

2011_07 NGSE110704

Analysis Information

Report Type	Protein-Peptide Summary by Spot	Analysis Type	Combined (MS+MS/MS)
Sample Set Name	NGSE110704	Database	NCBIInr
Analysis Name	Nebrafish_Top50	Creation Date	08/26/2011 13:07:53
Reported By	08/29/2011 11:15:22 - admin	Last Modified	08/26/2011 18:29:58
MS Acq. : Proc. Methods	(Unspecified) : (Unspecified)		
Interpretation Method	(Unspecified)		

Gel Idx/Pos	174/H1	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	pyruvate carboxylase, mitochondrial [Danio rerio]	gi 18858695	129801.9	6.44	21	295	100	219	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
877.4162	877.423	0.0068	8	388	395 GFQPDGTGR					Mascot
1064.5299	1064.5403	0.0104	10	720	727 YSLDYLYLK					Mascot
1100.6099	1100.6183	0.0084	8	140	149 FIGPSPEVVR					Mascot
1111.5854	1111.5952	0.0098	9	574	583 DAHQSLLATR					Mascot
1151.6418	1151.6522	0.0104	9	246	255 HIEVQILGDK					Mascot
1164.5796	1164.5923	0.0127	11	322	330 HYFIEVNSR					Mascot
1165.5823	1165.7551	0.1728	148	620	628 FLSECPWKR					Mascot
1263.6481	1263.6631	0.015	12	256	265 YGNVIHLIER	59	99.97			Mascot
1263.6692	1263.6631	-0.0061	-5	80	90 QKADEAYLIGR					Mascot
1275.6296	1275.6111	-0.0185	-15	369	379 IQINGCAIQCR			Carbamidomethyl (C)[6]		Mascot
1351.7004	1351.7147	0.0143	11	1076	1086 EVFFELNGQLR					Mascot
1474.6705	1474.6882	0.0177	12	845	857 GLYAPFDCTATMK			Carbamidomethyl (C)[8]		Mascot
1502.8069	1502.7963	-0.0106	-7	1132	1145 VEKGQPLCVLSAMK					Mascot
1518.8019	1518.7903	-0.0116	-8	1132	1145 VEKGQPLCVLSAMK			Oxidation (M)[13]		Mascot
1658.7665	1658.9414	0.1749	105	664	677 FCEVAKENGMDIFR					Mascot
1658.7665	1658.9414	0.1749	105	664	677 FCEVAKENGMDIFR	3	0			Mascot

2

	2545.3257	2545.3594	0.0337	13	331	352	LQVEHTVTEEITDVDLVH AQLR	161	100					Mascot
	2545.3257	2545.3594	0.0337	13	331	352	LQVEHTVTEEITDVDLVH AQLR							Mascot
	3364.5286	3364.6116	0.083	25	858	888	SGNADVYENEIPGGQYT NLHFQAHSMLGNK			Oxidation (M)[26]				Mascot
3	pyruvate carboxylase [Danio rerio]				gi 169153894			51981.8	7.64	12	272	100	219	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
877.4162	877.423	0.0068	8	388	395	GFQPD TGR						Mascot
1100.6099	1100.6183	0.0084	8	140	149	FIGPSPEVVR						Mascot
1151.6418	1151.6522	0.0104	9	246	255	HIEVQILGDK						Mascot
1164.5796	1164.5923	0.0127	11	322	330	HYFIEVNSR						Mascot
1263.6481	1263.6631	0.015	12	256	265	YGNVIHLYER	59	99.97				Mascot
1263.6692	1263.6631	-0.0061	-5	80	90	QKADEAYLIGR						Mascot
1275.6296	1275.6111	-0.0185	-15	369	379	IQINGCAIQCR				Carbamidomethyl (C)[6]		Mascot
1721.7911	1721.8103	0.0192	11	65	79	TVAVYSEQDTGQMHR						Mascot
1737.7861	1737.8036	0.0175	10	65	79	TVAVYSEQDTGQMHR				Oxidation (M)[13]		Mascot
1768.8751	1768.8936	0.0185	10	303	318	QVGYENAGTVEFLVDK						Mascot
1857.9381	1857.9545	0.0164	9	222	239	AYSEALAAFNGALFVEK						Mascot
1993.9396	1994.0005	0.0609	31	65	81	TVAVYSEQDTGQMHRQK				Oxidation (M)[13]		Mascot
2545.3257	2545.3594	0.0337	13	331	352	LQVEHTVTEEITDVDLVH AQLR	161	100				Mascot
2545.3257	2545.3594	0.0337	13	331	352	LQVEHTVTEEITDVDLVH AQLR						Mascot

4	novel protein similar to vertebrate vasodilator-stimulated phosphoprotein (VASP) [Danio rerio]				gi 169145929			44137.1	8.42	11	55	84.57		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
980.4465	980.4255	-0.021	-21	2	10	SESSICQAR						Mascot
1111.4871	1111.5952	0.1081	97	1	10	MSESSICQAR						Mascot
1501.791	1501.6599	-0.1311	-87	22	35	KWVPAGTGPQAFSR						Mascot
1501.791	1501.6599	-0.1311	-87	22	35	KWVPAGTGPQAFSR						Mascot
1502.8213	1502.7963	-0.025	-17	404	416	NEIIGAFIQELQK						Mascot
1561.7295	1561.8402	0.1107	71	72	83	YNQATPNFHQWR						Mascot
1658.9224	1658.9414	0.019	11	404	417	NEIIGAFIQELQKR						Mascot
1658.9224	1658.9414	0.019	11	404	417	NEIIGAFIQELQKR						Mascot

1859.9299	1859.9314	0.0015	1	69	83	GLKYNQATPNFHQWR					Mascot
1859.9718	1859.9314	-0.0404	-22	53	68	KMQTDQQVVINCPIVK			Oxidation (M)[2]		Mascot
2176.9849	2176.9849	0	0	2	21	SESSICQARATVMIYDDG SK			Oxidation (M)[13]		Mascot
2283.9705	2284.2034	0.2329	102	366	386	MKPVSQSAEAESEGES EMER			Oxidation (M)[1]		Mascot
2683.1868	2683.2405	0.0537	20	292	322	NSVSMPSGGGGGGGGG GGGGLMGEMSAILAR			Oxidation (M)[5,22,25]		Mascot

5 Zgc:110347 [Danio rerio] gi|62204405 21385.7 8.64 7 44 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
980.4465	980.4255	-0.021	-21	2	10	SESSICQAR					Mascot
1111.4871	1111.5952	0.1081	97	1	10	MSESSICQAR					Mascot
1501.791	1501.6599	-0.1311	-87	22	35	KWVPAGTGPQAFSR					Mascot
1501.791	1501.6599	-0.1311	-87	22	35	KWVPAGTGPQAFSR					Mascot
1561.7295	1561.8402	0.1107	71	72	83	YNQATPNFHQWR					Mascot
1859.9299	1859.9314	0.0015	1	69	83	GLKYNQATPNFHQWR					Mascot
1859.9718	1859.9314	-0.0404	-22	53	68	KMQTDQQVVINCPIVK			Oxidation (M)[2]		Mascot
2176.9849	2176.9849	0	0	2	21	SESSICQARATVMIYDDG SK			Oxidation (M)[13]		Mascot

6 vasodilator-stimulated phosphoprotein [Danio rerio] gi|237681322 46817.5 8.74 10 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
980.4465	980.4255	-0.021	-21	2	10	SESSICQAR					Mascot
1111.4871	1111.5952	0.1081	97	1	10	MSESSICQAR					Mascot
1501.791	1501.6599	-0.1311	-87	22	35	KWVPAGTGPQAFSR					Mascot
1501.791	1501.6599	-0.1311	-87	22	35	KWVPAGTGPQAFSR					Mascot
1502.8213	1502.7963	-0.025	-17	429	441	NEIIGAFIQELQK					Mascot
1561.7295	1561.8402	0.1107	71	72	83	YNQATPNFHQWR					Mascot
1658.9224	1658.9414	0.019	11	429	442	NEIIGAFIQELQKR					Mascot
1658.9224	1658.9414	0.019	11	429	442	NEIIGAFIQELQKR					Mascot
1859.9299	1859.9314	0.0015	1	69	83	GLKYNQATPNFHQWR					Mascot
1859.9718	1859.9314	-0.0404	-22	53	68	KMQTDQQVVINCPIVK			Oxidation (M)[2]		Mascot
2176.9849	2176.9849	0	0	2	21	SESSICQARATVMIYDDG SK			Oxidation (M)[13]		Mascot
2283.9705	2284.2034	0.2329	102	391	411	MKPVSQSAEAESEGES EMER			Oxidation (M)[1]		Mascot

7 novel NACHT domain containing protein [Danio rerio] gi|157886383 55615.1 5.32 10 42 0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
964.5284	964.4287	-0.0997	-103	410	417	VAFQQLMK					Mascot
980.5233	980.4255	-0.0978	-100	410	417	VAFQQLMK			Oxidation (M)[7]		Mascot
1077.5497	1077.5269	-0.0228	-21	398	406	LTDEDMLK					Mascot
1139.4819	1139.5138	0.0319	28	39	48	SSEPSCVSMR			Carbamidomethyl (C)[6]		Mascot
1280.5245	1280.6072	0.0827	65	3	13	SDPEPSCVSMR			Carbamidomethyl (C)[7], Oxidation (M)[10]		Mascot
1322.5504	1322.6648	0.1144	86	14	24	SDSMDQPMHFK					Mascot
1363.6094	1363.6885	0.0791	58	2	13	RSDPEPSCVSMR					Mascot
1363.6094	1363.6885	0.0791	58	2	13	RSDPEPSCVSMR					Mascot
1379.6042	1379.6506	0.0464	34	2	13	RSDPEPSCVSMR			Oxidation (M)[11]		Mascot
1483.725	1483.6519	-0.0731	-49	234	245	VLFIFDGLDECR			Carbamidomethyl (C)[11]		Mascot
2318.0791	2318.2329	0.1538	66	429	449	ECGIDVAEASVYGLCTQ IFR			Carbamidomethyl (C)[2]		Mascot
2661.2388	2661.2351	-0.0037	-1	49	72	SDDES VHQLPHVKGSDT ETDL SHK					Mascot
3364.7532	3364.6116	-0.1416	-42	361	389	MLSEAETA EIPKTLTQMY THFLILQTN IK					Mascot
8	GR [Danio rerio]				qil68132008	35860.4	9.13	11	42	0	

Peptide Information										Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification			
877.4083	877.423	0.0147	17	16	22 NDCIIDK			Carbamidomethyl (C)[3]	Mascot		
1045.5941	1045.5701	-0.024	-23	135	143 WAKALPGFR				Mascot		
1351.645	1351.7147	0.0697	52	302	313 SLSVEFPEMLAE				Mascot		
1352.6483	1352.7048	0.0565	42	35	46 KCLMAGMNLEAR			Oxidation (M)[4]	Mascot		
1352.6483	1352.7048	0.0565	42	36	47 CLMAGMNLEARK			Oxidation (M)[3]	Mascot		
1474.6855	1474.6882	0.0027	2	3	15 AVEGQHNYLCAGR			Carbamidomethyl (C)[10]	Mascot		
1658.7223	1658.9414	0.2191	132	194	206 LPYMSDQCEQMLK			Carbamidomethyl (C)[8], Oxidation (M)[4]	Mascot		
1658.7223	1658.9414	0.2191	132	194	206 LPYMSDQCEQMLK			Carbamidomethyl (C)[8], Oxidation (M)[4]	Mascot		
1860.8363	1860.9238	0.0875	47	192	206 MKLPYMSDQCEQMLK			Oxidation (M)[1]	Mascot		
2284.0979	2284.2034	0.1055	46	96	116 AIEPDTLYAGYDSTIPDTS VR				Mascot		
2362.1416	2362.1172	-0.0244	-10	207	225 ISNEFVRLQVSTEEYLCM K			Carbamidomethyl (C)[17], Oxidation (M)[18]	Mascot		
2683.1697	2683.2405	0.0708	26	170	191 SYQHCNGNMLCFAPDLV INEER			Carbamidomethyl (C)[5, 11], Oxidation (M)[9]	Mascot		
9	novel NACHT domain containing protein [Danio rerio]				gi 157886384	52335.5	5.14	10	42	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
964.5284	964.4287	-0.0997	-103	412	419	VAFQQLMK					Mascot
980.5233	980.4255	-0.0978	-100	412	419	VAFQQLMK			Oxidation (M)[7]		Mascot
1077.5497	1077.5269	-0.0228	-21	400	408	LTDEDMLK					Mascot
1151.4819	1151.6522	0.1703	148	42	51	EADPSCVSMR			Carbamidomethyl (C)[6]		Mascot
1423.6886	1423.7625	0.0739	52	52	63	SDTFMNQPINIK			Oxidation (M)[5]		Mascot
1483.725	1483.6519	-0.0731	-49	236	247	VLFIIDGLDECR			Carbamidomethyl (C)[11]		Mascot
1545.7842	1545.8455	0.0613	40	145	157	CRDIFTPLPGQNK			Carbamidomethyl (C)[1]		Mascot
1561.7275	1561.8402	0.1127	72	3	16	SEPEPSCVSIRSDR					Mascot
1658.7769	1658.9414	0.1645	99	26	39	SEDQTHLSTFHQK					Mascot
1658.7769	1658.9414	0.1645	99	26	39	SEDQTHLSTFHQK					Mascot
2318.0791	2318.2329	0.1538	66	431	451	ECGIDVAEASVYSGLCTQ IFR			Carbamidomethyl (C)[2]		Mascot
3364.7532	3364.6116	-0.1416	-42	363	391	MLSEAETAIEPKLTQTMY THFLILQTNIK					Mascot

10 PREDICTED: copine-4-like [Danio rerio] gi|189530019 62246.7 5.53 11 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.4819	996.6053	0.1234	124	66	74	SCINPTFSK					Mascot
1100.5345	1100.6183	0.0838	76	354	363	MFPAFGFGAR					Mascot
1139.5731	1139.5138	-0.0593	-52	172	180	SDPFLEIYR					Mascot
1363.6311	1363.6885	0.0574	42	417	428	VANFASEEMHTK					Mascot
1363.6311	1363.6885	0.0574	42	417	428	VANFASEEMHTK					Mascot
1379.626	1379.6506	0.0246	18	417	428	VANFASEEMHTK			Oxidation (M)[9]		Mascot
1483.6271	1483.6519	0.0248	17	541	553	CPSEFESSRTFGH					Mascot
1501.6852	1501.6599	-0.0253	-17	49	60	MQSHGQWLEVDR			Oxidation (M)[1]		Mascot
1501.6852	1501.6599	-0.0253	-17	49	60	MQSHGQWLEVDR			Oxidation (M)[1]		Mascot
1545.7729	1545.8455	0.0726	47	193	205	TETVMNNLNPNVWK					Mascot
1561.7679	1561.8402	0.0723	46	193	205	TETVMNNLNPNVWK			Oxidation (M)[5]		Mascot
1593.8417	1593.7393	-0.1024	-64	273	286	NYKNSGIVILNQCK					Mascot
1593.8417	1593.7393	-0.1024	-64	273	286	NYKNSGIVILNQCK					Mascot
1721.8315	1721.8103	-0.0212	-12	222	235	ILKCTVWDWDSNGK			Carbamidomethyl (C)[4]		Mascot
2225.0359	2225.1482	0.1123	50	104	123	EADCLGAMECTLGQIVS QRK			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot
2661.3149	2661.2351	-0.0798	-30	429	451	EAMQYFILLITDGVITDM ADTR			Oxidation (M)[3,19]		Mascot

11 PREDICTED: zinc finger protein 729-like [Danio rerio] gi|326665698 111881.8 9.22 19 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4791	882.575	0.0959	109	858	864	NLITHER					Mascot
1064.6034	1064.5403	-0.0631	-59	694	702	HMLIHTGKK					Mascot
1100.5847	1100.6183	0.0336	31	638	646	IHTGERPYK					Mascot
1111.5854	1111.5952	0.0098	9	715	724	LSSGLNDHLR					Mascot
1263.502	1263.6631	0.1611	128	365	373	EYVCFECEK			Carbamidomethyl (C)[4,7]		Mascot
1263.502	1263.6631	0.1611	128	365	373	EYVCFECEK			Carbamidomethyl (C)[4,7]		Mascot
1322.7063	1322.6648	-0.0415	-31	955	965	QVRFSQSETLK					Mascot
1352.5834	1352.7048	0.1214	90	703	714	AHTCDQCGKSFR					Mascot
1352.5834	1352.7048	0.1214	90	703	714	AHTCDQCGKSFR					Mascot
1379.5203	1379.6506	0.1303	94	16	27	DSENMSDPEPCR					Mascot
1501.787	1501.6599	-0.1271	-85	712	724	SFRLSSGLNDHLR					Mascot
1501.787	1501.6599	-0.1271	-85	712	724	SFRLSSGLNDHLR					Mascot
1502.709	1502.7963	0.0873	58	527	540	VHATEKPSCSVCVK			Carbamidomethyl (C)[9]		Mascot
1529.8435	1529.8517	0.0082	5	374	386	TFITSGELKLHQR					Mascot
1545.7227	1545.8455	0.1228	79	346	358	SFGRSSQHDHMK			Oxidation (M)[12]		Mascot
1658.886	1658.9414	0.0554	33	2	15	QEYSHQAQVKSLLK					Mascot
1658.886	1658.9414	0.0554	33	2	15	QEYSHQAQVKSLLK					Mascot
1737.8047	1737.8036	-0.0011	-1	554	568	IHTGVREYVCSECGK			Carbamidomethyl (C)[10]		Mascot
1751.8315	1751.8743	0.0428	24	315	330	CGKGFSQSSSLNLHMR					Mascot
1791.8629	1791.9619	0.099	55	303	317	IHTGEKPFCTRCGK			Carbamidomethyl (C)[10,13]		Mascot
1800.7437	1800.8799	0.1362	76	790	804	CSHCDMRFSWLGCQK					Mascot
1807.8279	1807.9532	0.1253	69	958	972	FSQSETLKNTQECHV			Carbamidomethyl (C)[13]		Mascot
1857.7651	1857.9545	0.1894	102	790	804	CSHCDMRFSWLGCQK			Carbamidomethyl (C)[1]		Mascot
2545.2727	2545.3594	0.0867	34	318	339	GFSQSSSLNLHMRIHTGE KPFR			Oxidation (M)[12]		Mascot
2545.2727	2545.3594	0.0867	34	318	339	GFSQSSSLNLHMRIHTGE KPFR			Oxidation (M)[12]		Mascot

12 PREDICTED: protein NLRC3 [Danio rerio] gi|189529139 76683.4 5.89 11 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
964.5284	964.4287	-0.0997	-103	431	438	VAFQQLMK					Mascot
980.5233	980.4255	-0.0978	-100	431	438	VAFQQLMK			Oxidation (M)[7]		Mascot

1077.5497	1077.5269	-0.0228	-21	419	427	LTDEDMLK						Mascot
1139.4819	1139.5138	0.0319	28	60	69	SSEPSCVSMR				Carbamidomethyl (C)[6]		Mascot
1280.5245	1280.6072	0.0827	65	24	34	SDPEPSCVSMR				Carbamidomethyl (C)[7], Oxidation (M)[10]		Mascot
1322.5504	1322.6648	0.1144	86	35	45	SDSMDQPMHFK						Mascot
1363.6094	1363.6885	0.0791	58	23	34	RSDPEPSCVSMR						Mascot
1363.6094	1363.6885	0.0791	58	23	34	RSDPEPSCVSMR						Mascot
1379.6042	1379.6506	0.0464	34	23	34	RSDPEPSCVSMR				Oxidation (M)[11]		Mascot
1483.725	1483.6519	-0.0731	-49	255	266	VLFIIDGLDECR				Carbamidomethyl (C)[11]		Mascot
1751.8599	1751.8743	0.0144	8	507	520	DEFEQINKQSLWSK						Mascot
2318.0791	2318.2329	0.1538	66	450	470	ECGIDVAEASVYSGLTQ IFR				Carbamidomethyl (C)[2]		Mascot
2661.2388	2661.2351	-0.0037	-1	70	93	SDDESVDHQLHVKGSDT ETDLSHK						Mascot
3364.7532	3364.6116	-0.1416	-42	382	410	MLSEAETAIEIPKTLTQMY THFLILQTNIK						Mascot

13 DBF4 homolog [Danio rerio] gi|205830371 69253.7 9.28 12 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.4731	1045.5701	0.097	93	16	25	LEGHNCASSK					Mascot
1165.6034	1165.7551	0.1517	130	78	87	YLVSCKEPAR					Mascot
1275.5166	1275.6111	0.0945	74	290	300	KGGYCECEVK			Carbamidomethyl (C)[5]		Mascot
1280.6304	1280.6072	-0.0232	-18	30	40	STCDLQNKPFK					Mascot
1483.8156	1483.6519	-0.1637	-110	583	595	SEKPPASLLDLWK					Mascot
1501.7897	1501.6599	-0.1298	-86	164	176	VLHVDDVISYVDK					Mascot
1501.7897	1501.6599	-0.1298	-86	164	176	VLHVDDVISYVDK					Mascot
1593.8092	1593.7393	-0.0699	-44	554	567	QKQVSASHIESSHR					Mascot
1593.8092	1593.7393	-0.0699	-44	554	567	QKQVSASHIESSHR					Mascot
1658.8245	1658.9414	0.1169	70	190	204	GAASIQHTEKNSYPR					Mascot
1658.8245	1658.9414	0.1169	70	190	204	GAASIQHTEKNSYPR	3		0		Mascot
1721.7332	1721.8103	0.0771	45	291	305	GGYCECEVKFENLK					Mascot
1791.8979	1791.9619	0.064	36	328	344	VTAGLTCDLVNISTPCK			Carbamidomethyl (C)[7]		Mascot
1859.012	1858.9478	-0.0642	-35	54	70	TQLLENDIKTLGGTVEK					Mascot
2224.989	2225.1482	0.1592	72	241	259	SFPPCSPFLMEEQGKDD PK			Carbamidomethyl (C)[5], Oxidation (M)[10]		Mascot

14 novel protein similar to vertebrate beta-1,4-N-acetyl-galactosaminyl transferase 3 (B4GALNT3) [Dani] gi|220672916 50299.9 5.53 9 37 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	964.4119	964.4287	0.0168	17	186	193 TDDWGSQR					Mascot
	1322.6368	1322.6648	0.028	21	366	377 SDLDRIGGMNTK			Oxidation (M)[9]		Mascot
	1474.8013	1474.6882	-0.1131	-77	146	157 IVNVEKKPDYNR					Mascot
	1545.7809	1545.8455	0.0646	42	276	287 YQYLRLSGNFER					Mascot
	1658.9587	1658.9414	-0.0173	-10	394	407 ILQGGLEVERLYLR					Mascot
	1658.9587	1658.9414	-0.0173	-10	394	407 ILQGGLEVERLYLR					Mascot
	1791.96	1791.9619	0.0019	1	158	173 GSRYLLELDLLEASGR					Mascot
	1857.9528	1857.9545	0.0017	1	94	108 LLDLHSMRSDWDLK			Oxidation (M)[7]		Mascot
	1859.8997	1859.9314	0.0317	17	230	243 WVKQFISDMEEIYR			Oxidation (M)[9]		Mascot
	1859.8997	1859.9314	0.0317	17	230	243 WVKQFISDMEEIYR			Oxidation (M)[9]		Mascot
	2661.2585	2661.2351	-0.0234	-9	27	49 WGHANEDRNGVEKPIQD NAMHVK			Oxidation (M)[20]		Mascot

15 novel protein similar to human and rodent member RAS gi|33468618 19809.1 6.58 6 37 0
 oncogene family RAB7 (RAB7) [Danio rerio]

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1064.5986	1064.5403	-0.0583	-55	39	48 ATIGVDFLTK					Mascot
	1363.7117	1363.6885	-0.0232	-17	165	176 TFHSVARAALQY					Mascot
	1363.7117	1363.6885	-0.0232	-17	165	176 TFHSVARAALQY					Mascot
	1859.0061	1858.9478	-0.0583	-31	33	48 FTNLYRATIGVDFLTK					Mascot
	2031.948	2032.0435	0.0955	47	140	157 AQKWCVDIGAIFYESSA K					Mascot
	2177.2078	2176.9849	-0.2229	-102	2	21 TEWNTPHLKLILIGNSGV GK					Mascot
	2683.2893	2683.2405	-0.0488	-18	81	104 GAHCCLLVFDVTSSVSFE ALDVWK			Carbamidomethyl (C)[4]		Mascot

16 PREDICTED: hypothetical protein LOC100537292 gi|326672395 272747.6 8.49 22 37 0
 [Danio rerio]

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1045.5889	1045.5701	-0.0188	-18	755	763 ILIQNETSK					Mascot
	1064.4751	1064.5403	0.0652	61	232	241 MSCPDAAELK					Mascot
	1100.6058	1100.6183	0.0125	11	2252	2260 KVENVEQVR					Mascot
	1139.5803	1139.5138	-0.0665	-58	1247	1256 HNIDADVLSR					Mascot
	1275.582	1275.6111	0.0291	23	477	488 CGEEGHIA TKCK					Mascot

1352.6298	1352.7048	0.075	55	391	402	SNIASSMMIENR							Mascot
1352.6567	1352.7048	0.0481	36	1082	1092	SFLGFCGFYRR							Mascot
1474.7471	1474.6882	-0.0589	-40	972	985	MPQGITGAPATFQR							Mascot
1501.8295	1501.6599	-0.1696	-113	1573	1586	TLLSMLGTLEPAQK							Mascot
1501.8295	1501.6599	-0.1696	-113	2046	2059	TLLSMLGTLEPAQK							Mascot
1593.7577	1593.7393	-0.0184	-12	1277	1290	AICQLSNLSWSDEK							Mascot
1593.7908	1593.7393	-0.0515	-32	824	837	NVFSTQEWDVGLAK							Mascot
1658.707	1658.9414	0.2344	141	199	211	LMISECECSEKEK					Carbamidomethyl (C)[6,8], Oxidation (M)[2]		Mascot
1658.707	1658.9414	0.2344	141	199	211	LMISECECSEKEK					Carbamidomethyl (C)[6,8], Oxidation (M)[2]		Mascot
1716.9564	1717.0227	0.0663	39	2046	2061	TLLSMLGTLEPAQKSK							Mascot
1721.8857	1721.8103	-0.0754	-44	823	837	KNVFSTQEWDVGLAK							Mascot
1751.8058	1751.8743	0.0685	39	1136	1149	WDNACEQAFQEIIK					Carbamidomethyl (C)[5]		Mascot
1808.0792	1807.9532	-0.126	-70	1390	1404	VQLVLPEKYHLTVLR							Mascot
1860.8981	1860.9238	0.0257	14	654	670	MTNGEGTNITRSAHSLR					Oxidation (M)[1]		Mascot
2016.0198	2016.0427	0.0229	11	1992	2008	FFVHYGLPSRIHSDQGR							Mascot
2225.0479	2225.1482	0.1003	45	1	18	MSFRSDPQLQSELLEWC R							Mascot
2233.168	2233.1099	-0.0581	-26	304	322	VEQLIRGAVESDMMLLQL R					Oxidation (M)[13,14]		Mascot
2283.2244	2283.2114	-0.013	-6	1199	1217	LSASEQRYHIHQLEFLAL K							Mascot
2379.1497	2379.3738	0.2241	94	913	934	TTPDQYVTPRIDDALDCL AGSK							Mascot
2379.1497	2379.3738	0.2241	94	913	934	TTPDQYVTPRIDDALDCL AGSK							Mascot
17	PREDICTED: protein NLRC3 [Danio rerio]			gi 326674410		79200.8	6.13	11	36	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
964.5284	964.4287	-0.0997	-103	428	435	VAFQQLMK					Mascot	
980.5233	980.4255	-0.0978	-100	428	435	VAFQQLMK			Oxidation (M)[7]		Mascot	
1077.5497	1077.5269	-0.0228	-21	416	424	LTDEDMLK					Mascot	
1151.4819	1151.6522	0.1703	148	58	67	EADPSCVSMR			Carbamidomethyl (C)[6]		Mascot	
1423.6886	1423.7625	0.0739	52	68	79	SDTFMNQPINIK			Oxidation (M)[5]		Mascot	
1483.725	1483.6519	-0.0731	-49	252	263	VLFIFDGLDECR			Carbamidomethyl (C)[11]		Mascot	
1545.7842	1545.8455	0.0613	40	161	173	CRDIFTPLPGQNK			Carbamidomethyl (C)[1]		Mascot	
1561.7275	1561.8402	0.1127	72	19	32	SEPEPSCVSIRSDR					Mascot	
1658.7769	1658.9414	0.1645	99	42	55	SEDQTHLSTFHQK					Mascot	
1658.7769	1658.9414	0.1645	99	42	55	SEDQTHLSTFHQK					Mascot	

	2211.0459	2211.1294	0.0835	38	11	29	VDSVHQERSEPEPSCVSI R		Carbamidomethyl (C)[15]	Mascot	
	2211.0459	2211.1294	0.0835	38	11	29	VDSVHQERSEPEPSCVSI R		Carbamidomethyl (C)[15]	Mascot	
	2318.0791	2318.2329	0.1538	66	447	467	ECGIDVAEASVYGLCTQ IFR		Carbamidomethyl (C)[2]	Mascot	
	3364.7532	3364.6116	-0.1416	-42	379	407	MLSEAETAIEPKTLTQMY THFLILQTNIK			Mascot	
18	annexin A1b [Danio rerio]				gi 32308159		37416.3	6.11	8	36	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5061	1045.5701	0.064	61	201	209	ALYEAGEHR					Mascot
1064.5404	1064.5403	-0.0001	0	141	149	TNNEIKAMK			Oxidation (M)[8]		Mascot
1275.5979	1275.6111	0.0132	10	1	10	MAFFNSFFHK					Mascot
1483.8478	1483.6519	-0.1959	-132	55	68	GVDEAAIIEVLAKR					Mascot
1751.9075	1751.8743	-0.0332	-19	34	49	FSQAFNAQNDAAVLKK					Mascot
1860.8915	1860.9238	0.0323	17	2	17	AFFNSFFHKISEDGSK					Mascot
2177.127	2176.9849	-0.1421	-65	247	265	ALESELHGHLEDCLLTIVK			Carbamidomethyl (C)[13]		Mascot
2545.2273	2545.3594	0.1321	52	307	328	IMQEYSTMQGQSLQAAI QKETK			Oxidation (M)[2,8]		Mascot
2545.2273	2545.3594	0.1321	52	307	328	IMQEYSTMQGQSLQAAI QKETK			Oxidation (M)[2,8]		Mascot

19	glucocorticoid receptor [Danio rerio]				gi 99028943		81868.7	6.07	13	36	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
877.4083	877.423	0.0147	17	427	433	NDCIIDK			Carbamidomethyl (C)[3]		Mascot
980.5047	980.4255	-0.0792	-81	16	23	LNTLDYNK					Mascot
1045.5941	1045.5701	-0.024	-23	546	554	WAKALPGFR					Mascot
1064.4677	1064.5403	0.0726	68	1	10	MDQGGLENGK			Oxidation (M)[1]		Mascot
1352.6483	1352.7048	0.0565	42	446	457	KCLMAGMNLEAR			Oxidation (M)[4]		Mascot
1352.6483	1352.7048	0.0565	42	447	458	CLMAGMNLEARK			Oxidation (M)[3]		Mascot
1474.6855	1474.6882	0.0027	2	414	426	AVEGQHNYLCAGR			Carbamidomethyl (C)[10]		Mascot
1658.7223	1658.9414	0.2191	132	605	617	LPYMSDQCEQMLK			Carbamidomethyl (C)[8], Oxidation (M)[4]		Mascot
1658.7223	1658.9414	0.2191	132	605	617	LPYMSDQCEQMLK			Carbamidomethyl (C)[8], Oxidation (M)[4]		Mascot
1860.8363	1860.9238	0.0875	47	603	617	MKLPYMSDQCEQMLK			Oxidation (M)[1]		Mascot
2233.0002	2233.1099	0.1097	49	359	380	NFSSSPYSRPEDSTATSS AGGK					Mascot
2284.0979	2284.2034	0.1055	46	507	527	AIEPDTLYAGYDSTIPDTS VR					Mascot

	2362.1416	2362.1172	-0.0244	-10	618	636	ISNEFVRLQVSTEEYLCMK						Carbamidomethyl (C)[17], Oxidation (M)[18]	Mascot
	2683.2014	2683.2405	0.0391	15	144	167	TEDFSPMIKGDMDLDQDSFGHIGK							Mascot
20	SHC-transforming protein 2 [Danio rerio]				gi 113678838		56008	7.05	10	35	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
877.4811	877.423	-0.0581	-66	96	103	TLQSIMGK					Mascot
1111.5742	1111.5952	0.021	19	247	257	EPPVGGVDSR					Mascot
1352.728	1352.7048	-0.0232	-17	391	402	RAPVAPTEDQLR					Mascot
1352.728	1352.7048	-0.0232	-17	392	403	APVAPTEDQLRR					Mascot
1363.7362	1363.6885	-0.0477	-35	96	107	TLQSIMGKSNLR			Oxidation (M)[6]		Mascot
1363.7362	1363.6885	-0.0477	-35	96	107	TLQSIMGKSNLR			Oxidation (M)[6]		Mascot
1502.7164	1502.7963	0.0799	53	48	59	YMGCIENVLKSMR			Carbamidomethyl (C)[4], Oxidation (M)[2]		Mascot
1518.7113	1518.7903	0.079	52	48	59	YMGCIENVLKSMR			Carbamidomethyl (C)[4], Oxidation (M)[2, 11]		Mascot
1529.774	1529.8517	0.0777	51	72	85	EAINRLCESVPGGK			Carbamidomethyl (C)[7]		Mascot
1768.8687	1768.8936	0.0249	14	357	370	KDIFDMRPFEDALR			Oxidation (M)[6]		Mascot
2177.0808	2176.9849	-0.0959	-44	371	389	LHEASGVCVLEDKWPSPPR			Carbamidomethyl (C)[8]		Mascot
2284.1501	2284.2034	0.0533	23	203	222	AIPAMDSHAEPNILSRNIR			Oxidation (M)[5]		Mascot

21	glucocorticoid receptor beta [Danio rerio]				gi 151177061		80782	6.02	13	34	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
877.4083	877.423	0.0147	17	427	433	NDCIIDK			Carbamidomethyl (C)[3]		Mascot
980.5047	980.4255	-0.0792	-81	16	23	LNTLDYNK					Mascot
1045.5941	1045.5701	-0.024	-23	546	554	WAKALPGFR					Mascot
1064.4677	1064.5403	0.0726	68	1	10	MDQGGLENGK			Oxidation (M)[1]		Mascot
1352.6483	1352.7048	0.0565	42	446	457	KCLMAGMNLEAR			Oxidation (M)[4]		Mascot
1352.6483	1352.7048	0.0565	42	447	458	CLMAGMNLEARK			Oxidation (M)[3]		Mascot
1474.6855	1474.6882	0.0027	2	414	426	AVEGQHNYLCAGR			Carbamidomethyl (C)[10]		Mascot
1658.7223	1658.9414	0.2191	132	605	617	LPYMSDQCEQMLK			Carbamidomethyl (C)[8], Oxidation (M)[4]		Mascot
1658.7223	1658.9414	0.2191	132	605	617	LPYMSDQCEQMLK			Carbamidomethyl (C)[8], Oxidation (M)[4]		Mascot
1860.8363	1860.9238	0.0875	47	603	617	MKLPYMSDQCEQMLK			Oxidation (M)[1]		Mascot
2233.0002	2233.1099	0.1097	49	359	380	NFSSSPYSRPEDSTATSSAGGK					Mascot
2284.0979	2284.2034	0.1055	46	507	527	AIEPDTLYAGYDSTIPDTSVR					Mascot

		2362.1416	2362.1172	-0.0244	-10	618	636	ISNEFVRLQVSTEEYLCMK				Carbamidomethyl (C)[17], Oxidation (M)[18]	Mascot
		2683.2014	2683.2405	0.0391	15	144	167	TEDFSPMIKGDMDLDQDSFGHIGK					Mascot
22	finTRIM family protein [Danio rerio]						gi 208019329	6388.3	6.95	4	34	0	
Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
		1502.8247	1502.7963	-0.0284	-19	5	17	NTMLAEVVQLKK					Mascot
		1518.8196	1518.7903	-0.0293	-19	5	17	NTMLAEVVQLKK				Oxidation (M)[3]	Mascot
		1800.9888	1800.8799	-0.1089	-60	1	16	ALNKNTMLAEVVQLK					Mascot
		1859.012	1858.9478	-0.0642	-35	43	60	QSPQVLSGVSELLSKSS					Mascot
		2210.9441	2211.1294	0.1853	84	20	40	HHTAAVPAGDGDVECDVCTEK				Carbamidomethyl (C)[15]	Mascot
		2210.9441	2211.1294	0.1853	84	20	40	HHTAAVPAGDGDVECDVCTEK				Carbamidomethyl (C)[15]	Mascot
23	Nop56 protein [Danio rerio]						gi 34784843	52829.9	9.07	9	34	0	
Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
		964.5574	964.4287	-0.1287	-133	369	376	ISRYLANK					Mascot
		980.5676	980.4255	-0.1421	-145	128	135	LHFHSLVK					Mascot
		1045.571	1045.5701	-0.0009	-1	91	100	KPMLGVSDAK					Mascot
		1275.6943	1275.6111	-0.0832	-65	78	89	LFLETNLPSGGK					Mascot
		1751.9591	1751.8743	-0.0848	-48	349	364	YGLIFHSTFIGRAAAK					Mascot
		1808.0177	1807.9532	-0.0645	-36	128	144	LHFHSLVKGLTAQAASK					Mascot
		2016.0621	2016.0427	-0.0194	-10	136	155	GLTAQAASKAQLGLGHSYSR					Mascot
		2211.2358	2211.1294	-0.1064	-48	1	20	MVLLHVLFEHAAGYALLAVK				Oxidation (M)[1]	Mascot
		2211.2358	2211.1294	-0.1064	-48	1	20	MVLLHVLFEHAAGYALLAVK				Oxidation (M)[1]	Mascot
		2362.0347	2362.1172	0.0825	35	222	241	KELSEEMLEAMEEITMDSAK				Oxidation (M)[7,11,16]	Mascot
24	hypothetical protein LOC494576 [Danio rerio]						gi 61806526	23120.7	8.19	6	33	0	
Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
		1064.5986	1064.5403	-0.0583	-55	39	48	ATIGVDFTLK					Mascot
		1545.7656	1545.8455	0.0799	52	157	170	EDIGVDKTFHSAAR					Mascot
		1859.0061	1858.9478	-0.0583	-31	33	48	FTNLYRATIGVDFTLK					Mascot

	2031.948	2032.0435	0.0955	47	139	156	AQKWCVDIGAIFYESSA K							Mascot
	2177.2078	2176.9849	-0.2229	-102	2	21	TEWNTPHLKLILIGNSGV GK							Mascot
	2683.2893	2683.2405	-0.0488	-18	80	103	GAHCCLLVFDVTSSVSFE ALDVWK				Carbamidomethyl (C)[4]			Mascot
25	novel protein similar to BCL2-related ovarian killer (bok, gi 169154887 zgc:64041) [Danio rerio]						24238.7	7.71	7	33	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5134	842.5162	0.0028	3	164	170	SLVPWLK					Mascot
980.4288	980.4255	-0.0033	-3	181	188	CVVNMDSR			Carbamidomethyl (C)[1]		Mascot
1139.5449	1139.5138	-0.0311	-27	1	9	MRDMNVFAR					Mascot
1275.6262	1275.6111	-0.0151	-12	36	45	ELCRDFIHSR					Mascot
1351.7039	1351.7147	0.0108	8	29	39	ELVFQSKELCR					Mascot
1791.8881	1791.9619	0.0738	41	173	188	GGWVDILKCVVNMDSR					Mascot
1800.8407	1800.8799	0.0392	22	77	90	LGDELECMRPYVYR			Carbamidomethyl (C)[7]		Mascot
1807.8829	1807.9532	0.0703	39	173	188	GGWVDILKCVVNMDSR			Oxidation (M)[13]		Mascot

26	nucleolar protein 56 [Danio rerio]						gi 41054986	54124.7	9.27	9	33	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
964.5574	964.4287	-0.1287	-133	369	376	ISRYLANK					Mascot
980.5676	980.4255	-0.1421	-145	128	135	LHFHSLVK					Mascot
1045.571	1045.5701	-0.0009	-1	91	100	KPMLGVSDAK					Mascot
1275.6943	1275.6111	-0.0832	-65	78	89	LFLETNLPSSGK					Mascot
1751.9591	1751.8743	-0.0848	-48	349	364	YGLIFHSTFIGRAAAK					Mascot
1808.0177	1807.9532	-0.0645	-36	128	144	LHFHSLVKGLTAQAASK					Mascot
2016.0621	2016.0427	-0.0194	-10	136	155	GLTAQAASKAQLGLGHS YSR					Mascot
2211.2358	2211.1294	-0.1064	-48	1	20	MVLLHVLFEHAAGYALLA VK			Oxidation (M)[1]		Mascot
2211.2358	2211.1294	-0.1064	-48	1	20	MVLLHVLFEHAAGYALLA VK			Oxidation (M)[1]		Mascot
2362.0347	2362.1172	0.0825	35	222	241	KELSEEMLEAMEEITMDS AK			Oxidation (M)[7,11,16]		Mascot

27	pyruvate carboxylase, like [Danio rerio]						gi 83415094	24854.1	9.35	7	33	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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Seq.				Seq.		Score				
1100.6099	1100.6183	0.0084	8	140	149	FIGPTPDVVR			Mascot	
1322.6157	1322.6648	0.0491	37	127	139	ADFAQACVDAGVR			Mascot	
1379.6372	1379.6506	0.0134	10	127	139	ADFAQACVDAGVR		Carbamidomethyl (C)[7]	Mascot	
1717.0046	1717.0227	0.0181	11	91	106	GLPPVAAYLHIPDIIK			Mascot	
1721.7911	1721.8103	0.0192	11	65	79	TVAVYSEQDTGQMHR			Mascot	
1737.7861	1737.8036	0.0175	10	65	79	TVAVYSEQDTGQMHR		Oxidation (M)[13]	Mascot	
1792.0374	1791.9619	-0.0755	-42	2	18	LLQVGGRHSALGLLAMR			Mascot	
1808.0322	1807.9532	-0.079	-44	2	18	LLQVGGRHSALGLLAMR		Oxidation (M)[16]	Mascot	
1860.8875	1860.9238	0.0363	20	110	126	ANDVDAIHPGYGFLSER			Mascot	
1993.9396	1994.0005	0.0609	31	65	81	TVAVYSEQDTGQMHRQK		Oxidation (M)[13]	Mascot	
28	keratin-like [Danio rerio]			gi 41055898		44743.4	4.87	8	33	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1064.5623	1064.5403	-0.022	-21	390	398	KLLDGEDFK					Mascot
1423.6482	1423.7625	0.1143	80	334	345	NTEIRSNNGEMEK			Oxidation (M)[10]		Mascot
1474.5607	1474.6882	0.1275	86	250	261	GQDMSQVMEDMR			Oxidation (M)[4,8,11]		Mascot
1483.7322	1483.6519	-0.0803	-54	36	49	ISSASAMSYRSAPR					Mascot
1858.0181	1857.9545	-0.0636	-34	158	173	LVLQIDNARLAVDDFR					Mascot
2031.8569	2032.0435	0.1866	92	250	266	GQDMSQVMEDMRANYE K					Mascot
2211.0784	2211.1294	0.051	23	362	380	ANITEQQQEYEALLNMK MK					Mascot
2211.0784	2211.1294	0.051	23	362	380	ANITEQQQEYEALLNMK MK					Mascot
2545.1504	2545.3594	0.209	82	61	89	VSSAGMGSGAGGSLLAS SGSSGMLGNEK			Oxidation (M)[6,24]		Mascot
2545.1504	2545.3594	0.209	82	61	89	VSSAGMGSGAGGSLLAS SGSSGMLGNEK			Oxidation (M)[6,24]		Mascot

29 Zgc:109744 [Danio rerio] gi|71534073 88043.4 5.85 11 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.6041	1045.5701	-0.034	-33	489	497	IPSSLPIYR					Mascot
1064.5121	1064.5403	0.0282	26	582	589	YIFCLYDK					Mascot
1151.5361	1151.6522	0.1161	101	590	599	LLECSQDTSR					Mascot
1164.5314	1164.5923	0.0609	52	707	717	AVNQTEGCASK			Carbamidomethyl (C)[8]		Mascot

	1351.6488	1351.7147	0.0659	49	629	640	DNADNQYGTLLK										Mascot
	1363.7303	1363.6885	-0.0418	-31	478	487	RLWLAFCLE	1	0	Carbamidomethyl (C)[7]							Mascot
	1363.7303	1363.6885	-0.0418	-31	478	487	RLWLAFCLE			Carbamidomethyl (C)[7]							Mascot
	1751.8282	1751.8743	0.0461	26	287	300	HEPMQHEPKQHEPK										Mascot
	1857.9891	1857.9545	-0.0346	-19	362	377	VVSLDLLQNHFNAMLK			Oxidation (M)[14]							Mascot
	2016.0073	2016.0427	0.0354	18	62	77	EEQDVSWVDLIQWLQK										Mascot
	2318.0249	2318.2329	0.208	90	458	477	YINMASEMLCPSDVTNP NYR										Mascot
	3364.6729	3364.6116	-0.0613	-18	330	361	TDTGDNVTLLDIAVLSWQ KMAGIYGGPNEAAK			Oxidation (M)[20]							Mascot
30	hypothetical protein LOC550535 [Danio rerio]				gi 62955647		31091	4.83	7	33	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1280.6229	1280.6072	-0.0157	-12	75	84	DEVIYERNR					Mascot
1316.594	1316.6786	0.0846	64	65	74	NELECAVYYR			Carbamidomethyl (C)[5]		Mascot
1322.6812	1322.6648	-0.0164	-12	82	93	NSRFGVEGTLSR					Mascot
1352.6627	1352.7048	0.0421	31	136	147	CDFLLDASQGKR					Mascot
1352.6627	1352.7048	0.0421	31	136	147	CDFLLDASQGKR					Mascot
1518.6616	1518.7903	0.1287	85	184	196	NSECFAAWCRFGK					Mascot
1737.8475	1737.8036	-0.0439	-25	132	146	NEIKCDFLLDASQGK			Carbamidomethyl (C)[5]		Mascot
1859.9531	1859.9314	-0.0217	-12	159	176	ALSSDAVVQNAMEQVGL K					Mascot
1859.9531	1859.9314	-0.0217	-12	159	176	ALSSDAVVQNAMEQVGL K					Mascot

31 PREDICTED: vacuolar protein sorting-associated protein 41 homolog [Danio rerio]

gi|125853163 99028.4 5.84 14 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
877.5141	877.423	-0.0911	-104	527	533	ALEIYLR					Mascot
996.4744	996.6053	0.1309	131	409	417	GDYDTAARK					Mascot
1045.5272	1045.5701	0.0429	41	2	10	AEVEEQGRK					Mascot
1064.4677	1064.5403	0.0726	68	1	9	MAVEEQGR			Oxidation (M)[1]		Mascot
1095.4636	1095.5372	0.0736	67	326	333	NFQENQCR			Carbamidomethyl (C)[7]		Mascot
1280.7109	1280.6072	-0.1037	-81	536	545	HKDVYQLIHK					Mascot
1316.6263	1316.6786	0.0523	40	247	257	DPTEMRDLP					Mascot
1352.713	1352.7048	-0.0082	-6	554	564	DKIVLLMDFDK			Oxidation (M)[7]		Mascot
1352.713	1352.7048	-0.0082	-6	554	564	DKIVLLMDFDK			Oxidation (M)[7]		Mascot

1474.8264	1474.6882	-0.1382	-94	67	79	VFLLDIQGNVTQK	Mascot
1501.7242	1501.6599	-0.0643	-43	375	387	YEEALMAAEISFK	Mascot
1501.7242	1501.6599	-0.0643	-43	375	387	YEEALMAAEISFK	Mascot
1529.655	1529.8517	0.1967	129	326	336	NFQENQCRDYR	Mascot
1751.9949	1751.8743	-0.1206	-69	763	777	ILVADSLSLLQRMHR	Mascot
1859.0248	1858.9478	-0.077	-41	456	470	LRPAIYEMILHDFLK	Mascot
2283.1292	2283.2114	0.0822	36	334	352	DYRLEHSEGESLFYIISPK	Mascot

Peptide Information

33	Wu:fa07b03 protein [Danio rerio]	gi 112419196	32306.1	8.35	7	33	0
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
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1139.6418	1139.5138	-0.128	-112	108	118	TGAHIELSLAK						Mascot
1151.5878	1151.6522	0.0644	56	220	228	AVERLCFEK				Carbamidomethyl (C)[6]		Mascot
1164.5929	1164.5923	-0.0006	-1	119	129	DQGLSIMVTGK				Oxidation (M)[7]		Mascot
1363.6906	1363.6885	-0.0021	-2	229	240	AFHPFIAGAYNR						Mascot
1363.6906	1363.6885	-0.0021	-2	229	240	AFHPFIAGAYNR						Mascot
1501.7605	1501.6599	-0.1006	-67	186	199	SDDPNANIRITGTK						Mascot
1501.7605	1501.6599	-0.1006	-67	186	199	SDDPNANIRITGTK						Mascot
1791.8694	1791.9619	0.0925	52	1	16	MSSVAVLTQESFAEHR						Mascot
1807.8643	1807.9532	0.0889	49	1	16	MSSVAVLTQESFAEHR				Oxidation (M)[1]		Mascot
2177.1018	2176.9849	-0.1169	-54	1	20	MSSVAVLTQESFAEHRS GLK						Mascot

34 intraflagellar transport protein 172 homolog [Danio rerio] gi|50539690 197598.9 5.6 19 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
877.46	877.423	-0.037	-42	782	789	AAWLAMSK					Mascot
882.4501	882.575	0.1249	142	828	834	ALECYRK					Mascot
1064.5483	1064.5403	-0.008	-8	815	823	AGDLFERTR					Mascot
1095.5867	1095.5372	-0.0495	-45	1291	1299	AVDCYLKVK			Carbamidomethyl (C)[4]		Mascot
1139.4899	1139.5138	0.0239	21	1489	1497	DRDCAEAFR			Carbamidomethyl (C)[4]		Mascot
1165.6034	1165.7551	0.1517	130	1480	1488	MFQELVNLR			Oxidation (M)[1]		Mascot
1263.6588	1263.6631	0.0043	3	1310	1320	CWMKAAELAİK					Mascot
1263.6588	1263.6631	0.0043	3	1310	1320	CWMKAAELAİK					Mascot
1275.6692	1275.6111	-0.0581	-46	51	61	DRFTTKPADPK					Mascot
1351.7368	1351.7147	-0.0221	-16	1215	1225	EFQKAEALLR					Mascot
1352.7208	1352.7048	-0.016	-12	53	64	FTTKPADPKYK					Mascot
1352.7208	1352.7048	-0.016	-12	53	64	FTTKPADPKYK					Mascot
1363.6675	1363.6885	0.021	15	1643	1653	EWVLTVSMDQR					Mascot
1363.6675	1363.6885	0.021	15	1643	1653	EWVLTVSMDQR					Mascot
1379.6624	1379.6506	-0.0118	-9	1643	1653	EWVLTVSMDQR			Oxidation (M)[8]		Mascot
1474.8086	1474.6882	-0.1204	-82	1679	1691	SLPCVITGYPVLR			Carbamidomethyl (C)[4]		Mascot
1502.7169	1502.7963	0.0794	53	1698	1710	RPGMAANKDDWNK					Mascot
1518.7118	1518.7903	0.0785	52	1698	1710	RPGMAANKDDWNK			Oxidation (M)[4]		Mascot
1529.6545	1529.8517	0.1972	129	1238	1250	DAGMWTAMDARICK			Oxidation (M)[4,9]		Mascot
1658.9159	1658.9414	0.0255	15	1168	1182	AGKPKEAVLMHVHNK					Mascot
1658.9159	1658.9414	0.0255	15	1168	1182	AGKPKEAVLMHVHNK					Mascot

	1716.9465	1717.0227	0.0762	44	1679	1693	SLPCVITGYPVLRNK		Carbamidomethyl (C)[4]	Mascot	
	2211.0508	2211.1294	0.0786	36	19	38	VTCTMAWAPNNAKFAVCT IDR			Mascot	
	2211.0508	2211.1294	0.0786	36	19	38	VTCTMAWAPNNAKFAVCT IDR			Mascot	
	2284.0671	2284.2034	0.1363	60	19	38	VTCTMAWAPNNAKFAVCT IDR		Carbamidomethyl (C)[3], Oxidation (M)[4]	Mascot	
	2318.0396	2318.2329	0.1933	83	297	318	DGSRLSVGTLCGGVEMF DCCLR			Mascot	
	2683.3008	2683.2405	-0.0603	-22	520	543	STMLSFCPPYVQWVPGSD VVVAQNR			Mascot	
35	hypothetical protein LOC569975 [Danio rerio]				gi 71834622		27594.2	6.28	8	32	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
877.3897	877.423	0.0333	38	15	21	EESEEV					Mascot
1322.5656	1322.6648	0.0992	75	84	93	GFFFSCLER			Carbamidomethyl (C)[6,9]		Mascot
1474.7914	1474.6882	-0.1032	-70	138	148	EHLLEHYRIHK					Mascot
1483.6052	1483.6519	0.0467	31	211	221	CDQCERSYTHK			Carbamidomethyl (C)[1,4]		Mascot
1800.8771	1800.8799	0.0028	2	146	160	IHKVEKPFCEECGK			Carbamidomethyl (C)[10]		Mascot
1807.8254	1807.9532	0.1278	71	94	107	MSFESKEHLMHF					Mascot
1857.8986	1857.9545	0.0559	30	146	160	IHKVEKPFCEECGK			Carbamidomethyl (C)[10,13]		Mascot
1860.8732	1860.9238	0.0506	27	202	216	IHELDKPFKCDQCER					Mascot
2031.8761	2032.0435	0.1674	82	84	99	GFFFSCLERMSFESK			Carbamidomethyl (C)[6,9]		Mascot

36	PREDICTED: e3 ubiquitin-protein ligase BRE1A [Danio rerio]				gi 189527718		115551	5.66	16	32	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.5162	-0.0044	-5	61	67	ALQIKNR					Mascot
980.4795	980.4255	-0.054	-55	910	917	EKESFNAR					Mascot
1045.5823	1045.5701	-0.0122	-12	786	793	LMQQLREK					Mascot
1151.5474	1151.6522	0.1048	91	189	198	VESSCKQASR			Carbamidomethyl (C)[5]		Mascot
1280.5908	1280.6072	0.0164	13	958	968	LTCPCCN			Carbamidomethyl (C)[3]		Mascot
1322.7137	1322.6648	-0.0489	-37	682	692	LLDLMYRSAPK			Oxidation (M)[5]		Mascot
1379.5909	1379.6506	0.0597	43	998	1009	CNAAFGANDFHR			Carbamidomethyl (C)[1]		Mascot
1502.7996	1502.7963	-0.0033	-2	859	871	ELGLRTQALEM					Mascot
1518.7944	1518.7903	-0.0041	-3	859	871	ELGLRTQALEM			Oxidation (M)[11]		Mascot
1638.7826	1638.8779	0.0953	58	317	332	VCGEASSVCGTITINK			Carbamidomethyl (C)[2]		Mascot

	1658.8846	1658.9414	0.0568	34	816	829	EEKEELADQLLTLK					Mascot
	1658.8846	1658.9414	0.0568	34	816	829	EEKEELADQLLTLK					Mascot
	1716.8551	1717.0227	0.1676	98	216	231	DLESGKDGGGLWDVAVR					Mascot
	1721.9293	1721.8103	-0.119	-69	296	309	ENRLNTHLVEVLER					Mascot
	1737.8622	1737.8036	-0.0586	-34	317	333	VCGEASSVCGTITINKR					Mascot
	1768.9188	1768.8936	-0.0252	-14	6	23	RPSDAGSSATLGAPPEK K					Mascot
	1857.876	1857.9545	0.0785	42	429	443	QLDHMENDEVSLQRK		Oxidation (M)[5]			Mascot
	1858.7871	1858.9478	0.1607	86	122	138	CDQSGSEPVESQPPEGR		Carbamidomethyl (C)[1]			Mascot
37	phosphatidylinositol 4-kinase alpha [Danio rerio]				gi 77993310	232707.4	6.2	20	32	0	5	0

	2283.0857	2283.2114	0.1257	55	500	518	AR SQPSMYEQLRDISINNIR					Oxidation (M)[5]	Mascot
38	novel protein similar to vertebrate (PIWIL2) [Danio rerio]					gi 123232882	22624.7	6.37	6	32	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1379.7893	1379.6506	-0.1387	-101	115	128	GAAIGPVPTLDIQK					Mascot
1423.7614	1423.7625	0.0011	1	40	52	GLIMPIDEPLPGR			Oxidation (M)[4]		Mascot
1483.7825	1483.6519	-0.1306	-88	135	148	MPELQAEVAPTVAK					Mascot
1518.7184	1518.7903	0.0719	47	186	198	DLRDQADDQPFAK					Mascot
1800.8334	1800.8799	0.0465	26	199	214	DGVQQAIWGQICSQNP			Carbamidomethyl (C)[12]		Mascot
2233.1646	2233.1099	-0.0547	-24	149	171	VGSPGTGSSLVSMFRGL GIEPGK					Mascot

39	PREDICTED: ephrin type-B receptor 1 [Danio rerio]					gi 326665193	107747.2	6.03	12	32	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
877.4236	877.423	-0.0006	-1	247	254	ACPPGTFK			Carbamidomethyl (C)[2]		Mascot
996.5359	996.6053	0.0694	70	630	638	TLKAGYSEK					Mascot
1151.6895	1151.6522	-0.0373	-32	932	942	IGVTLAGHQKK					Mascot
1165.61	1165.7551	0.1451	124	849	858	FTDIVNTLDK					Mascot
1280.6416	1280.6072	-0.0344	-27	69	79	FTVRDCSSIPR					Mascot
1518.7482	1518.7903	0.0421	28	557	570	LQHYSTGRGSPGMK					Mascot
1658.9012	1658.9414	0.0402	24	764	777	IPVRWTSPEAIAYR					Mascot
1658.9012	1658.9414	0.0402	24	764	777	IPVRWTSPEAIAYR	3	0			Mascot
1721.8826	1721.8103	-0.0723	-42	471	485	VDGLRPGTMYVMQVR					Mascot
1737.8774	1737.8036	-0.0738	-42	471	485	VDGLRPGTMYVMQVR			Oxidation (M)[9]		Mascot
1859.7898	1859.9314	0.1416	76	288	305	ADGEQPDMPCTSVPSGP R			Oxidation (M)[8]		Mascot
1859.7898	1859.9314	0.1416	76	288	305	ADGEQPDMPCTSVPSGP R			Oxidation (M)[8]		Mascot
2232.918	2233.1099	0.1919	86	216	234	LYCNGDGDWMVPIGSCT CK			Carbamidomethyl (C)[3,16,18]		Mascot
2318.3079	2318.2329	-0.075	-32	862	883	NPTSLKAVASIPTIPSQPL LDR					Mascot
2362.1609	2362.1172	-0.0437	-19	641	660	RDFLSEASIMGQFDHPNII R			Oxidation (M)[10]		Mascot

40	RAB39B, member RAS oncogene family [Danio rerio]					gi 148922827	24462.5	6.54	6	32	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1316.6593	1316.6786	0.0193	15	60	70	LQIWDTAGQER					Mascot
1518.8274	1518.7903	-0.0371	-24	81	94	NSVGGLLLFDITNR					Mascot
1658.8319	1658.9414	0.1095	66	141	155	LAAAYGMRYVETSAR					Mascot
1658.8319	1658.9414	0.1095	66	141	155	LAAAYGMRYVETSAR					Mascot
1800.8776	1800.8799	0.0023	1	95	108	RSFQNVHEWLEEAR					Mascot
2362.1462	2362.1172	-0.029	-12	28	48	FTEGRFAQVSDPTVGVD FFSR					Mascot
2379.1899	2379.3738	0.1839	77	170	190	DIFELVKCGDITIQEGWE GVK					Mascot
2379.1899	2379.3738	0.1839	77	170	190	DIFELVKCGDITIQEGWE GVK					Mascot

41 RecName: Full=Intraflagellar transport protein 172 homolog
gi|82232659 197655 5.61 19 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
877.46	877.423	-0.037	-42	782	789	AAWLAMSK					Mascot
882.4501	882.575	0.1249	142	828	834	ALECYRK					Mascot
1064.5483	1064.5403	-0.008	-8	815	823	AGDLFERTR					Mascot
1095.5867	1095.5372	-0.0495	-45	1291	1299	AVDCYLKVK			Carbamidomethyl (C)[4]		Mascot
1139.4899	1139.5138	0.0239	21	1489	1497	DRDCAEAFR			Carbamidomethyl (C)[4]		Mascot
1165.6034	1165.7551	0.1517	130	1480	1488	MFQELVNLR			Oxidation (M)[1]		Mascot
1263.6588	1263.6631	0.0043	3	1310	1320	CWMKAAELAIK					Mascot
1263.6588	1263.6631	0.0043	3	1310	1320	CWMKAAELAIK					Mascot
1275.6692	1275.6111	-0.0581	-46	51	61	DRFTTKPADPK					Mascot
1351.7368	1351.7147	-0.0221	-16	1215	1225	EFQKAEAFLLR					Mascot
1352.7208	1352.7048	-0.016	-12	53	64	FTTKPADPKYGK					Mascot
1352.7208	1352.7048	-0.016	-12	53	64	FTTKPADPKYGK					Mascot
1363.6675	1363.6885	0.021	15	1643	1653	EWVLTVSMDQR					Mascot
1363.6675	1363.6885	0.021	15	1643	1653	EWVLTVSMDQR					Mascot
1379.6624	1379.6506	-0.0118	-9	1643	1653	EWVLTVSMDQR			Oxidation (M)[8]		Mascot
1474.8086	1474.6882	-0.1204	-82	1679	1691	SLPCVITGYPVLR			Carbamidomethyl (C)[4]		Mascot
1502.7169	1502.7963	0.0794	53	1698	1710	RPGMAANKDDWNK					Mascot
1518.7118	1518.7903	0.0785	52	1698	1710	RPGMAANKDDWNK			Oxidation (M)[4]		Mascot
1529.6545	1529.8517	0.1972	129	1238	1250	DAGMWTAMDARICK			Oxidation (M)[4,9]		Mascot
1658.9159	1658.9414	0.0255	15	1168	1182	AGKPKEAVLMHVHNK					Mascot

	1658.9159	1658.9414	0.0255	15	1168	1182	AGKPKEAVLMHVVHNK							Mascot
	1716.9465	1717.0227	0.0762	44	1679	1693	SLPCVITGYPVLRNK					Carbamidomethyl (C)[4]		Mascot
	2211.0508	2211.1294	0.0786	36	19	38	VTCMAWAPNNAKFAVCT IDR							Mascot
	2211.0508	2211.1294	0.0786	36	19	38	VTCMAWAPNNAKFAVCT IDR							Mascot
	2284.0671	2284.2034	0.1363	60	19	38	VTCMAWAPNNAKFAVCT IDR					Carbamidomethyl (C)[3], Oxidation (M)[4]		Mascot
	2318.0396	2318.2329	0.1933	83	297	318	DGSRLSVGTLCGGVEMF DCCLR							Mascot
	2683.3008	2683.2405	-0.0603	-22	520	543	STMLSFCPPYQWVPGSD VVVAQNR							Mascot
42	PREDICTED: dynein heavy chain 7, axonemal [Danio rerio]				gi 189523512	455205.4	5.74	31	31	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
877.4698	877.423	-0.0468	-53	695	701	LELVMEK			Oxidation (M)[5]		Mascot
964.492	964.4287	-0.0633	-66	2966	2972	WLKNMEK			Oxidation (M)[5]		Mascot
980.5159	980.4255	-0.0904	-92	52	59	KQEYSGIR					Mascot
1064.5048	1064.5403	0.0355	33	2698	2706	VEDYWGPAAK					Mascot
1100.5444	1100.6183	0.0739	67	3937	3945	QCYISPVYK					Mascot
1164.5929	1164.5923	-0.0006	-1	986	995	DTMKQVSLDK					Mascot
1275.6725	1275.6111	-0.0614	-48	3767	3777	DSCVNIQKAIK			Carbamidomethyl (C)[3]		Mascot
1316.6879	1316.6786	-0.0093	-7	1588	1599	VLAAALNDICEK			Carbamidomethyl (C)[10]		Mascot
1322.6627	1322.6648	0.0021	2	2738	2748	YITNPDFVPEK					Mascot
1352.7572	1352.7048	-0.0524	-39	1949	1959	SVYILDFLLNR					Mascot
1352.7572	1352.7048	-0.0524	-39	1949	1959	SVYILDFLLNR					Mascot
1379.626	1379.6506	0.0246	18	3726	3737	LPQDFDTDAAMR					Mascot
1423.725	1423.7625	0.0375	26	2724	2735	DNIPVSYMSIIR			Oxidation (M)[8]		Mascot
1483.7063	1483.6519	-0.0544	-37	3032	3044	LGDSTIEYAPDFR					Mascot
1561.8431	1561.8402	-0.0029	-2	1767	1781	GTKELSPTSNTSLVK					Mascot
1593.79	1593.7393	-0.0507	-32	1842	1855	EMLVGGLSEETRTR			Oxidation (M)[2]		Mascot
1593.79	1593.7393	-0.0507	-32	1842	1855	EMLVGGLSEETRTR			Oxidation (M)[2]		Mascot
1638.8156	1638.8779	0.0623	38	552	565	LCEEYDTIANKALR					Mascot
1721.7529	1721.8103	0.0574	33	2031	2042	QWLDHWNWYDMK					Mascot
1737.7479	1737.8036	0.0557	32	2031	2042	QWLDHWNWYDMK			Oxidation (M)[11]		Mascot
1800.9602	1800.8799	-0.0803	-45	2973	2988	SNSLHVIKLSADAFVR					Mascot
1858.9004	1858.9478	0.0474	25	2415	2430	QTDGSTLALFNMFLER			Oxidation (M)[12]		Mascot
1859.9233	1859.9314	0.0081	4	108	126	SVTEISTPSTSGPPTAAE K					Mascot

1859.9233	1859.9314	0.0081	4	108	126	SVTEISTPSTSGPPTAAE K							Mascot
1861.0767	1860.9238	-0.1529	-82	1198	1214	QNRVTLGALVVLVDVHAR							Mascot
1994.1433	1994.0005	-0.1428	-72	1930	1948	LLITHQKPTVFVGPTGTG K							Mascot
2016.067	2016.0427	-0.0243	-12	2275	2291	APMNLVLFRAIEHVCR							Mascot
2032.0619	2032.0435	-0.0184	-9	2275	2291	APMNLVLFRAIEHVCR					Oxidation (M)[3]		Mascot
2210.8865	2211.1294	0.2429	110	3601	3618	YMTGECNYGGRVTDDW DR					Carbamidomethyl (C)[6], Oxidation (M)[2]		Mascot
2210.8865	2211.1294	0.2429	110	3601	3618	YMTGECNYGGRVTDDW DR					Carbamidomethyl (C)[6], Oxidation (M)[2]		Mascot
2225.0154	2225.1482	0.1328	60	3226	3243	DHFTYSLYCNVCRSLFEK							Mascot
2283.2383	2283.2114	-0.0269	-12	3806	3825	SYP SLKPLGGYISDFLER LK							Mascot
2284.1025	2284.2034	0.1009	44	3024	3044	QGG SVCIRLGDSTIEYAP DFR							Mascot
2318.2095	2318.2329	0.0234	10	3424	3446	LTSLSLGQGQGIAMSMI ETGVK							Mascot
2362.1167	2362.1172	0.0005	0	3738	3757	KYPTSYNQSMNTVLVQE MGR					Oxidation (M)[10]		Mascot
2661.3489	2661.2351	-0.1138	-43	1417	1440	TVAMMVDPYALIAEIVLYS CGFVR							Mascot
2683.3547	2683.2405	-0.1142	-43	2714	2735	FLQSLHEYKNKNIPVSYM SIIR					Oxidation (M)[18]		Mascot
43	PREDICTED: hypothetical protein LOC497432 [Danio rerio]				gi 326676501	147234.8	5.75	19	31	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
877.4413	877.423	-0.0183	-21	594	601	FAPQTGEK					Mascot
996.4996	996.6053	0.1057	106	1020	1027	NDYKESLK					Mascot
1095.5503	1095.5372	-0.0131	-12	87	96	GNCGEYVLLK					Mascot
1111.4871	1111.5952	0.1081	97	218	227	VGSCEIMNSR			Oxidation (M)[7]		Mascot
1139.5739	1139.5138	-0.0601	-53	908	917	SSKTACIHHR					Mascot
1151.5249	1151.6522	0.1273	111	1004	1013	LNTTDEEMAK					Mascot
1263.6943	1263.6631	-0.0312	-25	729	740	IIAVYGADADKK					Mascot
1263.6943	1263.6631	-0.0312	-25	729	740	IIAVYGADADKK					Mascot
1322.6949	1322.6648	-0.0301	-23	649	661	ETIGVFGKTGEGK					Mascot
1351.6648	1351.7147	0.0499	37	911	922	TACIHHRNNSAK					Mascot
1474.6995	1474.6882	-0.0113	-8	582	593	SSEKFMEAVQYR					Mascot
1501.6517	1501.6599	0.0082	5	392	403	TVCTEAMLCCLK			Carbamidomethyl (C)[3,9,10], Oxidation (M)[7]		Mascot
1501.6517	1501.6599	0.0082	5	392	403	TVCTEAMLCCLK			Carbamidomethyl (C)[3,9,10], Oxidation (M)[7]		Mascot
1561.7423	1561.8402	0.0979	63	1240	1252	SLMCYICESLSKSK			Carbamidomethyl (C)[4]		Mascot
1658.8359	1658.9414	0.1055	64	186	198	MNPVKQDFTFYIR					Mascot

1658.8359	1658.9414	0.1055	64	186	198	MNPVKQDFTFYIR											Mascot
1751.8641	1751.8743	0.0102	6	162	175	MHNKLLLCVENFMK						Oxidation (M)[1,13]					Mascot
1769.0176	1768.8936	-0.124	-70	432	447	CQGCPLKPVLTALKLK						Carbamidomethyl (C)[1]					Mascot
1791.7869	1791.9619	0.175	98	205	217	LDYFFIPDECMWR						Carbamidomethyl (C)[10]					Mascot
1807.7819	1807.9532	0.1713	95	205	217	LDYFFIPDECMWR						Carbamidomethyl (C)[10], Oxidation (M)[11]					Mascot
1993.9034	1994.0005	0.0971	49	1224	1239	DSMFEEAKMQFLNEFK											Mascot
2284.1277	2284.2034	0.0757	33	807	826	QELLEHIVLFDVPGTGDC NK						Carbamidomethyl (C)[18]					Mascot
2362.1074	2362.1172	0.0098	4	779	797	CHIQQSEYNPGGWYWPL VK						Carbamidomethyl (C)[1]					Mascot

44 PREDICTED: NACHT, LRR and PYD domains-containing protein 1 [Danio rerio] gi|326674408 105937.2 5.98 12 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
964.5284	964.4287	-0.0997	-103	433	440	VAFQQLMK					Mascot
980.5233	980.4255	-0.0978	-100	433	440	VAFQQLMK			Oxidation (M)[7]		Mascot
1077.5497	1077.5269	-0.0228	-21	421	429	LTDEDMLK					Mascot
1280.5245	1280.6072	0.0827	65	24	34	SDPEPSCVSMR			Carbamidomethyl (C)[7], Oxidation (M)[10]		Mascot
1363.6094	1363.6885	0.0791	58	23	34	RSDPEPSCVSMR					Mascot
1363.6094	1363.6885	0.0791	58	23	34	RSDPEPSCVSMR					Mascot
1379.6914	1379.6506	-0.0408	-30	326	337	VTEVRGFNDSQK					Mascot
1423.6774	1423.7625	0.0851	60	908	919	LFSDLMDPLNK			Oxidation (M)[6]		Mascot
1483.725	1483.6519	-0.0731	-49	257	268	VLFIIDGLDECR			Carbamidomethyl (C)[11]		Mascot
1737.9065	1737.8036	-0.1029	-59	876	892	GCAALASALRSNPEHLK					Mascot
1768.9229	1768.8936	-0.0293	-17	893	907	HLDLSDNLQIISSWK					Mascot
2225.1052	2225.1482	0.043	19	751	771	LGLYDCGLTDKGCAALA SALR			Carbamidomethyl (C)[6,13]		Mascot
2318.0791	2318.2329	0.1538	66	452	472	ECGIDVAEASVYSGLTQ IFR			Carbamidomethyl (C)[2]		Mascot
3364.7532	3364.6116	-0.1416	-42	384	412	MLSEAETAIEPKLTQTQMY THFLILQTNIK					Mascot

45 RAB39B, member RAS oncogene family [Danio rerio] gi|121582364 24474.5 6.54 6 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1316.6593	1316.6786	0.0193	15	60	70	LQIWDTAGQER					Mascot
1518.8274	1518.7903	-0.0371	-24	81	94	NSVGGLLLFDITNR					Mascot
1545.7543	1545.8455	0.0912	59	177	190	NGEISIQEGWEGVK					Mascot

	1658.8319	1658.9414	0.1095	66	141	155	LAAAYGMRYVETSAR										Mascot
	1658.8319	1658.9414	0.1095	66	141	155	LAAAYGMRYVETSAR										Mascot
	1800.8776	1800.8799	0.0023	1	95	108	RSFQNVHEWLEEAR										Mascot
	2362.1462	2362.1172	-0.029	-12	28	48	FTEGRFAQVSDPTVGVD FFSR										Mascot
46	brain-derived neurotrophic factor [Danio rerio]				gi 169145642		25880.8	5.62	6	31	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
877.4196	877.423	0.0034	4	225	232	EGCRGIDK					Mascot
964.4053	964.4287	0.0234	24	233	239	RHYSQC			Carbamidomethyl (C)[7]		Mascot
980.5094	980.4255	-0.0839	-86	1	7	MFQQVRR			Oxidation (M)[1]		Mascot
1993.9535	1994.0005	0.047	24	167	184	GELSVCDISQWVTAVD K			Carbamidomethyl (C)[6]		Mascot
2545.3542	2545.3594	0.0052	2	186	209	TAIDMSGQTVTVLEKVPV TNGQLK			Oxidation (M)[5]		Mascot
2545.3542	2545.3594	0.0052	2	186	209	TAIDMSGQTVTVLEKVPV TNGQLK			Oxidation (M)[5]		Mascot
2683.3301	2683.2405	-0.0896	-33	8	30	VMTILFVTMVISYFSCMR AAPMR			Oxidation (M)[2]		Mascot

47	novel protein similar to H.sapiens TTN, titin (TTN) [Danio rerio]				gi 169154823		842970	5.81	39	31	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.444	842.5162	0.0722	86	3102	3108	SYKVSMK					Mascot
877.4447	877.423	-0.0217	-25	6550	6557	NLSVEMGK					Mascot
882.4679	882.575	0.1071	121	2483	2489	YKVSTER					Mascot
964.4227	964.4287	0.006	6	4320	4327	LHTTMDCK			Oxidation (M)[5]		Mascot
980.4366	980.4255	-0.0111	-11	1600	1606	YRMHSDR			Oxidation (M)[3]		Mascot
996.536	996.6053	0.0693	70	2586	2593	LTITETYS					Mascot
1045.5347	1045.5701	0.0354	34	6656	6665	CQIGGTPEIK					Mascot
1064.5657	1064.5403	-0.0254	-24	7229	7237	KETTVMVK					Mascot
1077.5323	1077.5269	-0.0054	-5	1326	1336	APEAPGPEPGR					Mascot
1095.5867	1095.5372	-0.0495	-45	4924	4933	VSCTAALFVK			Carbamidomethyl (C)[3]		Mascot
1100.5582	1100.6183	0.0601	55	5147	5156	EPANITEQAK					Mascot
1111.5928	1111.5952	0.0024	2	7404	7414	IVCGPHISSAK					Mascot
1151.5249	1151.6522	0.1273	111	2297	2306	NGVEIEMSEK			Oxidation (M)[7]		Mascot
1263.6368	1263.6631	0.0263	21	5550	5560	GTAPFEVTWQK					Mascot

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Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
877.4559	877.423	-0.0329	-37	167	174	SVACVDRK					Mascot
980.5597	980.4255	-0.1342	-137	445	453	GAKVVMFTK					Mascot
996.5546	996.6053	0.0507	51	445	453	GAKVVMFTK			Oxidation (M)[6]		Mascot
1151.5691	1151.6522	0.0831	72	307	315	LYLQDSQER					Mascot
1502.7533	1502.7963	0.043	29	448	460	VVMFTKHSGSHTR			Oxidation (M)[3]		Mascot
1658.7849	1658.9414	0.1565	94	158	173	GVANHMAGRSVACVDR			Oxidation (M)[6]		Mascot
1658.7849	1658.9414	0.1565	94	158	173	GVANHMAGRSVACVDR			Oxidation (M)[6]		Mascot
1716.9391	1717.0227	0.0836	49	225	241	YTGGRGVVGPILSDAR					Mascot
1859.8187	1859.9314	0.1127	61	97	115	DPAGNAIGVTACDVDGDGR			Carbamidomethyl (C)[12]		Mascot
1859.8268	1859.9314	0.1046	56	242	257	SDIFCDNENGPNFLFK					Mascot
2661.2805	2661.2351	-0.0454	-17	294	315	TDIVYGNWNGPHRLYLQDSQER					Mascot

49 PREDICTED: DENN domain-containing protein 2A [Danio rerio] gi|326679977 79687.7 8.23 10 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
964.4516	964.4287	-0.0229	-24	2	11	PSASTMTGGR					Mascot
980.4465	980.4255	-0.021	-21	2	11	PSASTMTGGR			Oxidation (M)[6]		Mascot
1095.4922	1095.5372	0.045	41	1	11	MPSASTMTGGR					Mascot
1111.4871	1111.5952	0.1081	97	1	11	MPSASTMTGGR			Oxidation (M)[1]		Mascot
1280.6189	1280.6072	-0.0117	-9	193	204	RVSQSTESSSGR					Mascot
1501.8308	1501.6599	-0.1709	-114	379	391	RAISPALVQPFMR			Oxidation (M)[12]		Mascot
1501.8308	1501.6599	-0.1709	-114	379	391	RAISPALVQPFMR			Oxidation (M)[12]		Mascot
1518.7581	1518.7903	0.0322	21	242	253	TLERDLMDLQER					Mascot
1800.9677	1800.8799	-0.0878	-49	392	408	GIMEAPFPAPGRTISIK			Oxidation (M)[3]		Mascot
2016.1165	2016.0427	-0.0738	-37	267	284	TKAGVPYLPEVTQQFPLK					Mascot
2284.0662	2284.2034	0.1372	60	668	687	GLFEMRAQDYLDLPGG			Oxidation (M)[5]		Mascot
2379.1624	2379.3738	0.2114	89	641	659	RFLEVMETQMFAGFLQER					Mascot
2379.1624	2379.3738	0.2114	89	641	659	RFLEVMETQMFAGFLQER					Mascot
2545.1624	2545.3594	0.197	77	144	167	VSPSPSTPSSPDDTPCLS					Mascot
2545.1624	2545.3594	0.197	77	144	167	GDYPNRR					Mascot

50	NOP56 [Danio rerio]	gi 49619095	60635	8.72	9	30	0
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Peptide Information				Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm								
964.5574	964.4287	-0.1287	-133	369	376	ISRYLANK					Mascot
980.5676	980.4255	-0.1421	-145	128	135	LHFHSLVK					Mascot
1045.571	1045.5701	-0.0009	-1	91	100	KPMLGVSDAK					Mascot
1275.6943	1275.6111	-0.0832	-65	78	89	LFLETNLPSGGK					Mascot
1751.9591	1751.8743	-0.0848	-48	349	364	YGLIFHSTFIGRAAAK					Mascot
1808.0177	1807.9532	-0.0645	-36	128	144	LHFHSLVKGLTAQAASK					Mascot
2016.0621	2016.0427	-0.0194	-10	136	155	GLTAQAASKAQLGLGHS YSR					Mascot
2211.2358	2211.1294	-0.1064	-48	1	20	MVLLHVLFEHAAGYALLA VK			Oxidation (M)[1]		Mascot
2211.2358	2211.1294	-0.1064	-48	1	20	MVLLHVLFEHAAGYALLA VK			Oxidation (M)[1]		Mascot
2362.0347	2362.1172	0.0825	35	222	241	KELSEEMLEAMEEITMDS AK			Oxidation (M)[7,11,16]		Mascot

Gel Idx/Pos	175/H2	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	novel protein similar to H.sapiens NCL, nucleolin (NCL, zgc:152810) [Danio rerio]	gi 220672795	74887.4	4.62	19	557	100	459	100

Peptide Information					Ion Score	C. I. %	Modification	Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.					
882.577	882.5717	-0.0053	-6	349	356	KLLGQPVK			Mascot
940.5137	940.5209	0.0072	8	414	421	GIAYIEFK			Mascot
1022.4901	1022.5009	0.0108	11	571	580	DSFDGAIAAR			Mascot
1024.4694	1024.5231	0.0537	52	532	539	LEYSQNDR			Mascot
1058.5476	1058.5569	0.0093	9	313	321	EGLEIQDVR			Mascot
1146.6014	1146.6381	0.0367	32	689	699	GGFGDRPQGKK			Mascot
1205.6161	1205.6255	0.0094	8	394	403	EIFDQAVDIR	86	100	Mascot
1205.6161	1205.6255	0.0094	8	394	403	EIFDQAVDIR			Mascot
1252.642	1252.7349	0.0929	74	298	308	DFDELKSAISK			Mascot
1309.6132	1309.6219	0.0087	7	532	541	LEYSQNDRER			Mascot
1359.6499	1359.6603	0.0104	8	429	441	ALEEAQGSDVQGR			Mascot

	1380.6866	1380.6865	-0.0001	0	529	539	SIRLEYSQNDR												Mascot
	1434.7224	1434.7333	0.0109	8	382	393	NLPYSITQDDL												Mascot
	1434.7224	1434.7333	0.0109	8	382	393	NLPYSITQDDL	97	100										Mascot
	1563.6956	1563.7495	0.0539	34	606	620	AAKEAMDDGEIDGNK												Mascot
	1563.6956	1563.7495	0.0539	34	606	620	AAKEAMDDGEIDGNK												Mascot
	1661.7693	1661.7815	0.0122	7	328	341	FGYVDFASEEELQK												Mascot
	1677.6849	1677.6991	0.0142	8	592	605	GFGFVDFDNEQDCK	74	99.999	Carbamidomethyl (C)[13]									Mascot
	1677.6849	1677.6991	0.0142	8	592	605	GFGFVDFDNEQDCK			Carbamidomethyl (C)[13]									Mascot
	2297.0891	2297.1531	0.064	28	559	580	GLSDDTTDQTLKDSFDG AIAAR												Mascot
	2396.2344	2396.2654	0.031	13	465	486	VLVVNNLAFSASEDSLQS VFEK												Mascot
	2587.231	2587.2673	0.0363	14	281	303	TDGEGFSLFLGNLNNK DFDELK												Mascot
	3249.4275	3249.4709	0.0434	13	501	528	GYAFVEFENVEDSKEALE NCNNTDIEGR			Carbamidomethyl (C)[20]									Mascot
	3249.4275	3249.4709	0.0434	13	501	528	GYAFVEFENVEDSKEALE NCNNTDIEGR	202	100	Carbamidomethyl (C)[20]									Mascot
2	nucleolin [Danio rerio]				gi 49618989		70862.8	4.74	17	543	100	459	100						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.577	882.5717	-0.0053	-6	312	319	KLLGQPVK					Mascot
1022.4901	1022.5009	0.0108	11	534	543	DSFDGAIAAR					Mascot
1024.4694	1024.5231	0.0537	52	495	502	LEYSQNDR					Mascot
1058.5476	1058.5569	0.0093	9	276	284	EGLEIQDVR					Mascot
1205.6161	1205.6255	0.0094	8	357	366	EIFDQAVDIR	86	100			Mascot
1205.6161	1205.6255	0.0094	8	357	366	EIFDQAVDIR					Mascot
1252.642	1252.7349	0.0929	74	261	271	DFDELKSAISK					Mascot
1309.6132	1309.6219	0.0087	7	495	504	LEYSQNDRER					Mascot
1359.6499	1359.6603	0.0104	8	392	404	ALEEAQGSQDVQGR					Mascot
1380.6866	1380.6865	-0.0001	0	492	502	SIRLEYSQNDR					Mascot
1434.7224	1434.7333	0.0109	8	345	356	NLPYSITQDDL					Mascot
1434.7224	1434.7333	0.0109	8	345	356	NLPYSITQDDL	97	100			Mascot
1563.6956	1563.7495	0.0539	34	569	583	AAKEAMDDGEIDGNK					Mascot
1563.6956	1563.7495	0.0539	34	569	583	AAKEAMDDGEIDGNK					Mascot
1661.7693	1661.7815	0.0122	7	291	304	FGYVDFASEEELQK					Mascot
1677.6849	1677.6991	0.0142	8	555	568	GFGFVDFDNEQDCK	74	99.999	Carbamidomethyl (C)[13]		Mascot
1677.6849	1677.6991	0.0142	8	555	568	GFGFVDFDNEQDCK			Carbamidomethyl (C)[13]		Mascot

	2297.0891	2297.1531	0.064	28	522	543	GLSDDTTDQTLKDSFDG AIAAR													Mascot							
	2396.2344	2396.2654	0.031	13	428	449	VLVVNNLAFSASEDSLQS VFEK													Mascot							
	2587.231	2587.2673	0.0363	14	244	266	TDGEGFSLFLGNLNNNK DFDELK													Mascot							
	3249.4275	3249.4709	0.0434	13	464	491	GYAFVEFENVEDSKEALE NCNNTDIEGR													Mascot							
	3249.4275	3249.4709	0.0434	13	464	491	GYAFVEFENVEDSKEALE NCNNTDIEGR		202	100	Carbamidomethyl (C)[20]									Mascot							
3	PREDICTED: neutral alpha-glucosidase AB-like [Danio rerio]																			gi 292621001	106709.9	5.34	25	389	100	256	100

	1925.891	1925.9102	0.0192	10	331	347	MLDFVQGSSETPQTDVR									Oxidation (M)[1]	Mascot	
	2028.0695	2028.0717	0.0022	1	921	938	KPGINAGMDWTILLQSQR										Mascot	
	2044.0645	2044.0875	0.023	11	921	938	KPGINAGMDWTILLQSQR									Oxidation (M)[8]	Mascot	
	2071.0051	2071.0205	0.0154	7	903	920	ETPVEFEFDASMSVLTLR										Mascot	
	2087.0002	2087.0176	0.0174	8	903	920	ETPVEFEFDASMSVLTLR									Oxidation (M)[12]	Mascot	
	2233.0515	2233.1084	0.0569	25	811	830	SSACMENDPYTLYVALS PKK									Oxidation (M)[5]	Mascot	
	2354.2615	2354.2368	-0.0247	-10	777	797	HNGAQNLVIPVTLSIPVF QR										Mascot	
	2677.0872	2677.1145	0.0273	10	490	511	NYEGWCWPGNSGYPDF TNPEMR									Carbamidomethyl (C)[6]	Mascot	
4	PREDICTED: neutral alpha-glucosidase AB-like [Danio rerio]										gi 326673856	84660.6	5.01	19	272	100	178	100

Peptide Information																		
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type						
883.442	883.4474	0.0054	6	595	602	AFFAGSQR						Mascot						
973.5061	973.5176	0.0115	12	574	582	ATAEGQIQR						Mascot						
1055.5996	1055.606	0.0064	6	168	176	GLLAFEHLR	37	94.65				Mascot						
1055.5996	1055.606	0.0064	6	168	176	GLLAFEHLR						Mascot						
1058.6469	1058.5569	-0.09	-85	143	151	LIVSARPFR						Mascot						
1146.6266	1146.6381	0.0115	10	46	55	TLKPGQSPYR						Mascot						
1155.6885	1155.6981	0.0096	8	79	87	VHLLLELYR						Mascot						
1231.5194	1231.6849	0.1655	134	34	43	TCDQSSFCKR			Carbamidomethyl (C)[2]			Mascot						
1317.7273	1317.7367	0.0094	7	583	594	SGGVERPFVLTR						Mascot						
1317.7273	1317.7367	0.0094	7	583	594	SGGVERPFVLTR	8	0				Mascot						
1332.7006	1332.71	0.0094	7	56	67	ALLDTLELSDSR						Mascot						
1434.9154	1434.7333	-0.1821	-127	95	106	VKINELKPLKPR						Mascot						
1434.9154	1434.7333	-0.1821	-127	95	106	VKINELKPLKPR						Mascot						
1448.7532	1448.757	0.0038	3	562	573	DVHNIYGLYVQK						Mascot						
1563.7379	1563.7495	0.0116	7	655	666	WYQTGAYQPFFR						Mascot						
1563.7379	1563.7495	0.0116	7	655	666	WYQTGAYQPFFR	91	100				Mascot						
1642.8588	1642.8677	0.0089	5	677	690	EPWLFGPENTALIR						Mascot						
1691.8217	1691.8334	0.0117	7	431	443	YFTWDPHKFPEPK						Mascot						
1785.9415	1785.9579	0.0164	9	152	167	LDIMEGPEVLLSLNSR						Mascot						
1798.9598	1798.9722	0.0124	7	676	690	REPWLFGPENTALIR						Mascot						
1798.9598	1798.9722	0.0124	7	676	690	REPWLFGPENTALIR	43	98.55				Mascot						
1860.8663	1860.8818	0.0155	8	603	619	YGAVWTGDNAADWGH LK						Mascot						
1909.896	1909.9108	0.0148	8	331	347	MLDFVQGSSETPQTDVR						Mascot						

	1925.891	1925.9102	0.0192	10	331	347	MLDFVQGSSETPQTDVR						Oxidation (M)[1]	Mascot
	2677.0872	2677.1145	0.0273	10	490	511	NYEGWCWPGNSGYPDF TNPEMR						Carbamidomethyl (C)[6]	Mascot
5	Zgc:171967 protein [Danio rerio]				gi 190339135	104064.6	5.22	12	120	100	88	100		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
883.442	883.4474	0.0054	6	576	583	AFFAGSQR						Mascot
996.5585	996.6018	0.0433	43	453	460	IHNEIRSK						Mascot
1055.5996	1055.606	0.0064	6	163	171	GLLAFEHLR	37	94.65				Mascot
1055.5996	1055.606	0.0064	6	163	171	GLLAFEHLR						Mascot
1205.5811	1205.6255	0.0444	37	533	542	DAVHGVWEHR						Mascot
1205.5811	1205.6255	0.0444	37	533	542	DAVHGVWEHR						Mascot
1231.5194	1231.6849	0.1655	134	29	38	TCDQSSFCKR				Carbamidomethyl (C)[2]		Mascot
1309.6383	1309.6219	-0.0164	-13	253	263	LKSTENS DPYR						Mascot
1317.7273	1317.7367	0.0094	7	564	575	SGGVERPFLTR						Mascot
1317.7273	1317.7367	0.0094	7	564	575	SGGVERPFLTR	8	0				Mascot
1332.7006	1332.71	0.0094	7	51	62	ALLDTLELSDSR						Mascot
1434.9154	1434.7333	-0.1821	-127	90	101	VKINELKPIKPR						Mascot
1434.9154	1434.7333	-0.1821	-127	90	101	VKINELKPIKPR						Mascot
1448.7532	1448.757	0.0038	3	543	554	DVHNLYGLYVQK						Mascot
1642.8588	1642.8677	0.0089	5	658	671	EPWLFGPENTALIR						Mascot
1798.9598	1798.9722	0.0124	7	657	671	REPWLFGPENTALIR						Mascot
1798.9598	1798.9722	0.0124	7	657	671	REPWLFGPENTALIR	43	98.55				Mascot

6	hypothetical protein LOC100126019 [Danio rerio]				gi 157787145	49134.9	8.2	6	69	99.477	51	99.767		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
883.442	883.4474	0.0054	6	47	54	AFFAGSQR						Mascot
1205.5811	1205.6255	0.0444	37	4	13	DAVHGVWEHR						Mascot
1205.5811	1205.6255	0.0444	37	4	13	DAVHGVWEHR						Mascot
1317.7273	1317.7367	0.0094	7	35	46	SGGVERPFLTR						Mascot
1317.7273	1317.7367	0.0094	7	35	46	SGGVERPFLTR	8	0				Mascot
1448.7532	1448.757	0.0038	3	14	25	DVHNLYGLYVQK						Mascot
1642.8588	1642.8677	0.0089	5	129	142	EPWLFGPENTALIR						Mascot
1798.9598	1798.9722	0.0124	7	128	142	REPWLFGPENTALIR						Mascot

	1798.9598	1798.9722	0.0124	7	128	142	REPWLFGPENTALIR		43	98.55		Mascot
7	calcium-binding protein 39-like [Danio rerio]				gi 55925566	38782.2	6.81	10	51	62.986		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.5155	882.5717	0.0562	64	186	192	DLLTRHK					Mascot
1041.6302	1041.5912	-0.039	-37	228	236	LLGELLDR					Mascot
1115.667	1115.5195	-0.1475	-132	10	19	SPTEIVKTLK					Mascot
1165.6068	1165.7517	0.1449	124	254	262	LMNLLRDK			Oxidation (M)[2,3]		Mascot
1252.6466	1252.7349	0.0883	70	145	154	ECIRHEPLAK			Carbamidomethyl (C)[2]		Mascot
1359.7379	1359.6603	-0.0776	-57	213	223	LLHSENYVTKR					Mascot
1451.7233	1451.7589	0.0356	25	35	47	ASEEVSKCLVAMK			Carbamidomethyl (C)[8]		Mascot
1563.7954	1563.7495	-0.0459	-29	263	275	SPNIQFEAFHVK					Mascot
1563.7954	1563.7495	-0.0459	-29	263	275	SPNIQFEAFHVK					Mascot
2028.1058	2028.0717	-0.0341	-17	228	244	LLGELLDRHNFTVMTR					Mascot
2044.1008	2044.0875	-0.0133	-7	228	244	LLGELLDRHNFTVMTR			Oxidation (M)[15]		Mascot
2396.1519	2396.2654	0.1135	47	129	148	GYETPQVALNCGIMLRE CIR			Carbamidomethyl (C)[11,18], Oxidation (M)[14]		Mascot

8	Synbl protein [Danio rerio]				gi 141796272	31226.2	5.37	9	44	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5709	842.5159	-0.055	-65	18	24	VEKLLLK					Mascot
883.3904	883.4474	0.057	65	25	31	YNTENSR					Mascot
1045.6769	1045.5726	-0.1043	-100	171	179	LLFLLSALR					Mascot
1058.6503	1058.5569	-0.0934	-88	256	264	LRLIAGIMR			Oxidation (M)[8]		Mascot
1115.6605	1115.5195	-0.141	-126	46	55	LCQGLLTVLR					Mascot
1563.7384	1563.7495	0.0111	7	2	16	SLSDILSEIDGGDDK					Mascot
1563.7384	1563.7495	0.0111	7	2	16	SLSDILSEIDGGDDK					Mascot
1625.8169	1625.8036	-0.0133	-8	32	45	TFAFDLEEEGARIK					Mascot
1691.8334	1691.8334	0	0	2	17	SLSDILSEIDGGDDKK					Mascot
2283.0193	2283.2014	0.1821	80	98	118	ICVAGHEGEPLAAQSAE EER					Mascot

9	novel protein similar to human and mouse GRIP and coiled-coil domain containing 1 (GCC1) [Danio rerio]				gi 56207500	91060.6	5.23	14	42	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
842.4518	842.5159	0.0641	76	31	36 YQTRFK					Mascot
902.524	902.5206	-0.0034	-4	518	525 MRAQGVLK					Mascot
1022.5152	1022.5009	-0.0143	-14	744	752 DGANLEYLK					Mascot
1058.5112	1058.5569	0.0457	43	83	92 ALPSDLGDDR					Mascot
1115.5691	1115.5195	-0.0496	-44	215	223 QELEELQAR					Mascot
1309.6747	1309.6219	-0.0528	-40	705	715 LEEDLHQLQGK					Mascot
1359.6499	1359.6603	0.0104	8	531	542 DGNQAKELEEER					Mascot
1434.7145	1434.7333	0.0188	13	390	402 VSELSELLGACEK			Carbamidomethyl (C)[11]		Mascot
1434.7145	1434.7333	0.0188	13	390	402 VSELSELLGACEK	4	0	Carbamidomethyl (C)[11]		Mascot
1477.7314	1477.7069	-0.0245	-17	378	389 MEEIRVASLEER			Oxidation (M)[1]		Mascot
1661.8527	1661.7815	-0.0712	-43	390	404 VSELSELLGACEKAR			Carbamidomethyl (C)[11]		Mascot
1677.8806	1677.6991	-0.1815	-108	552	565 YINLRIQSDEAEVK					Mascot
1677.8806	1677.6991	-0.1815	-108	552	565 YINLRIQSDEAEVK					Mascot
1785.8501	1785.9579	0.1078	60	481	496 LLEGGEKDHEVSESEK					Mascot
2027.978	2028.0717	0.0937	46	230	246 QHQAELQNLQEQAESK					Mascot
2297.1077	2297.1531	0.0454	20	293	313 ATLAEAMQAADRGLDYE SQLK			Oxidation (M)[7]		Mascot

10 novel protein [Danio rerio] gi|157888764 66709.9 9.51 10 41 0 7 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
883.3679	883.4474	0.0795	90	121	127 FEDESEK					Mascot
1055.632	1055.606	-0.026	-25	533	541 EGRPKLSLR	3	0			Mascot
1055.632	1055.606	-0.026	-25	533	541 EGRPKLSLR					Mascot
1146.5974	1146.6381	0.0407	35	371	381 SGSKSRPSGQR					Mascot
1317.6481	1317.7367	0.0886	67	237	246 WVTNPQTCRR			Carbamidomethyl (C)[8]		Mascot
1317.6481	1317.7367	0.0886	67	237	246 WVTNPQTCRR			Carbamidomethyl (C)[8]		Mascot
1448.6257	1448.757	0.1313	91	561	573 SNSMEHLCSPTAR			Oxidation (M)[4]		Mascot
1477.6926	1477.7069	0.0143	10	542	554 RFFSAMGLNSMGK			Oxidation (M)[6,11]		Mascot
1625.8242	1625.8036	-0.0206	-13	222	236 STHGITDSQEKA VPR					Mascot
1661.8389	1661.7815	-0.0574	-35	543	557 FFSAMGLNSMGKLVK			Oxidation (M)[5,10]		Mascot
1798.9293	1798.9722	0.0429	24	477	493 DSKSTVPVSSDSHLALR					Mascot
1798.9293	1798.9722	0.0429	24	477	493 DSKSTVPVSSDSHLALR	7	0			Mascot
2225.0359	2225.1377	0.1018	46	197	216 DEMLRTCEACGSILAAQ TK			Carbamidomethyl (C)[7,10]		Mascot

11 PREDICTED: zgc:171573 [Danio rerio] gi|68441609 43885.4 8.27 10 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
902.4689	902.5206	0.0517	57	87	93	DERQLNK					Mascot
1022.5265	1022.5009	-0.0256	-25	27	34	QERIFSDK					Mascot
1252.5593	1252.7349	0.1756	140	358	367	YYSQFNTSSR					Mascot
1317.7307	1317.7367	0.006	5	304	315	MSSARAALLLER					Mascot
1317.7307	1317.7367	0.006	5	304	315	MSSARAALLLER					Mascot
1332.6682	1332.71	0.0418	31	110	120	EFDLNDPELLK					Mascot
1727.8711	1727.8621	-0.009	-5	344	357	KHLQDVYTNIPDER					Mascot
1727.8711	1727.8621	-0.009	-5	344	357	KHLQDVYTNIPDER					Mascot
2027.9087	2028.0717	0.163	80	169	184	QEEENQYDQIRMSLSR			Oxidation (M)[11]		Mascot
2211.042	2211.1277	0.0857	39	65	83	VYADDLLCSDGIACILEQ R			Carbamidomethyl (C)[8,14]		Mascot
2211.042	2211.1277	0.0857	39	65	83	VYADDLLCSDGIACILEQ R			Carbamidomethyl (C)[8,14]		Mascot
2225.2288	2225.1377	-0.0911	-41	198	217	DLIIATKDFNLALAAEITH R					Mascot
2396.0645	2396.2654	0.2009	84	261	279	DCYKGMSPQELQTYTQY QR			Carbamidomethyl (C)[2]		Mascot

12 lft81 protein [Danio rerio] gi|145337899 29908.3 5.76 9 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
883.4164	883.4474	0.031	35	218	223	QMKMWK			Oxidation (M)[2,4]		Mascot
1045.5636	1045.5726	0.009	9	14	21	TEEILRER					Mascot
1115.6055	1115.5195	-0.086	-77	155	163	EIIESQIQR					Mascot
1448.6976	1448.757	0.0594	41	135	146	TLREETAQEEESR					Mascot
1581.7651	1581.8031	0.038	24	221	232	MWKDLETLLCEK			Carbamidomethyl (C)[11], Oxidation (M)[1]		Mascot
1727.8018	1727.8621	0.0603	35	113	128	AQYETCAAGLESNRSK					Mascot
1727.8018	1727.8621	0.0603	35	113	128	AQYETCAAGLESNRSK					Mascot
1912.9399	1912.9994	0.0595	31	96	111	ALRQEHAELAPEYEEK					Mascot
2225.0879	2225.1377	0.0498	22	147	163	YHHINCEREIIESQIQR			Carbamidomethyl (C)[6]		Mascot
2283.1914	2283.2014	0.01	4	234	254	QCYLKAQSQAPIGHVIQD VGK					Mascot

13 hypothetical protein LOC492329 [Danio rerio] gi|55925514 119622.9 8.99 17 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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				Seq.	Seq.		Score				
	842.4366	842.5159	0.0793	94	90	96	NTTLEHK		Mascot		
	1058.4645	1058.5569	0.0924	87	694	701	KEACEMFK	Carbamidomethyl (C)[4], Oxidation (M)[6]	Mascot		
	1231.7191	1231.6849	-0.0342	-28	179	190	AAMLVKVSSIGR		Mascot		
	1434.7006	1434.7333	0.0327	23	231	244	CTTTPGGKIAADSR	Carbamidomethyl (C)[1]	Mascot		
	1434.7522	1434.7333	-0.0189	-13	666	677	KVSIANMLSWNR	Oxidation (M)[7]	Mascot		
	1451.6445	1451.7589	0.1144	79	774	784	FCCYLEGYIQR	Carbamidomethyl (C)[2]	Mascot		
	1477.7614	1477.7069	-0.0545	-37	682	693	KPMLMTNDRTVR	Oxidation (M)[3]	Mascot		
	1563.8376	1563.7495	-0.0881	-56	794	806	ITQFILDQQDSKK		Mascot		
	1563.8376	1563.7495	-0.0881	-56	793	805	KITQFILDQQDSK		Mascot		
	1625.8131	1625.8036	-0.0095	-6	956	968	ELEEPLIPMTFYK	Oxidation (M)[9]	Mascot		
	1691.8898	1691.8334	-0.0564	-33	667	681	VSIANMLSWNRGSIK	Oxidation (M)[6]	Mascot		
	1730.9119	1730.9097	-0.0022	-1	327	341	MKLLQHPAQPHSSR		Mascot		
	1860.8909	1860.8818	-0.0091	-5	542	558	TNNNPSMAFTPLDIPGR	Oxidation (M)[7]	Mascot		
	1913.0248	1912.9994	-0.0254	-13	718	734	HAALLIVTKCWGMQGLR	Oxidation (M)[13]	Mascot		
	1925.9347	1925.9102	-0.0245	-13	118	135	TPLPPVEPCTKEPECASK		Mascot		
	2086.9612	2087.0176	0.0564	27	18	35	EYMYVNLTGICGWDPP K		Mascot		
	2225.1133	2225.1377	0.0244	11	753	773	SLAAGWELMAVCLAFFA PSPK	Oxidation (M)[9]	Mascot		
14	hypothetical protein LOC100126120 [Danio rerio]				gi 157954484		52911.3	7.59	12	39	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1022.5126	1022.5009	-0.0117	-11	407	414	NHERHTK				Mascot
1045.6516	1045.5726	-0.079	-76	399	406	FRQLQILK				Mascot
1058.4281	1058.5569	0.1288	122	244	252	EFVCSECGK		Carbamidomethyl (C)[4]		Mascot
1115.4496	1115.5195	0.0699	63	244	252	EFVCSECGK		Carbamidomethyl (C)[4,7]		Mascot
1252.7412	1252.7349	-0.0063	-5	141	150	TFIKPSYLKR				Mascot
1332.653	1332.71	0.057	43	11	21	QEETEELIDVK				Mascot
1451.6021	1451.7589	0.1568	108	22	33	QSEELSEDEEK				Mascot
1625.8217	1625.8036	-0.0181	-11	318	330	LHQMIHTGERPYK		Oxidation (M)[4]		Mascot
1677.736	1677.6991	-0.0369	-22	244	258	EFVCSECGKSFNTAR				Mascot
1677.736	1677.6991	-0.0369	-22	244	258	EFVCSECGKSFNTAR				Mascot
1798.8615	1798.9722	0.1107	62	275	289	CSHCDSFIYLQNLK				Mascot
1798.8615	1798.9722	0.1107	62	275	289	CSHCDSFIYLQNLK				Mascot
1912.9044	1912.9994	0.095	50	275	289	CSHCDSFIYLQNLK		Carbamidomethyl (C)[1,4]		Mascot

	2086.9895	2087.0176	0.0281	13	122	140	VYQSVQAEVKSNSCSLC GK					Carbamidomethyl (C)[14]	Mascot
	2210.978	2211.1277	0.1497	68	435	452	SLHLQWHMMIHAGEETQ M					Oxidation (M)[8,9]	Mascot
	2210.978	2211.1277	0.1497	68	435	452	SLHLQWHMMIHAGEETQ M					Oxidation (M)[8,9]	Mascot
	2283.0579	2283.2014	0.1435	63	318	336	LHQMIHTGERPYKCSHC DK						Mascot

15 tektin 2 (testicular) [Danio rerio] gi|94733681 48602.7 5.71 9 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5789	1045.5726	-0.0063	-6	68	75	INDITRWK					Mascot
1115.5691	1115.5195	-0.0496	-44	140	149	EVEVIDGAQR					Mascot
1798.9657	1798.9722	0.0065	4	165	179	LQEARQQLTIDLQDK					Mascot
1798.9657	1798.9722	0.0065	4	165	179	LQEARQQLTIDLQDK					Mascot
1909.8518	1909.9108	0.059	31	80	96	ACAQEVDEEMDALTLISK			Carbamidomethyl (C)[2]		Mascot
1925.8467	1925.9102	0.0635	33	80	96	ACAQEVDEEMDALTLISK			Carbamidomethyl (C)[2], Oxidation (M)[10]		Mascot
2070.9199	2071.0205	0.1006	49	269	284	THHEEQAHHDMQWQLK			Oxidation (M)[11]		Mascot
2211.0261	2211.1277	0.1016	46	268	284	RTHHEEQAHHDMQWQL K					Mascot
2211.0261	2211.1277	0.1016	46	268	284	RTHHEEQAHHDMQWQL K					Mascot
2283.1365	2283.2014	0.0649	28	2	22	ATLSSKPASRYSVSDWA TNNK					Mascot
2337.0947	2337.2498	0.1551	66	76	96	ENLKACAQEVDEEMDAL TLISK					Mascot
2396.2966	2396.2654	-0.0312	-13	102	123	ALAATVLPLEVTAECNLN REGR			Carbamidomethyl (C)[15]		Mascot

16 ATR-interacting protein [Danio rerio] gi|113678194 81922.4 5.71 13 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
973.5424	973.5176	-0.0248	-25	206	214	LQSVERGGK					Mascot
1024.4945	1024.5231	0.0286	28	236	244	ENFSAEISK					Mascot
1309.6356	1309.6219	-0.0137	-10	151	160	QAHQEREQQR					Mascot
1448.7065	1448.757	0.0505	35	563	574	LCLHDYPCPFLK					Mascot
1477.9001	1477.7069	-0.1932	-131	631	642	TVVVVLHRQWLK					Mascot
1642.8403	1642.8677	0.0274	17	465	478	NMLGEIQNQMPVLR					Mascot
1665.79	1665.9108	0.1208	73	54	68	RSFDAVLACADEPSK			Carbamidomethyl (C)[9]		Mascot
1798.9414	1798.9722	0.0308	17	465	479	NMLGEIQNQMPVLR					Mascot
1799.0021	1798.9722	-0.0299	-17	505	520	ILSVLAERAEDNLISR					Mascot

	1860.9813	1860.8818	-0.0995	-53	586	601	SSTEDAWSRLELVVIR							Mascot
	2087.0955	2087.0176	-0.0779	-37	442	459	ALQHIVCYSKEALEDVIR							Mascot
	2297.0107	2297.1531	0.1424	62	611	630	AGTWAALCESSQCQVNE VVR			Carbamidomethyl (C)[8,12,14]				Mascot
	3249.7043	3249.4709	-0.2334	-72	521	548	LQVVMSSPVLISKCLTLET TYSIVHLCVR			Carbamidomethyl (C)[13,26], Oxidation (M)[5]				Mascot
	3249.7043	3249.4709	-0.2334	-72	521	548	LQVVMSSPVLISKCLTLET TYSIVHLCVR			Carbamidomethyl (C)[13,26], Oxidation (M)[5]				Mascot
17	PREDICTED: coronin-2B [Danio rerio]					gi 292627941	53560.2	7.91	10	37	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	882.5519	882.5717	0.0198	22	199	205	LRIIDPR					Mascot
	883.442	883.4474	0.0054	6	71	77	VDPHYPR					Mascot
	1022.5741	1022.5009	-0.0732	-72	231	239	RVFTTGVSRR					Mascot
	1252.7233	1252.7349	0.0116	9	398	408	RPNPVSLRASR					Mascot
	1317.7776	1317.7367	-0.0409	-31	386	397	GPVLISLKEAYK					Mascot
	1317.7776	1317.7367	-0.0409	-31	386	397	GPVLISLKEAYK					Mascot
	1359.7123	1359.6603	-0.052	-38	310	322	SAAPQKSLCVMPPK					Mascot
	1691.8097	1691.8334	0.0237	14	324	337	GVDVSECEIFRFYK					Mascot
	1913.1041	1912.9994	-0.1047	-55	338	354	LVTFRGLVEPVSMIVPR					Mascot
	2211.0435	2211.1277	0.0842	38	71	89	VDPHYPRVCGHQGSVM DIK			Carbamidomethyl (C)[9], Oxidation (M)[16]		Mascot
	2211.0435	2211.1277	0.0842	38	71	89	VDPHYPRVCGHQGSVM DIK			Carbamidomethyl (C)[9], Oxidation (M)[16]		Mascot
	2396.1414	2396.2654	0.124	52	135	156	VGLIEWHTCSGILFSAG YDCK					Mascot

18	hypothetical protein [Danio rerio]					gi 295821973	4314	4.67	4	37	0			
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	973.4149	973.5176	0.1027	106	32	39	EGFVEYTE					Mascot
	1317.6	1317.7367	0.1367	104	17	28	ATACQMLVCYAK			Oxidation (M)[6]		Mascot
	1317.6	1317.7367	0.1367	104	17	28	ATACQMLVCYAK			Oxidation (M)[6]		Mascot
	1785.8696	1785.9579	0.0883	49	17	31	ATACQMLVCYAKELK			Carbamidomethyl (C)[4,9]		Mascot
	2086.9971	2087.0176	0.0205	10	10	28	TAGLEEKATACQMLVCY AK			Carbamidomethyl (C)[11]		Mascot

19	PREDICTED: MAM domain-containing glycosylphosphatidylinositol anchor protein 1-like, partial [Danio					gi 326673130	86011.6	8.77	12	36	0			
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Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
973.4777	973.5176	0.0399	41	347	353	VNYTWYK				Mascot
996.4567	996.6018	0.1451	146	731	738	ICGFTQDR			Carbamidomethyl (C)[2]	Mascot
1022.4571	1022.5009	0.0438	43	323	331	DSESIQMGR				Mascot
1058.5048	1058.5569	0.0521	49	137	146	CTVNSNPPAR				Mascot
1115.5262	1115.5195	-0.0067	-6	137	146	CTVNSNPPAR			Carbamidomethyl (C)[1]	Mascot
1317.7083	1317.7367	0.0284	22	32	43	EGDTLVQLCLVK				Mascot
1317.7083	1317.7367	0.0284	22	32	43	EGDTLVQLCLVK				Mascot
1451.6947	1451.7589	0.0642	44	200	212	NVCGIPDSSVTFR			Carbamidomethyl (C)[3]	Mascot
1477.7579	1477.7069	-0.051	-35	493	505	CQTAPYNGLNIR				Mascot
1625.8182	1625.8036	-0.0146	-9	544	556	SNPNRIVSAYWYR				Mascot
1642.8257	1642.8677	0.042	26	86	100	YYCKAENGVGVAIK			Carbamidomethyl (C)[3]	Mascot
1661.7588	1661.7815	0.0227	14	576	589	FKLDTTNGTYEGR				Mascot
1665.7247	1665.9108	0.1861	112	461	474	DLPMPSGDWMVETR			Oxidation (M)[4,10]	Mascot
1730.8972	1730.9097	0.0125	7	147	160	FIWQRANPIEQSK				Mascot
20	PREDICTED: hypothetical protein LOC100149379 [Danio rerio]			gi 326679369		173931.4	5.87	16	34	0 17 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
902.4941	902.5206	0.0265	29	678	685	EKADLQAK				Mascot
1045.5347	1045.5726	0.0379	36	1206	1214	ETILPCQ GK			Carbamidomethyl (C)[6]	Mascot
1058.6569	1058.5569	-0.1	-94	627	635	TQVTKLLQK				Mascot
1205.5327	1205.6255	0.0928	77	1141	1150	NQCDASNQIR	17	0	Carbamidomethyl (C)[3]	Mascot
1205.5327	1205.6255	0.0928	77	1141	1150	NQCDASNQIR			Carbamidomethyl (C)[3]	Mascot
1252.6685	1252.7349	0.0664	53	1359	1368	IKEGLQFDFR				Mascot
1262.5681	1262.684	0.1159	92	407	416	LEQMVEENDR				Mascot
1317.6719	1317.7367	0.0648	49	1315	1325	MPDKLLQSEEK				Mascot
1317.6719	1317.7367	0.0648	49	1315	1325	MPDKLLQSEEK				Mascot
1332.7378	1332.71	-0.0278	-21	632	642	LLQKINDMVMK				Mascot
1434.6642	1434.7333	0.0691	48	407	417	LEQMVEENDRR			Oxidation (M)[4]	Mascot
1434.6642	1434.7333	0.0691	48	407	417	LEQMVEENDRR			Oxidation (M)[4]	Mascot
1451.7238	1451.7589	0.0351	24	830	842	HETGQNPKLEGNK				Mascot
1563.6454	1563.7495	0.1041	67	1346	1358	ECGQIYESWSSMK			Oxidation (M)[12]	Mascot

	1563.6454	1563.7495	0.1041	67	1346	1358	ECGQIYESWSSMK		Oxidation (M)[12]	Mascot	
	1661.7186	1661.7815	0.0629	38	1282	1294	WIMNMLDDFTSEK		Oxidation (M)[3,5]	Mascot	
	1912.995	1912.9994	0.0044	2	391	406	HHYLELNTQVSMVLTK			Mascot	
	2028.072	2028.0717	-0.0003	0	1319	1335	LLQSEEKLNNISEQINR			Mascot	
	2071.0164	2071.0205	0.0041	2	1464	1481	AQMNSIDYFLVVDTEGLR			Mascot	
	2087.0112	2087.0176	0.0064	3	1464	1481	AQMNSIDYFLVVDTEGLR		Oxidation (M)[3]	Mascot	
	2297.3149	2297.1531	-0.1618	-70	294	313	LITLVELPALTLSSQKEEM R			Mascot	
21	novel protein similar to vertebrate protein kinase C, theta (PRKCQ) [Danio rerio]				gij55962227		81064.5	7.59	14	34	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.546	0.0679	80	31	37	GQVYKQK					Mascot
940.492	940.5209	0.0289	31	386	394	MLGKGSFGK			Oxidation (M)[1]		Mascot
1024.6084	1024.5231	-0.0853	-83	56	64	GRVMHVVVK					Mascot
1045.5789	1045.5726	-0.0063	-6	614	621	LFVREPER					Mascot
1252.7048	1252.7349	0.0301	24	402	413	GSGQFFAVKALK					Mascot
1359.5238	1359.6603	0.1365	100	257	267	CEECGMNVHHK			Carbamidomethyl (C)[1], Oxidation (M)[6]		Mascot
1380.7004	1380.6865	-0.0139	-10	24	35	EAVETEKQVYK					Mascot
1661.6652	1661.7815	0.1163	70	257	270	CEECGMNVHHKCQK			Oxidation (M)[6]		Mascot
1665.9032	1665.9108	0.0076	5	376	389	FTIDSFILHKMLGK			Oxidation (M)[11]		Mascot
1727.8322	1727.8621	0.0299	17	173	186	EFVWGLNKQGYQCR					Mascot
1727.8322	1727.8621	0.0299	17	173	186	EFVWGLNKQGYQCR					Mascot
1785.7828	1785.9579	0.1751	98	253	267	QGLKCEECGMNVHHK			Carbamidomethyl (C)[5], Oxidation (M)[10]		Mascot
1925.829	1925.9102	0.0812	42	415	430	DVVLMDDDVECTMVER			Carbamidomethyl (C)[11]		Mascot
2028.0259	2028.0717	0.0458	23	482	499	STFYAAEICGLQLHSK					Mascot
2284.0989	2284.197	0.0981	43	537	556	TCTFCGTPDYIAPELLGQ K			Carbamidomethyl (C)[2,5]		Mascot

22	PREDICTED: catenin alpha-1-like [Danio rerio]				gi 326679802	78904.3	5.52	10	34	0		
Peptide Information												
Calc. Mass		Obsrv. Mass		± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1205.6637		1205.6255		-0.0382	-32	617	626	LVYDGVRDIR	12	0		Mascot
1205.6637		1205.6255		-0.0382	-32	617	626	LVYDGVRDIR				Mascot
1231.6165		1231.6849		0.0684	56	88	98	EELTAAVEDVR				Mascot
1332.6754		1332.71		0.0346	26	359	370	EKSDALNTAIDR				Mascot

	1359.7114	1359.6603	-0.0511	-38	88	99	EELTAAVEDVRK								Mascot
	1451.7158	1451.7589	0.0431	30	361	373	SDALNTAIDRMTK						Oxidation (M)[11]		Mascot
	1691.8711	1691.8334	-0.0377	-22	164	178	VRNAGTEQDLGIQYK								Mascot
	1730.8741	1730.9097	0.0356	21	526	540	CVIALQEKDVDGLDR						Carbamidomethyl (C)[1]		Mascot
	1909.9436	1909.9108	-0.0328	-17	342	358	QALQDLLSEYMGNAGRK						Oxidation (M)[11]		Mascot
	2071.0818	2071.0205	-0.0613	-30	57	75	KAHVLAASVDEATQNFLE K								Mascot
	2211.0381	2211.1277	0.0896	41	309	329	LESIISGAALMADSSCTR DDR								Mascot
	2211.0381	2211.1277	0.0896	41	309	329	LESIISGAALMADSSCTR DDR								Mascot
	2284.0544	2284.197	0.1426	62	309	329	LESIISGAALMADSSCTR DDR						Carbamidomethyl (C)[16], Oxidation (M)[11]		Mascot
23	lactosylceramide alpha-2,3-sialyltransferase [Danio rerio]					gi 117606180	41829.7	9.18	10	33	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.5101	973.5176	0.0075	8	226	233	TPVSLWDR					Mascot
1022.4836	1022.5009	0.0173	17	66	73	ECRPSFAR			Carbamidomethyl (C)[2]		Mascot
1041.438	1041.5912	0.1532	147	187	195	MSYPESCPK					Mascot
1058.6027	1058.5569	-0.0458	-43	140	150	CVVVGNGGILK					Mascot
1115.624	1115.5195	-0.1045	-94	140	150	CVVVGNGGILK			Carbamidomethyl (C)[1]		Mascot
1332.7383	1332.71	-0.0283	-21	55	65	VHSHVREILDK					Mascot
1380.6287	1380.6865	0.0578	42	4	14	VMKQSSCYFSK			Carbamidomethyl (C)[7], Oxidation (M)[2]		Mascot
1563.7948	1563.7495	-0.0453	-29	61	73	EILDKECRPSFAR					Mascot
1563.7948	1563.7495	-0.0453	-29	61	73	EILDKECRPSFAR					Mascot
1691.8978	1691.8334	-0.0644	-38	234	247	LFFWQNVPMSPVPK					Mascot
1910.1105	1909.9108	-0.1997	-105	16	32	TMILLLSLALMSLAFLK			Oxidation (M)[2,11]		Mascot
2297.01	2297.1531	0.1431	62	187	205	MSYPESCPKVWEDTPD LK			Carbamidomethyl (C)[7]		Mascot

24 PREDICTED: ephrin type-A receptor 7-like [Danio rerio] gi|292629941 40322.6 8.74 8 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
902.5128	902.5206	0.0078	9	13	20	GCLKLPSK			Carbamidomethyl (C)[2]		Mascot
1055.5415	1055.606	0.0645	61	350	358	AQVIQMHGR			Oxidation (M)[6]		Mascot
1055.5415	1055.606	0.0645	61	350	358	AQVIQMHGR			Oxidation (M)[6]		Mascot
1359.6975	1359.6603	-0.0372	-27	258	270	SPDNIGSSTLGRR					Mascot

1581.9144	1581.8031	-0.1113	-70	122	136	LAAHKVLVNSSLVCK							Mascot
2070.959	2071.0205	0.0615	30	304	321	YKDNFTAAGYCYLESVA R							Mascot
2283.2012	2283.2014	0.0002	0	89	110	HEGQLTVLQLADLLSGVA SGMK			Oxidation (M)[21]				Mascot
2284.1133	2284.197	0.0837	37	67	87	GNTMMIVVESMVNGALD SFLR							Mascot
3249.6006	3249.4709	-0.1297	-40	210	237	AIEDGFRLPAPLNCPPSL HQLMLDCWQK			Carbamidomethyl (C)[14]				Mascot
3249.6006	3249.4709	-0.1297	-40	210	237	AIEDGFRLPAPLNCPPSL HQLMLDCWQK			Carbamidomethyl (C)[14]				Mascot
25	PREDICTED: zinc finger protein 484-like [Danio rerio] gi 326680627 46462.1 9.69 11 33 0												

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1022.4472	1022.5009	0.0537	53	209	216	STFNNHMR			Oxidation (M)[7]		Mascot
1058.4142	1058.5569	0.1427	135	2	10	CNFSSNQCR					Mascot
1115.4972	1115.5195	0.0223	20	298	306	HMMIHTGEK			Oxidation (M)[2,3]		Mascot
1155.5792	1155.6981	0.1189	103	316	324	SFERNFDLK					Mascot
1205.4496	1205.6255	0.1759	146	1	10	MCNFSSNQCR			Oxidation (M)[1]		Mascot
1205.4496	1205.6255	0.1759	146	1	10	MCNFSSNQCR			Oxidation (M)[1]		Mascot
1317.5497	1317.7367	0.187	142	1	11	MCNFSSNQCRK					Mascot
1317.5497	1317.7367	0.187	142	1	11	MCNFSSNQCRK					Mascot
1661.8138	1661.7815	-0.0323	-19	273	287	IHTGEKPFICTQCQK					Mascot
1691.7628	1691.8334	0.0706	42	217	231	THTGEKPFACAQCQK			Carbamidomethyl (C)[10,13]		Mascot
2070.9331	2071.0205	0.0874	42	375	393	SSHLNEHLQCGMSSSVP NK			Oxidation (M)[12]		Mascot
2210.9814	2211.1277	0.1463	66	298	315	HMMIHTGEKQFTCTLCG K			Carbamidomethyl (C)[13,16], Oxidation (M)[2,3]		Mascot
2210.9814	2211.1277	0.1463	66	298	315	HMMIHTGEKQFTCTLCG K			Carbamidomethyl (C)[13,16], Oxidation (M)[2,3]		Mascot
2283.0063	2283.2014	0.1951	85	58	76	CQQCGKSFTQNSNLEVH MR			Carbamidomethyl (C)[1], Oxidation (M)[18]		Mascot

26 novel protein similar to bloodthirsty (bty) [Danio rerio] gi|148725963 63618.3 5.75 11 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1146.6517	1146.6381	-0.0136	-12	362	370	ITQTELKWK					Mascot
1661.6604	1661.7815	0.1211	73	179	191	DDQTCVCSFCIEK			Carbamidomethyl (C)[5,7,10]		Mascot
1677.7617	1677.6991	-0.0626	-37	522	535	LYPYFSPCPNYEGK					Mascot
1677.8782	1677.6991	-0.1791	-107	457	471	ITLTPGNGFCTVWLR					Mascot
1909.9147	1909.9108	-0.0039	-2	154	168	LMDPVRNLEDYICQK			Carbamidomethyl (C)[13], Oxidation (M)[2]		Mascot

	2027.8732	2028.0717	0.1985	98	127	142	SCLVCQSSYCQTHLER		Carbamidomethyl (C)[2,5,10]	Mascot	
	2071.0818	2071.0205	-0.0613	-30	332	348	NWPEISLKTQENLETLR			Mascot	
	2225.0247	2225.1377	0.113	51	261	278	AIERCQTELLEMEEQQ K		Oxidation (M)[12]	Mascot	
	2283.0679	2283.2014	0.1335	58	124	142	ALKSCLVCQSSYCQTHL ER		Carbamidomethyl (C)[5,8]	Mascot	
	2283.9038	2284.197	0.2932	128	66	83	CWNNSTCSCPYCKETF R		Carbamidomethyl (C)[1,8]	Mascot	
	3249.377	3249.4709	0.0939	29	179	206	DDQTCVCSFCIEKDHEN HNTVPLEEESK			Mascot	
	3249.377	3249.4709	0.0939	29	179	206	DDQTCVCSFCIEKDHEN HNTVPLEEESK			Mascot	
27	PREDICTED: hypothetical protein LOC100148510 [Danio rerio]					gi 326667766	309668.8	6.59	20	33	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5093	842.5159	0.0066	8	135	142	VVIGIADR					Mascot
850.4417	850.546	0.1043	123	338	344	FLANTER					Mascot
883.4784	883.4474	-0.031	-35	1527	1533	LHSHYVK					Mascot
902.4941	902.5206	0.0265	29	427	433	VEKELER					Mascot
996.6564	996.6018	-0.0546	-55	1597	1605	LGSLLPKIR					Mascot
1115.6167	1115.5195	-0.0972	-87	321	331	TSINVRSPGGK					Mascot
1146.5823	1146.6381	0.0558	49	967	977	IAADLCELNGK					Mascot
1155.6554	1155.6981	0.0427	37	549	558	EMSKLLIGHK					Mascot
1165.6285	1165.7517	0.1232	106	2054	2062	QLEMFKELK					Mascot
1205.6484	1205.6255	-0.0229	-19	2671	2681	TVSDSSKIVNR	14		0		Mascot
1205.6484	1205.6255	-0.0229	-19	2671	2681	TVSDSSKIVNR					Mascot
1252.566	1252.7349	0.1689	135	368	378	STACEMDLVQR					Mascot
1309.5875	1309.6219	0.0344	26	368	378	STACEMDLVQR			Carbamidomethyl (C)[4]		Mascot
1332.6715	1332.71	0.0385	29	148	158	LQMEPELTLDK			Oxidation (M)[3]		Mascot
1359.6573	1359.6603	0.003	2	1716	1727	SGFTSDIKTTMR			Oxidation (M)[11]		Mascot
1434.7443	1434.7333	-0.011	-8	1735	1746	NLMESKICKPAK			Carbamidomethyl (C)[8], Oxidation (M)[3]		Mascot
1434.7443	1434.7333	-0.011	-8	1735	1746	NLMESKICKPAK			Carbamidomethyl (C)[8], Oxidation (M)[3]		Mascot
1448.6863	1448.757	0.0707	49	1431	1443	EASLVEDQSTVDR					Mascot
1581.7504	1581.8031	0.0527	33	573	586	DQNEHDENLGAVLK					Mascot
1677.7941	1677.6991	-0.095	-57	2392	2406	CSYGSHSSTFLVVYK					Mascot
1677.7941	1677.6991	-0.095	-57	2392	2406	CSYGSHSSTFLVVYK					Mascot
1785.9528	1785.9579	0.0051	3	1083	1100	ATPVVATGLSPAQLMTG R			Oxidation (M)[15]		Mascot
2027.9919	2028.0717	0.0798	39	2481	2498	TSGDEVFLTGLRPDTEYK					Mascot

2284.26592284.197-0.0689-309891008

DIEIAHLQTLSSFNVISRLK

Mascot

28

PREDICTED: tetratricopeptide repeat protein 17 [Danio rerio]

gi|326669568133164.15.9614320

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1279.6865	1279.7827	0.0962	75	348	357	LEQRLEAQHR					Mascot
1309.647	1309.6219	-0.0251	-19	1083	1093	QALNYAPHHMK					Mascot
1317.6545	1317.7367	0.0822	62	1013	1024	GGIHYTGESQLR					Mascot
1317.6545	1317.7367	0.0822	62	1013	1024	GGIHYTGESQLR					Mascot
1434.5768	1434.7333	0.1565	109	816	827	AEGGEEEEQDWR					Mascot
1434.5768	1434.7333	0.1565	109	816	827	AEGGEEEEQDWR					Mascot
1448.6984	1448.757	0.0586	40	553	565	MPDCSLKNVVGNR			Oxidation (M)[1]		Mascot
1451.7787	1451.7589	-0.0198	-14	265	277	DVALVNMANVLHR					Mascot
1625.7917	1625.8036	0.0119	7	1033	1046	DKFPSQSFEQVGTR					Mascot
1661.9109	1661.7815	-0.1294	-78	954	969	VDLTTVASTWLAVSAK					Mascot
1860.9861	1860.8818	-0.1043	-56	262	277	QHKDVALVNMANVLHR			Oxidation (M)[10]		Mascot
1912.9375	1912.9994	0.0619	32	1054	1069	NQTSWVLSSMAALYWR					Mascot
2233.1111	2233.1084	-0.0027	-1	1147	1165	AMHWYESTLKLQPEFGP AK					Mascot
2284.1472	2284.197	0.0498	22	711	730	QALSLSVHCGQCRASLP LMR			Carbamidomethyl (C)[9,12]		Mascot
2354.2258	2354.2368	0.011	5	630	651	GNGTQALVCLRQALHSA PPQHR					Mascot
3249.6111	3249.4709	-0.1402	-43	1119	1146	MAVEIAPHFVVNHFTLAN VYIAMEEFEK					Mascot
3249.6111	3249.4709	-0.1402	-43	1119	1146	MAVEIAPHFVVNHFTLAN VYIAMEEFEK					Mascot

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PREDICTED: LAG1 longevity assurance homolog 2-like [Danio rerio]

gi|6844026545162.18.578320

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1115.5455	1115.5195	-0.026	-23	251	258	MFNYARWK					Mascot
1205.6273	1205.6255	-0.0018	-1	103	112	LSKQTGWTER					Mascot
1205.6273	1205.6255	-0.0018	-1	103	112	LSKQTGWTER					Mascot
1317.7008	1317.7367	0.0359	27	94	105	NPTQSSVEKLSK					Mascot
1317.7008	1317.7367	0.0359	27	94	105	NPTQSSVEKLSK					Mascot
1448.7532	1448.757	0.0038	3	2	13	LAGLSELFQWER					Mascot
1581.6287	1581.8031	0.1744	110	345	357	DETDESEEEEEELK					Mascot

1727.7831	1727.8621	0.079	46	330	344	FLSSNSSVEDERSDR	Mascot
1727.7831	1727.8621	0.079	46	330	344	FLSSNSSVEDERSDR	Mascot
1925.8961	1925.9102	0.0141	7	364	381	KGAAQNGHATYNNHNS K	Mascot
2027.8914	2028.0717	0.1803	89	365	383	NGAAQNGHATYNNHNSK TE	Mascot

30 Zgc:173726 protein [Danio rerio] gi|160774356 52871.3 8.07 11 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1022.5126	1022.5009	-0.0117	-11	407	414	NHERHTK					Mascot
1045.6516	1045.5726	-0.079	-76	399	406	FRQLQILK					Mascot
1058.4281	1058.5569	0.1288	122	244	252	EFVCSECGK			Carbamidomethyl (C)[4]		Mascot
1115.4496	1115.5195	0.0699	63	244	252	EFVCSECGK			Carbamidomethyl (C)[4,7]		Mascot
1252.7412	1252.7349	-0.0063	-5	141	150	TFIKPSYLKR					Mascot
1332.653	1332.71	0.057	43	11	21	QEETEELIDVK					Mascot
1451.6021	1451.7589	0.1568	108	22	33	QSEELSEDEEK					Mascot
1625.8217	1625.8036	-0.0181	-11	318	330	LHQMIHTGERPYK			Oxidation (M)[4]		Mascot
1677.736	1677.6991	-0.0369	-22	244	258	EFVCSECGKSFNTAR					Mascot
1677.736	1677.6991	-0.0369	-22	244	258	EFVCSECGKSFNTAR					Mascot
1798.8615	1798.9722	0.1107	62	275	289	CSHCDSFIYLNK					Mascot
1798.8615	1798.9722	0.1107	62	275	289	CSHCDSFIYLNK					Mascot
1912.9044	1912.9994	0.095	50	275	289	CSHCDSFIYLNK			Carbamidomethyl (C)[1,4]		Mascot
2086.9895	2087.0176	0.0281	13	122	140	VYQSVQAEVKSNSCLC GK			Carbamidomethyl (C)[14]		Mascot
2283.0579	2283.2014	0.1435	63	318	336	LHQMIHTGERPYKCSHC DK					Mascot

31 hypothetical protein LOC798684 [Danio rerio] gi|192455690 14330.4 9.37 5 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1581.7512	1581.8031	0.0519	33	2	16	ATMVYQVQAPACGAR			Oxidation (M)[3]		Mascot
1785.808	1785.9579	0.1499	84	1	16	MATMVYQVQAPACGAR			Carbamidomethyl (C)[13], Oxidation (M)[1,4]		Mascot
1925.9677	1925.9102	-0.0575	-30	111	127	LCDLQVEPGATFITYQK					Mascot
2233.0786	2233.1084	0.0298	13	1	20	MATMVYQVQAPACGAR QHVR			Oxidation (M)[1]		Mascot
2337.1001	2337.2498	0.1497	64	111	131	LCDLQVEPGATFITYQKC HGG			Carbamidomethyl (C)[2]		Mascot

32 protein kinase C, theta [Danio rerio] gi|269315875 81814.9 8.06 14 32 0

Peptide Information															
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type				
850.4781	850.546	0.0679	80	42	48	GQVYKQK					Mascot				
940.492	940.5209	0.0289	31	391	399	MLGKGSFGK			Oxidation (M)[1]		Mascot				
1024.6084	1024.5231	-0.0853	-83	67	75	GRVMHVVVK					Mascot				
1045.5789	1045.5726	-0.0063	-6	619	626	LFVREPER					Mascot				
1252.7048	1252.7349	0.0301	24	407	418	GSGQFFAVKALK					Mascot				
1359.5238	1359.6603	0.1365	100	262	272	CEECGMNVHHK			Carbamidomethyl (C)[1], Oxidation (M)[6]		Mascot				
1380.7004	1380.6865	-0.0139	-10	35	46	EAVETEKQVYK					Mascot				
1661.6652	1661.7815	0.1163	70	262	275	CEECGMNVHHKCQK			Oxidation (M)[6]		Mascot				
1665.9032	1665.9108	0.0076	5	381	394	FTIDSFILHKMLGK			Oxidation (M)[11]		Mascot				
1727.8322	1727.8621	0.0299	17	178	191	EFVWGLNKQGYQCR					Mascot				
1727.8322	1727.8621	0.0299	17	178	191	EFVWGLNKQGYQCR					Mascot				
1785.7828	1785.9579	0.1751	98	258	272	QGLKCEECGMNVHHK			Carbamidomethyl (C)[5], Oxidation (M)[10]		Mascot				
1925.829	1925.9102	0.0812	42	420	435	DVVLMDDDVECTMVER			Carbamidomethyl (C)[11]		Mascot				
2028.0259	2028.0717	0.0458	23	487	504	STFYAAEIIICGLQLHISK					Mascot				
2284.0989	2284.197	0.0981	43	542	561	TCTFCGTPDYIAPEILLGQK			Carbamidomethyl (C)[2,5]		Mascot				

33 Wu:fo94f09 protein [Danio rerio] gi|92096553 74291.7 8.89 11 32 0

Peptide Information													Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification					
973.4117	973.5176	0.1059	109	347	355	CDLCSFASK							Mascot	
1146.6742	1146.6381	-0.0361	-31	273	282	ANLKSHVHLK							Mascot	
1205.5004	1205.6255	0.1251	104	283	293	HSASDSFHCSK							Mascot	
1205.5004	1205.6255	0.1251	104	283	293	HSASDSFHCSK							Mascot	
1262.5219	1262.684	0.1621	128	283	293	HSASDSFHCSK				Carbamidomethyl (C)[9]			Mascot	
1434.5632	1434.7333	0.1701	119	262	272	CDLCDYRCAMK				Carbamidomethyl (C)[1,4]			Mascot	
1434.5632	1434.7333	0.1701	119	262	272	CDLCDYRCAMK				Carbamidomethyl (C)[1,4]			Mascot	
1451.6794	1451.7589	0.0795	55	79	92	NAGASESLQTCVSK				Carbamidomethyl (C)[11]			Mascot	
1625.7072	1625.8036	0.0964	59	595	609	ESLNIDGSSSQDMSR							Mascot	
1642.7788	1642.8677	0.0889	54	65	78	QNCCQIPSTHISVR				Carbamidomethyl (C)[3]			Mascot	
1912.868	1912.9994	0.1314	69	253	268	VHSGEKPYKCDLCDYR							Mascot	
2210.9263	2211.1277	0.2014	91	310	329	QHQAQPLQCSECSYSC SSK							Mascot	
2210.9263	2211.1277	0.2014	91	310	329	QHQAQPLQCSECSYSC SSK							Mascot	

	2233.0964	2233.1084	0.012	5	206	224	CQICPYASRNSSLTVHLR				Carbamidomethyl (C)[1]	Mascot
	2283.0798	2283.2014	0.1216	53	197	214	IHYDERPFKCQICPYASR				Carbamidomethyl (C)[10]	Mascot
34	junctophilin 1b [Danio rerio]				gi 113195560		73661.8	9.34	9	32	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4682	850.546	0.0778	91	78	83	GRWLVR					Mascot
1055.5918	1055.606	0.0142	13	600	609	APTPKPVMAK			Oxidation (M)[8]		Mascot
1055.6095	1055.606	-0.0035	-3	610	618	ESKPEPKLK					Mascot
1115.603	1115.5195	-0.0835	-75	591	599	MPPPVKQYR					Mascot
1205.7001	1205.6255	-0.0746	-62	213	223	GSLFGSLKQLR	7	0			Mascot
1205.7001	1205.6255	-0.0746	-62	213	223	GSLFGSLKQLR					Mascot
1262.6277	1262.684	0.0563	45	447	457	SPSGSPHFYRK					Mascot
1642.7101	1642.8677	0.1576	96	314	327	RHGYGCTMFPDGTK			Carbamidomethyl (C)[6], Oxidation (M)[8]		Mascot
1727.8387	1727.8621	0.0234	14	412	426	DLSPNFHQPGPDYIK					Mascot
1727.8387	1727.8621	0.0234	14	412	426	DLSPNFHQPGPDYIK					Mascot
1909.7333	1909.9108	0.1775	93	6	22	FD FDDGGTFCGGWEDGK			Carbamidomethyl (C)[10]		Mascot

35	tektin 2 [Danio rerio]				gi 37682089		48740.9	5.63	8	31	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.5789	1045.5726	-0.0063	-6	68	75	INDITRWK					Mascot
1115.5691	1115.5195	-0.0496	-44	140	149	EVEVIDGAQR					Mascot
1798.9657	1798.9722	0.0065	4	168	182	LQEARQQLTIDLQDK					Mascot
1798.9657	1798.9722	0.0065	4	168	182	LQEARQQLTIDLQDK					Mascot
1909.8518	1909.9108	0.059	31	80	96	ACAQEVDEEMDALTLISK			Carbamidomethyl (C)[2]		Mascot
1925.8467	1925.9102	0.0635	33	80	96	ACAQEVDEEMDALTLISK			Carbamidomethyl (C)[2], Oxidation (M)[10]		Mascot
2070.9199	2071.0205	0.1006	49	272	287	THHEEQAHHDMQWQLK			Oxidation (M)[11]		Mascot
2211.0261	2211.1277	0.1016	46	271	287	RTHHEEQAHHDMQWQLK					Mascot
2211.0261	2211.1277	0.1016	46	271	287	RTHHEEQAHHDMQWQLK					Mascot
2283.1365	2283.2014	0.0649	28	2	22	ATLSSKPASRYSVSDWATNNK					Mascot
2396.2966	2396.2654	-0.0312	-13	102	123	ALAATVLPLEVTAECNLNREGR			Carbamidomethyl (C)[15]		Mascot

36	Ect2 protein [Danio rerio]				gi 66911847		109863.5	8.59	14	31	0	
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Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
940.404	940.5209	0.1169	124	816	823	DMDSTLSR			Oxidation (M)[2]		Mascot
973.4995	973.5176	0.0181	19	562	568	CERQKPR			Carbamidomethyl (C)[1]		Mascot
1231.5624	1231.6849	0.1225	99	631	640	EVMTHINEDK			Oxidation (M)[3]		Mascot
1317.6831	1317.7367	0.0536	41	1	13	MADSSILTLGPGR					Mascot
1317.6831	1317.7367	0.0536	41	1	13	MADSSILTLGPGR					Mascot
1380.7052	1380.6865	-0.0187	-14	953	964	CRDLLAPPEPGR			Carbamidomethyl (C)[1]		Mascot
1434.7303	1434.7333	0.003	2	784	795	TLCRQVANTICR			Carbamidomethyl (C)[3]		Mascot
1434.7303	1434.7333	0.003	2	784	795	TLCRQVANTICR			Carbamidomethyl (C)[3]		Mascot
1448.7969	1448.757	-0.0399	-28	217	229	VTHLIARSTHGEK					Mascot
1563.6924	1563.7495	0.0571	37	871	884	MSRMSSSSTLAMSR			Oxidation (M)[1,4]		Mascot
1563.6924	1563.7495	0.0571	37	871	884	MSRMSSSSTLAMSR			Oxidation (M)[1,4]		Mascot
1625.7588	1625.8036	0.0448	28	920	934	TPCSPERADEPAAPK			Carbamidomethyl (C)[3]		Mascot
1691.8706	1691.8334	-0.0372	-22	54	68	VVLVGAECKMAELEK			Carbamidomethyl (C)[8], Oxidation (M)[10]		Mascot
1785.9391	1785.9579	0.0188	11	232	247	LAVCMGTPILTPDWIR					Mascot
2337.1426	2337.2498	0.1072	46	874	896	MSSSSTLAMSR SASTFSL TGSIK					Mascot
2677.4929	2677.1145	-0.3784	-141	575	597	INQSKPECGRQTLVELLI RPVQR					Mascot
3249.6257	3249.4709	-0.1548	-48	163	190	GEPLPFSSRP LYSMTML NLSLCFTGFRK			Carbamidomethyl (C)[22]		Mascot
3249.6257	3249.4709	-0.1548	-48	163	190	GEPLPFSSRP LYSMTML NLSLCFTGFRK			Carbamidomethyl (C)[22]		Mascot
37	novel protein similar to TNF receptor-associated factor 5 (TRAF5) [Danio rerio]				gi 94732880	29458.8	6.45	8	31	0	

Peptide Information													
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type		
1024.5105	1024.5231	0.0126	12	127	134	ACPHERVR			Carbamidomethyl (C)[2]		Mascot		
1055.4939	1055.606	0.1121	106	222	230	NYGCTVRDK					Mascot		
1055.4939	1055.606	0.1121	106	222	230	NYGCTVRDK					Mascot		
1317.662	1317.7367	0.0747	57	116	126	FSLCNLQDHLK					Mascot		
1317.662	1317.7367	0.0747	57	116	126	FSLCNLQDHLK					Mascot		
1380.606	1380.6865	0.0805	58	1	13	MAAEENESSGLSR					Mascot		
1448.6256	1448.757	0.1314	91	135	146	CSHSDCSDIVLR			Carbamidomethyl (C)[1,6]		Mascot		
1563.7042	1563.7495	0.0453	29	169	181	QNFPVSQMMGHQK			Oxidation (M)[8,9]		Mascot		
1563.7042	1563.7495	0.0453	29	169	181	QNFPVSQMMGHQK			Oxidation (M)[8,9]		Mascot		

	2070.8599	2071.0205	0.1606	78	182	200	SSCPDVEVPCSNCTQM IK					Oxidation (M)[17]	Mascot
	2210.9661	2211.1277	0.1616	73	182	201	SSCPDVEVPCSNCTQM IKR						Mascot
	2210.9661	2211.1277	0.1616	73	182	201	SSCPDVEVPCSNCTQM IKR						Mascot
	2283.9824	2284.197	0.2146	94	182	201	SSCPDVEVPCSNCTQM IKR					Carbamidomethyl (C)[3], Oxidation (M)[17]	Mascot
38	Si:ch211-154o6.7 protein [Danio rerio]				gi 92097789		59687.2	8.6	10	31	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	902.5054	902.5206	0.0152	17	18	25	AQNTVLTR						Mascot
	1055.4648	1055.606	0.1412	134	294	302	GFPMTNNMK				Oxidation (M)[4]		Mascot
	1055.4648	1055.606	0.1412	134	294	302	GFPMTNNMK				Oxidation (M)[4]		Mascot
	1058.6066	1058.5569	-0.0497	-47	18	26	AQNTVLTRR						Mascot
	1661.897	1661.7815	-0.1155	-69	12	25	ENIQFKAQNTVLTR						Mascot
	1665.874	1665.9108	0.0368	22	305	319	AGVKPSNTQYMSRVK						Mascot
	1677.8339	1677.6991	-0.1348	-80	491	506	QPCCVSLVPGVYLDGK						Mascot
	1677.8339	1677.6991	-0.1348	-80	491	506	QPCCVSLVPGVYLDGK						Mascot
	1691.8785	1691.8334	-0.0451	-27	455	468	EKPQKIGLYLDCER						Mascot
	1909.8163	1909.9108	0.0945	49	125	140	LADMEKMLMCSEHDEK						Mascot
	1925.8112	1925.9102	0.099	51	125	140	LADMEKMLMCSEHDEK				Oxidation (M)[4]		Mascot
	2677.115	2677.1145	-0.0005	0	40	61	CSVCLSDFTDPVTLSCEH SFCR				Carbamidomethyl (C)[1,4,16,21]		Mascot
	3249.4795	3249.4709	-0.0086	-3	62	90	QCITGHMQASLGPSACP ECQKPYNEKDLK				Carbamidomethyl (C)[2], Oxidation (M)[7]		Mascot
	3249.4795	3249.4709	-0.0086	-3	62	90	QCITGHMQASLGPSACP ECQKPYNEKDLK				Carbamidomethyl (C)[2], Oxidation (M)[7]		Mascot

39 novel protein [Danio rerio] gi|56208048 32038.8 9.45 7 31 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1155.5793	1155.6981	0.1188	103	126	135	DKFTFTGSR						Mascot
	1252.6644	1252.7349	0.0705	56	91	101	IPVRDPDSPTR						Mascot
	1309.6429	1309.6219	-0.021	-16	275	286	VNQGSFGCSRVR						Mascot
	1380.6471	1380.6865	0.0394	29	232	242	CQRTTACSLQR				Carbamidomethyl (C)[1,7]		Mascot
	1448.705	1448.757	0.052	36	31	43	SSNKPDENMISVK						Mascot
	1677.7351	1677.6991	-0.036	-21	2	17	TGDDFQPNPSGTAEK						Mascot
	1677.7351	1677.6991	-0.036	-21	2	17	TGDDFQPNPSGTAEK						Mascot
	1909.9324	1909.9108	-0.0216	-11	31	47	SSNKPDENMISVKAFDK						Mascot

	1925.9272	1925.9102	-0.017	-9	31	47	SSNKPDENMISVKAFDK					Oxidation (M)[9]	Mascot
40	piwi-like protein 2 [Danio rerio]				gi 124286793	116155.3	8.99	13	31	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
902.4689	902.5206	0.0517	57	715	721	VELRDDR					Mascot
1205.6346	1205.6255	-0.0091	-8	55	65	AFSVLGEMPVR					Mascot
1205.6346	1205.6255	-0.0091	-8	55	65	AFSVLGEMPVR					Mascot
1317.6686	1317.7367	0.0681	52	502	512	IDDIEWSKSPK					Mascot
1317.6686	1317.7367	0.0681	52	502	512	IDDIEWSKSPK					Mascot
1332.7126	1332.71	-0.0026	-2	739	750	VQLVVCIMTGNR					Mascot
1434.7522	1434.7333	-0.0189	-13	53	65	GRAFSVLGEMPVR			Oxidation (M)[10]		Mascot
1434.7522	1434.7333	-0.0189	-13	53	65	GRAFSVLGEMPVR			Oxidation (M)[10]		Mascot
1581.8206	1581.8031	-0.0175	-11	55	68	AFSVLGEMPVRFRGR			Oxidation (M)[8]		Mascot
1661.839	1661.7815	-0.0575	-35	294	309	GSPIPIGSNYIPICCK					Mascot
1727.8931	1727.8621	-0.031	-18	760	775	LCCIQSPVPSQAINVR					Mascot
1727.8931	1727.8621	-0.031	-18	760	775	LCCIQSPVPSQAINVR					Mascot
1913.0095	1912.9994	-0.0101	-5	759	775	KLCCIQSPVPSQAINVR			Carbamidomethyl (C)[3]		Mascot
1926.059	1925.9102	-0.1488	-77	69	87	GITQSIAAEPLVGMARGV R					Mascot
2070.9656	2071.0205	0.0549	27	513	530	DTFTLADGSVTTFVDYYR					Mascot
2233.1646	2233.1084	-0.0562	-25	149	171	VGSPGTGSSLVSMFRGL GIEPGK					Mascot
2587.4238	2587.2673	-0.1565	-60	559	581	VITGEILLPELSFMTGIPE KMR					Mascot

41	PREDICTED: oocyte zinc finger protein XICOF6-like [Danio rerio]				gi 326680772	41201.6	9	9	31	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1563.7333	1563.7495	0.0162	10	102	114	SFNQSSNINLHMR			Oxidation (M)[12]		Mascot
1563.7333	1563.7495	0.0162	10	102	114	SFNQSSNINLHMR			Oxidation (M)[12]		Mascot
1625.6948	1625.8036	0.1088	67	298	310	SFYCSSHLNQHMR			Oxidation (M)[12]		Mascot
1661.8138	1661.7815	-0.0323	-19	227	241	IHTGEKPFICTQCGK					Mascot
1665.7723	1665.9108	0.1385	83	311	325	IHTGEKPYTCTQCGK					Mascot
1677.7836	1677.6991	-0.0845	-50	115	128	IHTGEKPFTCTQCR			Carbamidomethyl (C)[10]		Mascot
1677.7836	1677.6991	-0.0845	-50	115	128	IHTGEKPFTCTQCR			Carbamidomethyl (C)[10]		Mascot

	2233.0237	2233.1084	0.0847	38	270	288	SFNCSSQLNQHMRIHTG EK		Oxidation (M)[12]	Mascot
	2337.1873	2337.2498	0.0625	27	339	359	IHTGEKPAASVWEEFQQ LIGP			Mascot
	3249.4333	3249.4709	0.0376	12	186	213	SFSLSSSFNQHMRMHTG EKPFTCTQCGK		Carbamidomethyl (C)[23], Oxidation (M)[12]	Mascot
	3249.4775	3249.4709	-0.0066	-2	242	269	SFSYSSHLNHHMRIHTGE KPFTCTQCGK		Oxidation (M)[12]	Mascot
42	PREDICTED: protein G7c-like [Danio rerio]				gi 326665656	34821.8	8.47	7	31	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.6074	1045.5726	-0.0348	-33	111	119	NLIKGM EK					Mascot
1058.5629	1058.5569	-0.006	-6	294	302	FSIFSSKSR					Mascot
1115.5844	1115.5195	-0.0649	-58	291	300	GSRF SIFSSK					Mascot
1317.7018	1317.7367	0.0349	26	56	67	QLNPKTLAMACK					Mascot
1317.7018	1317.7367	0.0349	26	56	67	QLNPKTLAMACK					Mascot
1380.7594	1380.6865	-0.0729	-53	27	38	NHQDITSIALR					Mascot
1434.8175	1434.7333	-0.0842	-59	281	293	LVGLHQDKPKGSR					Mascot
1434.8175	1434.7333	-0.0842	-59	281	293	LVGLHQDKPKGSR					Mascot
1642.8547	1642.8677	0.013	8	46	60	NADGNFVTPKQLNPK					Mascot

43	PREDICTED: zinc finger protein 64 homolog, isoforms 1 and 2 [Danio rerio]				gi 292627186	71408.1	8.74	11	31	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
973.4117	973.5176	0.1059	109	323	331	CDLCSFASK					Mascot
1146.6742	1146.6381	-0.0361	-31	249	258	ANLKSHVHLK					Mascot
1205.5004	1205.6255	0.1251	104	259	269	HSASDSFHCSK					Mascot
1205.5004	1205.6255	0.1251	104	259	269	HSASDSFHCSK					Mascot
1262.5219	1262.684	0.1621	128	259	269	HSASDSFHCSK			Carbamidomethyl (C)[9]		Mascot
1434.5632	1434.7333	0.1701	119	238	248	CDLCDYRCAMK			Carbamidomethyl (C)[1,4]		Mascot
1434.5632	1434.7333	0.1701	119	238	248	CDLCDYRCAMK			Carbamidomethyl (C)[1,4]		Mascot
1451.6794	1451.7589	0.0795	55	55	68	NAGASESLQTCVSK			Carbamidomethyl (C)[11]		Mascot
1625.7072	1625.8036	0.0964	59	571	585	ESLNIDGSSSQDMSR					Mascot
1642.7788	1642.8677	0.0889	54	41	54	QNCCQIPSTHISVR			Carbamidomethyl (C)[3]		Mascot
1912.868	1912.9994	0.1314	69	229	244	VHSGEKPYKCDLCDYR					Mascot
2210.9263	2211.1277	0.2014	91	286	305	QHQAQPLQCSECSYSC SSK					Mascot

	2210.9263	2211.1277	0.2014	91	286	305	QHQPAPLQCSECSYSC SSK								Mascot
	2233.0964	2233.1084	0.012	5	182	200	CQICPYASRNSSLTVHL R						Carbamidomethyl (C)[1]		Mascot
	2283.0798	2283.2014	0.1216	53	173	190	IHYDERPFKCQICPYASR						Carbamidomethyl (C)[10]		Mascot
44	PREDICTED: insulin-like [Danio rerio]				gi 326666044		7864.3	10.45	4	30	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1309.6932	1309.6219	-0.0713	-54	62	72	IMIRNSATFLQ			Oxidation (M)[2]		Mascot
2071.1401	2071.0205	-0.1196	-58	27	44	RLCGIQLVEALLIVCGEK			Carbamidomethyl (C)[3,15]		Mascot
2297.228	2297.1531	-0.0749	-33	2	25	QGSGLLLSLCAGSLLT HSGAGGK			Carbamidomethyl (C)[11]		Mascot
2396.3079	2396.2654	-0.0425	-18	2	26	QGSGLLLSLCAGSLLT HSGAGGKR					Mascot

45	PREDICTED: hypothetical protein LOC565437 [Danio rerio]				gi 326673124		224597.9	4.83	1		21	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1205.5466	1205.6255	0.0789	65	894	903	DPKCEESEIR	21	0		2	Mascot

46	novel collagen protein [Danio rerio]				gi 169158763		111361.2	9.91	1		20	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1205.7001	1205.6255	-0.0746	-62	939	948	ELSLIQPHLR	20	0		3	Mascot

47	PREDICTED: hypothetical protein LOC560266 [Danio rerio]				gi 326676456		255155.6	8.69	1		20	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1205.5393	1205.6255	0.0862	72	414	423	EIRSEEDDGR	20	0		4	Mascot

48	Brd8 protein [Danio rerio]				gi 28277586		93582.2	4.71	1		19	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1205.5757	1205.6255	0.0498	41	839	849	QDTVEKDGGTR	19	0		5	Mascot

49 inositol hexaphosphate kinase 2 [Danio rerio] gi|77404257 48702.1 6.01 1 18 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1205.671	1205.6255	-0.0455	-38	208	217	YRVPCVLDLK	18	0		6	Mascot

50 PREDICTED: hypothetical protein LOC100320750 [Danio rerio] gi|292623710 15386.5 4.36 1 18 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1205.5831	1205.6255	0.0424	35	1	10	MDQSLDIDIR	18	0		7	Mascot

Gel Idx/Pos	176/H3	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	liver glycogen phosphorylase [Danio rerio]	gi 56606106	111467.3	5.5	33	1,050	100	796	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5206	842.5123	-0.0083	-10	853	859	RAINQIK					Mascot
862.4781	862.4818	0.0037	4	947	954	IPPPGEPR					Mascot
893.4151	893.416	0.0009	1	500	506	YGNPWEEK					Mascot
914.5458	914.5472	0.0014	2	713	719	HLQIIYK					Mascot
916.4846	916.4868	0.0022	2	586	593	NLAENISR					Mascot
946.4741	946.4759	0.0018	2	564	571	APNDFNLR					Mascot
946.4741	946.4759	0.0018	2	250	257	APNDFNLR	55	99.905			Mascot
994.5832	994.5829	-0.0003	0	35	42	HLHFTLVK					Mascot
1053.5728	1053.576	0.0032	3	755	762	VIFLENYR					Mascot
1053.5728	1053.576	0.0032	3	755	762	VIFLENYR	47	99.413			Mascot
1161.5575	1161.5631	0.0056	5	476	484	YEYGIFNQK					Mascot
1176.5677	1176.6029	0.0352	30	428	438	MSPIEEGGGKR			Oxidation (M)[1]		Mascot
1220.5834	1220.5864	0.003	2	886	895	VFADYESYVK					Mascot
1355.7892	1355.6809	-0.1083	-80	18	30	GIVGVENVAELKK					Mascot

1355.7892	1355.7896	0.0004	0	18	30	GIVGVENVAELKK											Mascot
1363.653	1363.6586	0.0056	4	673	683	LDWDTAWDITK											Mascot
1371.6692	1371.6747	0.0055	4	51	61	DYYFALSHTVR											Mascot
1371.6692	1371.6747	0.0055	4	51	61	DYYFALSHTVR	91	100									Mascot
1386.5995	1386.6051	0.0056	4	71	81	TQQFCYEADPK							Carbamidomethyl (C)[5]				Mascot
1442.6951	1442.6982	0.0031	2	594	605	VLYPNDNFFEGK											Mascot
1511.7013	1511.7045	0.0032	2	633	646	NTSGPLSFDSFPDK											Mascot
1519.754	1519.7588	0.0048	3	673	684	LDWDTAWDITKR											Mascot
1542.7006	1542.7043	0.0037	2	71	82	TQQFCYEADPKR							Carbamidomethyl (C)[5]				Mascot
1556.7454	1556.7462	0.0008	1	83	94	VYYLSLEFYMR							Oxidation (M)[10]				Mascot
1618.7133	1618.717	0.0037	2	487	499	DGWQVEEADDWLR											Mascot
1624.7965	1624.8014	0.0049	3	258	271	DFNVGDYIQAVLDR	118	100									Mascot
1624.7965	1624.8014	0.0049	3	572	585	DFNVGDYIQAVLDR											Mascot
1719.8788	1719.884	0.0052	3	507	520	ARPEFMLPVHIFYGR											Mascot
1735.8737	1735.8815	0.0078	4	507	520	ARPEFMLPVHIFYGR							Oxidation (M)[6]				Mascot
1735.8737	1735.8815	0.0078	4	193	206	ARPEFMLPVHIFYGR	13	0					Oxidation (M)[6]				Mascot
1751.9326	1751.9026	-0.03	-17	611	625	QEYFVVAATLQDVIR											Mascot
1781.9756	1781.9781	0.0025	1	735	751	LITSVADVNNDPVIGR	136	100									Mascot
1781.9756	1781.9781	0.0025	1	735	751	LITSVADVNNDPVIGR											Mascot
1859.8922	1859.8964	0.0042	2	485	499	IKDGWQVEEADDWLR	81	100									Mascot
1859.8922	1859.8964	0.0042	2	485	499	IKDGWQVEEADDWLR											Mascot
1861.9443	1861.932	-0.0123	-7	685	700	TFAYTNHTVLPEALER											Mascot
1970.9969	1971.0005	0.0036	2	838	853	GYNALQYYENLPELKR	114	100									Mascot
1970.9969	1971.0005	0.0036	2	838	853	GYNALQYYENLPELKR											Mascot
1993.1117	1993.1134	0.0017	1	609	625	LKQEYFVVAATLQDVIR											Mascot
1993.1117	1993.1134	0.0017	1	295	311	LKQEYFVVAATLQDVIR	150	100									Mascot
2066.0327	2066.0371	0.0044	2	929	946	TITEYATEIWGVEPTDLK											Mascot
2120.0991	2120.1094	0.0103	5	647	665	VAIQLNDTHPAMAIPELM R											Mascot
2136.094	2136.0969	0.0029	1	647	665	VAIQLNDTHPAMAIPELM R							Oxidation (M)[12]				Mascot
2152.0889	2152.093	0.0041	2	647	665	VAIQLNDTHPAMAIPELM R							Oxidation (M)[12,18]				Mascot
2248.1543	2248.1423	-0.012	-5	406	424	INLIHLNHIASLFPEDMDR											Mascot
2264.1492	2264.1484	-0.0008	0	406	424	INLIHLNHIASLFPEDMDR							Oxidation (M)[17]				Mascot
2283.2739	2283.1802	-0.0937	-41	731	751	MIIKLITSVADVNNDPVI GR							Oxidation (M)[1]				Mascot

2

glycogen phosphorylase, muscle form [Danio rerio]

gi|66472494

96870.5

6.67

18

105

100

47

99.413

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type	
842.4617	842.5123	0.0506	60	835	842	LAAPDDIK					Mascot	
845.4628	845.4667	0.0039	5	571	576	IHEYKR					Mascot	
862.424	862.4818	0.0578	67	365	371	AWDICVR					Mascot	
893.4151	893.416	0.0009	1	186	192	YGNPWEK					Mascot	
914.5166	914.5472	0.0306	33	484	491	TNGITPRR					Mascot	
916.4846	916.4868	0.0022	2	271	278	NLAENISR					Mascot	
994.5832	994.5829	-0.0003	0	35	42	HLHFTLVK					Mascot	
1053.5728	1053.576	0.0032	3	643	650	VIFLENYR					Mascot	
1053.5728	1053.576	0.0032	3	643	650	VIFLENYR	47	99.413			Mascot	
1197.4882	1197.5883	0.1001	84	471	479	DFYEMDPHK			Oxidation (M)[5]		Mascot	
1355.6742	1355.6809	0.0067	5	51	61	DYYFALAHTVR					Mascot	
1355.6742	1355.7896	0.1154	85	51	61	DYYFALAHTVR					Mascot	
1371.7994	1371.6747	-0.1247	-91	459	470	IHSDILKATVFK					Mascot	
1371.7994	1371.6747	-0.1247	-91	459	470	IHSDILKATVFK					Mascot	
1386.6536	1386.6051	-0.0485	-35	71	81	TQQSYEKDPK					Mascot	
1442.6951	1442.6982	0.0031	2	279	290	VLYPNDNFFEGK					Mascot	
1511.7754	1511.7045	-0.0709	-47	50	61	RDYYFALAHTVR					Mascot	
1556.7454	1556.7462	0.0008	1	83	94	VYYISLEFYMGR			Oxidation (M)[10]		Mascot	
1961.0538	1960.9794	-0.0744	-38	576	590	RQLLNCLHIITFYNR			Carbamidomethyl (C)[6]		Mascot	
2007.1273	2007.0828	-0.0445	-22	294	310	LKQEYFVVAATLQDIIR					Mascot	
2120.1023	2120.1094	0.0071	3	817	834	TISQYAREIWGVEPTLEK					Mascot	
brain glycogen phosphorylase Pygb [Danio rerio]				gi 46403219		97393.7	6.11	14	103	100	60	99.969

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	845.4628	845.4667	0.0039	5	571	576 IHEYKR					Mascot
	893.4151	893.416	0.0009	1	186	192 YGNPWEK					Mascot
	914.5166	914.5472	0.0306	33	484	491 TNGITPRR					Mascot
	916.4846	916.4868	0.0022	2	271	278 NLAENISR					Mascot
	994.5832	994.5829	-0.0003	0	35	42 HLHFTLVK					Mascot
	1053.5728	1053.576	0.0032	3	643	650 VFLENYR					Mascot
	1053.5728	1053.576	0.0032	3	643	650 VFLENYR	47	99.413			Mascot
	1220.682	1220.5864	-0.0956	-78	599	609 FVPRTVMIGGK			Oxidation (M)[7]		Mascot
	1355.6742	1355.6809	0.0067	5	51	61 DYYFALAHTVR					Mascot

	1355.6742	1355.7896	0.1154	85	51	61	DYYFALAHTVR										Mascot
	1442.6951	1442.6982	0.0031	2	279	290	VLYPNDNFFEGK										Mascot
	1735.8737	1735.8815	0.0078	4	193	206	ARPEYMLPVHIFYGR										Mascot
	1735.8737	1735.8815	0.0078	4	193	206	ARPEYMLPVHIFYGR	13		0							Mascot
	1751.8685	1751.9026	0.0341	19	193	206	ARPEYMLPVHIFYGR				Oxidation (M)[6]						Mascot
	1838.8821	1838.8909	0.0088	5	171	185	IAHGWQIEEADDWLR										Mascot
	1970.8953	1971.0005	0.1052	53	772	787	FKVFADYESYISCQDR										Mascot
	1970.8953	1971.0005	0.1052	53	772	787	FKVFADYESYISCQDR										Mascot
	2007.1273	2007.0828	-0.0445	-22	294	310	LKQEYFVVAATLQDIIR										Mascot
	2120.0964	2120.1094	0.013	6	439	458	RINMAHLCVVGSHAVNG VAR				Oxidation (M)[4]						Mascot
4	glycogen phosphorylase, brain form [Danio rerio]						gi 136256027	97365.7	6.11	13	97	100	60	99.969			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	845.4628	845.4667	0.0039	5	571	576	IHEYKR					Mascot
	893.4151	893.416	0.0009	1	186	192	YGNPWEK					Mascot
	914.5166	914.5472	0.0306	33	484	491	TNGITPRR					Mascot
	916.4846	916.4868	0.0022	2	271	278	NLAENISR					Mascot
	994.5832	994.5829	-0.0003	0	35	42	HLHFTLVK					Mascot
	1053.5728	1053.576	0.0032	3	643	650	VIFLENYR					Mascot
	1053.5728	1053.576	0.0032	3	643	650	VIFLENYR	47		99.413		Mascot
	1220.682	1220.5864	-0.0956	-78	599	609	FVPRTVMIGGK			Oxidation (M)[7]		Mascot
	1355.6742	1355.6809	0.0067	5	51	61	DYYFALAHTVR					Mascot
	1355.6742	1355.7896	0.1154	85	51	61	DYYFALAHTVR					Mascot
	1442.6951	1442.6982	0.0031	2	279	290	VLYPNDNFFEGK					Mascot
	1735.8737	1735.8815	0.0078	4	193	206	ARPEYMLPVHIFYGR					Mascot
	1735.8737	1735.8815	0.0078	4	193	206	ARPEYMLPVHIFYGR	13		0		Mascot
	1751.8685	1751.9026	0.0341	19	193	206	ARPEYMLPVHIFYGR			Oxidation (M)[6]		Mascot
	1838.8821	1838.8909	0.0088	5	171	185	IAHGWQIEEADDWLR					Mascot
	2007.1273	2007.0828	-0.0445	-22	294	310	LKQEYFVVAATLQDIIR					Mascot
	2120.0964	2120.1094	0.013	6	439	458	RINMAHLCVVGSHAVNG VAR			Oxidation (M)[4]		Mascot

5	novel protein similar to vertebrate NifU-like N-terminal domain containing (NIFUN) [Danio rerio]						gi 37606130	17748.2	8.87	7	52	73.186	14	0			
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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															Seq.	Seq.	Score										
															862.5145	862.4818	-0.0327	-38	81	87	IIDARFK					Mascot	
															916.5461	916.4868	-0.0593	-65	116	123	IKNTEIAK					Mascot	
															946.525	946.4759	-0.0491	-52	1	9	MALAAAARR					Oxidation (M)[1]	Mascot
															946.525	946.4759	-0.0491	-52	1	9	MALAAAARR					14 0 Oxidation (M)[1]	Mascot
															1045.5636	1045.5667	0.0031	3	44	53	NVGSLDKNAK					Mascot	
															1161.5746	1161.5631	-0.0115	-10	155	164	DEKETLAEAR					Mascot	
															2100.043	2100.0022	-0.0408	-19	88	108	TFGCGSAIASSSLATEWV K GK					Mascot	
															2283.1545	2283.1802	0.0257	11	124	143	ELCLPPVKLHCSMLAEDA IK					Carbamidomethyl (C)[3], Oxidation (M)[13]	Mascot
6	calcium/calmodulin-dependent protein kinase II inhibitor 2 [Danio rerio]				gi 223029393				8468.1	5.24	6	50	57.502														
Peptide Information																											
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score		C. I.	%	Modification	Rank	Result	Type												
842.5206		842.5123	-0.0083	-10	48	55	LGQIGRAK							Mascot													
845.4363		845.4667	0.0304	36	57	63	VVIEDDR							Mascot													
994.4509		994.5829	0.132	133	70	79	GMTDKSSPGV					Oxidation (M)[2]		Mascot													
1001.5374		1001.566	0.0286	29	56	63	RVVIEDDR							Mascot													
1542.8373		1542.7043	-0.133	-86	57	69	VVIEDDRIDEVLK							Mascot													
3337.4082		3337.7339	0.3257	98	12	43	MSGYGADTDVSQMSFSC GLQDTNSFFGASQAK							Mascot													
7	MCM4 minichromosome maintenance deficient 4, mitotin (S. cerevisiae) [Danio rerio]				gi 33989734				83986.4	5.88	12	50	52.316	10	0												
Peptide Information																											
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score		C. I.	%	Modification	Rank	Result	Type												
845.4839		845.4667	-0.0172	-20	98	105	ADLGSVRK							Mascot													
855.4359		855.4388	0.0029	3	671	677	DYIAFAR							Mascot													
914.5166		914.5472	0.0306	33	87	95	SGIRGTPAR							Mascot													
994.5792		994.5829	0.0037	4	722	730	LAEAHAKVR							Mascot													
1001.5486		1001.566	0.0174	17	96	104	QRADLGSVR							Mascot													
1109.5851		1109.5858	0.0007	1	396	404	THIDAIHFR							Mascot													
1587.8601		1587.7875	-0.0726	-46	364	377	VQPGDRVNITGIYR							Mascot													
1719.921		1719.884	-0.037	-22	707	721	GMVSAYPRQLESIR							Mascot													
1735.9159		1735.8815	-0.0344	-20	707	721	GMVSAYPRQLESIR					Oxidation (M)[2]		Mascot													
1735.9701		1735.8815	-0.0886	-51	611	625	TTIENIQLPHTLLSR	4		0				Mascot													

	1790.8556	1790.9106	0.055	31	12	28	DPPTPASEDPLSPPSQR										Mascot
	1992.9219	1993.1134	0.1915	96	162	178	EEENAGLDLNEPLYMQK										Mascot
	1992.9219	1993.1134	0.1915	96	162	178	EEENAGLDLNEPLYMQK	10		0							Mascot
	2225.0754	2225.1245	0.0491	22	60	80	SVLQSEIDASSPLMYGTP SSR										Mascot
8	DNA replication licensing factor MCM4 [Danio rerio]						gi 321267495	94464.9	5.99	13	47	4.859	10		0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	845.4839	845.4667	-0.0172	-20	98	105	ADLGSVRK					Mascot
	855.4359	855.4388	0.0029	3	671	677	DYIAFAR					Mascot
	914.5166	914.5472	0.0306	33	87	95	SGIRGTPAR					Mascot
	994.5792	994.5829	0.0037	4	722	730	LAEAHAKVR					Mascot
	1001.5486	1001.566	0.0174	17	96	104	QRADLGSVR					Mascot
	1109.5851	1109.5858	0.0007	1	396	404	THIDAIHFR					Mascot
	1197.5898	1197.5883	-0.0015	-1	802	810	YQQLFDDLRL					Mascot
	1587.8601	1587.7875	-0.0726	-46	364	377	VQPGDRVNITGIYR					Mascot
	1719.921	1719.884	-0.037	-22	707	721	GMVSAYPRQLESILR					Mascot
	1735.9159	1735.8815	-0.0344	-20	707	721	GMVSAYPRQLESILR			Oxidation (M)[2]		Mascot
	1735.9701	1735.8815	-0.0886	-51	611	625	TTIENIQLPHTLLSR	4		0		Mascot
	1790.8556	1790.9106	0.055	31	12	28	DPPTPASEDPLSPPSQR					Mascot
	1992.9219	1993.1134	0.1915	96	162	178	EEENAGLDLNEPLYMQK					Mascot
	1992.9219	1993.1134	0.1915	96	162	178	EEENAGLDLNEPLYMQK	10		0		Mascot
	2225.0754	2225.1245	0.0491	22	60	80	SVLQSEIDASSPLMYGTP SSR					Mascot

9	Si:dkeyp-11g8.5 protein [Danio rerio]						gi 133778765	35914.5	9.16	9	42	0				
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	862.4814	862.4818	0.0004	0	43	50	MVLASVAR			Oxidation (M)[1]		Mascot
	994.5203	994.5829	0.0626	63	288	296	TDATLAQFK					Mascot
	1371.7128	1371.6747	-0.0381	-28	276	287	VSRTDFDPTGVR					Mascot
	1371.7227	1371.6747	-0.048	-35	77	89	VLRGPTQADESAK					Mascot
	1386.7886	1386.6051	-0.1835	-132	38	50	ELAARMVLASVAR					Mascot
	1442.6338	1442.6982	0.0644	45	119	131	QLPCQCHGSMGPK			Carbamidomethyl (C)[4]		Mascot
	1735.8345	1735.8815	0.047	27	204	219	TLQKVEEADTSDQSGK					Mascot

1735.8345	1735.8815	0.047	27	204	219	TLQKVEEADTSDQSGK						Mascot
1781.9254	1781.9781	0.0527	30	104	118	VFLKPGSMVEENLYR						Mascot
1781.9254	1781.9781	0.0527	30	104	118	VFLKPGSMVEENLYR						Mascot
3337.5913	3337.7339	0.1426	43	93	118	QLLHCQWCEERVFLKPG SMVEENLYR				Carbamidomethyl (C)[5,8], Oxidation (M)[19]		Mascot

10 novel protein similar to vertebrate polymerase (DNA directed) kappa (POLK) [Danio rerio] gi|169153899 97852.6 6.97 16 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
845.4727	845.4667	-0.006	-7	89	95	LTVDLER					Mascot
864.3879	864.4891	0.1012	117	26	33	AGMEGLDR			Oxidation (M)[3]		Mascot
893.476	893.416	-0.06	-67	74	80	ITKEQMK			Oxidation (M)[6]		Mascot
916.4482	916.4868	0.0386	42	81	88	QAQAEVDR					Mascot
1371.6433	1371.6747	0.0314	23	804	814	NMRENQSVEHK					Mascot
1371.6433	1371.6747	0.0314	23	804	814	NMRENQSVEHK					Mascot
1519.7122	1519.7588	0.0466	31	656	669	QEELSGEPSSLESK					Mascot
1571.9268	1571.7905	-0.1363	-87	830	842	LILLQIHTDHIQK					Mascot
1781.8486	1781.9781	0.1295	73	234	249	AEVFGTSAEEAVREMR					Mascot
1781.8486	1781.9781	0.1295	73	234	249	AEVFGTSAEEAVREMR					Mascot
1790.761	1790.9106	0.1496	84	639	655	GSAMDSNEHTDLSAAER					Mascot
1838.7571	1838.8909	0.1338	73	372	387	TFGEMSDAGEQYSLCK			Carbamidomethyl (C)[15], Oxidation (M)[5]		Mascot
1859.8956	1859.8964	0.0008	0	623	638	DVNLTAFNQHIDECLK					Mascot
1859.8956	1859.8964	0.0008	0	623	638	DVNLTAFNQHIDECLK					Mascot
1960.7712	1960.9794	0.2082	106	682	700	ASTSTSEPMADGDDGND FK			Oxidation (M)[9]		Mascot
2211.064	2211.1106	0.0466	21	604	622	ISTQVLQCLTCPVCNKEM K			Carbamidomethyl (C)[8], Oxidation (M)[18]		Mascot
2225.0974	2225.1245	0.0271	12	256	277	TSLTASAGIAPNMMLAKV CSDK			Oxidation (M)[13]		Mascot
2248.0737	2248.1423	0.0686	31	620	638	EMKDVNLTAFNQHIDECL K					Mascot
2264.0686	2264.1484	0.0798	35	620	638	EMKDVNLTAFNQHIDECL K			Oxidation (M)[2]		Mascot
2283.0347	2283.1802	0.1455	64	847	867	DMIIHEDFAGFTSGNNVN ASK			Oxidation (M)[2]		Mascot

11 PREDICTED: FCH and double SH3 domains protein 2-like, partial [Danio rerio] gi|326675898 21477.2 9.13 7 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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893.4628	893.416	-0.0468	-52	93	99	NVYGVWR							Mascot
946.5138	946.4759	-0.0379	-40	140	147	KCIEQLGR							Mascot
946.5138	946.4759	-0.0379	-40	140	147	KCIEQLGR							Mascot
1053.5436	1053.576	0.0324	31	26	34	NTHVEQLGR							Mascot
1053.5436	1053.576	0.0324	31	26	34	NTHVEQLGR	7	0					Mascot
1386.7595	1386.6051	-0.1544	-111	1	13	MASLCHLKIVAGK					Oxidation (M)[1]		Mascot
1587.8588	1587.7875	-0.0713	-45	148	161	IQTELQDSVKDLAK							Mascot
1751.9398	1751.9026	-0.0372	-21	20	34	VTQELKNTHVEQLGR							Mascot
1861.8828	1861.932	0.0492	26	78	92	DWPGIKPDDQRTDYR							Mascot

12 PREDICTED: supervillin [Danio rerio] gi|326672283 147558.1 5.63 18 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5457	842.5123	-0.0334	-40	717	724	KVAVQLGK					Mascot
946.4992	946.4759	-0.0233	-25	297	303	EEQWKVK					Mascot
946.4992	946.4759	-0.0233	-25	297	303	EEQWKVK					Mascot
981.5952	981.5854	-0.0098	-10	463	471	NPLRALAAR					Mascot
1109.5771	1109.5858	0.0087	8	989	997	LFCVRGETK			Carbamidomethyl (C)[3]		Mascot
1179.5562	1179.666	0.1098	93	385	394	NSTIEVMEEK					Mascot
1179.5674	1179.666	0.0986	84	1058	1068	EMGLNSNSSLK					Mascot
1220.5688	1220.5864	0.0176	14	73	83	DVGNARDQMAK			Oxidation (M)[9]		Mascot
1386.7528	1386.6051	-0.1477	-107	779	789	FLDWAERKPPK					Mascot
1442.629	1442.6982	0.0692	48	1091	1102	KAYDCMLEDPGK			Carbamidomethyl (C)[5], Oxidation (M)[6]		Mascot
1519.7421	1519.7588	0.0167	11	276	289	SSADVEPKMSLAER					Mascot
1571.7853	1571.7905	0.0052	3	632	644	EFWSLLGGKTDYR					Mascot
1582.6663	1582.7301	0.0638	40	975	988	GCREGSSTNTGDWR			Carbamidomethyl (C)[2]		Mascot
1832.8007	1832.9417	0.141	77	395	409	EKEVMTFDDEETFGR					Mascot
1859.965	1859.8964	-0.0686	-37	1296	1310	DEFNTLPNWKQLNLK					Mascot
1859.965	1859.8964	-0.0686	-37	1296	1310	DEFNTLPNWKQLNLK					Mascot
1861.8578	1861.932	0.0742	40	579	593	QCFFWSGEFANVIEK			Carbamidomethyl (C)[2]		Mascot
2006.9698	2007.0828	0.113	56	139	156	STSLDLEPGEQERTTICK					Mascot
2248.1528	2248.1423	-0.0105	-5	558	578	LVEPTANSLNSGDCYLLI TPK					Mascot
2284.2092	2284.1797	-0.0295	-13	958	977	EPFCFLQLFLGGLVIHKG CR			Carbamidomethyl (C)[4]		Mascot

13 RecName: Full=Acyl-CoA synthetase family member 2, gi|123914455 67470.3 8.42 12 40 0
mitochondrial; Flags: Precursor

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
842.5458	842.5123	-0.0335	-40	5	11 ILLTNLR					Mascot
864.4243	864.4891	0.0648	75	472	478 ECITKDR					Mascot
870.5771	870.542	-0.0351	-40	500	506 IKDLIIR					Mascot
907.4665	907.4691	0.0026	3	470	476 TRECITK			Carbamidomethyl (C)[4]		Mascot
914.5417	914.5472	0.0055	6	331	338 ANLRAIEK					Mascot
1161.5754	1161.5631	-0.0123	-11	164	174 VQCNAVVCPTK					Mascot
1197.5027	1197.5883	0.0856	71	177	185 SQHYCDMLK			Carbamidomethyl (C)[5], Oxidation (M)[7]		Mascot
1511.7886	1511.7045	-0.0841	-56	421	434 IVTVGCISPHEAK			Carbamidomethyl (C)[6]		Mascot
1582.8621	1582.7301	-0.132	-83	420	434 KIVTVGCISPHEAK					Mascot
1624.6876	1624.8014	0.1138	70	536	548 DERMGEEVCACIR	1	0	Carbamidomethyl (C)[9,11]		Mascot
1624.6876	1624.8014	0.1138	70	536	548 DERMGEEVCACIR			Carbamidomethyl (C)[9,11]		Mascot
2065.9688	2066.0371	0.0683	33	479	495 WYKTGDIASLDQFAYCK			Carbamidomethyl (C)[16]		Mascot
2211.1689	2211.1106	-0.0583	-26	435	455 VVDPTTGEIVPLGAQGEL MIR			Oxidation (M)[19]		Mascot

14 PREDICTED: titin [Danio rerio] gi|189523699 3645668 6.16 72 39 0 9 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
842.5094	842.5123	0.0029	3	15232	15239 LSIPGVTR					Mascot
845.4587	845.4667	0.008	9	29341	29347 IRAENSR					Mascot
855.4206	855.4388	0.0182	21	8657	8663 EEAIEHK					Mascot
862.4814	862.4818	0.0004	0	27341	27348 IVCSSVVR					Mascot
864.4937	864.4891	-0.0046	-5	20241	20247 GYIVERK					Mascot
870.4203	870.542	0.1217	140	6908	6915 LSDSGTYK					Mascot
882.4679	882.5694	0.1015	115	2876	2882 YKVSTER					Mascot
893.4145	893.416	0.0015	2	23146	23153 TSEGCIAR			Carbamidomethyl (C)[5]		Mascot
907.4705	907.4691	-0.0014	-2	27434	27440 NSLLWMK			Oxidation (M)[6]		Mascot
914.5669	914.5472	-0.0197	-22	9214	9221 DKIGLQLK					Mascot
916.4985	916.4868	-0.0117	-13	9747	9754 GDEILLEK					Mascot
946.5203	946.4759	-0.0444	-47	12485	12493 AGQEITLSK					Mascot
946.5832	946.4759	-0.1073	-113	2700	2707 FRIVVQGK					Mascot
981.5112	981.5854	0.0742	76	3392	3399 RFSSSLER					Mascot
994.5203	994.5829	0.0626	63	9416	9423 EKEVFSQK					Mascot
1001.6141	1001.566	-0.0481	-48	11629	11636 LEFVRPIK					Mascot

1045.5347	1045.5667	0.032	31	7144	7153	CQIGGTPEIK			Mascot
1053.5364	1053.576	0.0396	38	9270	9277	RDIYFPDK	5	0	Mascot
1053.584	1053.576	-0.008	-8	24308	24315	YEFRVIAR			Mascot
1109.6255	1109.5858	-0.0397	-36	17783	17790	NFVFLKWR			Mascot
1161.703	1161.5631	-0.1399	-120	9689	9698	VKAVPYPIK			Mascot
1176.5677	1176.6029	0.0352	30	17549	17559	AVNMIGEGETR			Mascot
1179.6732	1179.666	-0.0072	-6	28209	28218	ITGYIVETRK			Mascot
1179.7096	1179.666	-0.0436	-37	10001	10010	KEITPTHILK			Mascot
1197.6011	1197.5883	-0.0128	-11	15414	15423	GTSYWSRVNK			Mascot
1220.5865	1220.5864	-0.0001	0	18604	18614	RGSDDIVTSDR			Mascot
1355.714	1355.6809	-0.0331	-24	13271	13281	EYLFRVIACNK			Mascot
1355.7794	1355.7896	0.0102	8	18483	18494	NSATLGWLKPLR			Mascot
1363.7004	1363.6586	-0.0418	-31	29924	29934	GLKENVEYHFK			Mascot
1371.6387	1371.6747	0.036	26	26182	26194	YDITASNSNGTTK			Mascot
1371.7478	1371.6747	-0.0731	-53	3410	3422	LTPAEVTIGESVR	11	0	Mascot
1386.6648	1386.6051	-0.0597	-43	17536	17546	GLTEDTEYRFR			Mascot
1419.7227	1419.7164	-0.0063	-4	4116	4127	ESPFVSDVKQQR			Mascot
1442.6945	1442.6982	0.0037	3	6367	6379	ADTGYTYCKLANK		Carbamidomethyl (C)[8]	Mascot
1511.7375	1511.7045	-0.033	-22	22038	22050	IGGLEEGIEYEFR			Mascot
1519.7274	1519.7588	0.0314	21	11644	11656	ETAEFIELSHEK			Mascot
1542.7369	1542.7043	-0.0326	-21	19518	19530	ITNLEAGQAYCFR		Carbamidomethyl (C)[11]	Mascot
1556.7526	1556.7462	-0.0064	-4	31126	31138	MTASEALEHPWLR		Oxidation (M)[1]	Mascot
1571.7853	1571.7905	0.0052	3	21648	21660	IGDLQEGNLYFFR			Mascot
1582.7716	1582.7301	-0.0415	-26	17623	17635	TMLTNNFPVQMR		Oxidation (M)[2, 12]	Mascot
1587.7649	1587.7875	0.0226	14	6149	6161	DESWILEDPSIQR			Mascot
1618.7959	1618.717	-0.0789	-49	30832	30847	FGVSDPSAPTPVTTK			Mascot
1624.8074	1624.8014	-0.006	-4	15583	15596	IFMDISADELLCVR			Mascot
1624.8727	1624.8014	-0.0713	-44	7363	7376	ISCVENTPHLTILK		Carbamidomethyl (C)[3]	Mascot
1719.8734	1719.884	0.0106	6	23154	23169	DPCDPPGTPVPVIVTR		Carbamidomethyl (C)[3]	Mascot
1735.8496	1735.8815	0.0319	18	25594	25610	GVNKYGTGEALESDBAK			Mascot
1735.9589	1735.8815	-0.0774	-45	26957	26971	NTEYSTTLIIPKVTR	2	0	Mascot
1751.8997	1751.9026	0.0029	2	9851	9865	EVHLPVIQDDSMQLK			Mascot
1781.8956	1781.9781	0.0825	46	8632	8646	DVYFSAKQDEEIPK			Mascot
1781.9644	1781.9781	0.0137	8	19357	19372	DILLAPEAELDADLRK			Mascot
1790.9183	1790.9106	-0.0077	-4	7435	7450	VAGSQPLTVNWKDGR			Mascot
1832.9574	1832.9417	-0.0157	-9	18442	18458	VMAVNKYGIGLPQDSPK		Oxidation (M)[2]	Mascot

1838.9	1838.8909	-0.0091	-5	25318	25333	DPCAPPSQPRVMNITR	Carbamidomethyl (C)[3]	Mascot
1859.9021	1859.8964	-0.0057	-3	28719	28734	ELDPGEKYSLTYTSTR		Mascot
1859.928	1859.8964	-0.0316	-17	2604	2619	NQELKPSANVQIMSER	Oxidation (M)[13]	Mascot
1861.9337	1861.932	-0.0017	-1	12684	12698	LQVCEIRPRDQGEYR		Mascot
1960.9498	1960.9794	0.0296	15	1778	1794	TEEGYEAISSVELKSR		Mascot
1971.0375	1971.0005	-0.037	-19	13319	13335	IFLSWEPPKWDGGTPIK		Mascot
1971.0375	1971.0005	-0.037	-19	13319	13335	IFLSWEPPKWDGGTPIK		Mascot
1992.98	1993.1134	0.1334	67	2757	2773	DTITFEVTVNYEGITYK		Mascot
1993.027	1993.1134	0.0864	43	32557	32575	AVQESVSSKIQQGSEMVI K	Oxidation (M)[16]	Mascot
2007.0182	2007.0828	0.0646	32	19472	19490	DHVSITWDAPLIDGGSPV K		Mascot
2066.0474	2066.0371	-0.0103	-5	976	993	KQDVTYVTEVTAMVQEP K		Mascot
2120.1089	2120.1094	0.0005	0	5556	5574	MDNTNVLAKDVS LQCV LK	Oxidation (M)[1]	Mascot
2136.0906	2136.0969	0.0063	3	22659	22677	SAFISVRVLDTPDMPANF R		Mascot
2152.0854	2152.093	0.0076	4	22659	22677	SAFISVRVLDTPDMPANF R	Oxidation (M)[14]	Mascot
2211.1438	2211.1106	-0.0332	-15	6982	7001	SCEIALRGDTAILELHNID K		Mascot
2225.1382	2225.1245	-0.0137	-6	29539	29559	VAATNRFGIGGFLQSEVV ECK		Mascot
2232.9575	2233.0947	0.1372	61	1525	1542	MINEFGYCSLDYEVAYSR	Carbamidomethyl (C)[8], Oxidation (M)[1]	Mascot
2248.0107	2248.1423	0.1316	59	7076	7094	YNITTTESSCILECLNSDK	Carbamidomethyl (C)[10,14]	Mascot
2264.2537	2264.1484	-0.1053	-47	25712	25732	AEDPLFLPSPPAKPKIIDS TK		Mascot
2283.1899	2283.1802	-0.0097	-4	3763	3783	EHPSQVMSALTESVTPLT IVK	Oxidation (M)[7]	Mascot
2284.1819	2284.1797	-0.0022	-1	21598	21618	EITKDSVSLIWDPPVIDGG SR		Mascot
3337.4834	3337.7339	0.2505	75	4869	4900	DTGTYTCTAANEAGSSS CSSSVTVQEPV FVK	Carbamidomethyl (C)[7,18]	Mascot

15 Si:dkey-63j12.1 [Danio rerio] gi|63100606 31611.3 10.27 10 39 0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
893.5025	893.416	-0.0865	-97	189	195 CKIFLNR				Mascot
916.5098	916.4868	-0.023	-25	150	158 TPGAVESKK				Mascot
1045.5748	1045.5667	-0.0081	-8	237	245 RASQVLSEK				Mascot
1179.5536	1179.666	0.1124	95	198	207 TSMTANQDRR				Mascot
1179.5536	1179.666	0.1124	95	198	207 TSMTANQDRR				Mascot
1571.7379	1571.7905	0.0526	33	175	188 LMGDACSVNMVIYR				Mascot
1587.7328	1587.7875	0.0547	34	175	188 LMGDACSVNMVIYR			Oxidation (M)[2]	Mascot

	1790.849	1790.9106	0.0616	34	159	174	SPAATNQTNFINCQPK									Carbamidomethyl (C)[13]	Mascot
	1859.8634	1859.8964	0.033	18	175	190	LMGDACSVNMVIYRCK									Carbamidomethyl (C)[6]	Mascot
	1859.8634	1859.8964	0.033	18	175	190	LMGDACSVNMVIYRCK									Carbamidomethyl (C)[6]	Mascot
	1861.9225	1861.932	0.0095	5	158	174	KSPAATNQTNFINCQPK										Mascot
	1960.8865	1960.9794	0.0929	47	256	272	TSHMMHGARQFAEAAQ R									Oxidation (M)[4,5]	Mascot
	2233.0027	2233.0947	0.092	41	119	136	CMFVQVLYHACQNYWE AK										Mascot
16	cullin 1-like [Danio rerio]				gi 47087291		89546.8	8.18	14	38	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	864.4825	864.4891	0.0066	8	220	227	GPTLSVYK						Mascot
	882.4501	882.5694	0.1193	135	320	326	MYNLVSR						Mascot
	893.4363	893.416	-0.0203	-23	514	520	DLNEQFK						Mascot
	914.5128	914.5472	0.0344	38	680	687	VNINVPMK						Mascot
	946.5277	946.4759	-0.0518	-55	750	757	CIDILIEK						Mascot
	946.5277	946.4759	-0.0518	-55	750	757	CIDILIEK						Mascot
	1176.6194	1176.6029	-0.0165	-14	167	175	ECLFRPLNK				Carbamidomethyl (C)[2]		Mascot
	1582.7642	1582.7301	-0.0341	-22	314	326	NEDLGRMYNLVSR				Oxidation (M)[7]		Mascot
	1587.7584	1587.7875	0.0291	18	492	504	QACGFEYTSKLQR				Carbamidomethyl (C)[3]		Mascot
	1618.7384	1618.717	-0.0214	-13	228	240	EYFEAQFLADTER						Mascot
	1624.8224	1624.8014	-0.021	-13	26	39	SGIQQVYTRQSMAR						Mascot
	1624.8224	1624.8014	-0.021	-13	26	39	SGIQQVYTRQSMAR						Mascot
	1735.9449	1735.8815	-0.0634	-37	725	739	HQQLLAEVLNQLSSR						Mascot
	1735.9449	1735.8815	-0.0634	-37	725	739	HQQLLAEVLNQLSSR						Mascot
	2152.126	2152.093	-0.033	-15	577	594	LTWLYHLSKGELVTNCFK						Mascot
	2264.2622	2264.1484	-0.1138	-50	725	743	HQQLLAEVLNQLSSRFKP R						Mascot
	2283.1423	2283.1802	0.0379	17	96	115	SYLTNLLKDGEDLMDESV LK						Mascot

17	titin a [Danio rerio]				gi 110005909		3646149.2	6.18	72	38	0	9	0
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	842.5094	842.5123	0.0029	3	15232	15239	LSIPGVTR						Mascot
	845.4587	845.4667	0.008	9	29341	29347	IRAENSR						Mascot
	855.4206	855.4388	0.0182	21	8657	8663	EAAIEHK						Mascot

862.4814	862.4818	0.0004	0	27341	27348	IVCSSVVR			Mascot
864.4937	864.4891	-0.0046	-5	20241	20247	GYIVERK			Mascot
870.493	870.542	0.049	56	8546	8553	TDIPLPSK			Mascot
882.4679	882.5694	0.1015	115	2876	2882	YKVSTER			Mascot
893.4145	893.416	0.0015	2	23146	23153	TSEGCAR		Carbamidomethyl (C)[5]	Mascot
907.4705	907.4691	-0.0014	-2	27434	27440	NSLLWMK		Oxidation (M)[6]	Mascot
914.5669	914.5472	-0.0197	-22	9214	9221	DKIGLQLK			Mascot
916.4985	916.4868	-0.0117	-13	9747	9754	GDEILLEK			Mascot
946.5203	946.4759	-0.0444	-47	12485	12493	AGQEITLSK			Mascot
946.5832	946.4759	-0.1073	-113	2700	2707	FRIVVQ GK			Mascot
981.5112	981.5854	0.0742	76	3392	3399	RFSSSLER			Mascot
994.5203	994.5829	0.0626	63	9416	9423	EKEVFSQK			Mascot
1001.5625	1001.566	0.0035	3	8691	8698	EEIINQKK			Mascot
1045.5347	1045.5667	0.032	31	7144	7153	CQIGGTPEIK			Mascot
1053.5364	1053.576	0.0396	38	9270	9277	RDIYFPDK	5	0	Mascot
1053.584	1053.576	-0.008	-8	24308	24315	YEFRVIAR			Mascot
1109.6255	1109.5858	-0.0397	-36	17783	17790	NFVFLKWR			Mascot
1161.703	1161.5631	-0.1399	-120	9689	9698	VKAVPYPIK			Mascot
1176.5677	1176.6029	0.0352	30	17549	17559	AVNMIGEGETR			Mascot
1179.6732	1179.666	-0.0072	-6	28209	28218	ITGYIVETRK			Mascot
1179.7096	1179.666	-0.0436	-37	10001	10010	KEITPTHILK			Mascot
1197.6011	1197.5883	-0.0128	-11	15414	15423	GTSYWSRVNK			Mascot
1220.5865	1220.5864	-0.0001	0	18604	18614	RGSDDIVTSDR			Mascot
1355.714	1355.6809	-0.0331	-24	13271	13281	EYLFRIACNK			Mascot
1355.7794	1355.7896	0.0102	8	18483	18494	NSATLGWLKPLR			Mascot
1363.7004	1363.6586	-0.0418	-31	29924	29934	GLKENVEYHFK			Mascot
1371.6387	1371.6747	0.036	26	26182	26194	YDITASNSNGTTK			Mascot
1371.7478	1371.6747	-0.0731	-53	3410	3422	LTPAEVTIGESVR	11	0	Mascot
1386.6648	1386.6051	-0.0597	-43	17536	17546	GLTEDTEYRFR			Mascot
1419.7227	1419.7164	-0.0063	-4	4116	4127	ESPFVSDVKQQR			Mascot
1442.6945	1442.6982	0.0037	3	6367	6379	ADTGTYTCKLANK		Carbamidomethyl (C)[8]	Mascot
1511.7375	1511.7045	-0.033	-22	22038	22050	IGGLEEGIEYFR			Mascot
1519.7274	1519.7588	0.0314	21	11644	11656	ETAEFSIELSHEK			Mascot
1542.7369	1542.7043	-0.0326	-21	19518	19530	ITNLEAGQAYCFR		Carbamidomethyl (C)[11]	Mascot
1556.7526	1556.7462	-0.0064	-4	31126	31138	MTASEALEHPWLR		Oxidation (M)[1]	Mascot
1571.7853	1571.7905	0.0052	3	21648	21660	IGDLQEGNLYFFR			Mascot
1582.7716	1582.7301	-0.0415	-26	17623	17635	TMLTNNFPVQMR		Oxidation (M)[2, 12]	Mascot

1587.7649	1587.7875	0.0226	14	6149	6161	DESWILEDPSIQR			Mascot
1618.7959	1618.717	-0.0789	-49	30832	30847	FGVSDPSAPDPTTK			Mascot
1624.8074	1624.8014	-0.006	-4	15583	15596	IFMDISADELLCVR			Mascot
1624.8727	1624.8014	-0.0713	-44	7363	7376	ISCVENPHLTILK	Carbamidomethyl (C)[3]		Mascot
1719.8734	1719.884	0.0106	6	23154	23169	DPCDPPGTPVPVIVTR	Carbamidomethyl (C)[3]		Mascot
1735.8496	1735.8815	0.0319	18	25594	25610	GVNKYGTGEALESDBAK			Mascot
1735.9589	1735.8815	-0.0774	-45	26957	26971	NTEYSTTLIIPKVTR		2 0	Mascot
1751.7177	1751.9026	0.1849	106	4585	4600	DHEGEYTCEAVGEAGK	Carbamidomethyl (C)[8]		Mascot
1781.8956	1781.9781	0.0825	46	8632	8646	DVYFSAKQDEEIPK			Mascot
1781.9644	1781.9781	0.0137	8	19357	19372	DILLAPEAELDADLRK			Mascot
1790.9183	1790.9106	-0.0077	-4	7435	7450	VAGSQPLTVNWKDGR			Mascot
1832.9562	1832.9417	-0.0145	-8	522	537	ELLIPPEMTTTTEK	Oxidation (M)[9]		Mascot
1838.9	1838.8909	-0.0091	-5	25318	25333	DPCAPPSQPRVMNITR	Carbamidomethyl (C)[3]		Mascot
1859.9021	1859.8964	-0.0057	-3	28719	28734	ELDPGEKYSLYTSTR			Mascot
1859.928	1859.8964	-0.0316	-17	2604	2619	NQELKPSANVQIMSER	Oxidation (M)[13]		Mascot
1861.9337	1861.932	-0.0017	-1	12684	12698	LQVCEIRPRDQGEYR			Mascot
1960.9498	1960.9794	0.0296	15	1778	1794	TEEGYEAISSVELKSR			Mascot
1971.0375	1971.0005	-0.037	-19	13319	13335	IFLSWEPPKWDGGTPIK			Mascot
1971.0375	1971.0005	-0.037	-19	13319	13335	IFLSWEPPKWDGGTPIK			Mascot
1992.98	1993.1134	0.1334	67	2757	2773	DTITFEVTVNYEGITYK			Mascot
1993.027	1993.1134	0.0864	43	32557	32575	AVQESVSSKIQQGSEMVI K	Oxidation (M)[16]		Mascot
2007.0182	2007.0828	0.0646	32	19472	19490	DHVSITWDAPLIDGGSPV K			Mascot
2066.0474	2066.0371	-0.0103	-5	976	993	KQDVTYVTEVTAMVQEP K			Mascot
2120.1089	2120.1094	0.0005	0	5556	5574	MDNTNVLLAKDVSQCV LK	Oxidation (M)[1]		Mascot
2136.0906	2136.0969	0.0063	3	22659	22677	SAFISVRVLDTPDMPANF R			Mascot
2152.0854	2152.093	0.0076	4	22659	22677	SAFISVRVLDTPDMPANF R	Oxidation (M)[14]		Mascot
2211.1438	2211.1106	-0.0332	-15	6982	7001	SCEIALRGDTAILELHNID K			Mascot
2225.1382	2225.1245	-0.0137	-6	29539	29559	VAATNRFGIGGFLQSEVV ECK			Mascot
2232.9575	2233.0947	0.1372	61	1525	1542	MINEFGYCSLDYEVAYS	Carbamidomethyl (C)[8], Oxidation (M)[1]		Mascot
2248.0107	2248.1423	0.1316	59	7076	7094	YNITTTESSCILECLNSDK	Carbamidomethyl (C)[10,14]		Mascot
2264.2537	2264.1484	-0.1053	-47	25712	25732	AEDPLFLPSPPAKPKIIDS TK			Mascot
2283.1899	2283.1802	-0.0097	-4	3763	3783	EHPSQVMSALTESVTPLT IVK	Oxidation (M)[7]		Mascot
2284.1819	2284.1797	-0.0022	-1	21598	21618	EITKDSVSLIWDPPVIDGG SR			Mascot
3337.4834	3337.7339	0.2505	75	4869	4900	DTGTYTCTAANEAGSSS	Carbamidomethyl (C)[7,18]		Mascot

18 RecName: Full=Methionine aminopeptidase 1; Short=MAP 1; Short=MetAP 1; AltName: Full=Peptidase M 1
 gi|172046804 43538.2 6.23 9 38 0
 CSSSVTVQEPPVFK

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
845.5025	845.4667	-0.0358	-42	140	146	VVCKLAR			Carbamidomethyl (C)[3]		Mascot
914.5305	914.5472	0.0167	18	270	277	ELGNIIQK					Mascot
1001.4621	1001.566	0.1039	104	289	297	SYCGHGIHK					Mascot
1719.8767	1719.884	0.0073	4	129	143	ILNAEEIEGMRVCK			Oxidation (M)[10]		Mascot
1832.8088	1832.9417	0.1329	73	191	207	SCCTSVNEVICHGIPDR					Mascot
2006.8542	2007.0828	0.2286	114	2	19	AAVETRECETEGCHSEA K			Carbamidomethyl (C)[8]		Mascot
2210.9111	2211.1106	0.1995	90	1	19	MAAVETRECETEGCHSE AK			Carbamidomethyl (C)[9,14], Oxidation (M)[1]		Mascot
2225.0781	2225.1245	0.0464	21	278	297	HAQANGFSVVRSYCGHG IHK			Carbamidomethyl (C)[14]		Mascot
2248.1277	2248.1423	0.0146	6	353	372	SAQFEHTLLVTETGCEILT R					Mascot

19 E74-like factor 2a (ets domain transcription factor) [Danio rerio]
 gi|51870940 55871.4 4.95 10 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
845.4111	845.4667	0.0556	66	296	303	ETPAASNR					Mascot
916.5363	916.4868	-0.0495	-54	227	234	AVSKLWGR					Mascot
946.5567	946.4759	-0.0808	-85	222	230	LVDSKAVSK					Mascot
946.5567	946.4759	-0.0808	-85	222	230	LVDSKAVSK					Mascot
981.5073	981.5854	0.0781	80	204	211	ETCPKYIK					Mascot
1001.5122	1001.566	0.0538	54	295	303	RETPAASNR					Mascot
1355.6688	1355.6809	0.0121	9	495	506	VEPPEVSVDQEK					Mascot
1355.6688	1355.7896	0.1208	89	495	506	VEPPEVSVDQEK					Mascot
1386.6028	1386.6051	0.0023	2	168	179	NCCDGSLLDLVYK			Carbamidomethyl (C)[2]		Mascot
1542.7039	1542.7043	0.0004	0	168	180	NCCDGSLLDLVYKR			Carbamidomethyl (C)[2]		Mascot
1618.817	1618.717	-0.1	-62	120	133	STEELLSEVEVEVR					Mascot
2225.0867	2225.1245	0.0378	17	99	119	TIEAAEALLHMDSPASLQ GDR					Mascot

20 Heterogeneous nuclear ribonucleoprotein K [Danio rerio]
 gi|32451938 46356.1 8.16 10 37 0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
893.4575	893.416	-0.0415	-46	148	155	DSTQTTIK					Mascot
916.4053	916.4868	0.0815	89	305	311	GHMDERR			Oxidation (M)[3]		Mascot
994.4886	994.5829	0.0943	95	225	233	RPMGGFSSR					Mascot
1045.5823	1045.5667	-0.0156	-15	175	183	AERVVQCIK					Mascot
1053.4669	1053.576	0.1091	104	116	124	GVDFDCELR					Mascot
1053.4669	1053.576	0.1091	104	116	124	GVDFDCELR					Mascot
1618.6663	1618.717	0.0507	31	319	333	NDRYGGSMNDGYGGR					Mascot
1782.0623	1781.9781	-0.0842	-47	87	103	ILSVSADIPTVAEILLK					Mascot
1782.0623	1781.9781	-0.0842	-47	87	103	ILSVSADIPTVAEILLK					Mascot
1790.9316	1790.9106	-0.021	-12	38	52	NSDEMVELRILLQSK			Oxidation (M)[5]		Mascot
2100.1807	2100.0022	-0.1785	-85	178	195	VVQCIKTMLELIVEAPIK			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot
2136.0576	2136.0969	0.0393	18	156	174	LFQECCPQSTDRVVLVG GK			Carbamidomethyl (C)[5]		Mascot
21	PREDICTED: zinc finger protein 420-like [Danio rerio]				gi 326675809		60606.6	8.42	13	37	0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
855.4682	855.4388	-0.0294	-34	202	208	VHKNETK					Mascot
981.5251	981.5854	0.0603	61	386	394	TYITAGDLK					Mascot
1001.4972	1001.566	0.0688	69	2	10	SDPEPCLIK					Mascot
1109.6201	1109.5858	-0.0343	-31	386	395	TYITAGDLKK					Mascot
1386.6028	1386.6051	0.0023	2	347	357	EKPYSCSVCEK			Carbamidomethyl (C)[6,9]		Mascot
1790.8677	1790.9106	0.0429	24	324	338	CDHCGKTLRPSSELK			Carbamidomethyl (C)[1]		Mascot
1859.8868	1859.8964	0.0096	5	47	61	QEETEEQIDLIVEER					Mascot
1859.8868	1859.8964	0.0096	5	47	61	QEETEEQIDLIVEER					Mascot
1861.8142	1861.932	0.1178	63	259	273	IHTGEKPYMCSHCNK			Carbamidomethyl (C)[10,13]		Mascot
1960.8939	1960.9794	0.0855	44	259	274	IHTGEKPYMCSHCNKR			Carbamidomethyl (C)[10]		Mascot
2099.897	2100.0022	0.1052	50	237	254	EYMCSECEKTFITSGDLK			Oxidation (M)[3]		Mascot
2248.1292	2248.1423	0.0131	6	161	179	SFVQISHLNQHMIIHNGE K			Oxidation (M)[12]		Mascot
2264.0989	2264.1484	0.0495	22	302	320	SFRQSAHLNEHMLIHNG EK			Oxidation (M)[12]		Mascot
2284.1187	2284.1797	0.061	27	445	463	RPSNLNEHMMIHTGERP HK					Mascot
22	PREDICTED: hypothetical protein LOC100538018 [Danio rerio]				gi 326665968		5761.7	7.85	5	36	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
862.3901	862.4818	0.0917	106	9	15 TELDNDR					Mascot
914.4261	914.5472	0.1211	132	2	8 MTHQNQR					Mascot
1045.4667	1045.5667	0.1	96	1	8 MMTHQNQR					Mascot
1511.6254	1511.7045	0.0791	52	17	28 ACEYTETNCHVK			Carbamidomethyl (C)[2,9]		Mascot
1582.6989	1582.7301	0.0312	20	16	28 KACEYTETNCHVK			Carbamidomethyl (C)[3]		Mascot

23

PREDICTED: hypothetical protein LOC100536324
[Danio rerio]

gi|326675438

274951.1

9.13

23

36

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
845.4475	845.4667	0.0192	23	1116	1123 EALAQASR					Mascot
855.4094	855.4388	0.0294	34	103	109 YVTEESK					Mascot
870.5406	870.542	0.0014	2	1174	1181 VLSPVTVR					Mascot
994.5363	994.5829	0.0466	47	870	878 VACHPGVRR					Mascot
1001.5486	1001.566	0.0174	17	1116	1124 EALAQASRR					Mascot
1053.5146	1053.576	0.0614	58	397	404 EAMDRYIR					Mascot
1053.5146	1053.576	0.0614	58	397	404 EAMDRYIR					Mascot
1355.7794	1355.6809	-0.0985	-73	1145	1155 VWLSTRDLPLR					Mascot
1355.7834	1355.7896	0.0062	5	957	968 FSKAAHFIPLPK					Mascot
1363.6522	1363.6586	0.0064	5	1836	1847 ELLDDGMANNKK			Oxidation (M)[7]		Mascot
1371.7015	1371.6747	-0.0268	-20	974	985 ETAQAVVDHVFR					Mascot
1371.7015	1371.6747	-0.0268	-20	974	985 ETAQAVVDHVFR					Mascot
1386.7587	1386.6051	-0.1536	-111	2252	2263 EIVSRQELDAVK					Mascot
1419.72	1419.7164	-0.0036	-3	2336	2346 HTHDTQIRQQR					Mascot
1571.7959	1571.7905	-0.0054	-3	2146	2158 MDHDVRQLISSVR			Oxidation (M)[1]		Mascot
1582.7489	1582.7301	-0.0188	-12	1662	1676 LGNSDSLCSRSSTQK					Mascot
1618.8112	1618.717	-0.0942	-58	1357	1371 GSPSEYGLPPNYIPK					Mascot
1624.8363	1624.8014	-0.0349	-21	257	271 TPLPTTSPEPMLGR					Mascot
1624.8363	1624.8014	-0.0349	-21	257	271 TPLPTTSPEPMLGR					Mascot
1719.7391	1719.884	0.1449	84	241	256 VSGASWMNEGSPNDPR			Oxidation (M)[7]		Mascot
1781.9432	1781.9781	0.0349	20	802	818 LFDVPGGEATPEAILPR					Mascot
1781.9432	1781.9781	0.0349	20	802	818 LFDVPGGEATPEAILPR					Mascot
1832.8848	1832.9417	0.0569	31	2264	2278 EALLQCQTEYEHQK					Mascot

	1859.8453	1859.8964	0.0511	27	240	256	RVSGASWMNEGSPNDP R									Mascot
	1859.8453	1859.8964	0.0511	27	240	256	RVSGASWMNEGSPNDP R									Mascot
	1971.1241	1971.0005	-0.1236	-63	1423	1440	VVLMCQVVQRNALIGALK					Oxidation (M)[4]				Mascot
	1971.1241	1971.0005	-0.1236	-63	1423	1440	VVLMCQVVQRNALIGALK					Oxidation (M)[4]				Mascot
	2211.0825	2211.1106	0.0281	13	1907	1925	VEIFFPSMQALAQMDV EK									Mascot
	2248.1311	2248.1423	0.0112	5	1795	1816	MEANGAILGVSLIMDDVL SSGR									Mascot
	2264.126	2264.1484	0.0224	10	1795	1816	MEANGAILGVSLIMDDVL SSGR					Oxidation (M)[1]				Mascot
24	PREDICTED: oocyte zinc finger protein XICOF6-like [Danio rerio]					gi 326667152	41141.8	8.96	8	36	0	12	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
893.4474	893.416	-0.0314	-35	74	82	SFGGNGNLK					Mascot
907.4268	907.4691	0.0423	47	39	45	EEEHVK					Mascot
1001.4178	1001.566	0.1482	148	66	73	FTCTQCGK			Carbamidomethyl (C)[3,6]		Mascot
1109.5269	1109.5858	0.0589	53	302	310	SSHLNQHMR					Mascot
1556.7499	1556.7462	-0.0037	-2	298	310	SFGRSSHLNQHMR					Mascot
1582.7543	1582.7301	-0.0242	-15	242	254	SFGRSSYLNQHMR					Mascot
1624.8013	1624.8014	0.0001	0	270	282	IFGRSSYLNQHMR	12	0	Oxidation (M)[12]		Mascot
1624.8013	1624.8014	0.0001	0	270	282	IFGRSSYLNQHMR			Oxidation (M)[12]		Mascot
2211.0432	2211.1106	0.0674	30	227	245	IHTGEKPFCTQCGKSFG R			Carbamidomethyl (C)[10,13]		Mascot

25 LOC794225 protein [Danio rerio] gi|111306309 57174.6 7.72 12 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
893.4219	893.416	-0.0059	-7	243	249	MPEMTLR			Oxidation (M)[1]		Mascot
916.4846	916.4868	0.0022	2	151	157	RELQENK					Mascot
994.4509	994.5829	0.132	133	319	326	QMQSEVEK			Oxidation (M)[2]		Mascot
1053.5398	1053.576	0.0362	34	21	29	VHESLMPPK			Oxidation (M)[6]		Mascot
1053.5398	1053.576	0.0362	34	21	29	VHESLMPPK			Oxidation (M)[6]		Mascot
1419.7009	1419.7164	0.0155	11	474	486	THSTSTKMGNLSR					Mascot
1511.7925	1511.7045	-0.088	-58	66	77	AQIRDLEERPER					Mascot
1556.9006	1556.7462	-0.1544	-99	303	316	SVANQKVVLQLTEK					Mascot
1571.7847	1571.7905	0.0058	4	481	494	MGNLSRSAYTSLQK			Oxidation (M)[1]		Mascot

	1587.7948	1587.7875	-0.0073	-5	223	236	EMLQHVAAVAAEFR						Oxidation (M)[2]	Mascot
	1624.7887	1624.8014	0.0127	8	78	90	YQLKCDELEVQEK							Mascot
	1624.7887	1624.8014	0.0127	8	78	90	YQLKCDELEVQEK							Mascot
	1961.0558	1960.9794	-0.0764	-39	419	437	SQMMQKLLAVLDGAAAL GK						Oxidation (M)[3]	Mascot
	2282.9929	2283.1802	0.1873	82	42	61	TGNMEETEQKNAEELTE SDK							Mascot
26	PREDICTED: uncharacterized protein C3orf63 [Danio rerio]					gi 326679102	191042.7	6.38	18	35	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	907.5836	907.4691	-0.1145	-126	581	587	LIQLHKR					Mascot
	1053.6666	1053.576	-0.0906	-86	154	162	VKIENIPK					Mascot
	1053.6666	1053.576	-0.0906	-86	154	162	VKIENIPK					Mascot
	1220.5946	1220.5864	-0.0082	-7	1129	1138	FLEEQGSPWK					Mascot
	1363.762	1363.6586	-0.1034	-76	843	854	YVTPLPVQGYVK					Mascot
	1386.7263	1386.6051	-0.1212	-87	35	46	LLSTFYLDATSR					Mascot
	1442.6177	1442.6982	0.0805	56	1616	1630	DSALASSSSCSQGSR					Mascot
	1556.7745	1556.7462	-0.0283	-18	1656	1670	GLLPLPGAPMGAMCR			Carbamidomethyl (C)[14], Oxidation (M)[10]		Mascot
	1571.6473	1571.7905	0.1432	91	319	331	CGMHCSLYEVMGK			Carbamidomethyl (C)[1,5]		Mascot
	1587.6422	1587.7875	0.1453	92	319	331	CGMHCSLYEVMGK			Carbamidomethyl (C)[1,5], Oxidation (M)[3]		Mascot
	1624.8329	1624.8014	-0.0315	-19	950	963	EVHLFQPEKSADPK					Mascot
	1624.9056	1624.8014	-0.1042	-64	945	958	LGTVKEVHLFQPEK					Mascot
	1735.8683	1735.8815	0.0132	8	1032	1047	SLGNIACNPLNYLESK					Mascot
	1735.953	1735.8815	-0.0715	-41	212	226	HVLPYAVVSFQYKGK					Mascot
	2007.0481	2007.0828	0.0347	17	808	824	LMEAQHIIYNSQPPLPR					Mascot
	2119.8855	2120.1094	0.2239	106	1671	1689	GGHNNSMYNPRGGPPD MMR			Oxidation (M)[7,17]		Mascot
	2135.8804	2136.0969	0.2165	101	1671	1689	GGHNNSMYNPRGGPPD MMR			Oxidation (M)[7,17,18]		Mascot
	2233.1387	2233.0947	-0.044	-20	28	46	EFEDVVKLLSTFYLDATS R					Mascot
	2264.134	2264.1484	0.0144	6	1032	1051	SLGNIACNPLNYLESKSQ QK			Carbamidomethyl (C)[7]		Mascot
	2284.0034	2284.1797	0.1763	77	714	732	VDEEQVTQDFLEEQTAC SR			Carbamidomethyl (C)[17]		Mascot
	3337.4944	3337.7339	0.2395	72	1616	1649	DSALASSSSCSQGSRTPT VNSSSESQGSQAPPAR			Carbamidomethyl (C)[10]		Mascot

27	plexin B2b long isoform [Danio rerio]					gi 222354810	207361.6	6.44	19	35	0			
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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												Seq.	Seq.	Score				
	870.4791	870.542	0.0629	72	1735	1741	TEHKLSR									Mascot		
	907.4995	907.4691	-0.0304	-33	372	378	DIVNRYK									Mascot		
	914.473	914.5472	0.0742	81	908	914	TVQFTYR									Mascot		
	994.5502	994.5829	0.0327	33	479	487	VPVQACHLK									Mascot		
	1109.4714	1109.5858	0.1144	103	488	497	QDCQSCVAQK									Mascot		
	1442.7849	1442.6982	-0.0867	-60	1175	1187	RDTGSDPLDLLIK									Mascot		
	1511.6406	1511.7045	0.0639	42	498	509	DPYCGWCVLEGR			Carbamidomethyl (C)[4,7]						Mascot		
	1519.8148	1519.7588	-0.056	-37	1114	1127	SVITENSMIIVTGR									Mascot		
	1542.8196	1542.7043	-0.1153	-75	1621	1633	SMTKAITEIYLTR			Oxidation (M)[2]						Mascot		
	1582.7583	1582.7301	-0.0282	-18	523	535	HGWLWSPNQQCVK									Mascot		
	1587.8417	1587.7875	-0.0542	-34	685	698	FENPDPVLIPVGYK									Mascot		
	1618.851	1618.717	-0.134	-83	1381	1394	TLLGLMEDYVHSK									Mascot		
	1624.8037	1624.8014	-0.0023	-1	1246	1258	HQLENLEESVRDR									Mascot		
	1624.8152	1624.8014	-0.0138	-8	377	391	YKCGADFLPSPLASR									Mascot		
	1719.8041	1719.884	0.0799	46	72	87	DAKGCTPPVSTCQDLK			Carbamidomethyl (C)[5]						Mascot		
	1781.9102	1781.9781	0.0679	38	872	888	YSVSTSVICEIGPASLR									Mascot		
	1781.9102	1781.9781	0.0679	38	872	888	YSVSTSVICEIGPASLR									Mascot		
	1838.9316	1838.8909	-0.0407	-22	872	888	YSVSTSVICEIGPASLR			Carbamidomethyl (C)[9]						Mascot		
	2066.0779	2066.0371	-0.0408	-20	1789	1805	EHTDKLNTQVALHQLYR									Mascot		
	2136.1118	2136.0969	-0.0149	-7	329	347	NINQKLLAIVTACYTDNG K			Carbamidomethyl (C)[13]						Mascot		
	3337.5974	3337.7339	0.1365	41	1086	1113	TFVQLDNLQMELTPFAYY PNPTFDELSK			Oxidation (M)[10]						Mascot		
28	PREDICTED: protein-glutamine gamma-glutamyltransferase 2-like [Danio rerio]				gi 326668941		74951.8	5.69	11	35	0							
Peptide Information																		
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	%	Modification	Rank	Result	Type				
	862.4338	862.4818	0.048	56	16	22	VDLECVK				Carbamidomethyl (C)[5]		Mascot					
	994.4774	994.5829	0.1055	106	196	203	CNPVYVSR				Carbamidomethyl (C)[1]		Mascot					
	1045.5425	1045.5667	0.0242	23	437	445	AVYTEAVHR						Mascot					
	1571.6425	1571.7905	0.148	94	1	15	MCSSSSSNTPDQGVR				Oxidation (M)[1]		Mascot					
	1582.8013	1582.7301	-0.0712	-45	524	537	ALSFTLPYSAYGHR						Mascot					
	1587.7723	1587.7875	0.0152	10	138	150	QEYIMSEQGVLYK						Mascot					
	1618.8403	1618.717	-0.1233	-76	538	551	MLENNCIKVSIAIR				Carbamidomethyl (C)[6]		Mascot					
	1624.8541	1624.8014	-0.0527	-32	413	427	AVGSSSRDLITDLYK						Mascot					

	1624.8541	1624.8014	-0.0527	-32	413	427	AVGSSSRDITDLYK											Mascot
	1960.923	1960.9794	0.0564	29	255	270	YGQCWVFAAVMCTVLR										Carbamidomethyl (C)[4,12]	Mascot
	2211.0017	2211.1106	0.1089	49	2	22	CSSSSSNTPDQGVVDL ECVK											Mascot
	2248.0598	2248.1423	0.0825	37	271	290	CLGIPCRVVTNYQSAHDT DR											Mascot
29	novel protein similar to vertebrate kinesin family member 5A (KIF5A) [Danio rerio]				gi 169158591		96952.9	5.41	13	35	0	5	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5117	882.5694	0.0577	65	596	602	LYISKMK					Mascot
907.4917	907.4691	-0.0226	-25	603	610	SEVKSMVK					Mascot
1001.4832	1001.566	0.0828	83	547	554	EMANHQKK			Oxidation (M)[2]		Mascot
1053.6051	1053.576	-0.0291	-28	640	648	ISQHEAKIK					Mascot
1053.6051	1053.576	-0.0291	-28	640	648	ISQHEAKIK					Mascot
1386.7046	1386.6051	-0.0995	-72	678	689	ISAEKVVHAMEK			Oxidation (M)[10]		Mascot
1571.8275	1571.7905	-0.037	-24	566	580	DLTEIGIAVGNNDIK					Mascot
1624.7314	1624.8014	0.07	43	1	14	MADPAECTIKVMCR	7	0	Carbamidomethyl (C)[13]		Mascot
1624.7314	1624.8014	0.07	43	1	14	MADPAECTIKVMCR			Carbamidomethyl (C)[7]		Mascot
1790.8741	1790.9106	0.0365	20	327	341	NTVCVNVELTAEQWK			Carbamidomethyl (C)[4]		Mascot
1838.8674	1838.8909	0.0235	13	188	203	SNRHVAVTNMNEHSSR					Mascot
1861.9476	1861.932	-0.0156	-8	327	342	NTVCVNVELTAEQWKK					Mascot
1970.9198	1971.0005	0.0807	41	296	313	TTIVICCSPSAFNEAETK			Carbamidomethyl (C)[6]		Mascot
1970.9198	1971.0005	0.0807	41	296	313	TTIVICCSPSAFNEAETK			Carbamidomethyl (C)[6]		Mascot
2264.1558	2264.1484	-0.0074	-3	581	600	HEGSGLIDEEFTVARLYIS K					Mascot
2284.1819	2284.1797	-0.0022	-1	257	278	SLSSLGNVISALAEGSTY VPYR					Mascot

30 novel protein [Danio rerio] gi|148726576 48128.2 9.12 9 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
893.509	893.416	-0.093	-104	154	161	KLGSDFVK					Mascot
914.5781	914.5472	-0.0309	-34	13	20	ALVKSLQR					Mascot
946.5064	946.4759	-0.0305	-32	5	12	VSVDNRTR					Mascot
946.5064	946.4759	-0.0305	-32	5	12	VSVDNRTR					Mascot
1045.6	1045.5667	-0.0333	-32	17	25	SLQRVTDVK					Mascot
1220.6382	1220.5864	-0.0518	-42	374	383	LDYLQAEGR					Mascot

	1511.8944	1511.7045	-0.1899	-126	404	416	GIVQKLAEWVQLK				Mascot
	1751.8698	1751.9026	0.0328	19	309	324	YETATKTSASTYTSLK				Mascot
	1960.9269	1960.9794	0.0525	27	237	252	SHYLGSCQHMKMWQAIR	Oxidation (M)[11]			Mascot
	2152.0896	2152.093	0.0034	2	409	426	LAEWVQLKADMYDGLPF R				Mascot
31	PREDICTED: zinc finger protein 180-like [Danio rerio]	q 292613218	41233.8	9.06	8	35	0	12	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
893.4474	893.416	-0.0314	-35	74	82	SFGGNGNLK					Mascot
907.4268	907.4691	0.0423	47	39	45	EEEHVK					Mascot
1001.4178	1001.566	0.1482	148	66	73	FTCTQCGK			Carbamidomethyl (C)[3,6]		Mascot
1109.5269	1109.5858	0.0589	53	302	310	SSHLNQHMR					Mascot
1556.7499	1556.7462	-0.0037	-2	298	310	SFGRSSHLNQHMR					Mascot
1582.7543	1582.7301	-0.0242	-15	242	254	SFGRSSYLNQHMR					Mascot
1624.8013	1624.8014	0.0001	0	270	282	IFGRSSYLNQHMR	12	0	Oxidation (M)[12]		Mascot
1624.8013	1624.8014	0.0001	0	270	282	IFGRSSYLNQHMR			Oxidation (M)[12]		Mascot
2211.0432	2211.1106	0.0674	30	227	245	IHTGEKPFCTQCGKSFG R			Carbamidomethyl (C)[10,13]		Mascot

32	RecName: Full=Tudor domain-containing protein 7B	gi 334351210	121757	8.62	14	35	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4495	864.4891	0.0396	46	939	945	MEEKALK			Oxidation (M)[1]		Mascot
870.4679	870.542	0.0741	85	984	991	HELVSGTK					Mascot
914.5305	914.5472	0.0167	18	867	875	KTSPPLGSK					Mascot
916.441	916.4868	0.0458	50	465	472	YIGEGYSK					Mascot
946.5567	946.4759	-0.0808	-85	578	586	KLESIATGK					Mascot
946.5567	946.4759	-0.0808	-85	578	586	KLESIATGK					Mascot
1109.5811	1109.5858	0.0047	4	122	130	TSLRQPDHR					Mascot
1161.5609	1161.5631	0.0022	2	367	375	LYQDTYKCK					Mascot
1419.7743	1419.7164	-0.0579	-41	956	966	VENNWYRVLVK					Mascot
1519.8114	1519.7588	-0.0526	-35	404	416	AILYAKVVEDENR					Mascot
1582.7782	1582.7301	-0.0481	-30	1054	1066	VMIYLVDTSQEER					Mascot
1751.8281	1751.9026	0.0745	43	949	962	NQVCAAKVENNWYR			Carbamidomethyl (C)[4]		Mascot
2152.1497	2152.093	-0.0567	-26	13	32	AVLQSSKSGLSLSDLQVEYK					Mascot

	2225.1013	2225.1245	0.0232	10	925	942	LVVLMGEMILHYNKMEEK				Oxidation (M)[5,8,15]	Mascot
	2283.0308	2283.1802	0.1494	65	1067	1085	DIWLHDIMAEFTDEMTKT A				Oxidation (M)[8]	Mascot
33	PREDICTED: neuroblast differentiation-associated protein AHNAK [Danio rerio]					gi 292618776	360101	9.01	26	34	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	%	Modification	Rank Result Type
	845.4727	845.4667	-0.006	-7	584	591	SPDASKLK					Mascot
	864.4681	864.4891	0.021	24	3301	3307	MNVLKLM				Oxidation (M)[1]	Mascot
	914.5822	914.5472	-0.035	-38	2414	2421	LPKFGKPK					Mascot
	946.572	946.4759	-0.0961	-102	2520	2528	FGLSGPKLK					Mascot
	946.572	946.4759	-0.0961	-102	1135	1143	FGLSGPKLK					Mascot
	1109.533	1109.5858	0.0528	48	2227	2236	MPSLNMSGLK				Oxidation (M)[1,6]	Mascot
	1176.6107	1176.6029	-0.0078	-7	472	482	TGLDSTDINIK					Mascot
	1363.6926	1363.6586	-0.034	-25	2319	2330	TPEMDLSAPKFK					Mascot
	1419.6937	1419.7164	0.0227	16	2084	2095	TPDMDLSPPRFK				Oxidation (M)[4]	Mascot
	1542.8599	1542.7043	-0.1556	-101	132	145	SKVNIATLLQNADR					Mascot
	1556.6608	1556.7462	0.0854	55	146	158	MCLAPSETEFDEK				Carbamidomethyl (C)[2]	Mascot
	1582.827	1582.7301	-0.0969	-61	3073	3086	MHANNFAIPRGNIK					Mascot
	1735.7744	1735.8815	0.1071	62	3246	3258	RHYTTDDICYTYK				Carbamidomethyl (C)[9]	Mascot
	1735.7744	1735.8815	0.1071	62	3246	3258	RHYTTDDICYTYK				Carbamidomethyl (C)[9]	Mascot
	1781.8119	1781.9781	0.1662	93	1581	1596	TDLTVPDMDMPSGKMK				Oxidation (M)[8]	Mascot
	1781.8119	1781.9781	0.1662	93	2279	2294	TDLTVPDMDMPSGKMK				Oxidation (M)[8]	Mascot
	1790.8524	1790.9106	0.0582	32	3209	3224	TENLPVRNSNMGMSPK				Oxidation (M)[11]	Mascot
	1832.9324	1832.9417	0.0093	5	2794	2810	GHKPDITAPDMNVNVPK					Mascot
	1859.8844	1859.8964	0.012	6	2393	2409	GNKPDITGPDMDFDIPK					Mascot
	1859.9904	1859.8964	-0.094	-51	1287	1303	LNMAKPKMPSLNMSGLK					Mascot
	1960.9321	1960.9794	0.0473	24	2077	2093	TPDYDLKTPDMDLSPPR					Mascot
	1970.9232	1971.0005	0.0773	39	333	351	AALSGPKMMTSEMDVST SK					Mascot
	1970.9232	1971.0005	0.0773	39	333	351	AALSGPKMMTSEMDVST SK					Mascot
	1992.9695	1993.1134	0.1439	72	1948	1965	GGIDTPDMDLTLRQADFK					Mascot
	1992.9695	1993.1134	0.1439	72	1948	1965	GGIDTPDMDLTLRQADFK					Mascot
	2065.9602	2066.0371	0.0769	37	2493	2511	GMTTDLTPPDINMPSGK MK				Oxidation (M)[2,13]	Mascot
	2120.0803	2120.1094	0.0291	14	2258	2278	LNAGMSSPDIDIHGPKLK GPK				Oxidation (M)[5]	Mascot
	2135.9663	2136.0969	0.1306	61	2689	2708	GPHMDADIDHPDLNLSA SSK				Oxidation (M)[4]	Mascot

	2225.0464	2225.1245	0.0781	35	1248	1267	IKGGIDTPDMDMTLPQAD FK					Oxidation (M)[10,12]	Mascot
	2283.1648	2283.1802	0.0154	7	2583	2603	KPNIDMNAPDLDINSPSG KLK					Oxidation (M)[6]	Mascot
	2284.1853	2284.1797	-0.0056	-2	2630	2650	TPQIKGGIDTPDMDLNL QAK					Oxidation (M)[13]	Mascot
34	PREDICTED: zinc finger protein 502-like [Danio rerio] gi 326667257 34114.4 9.49 11 34 0												

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4553	842.5123	0.057	68	285	291	SLINHMK					Mascot
862.4702	862.4818	0.0116	13	2	8	ENLMVLK			Oxidation (M)[4]		Mascot
916.5071	916.4868	-0.0203	-22	36	43	TSSRGRPR					Mascot
994.5237	994.5829	0.0592	60	252	260	SLTCKDSIK					Mascot
1001.5275	1001.566	0.0385	38	265	272	IHSGERFR					Mascot
1197.5793	1197.5883	0.009	8	146	155	QNGNLEVHMR					Mascot
1735.8254	1735.8815	0.0561	32	72	86	VHTGEKPYTCKQCGK			Carbamidomethyl (C)[10]		Mascot
1735.8254	1735.8815	0.0561	32	72	86	VHTGEKPYTCKQCGK			Carbamidomethyl (C)[10]		Mascot
1781.8058	1781.9781	0.1723	97	156	170	THTGERSFICTQCGK			Carbamidomethyl (C)[10,13]		Mascot
1781.8058	1781.9781	0.1723	97	156	170	THTGERSFICTQCGK			Carbamidomethyl (C)[10,13]		Mascot
1832.8748	1832.9417	0.0669	37	112	127	YGKSFYTTGNLAAHMR			Oxidation (M)[15]		Mascot
1970.9575	1971.0005	0.043	22	83	99	QCGKSFYTIGNLTVHMR			Oxidation (M)[16]		Mascot
1970.9575	1971.0005	0.043	22	83	99	QCGKSFYTIGNLTVHMR			Oxidation (M)[16]		Mascot
2099.9524	2100.0022	0.0498	24	128	145	IHTGEEPYSCLQCGKSYK			Carbamidomethyl (C)[10]		Mascot

35 PREDICTED: e3 ubiquitin-protein ligase HERC2, partial [Danio rerio] gi|326668760 399265.3 6.21 26 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4267	842.5123	0.0856	102	1467	1473	WGSVTHR					Mascot
855.4067	855.4388	0.0321	38	301	307	THQEQR					Mascot
862.4927	862.4818	-0.0109	-13	676	682	ISTRVMR					Mascot
907.4605	907.4691	0.0086	9	1578	1584	RHHSSQR					Mascot
994.4622	994.5829	0.1207	121	895	902	TERSQDMK					Mascot
1045.5524	1045.5667	0.0143	14	806	815	ILVESGANDK					Mascot
1053.5648	1053.576	0.0112	11	533	541	MLLEVTFGK			Oxidation (M)[1]		Mascot
1053.5648	1053.576	0.0112	11	533	541	MLLEVTFGK	4	0	Oxidation (M)[1]		Mascot
1176.5864	1176.6029	0.0165	14	1378	1387	ENIQVGMMVR					Mascot

1179.6343	1179.666	0.0317	27	3592	3600	LKYAIHFCK	Carbamidomethyl (C)[8]	Mascot
1179.6343	1179.666	0.0317	27	3592	3600	LKYAIHFCK	Carbamidomethyl (C)[8]	Mascot
1197.5316	1197.5883	0.0567	47	1822	1832	VYACGEATNGR	Carbamidomethyl (C)[4]	Mascot
1355.6525	1355.6809	0.0284	21	2269	2279	VSPHPWMDSKR	Oxidation (M)[7]	Mascot
1355.6525	1355.7896	0.1371	101	2269	2279	VSPHPWMDSKR	Oxidation (M)[7]	Mascot
1419.7451	1419.7164	-0.0287	-20	3222	3233	DRQHGPVVELNR		Mascot
1511.7383	1511.7045	-0.0338	-22	2462	2474	RHDPLTIMDGANR	Oxidation (M)[8]	Mascot
1542.641	1542.7043	0.0633	41	370	382	SESADLEECKMER	Oxidation (M)[11]	Mascot
1556.908	1556.7462	-0.1618	-104	2998	3012	VPMKIDSLTGLGVVK		Mascot
1582.9026	1582.7301	-0.1725	-109	1631	1643	LELFPDMLVHKLK		Mascot
1587.8345	1587.7875	-0.047	-30	1894	1906	MNCDKPRLIEALK	Carbamidomethyl (C)[3]	Mascot
1624.917	1624.8014	-0.1156	-71	2701	2714	RSPLPRPFLDEVAK		Mascot
1624.917	1624.8014	-0.1156	-71	2701	2714	RSPLPRPFLDEVAK		Mascot
1838.8715	1838.8909	0.0194	11	1579	1593	HHSSQRGMLIDEWSR		Mascot
1859.7034	1859.8964	0.193	104	1534	1548	SCDDDFDFCESCFKTR	Carbamidomethyl (C)[2]	Mascot
1859.7034	1859.8964	0.193	104	1534	1548	SCDDDFDFCESCFKTR	Carbamidomethyl (C)[2]	Mascot
1861.6648	1861.932	0.2672	144	1532	1546	CRSCDDDFDFCESCFK	Carbamidomethyl (C)[1]	Mascot
1961.0273	1960.9794	-0.0479	-24	2203	2219	QQALSHVLSSLQIMYAR	Oxidation (M)[14]	Mascot
2211.1665	2211.1106	-0.0559	-25	1261	1280	TSPVPPAPIVLQLMEMGF QR		Mascot
2233.1255	2233.0947	-0.0308	-14	3327	3345	DCFLLNPAAKSPLHISMF R	Carbamidomethyl (C)[2], Oxidation (M)[17]	Mascot
2264.0864	2264.1484	0.062	27	380	400	MEREGTNEEPAPLSPA PVDK		Mascot
2284.2158	2284.1797	-0.0361	-16	533	551	MLLEVTFGKLYAWSIQNV R	Oxidation (M)[1]	Mascot

36

PREDICTED: inactive ubiquitin carboxyl-terminal hydrolase 53-like [Danio rerio]

gi|326663976

107397.4

8.94

14

34

0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.4944	870.542	0.0476	55	816	822	TPPFRPR					Mascot
893.3781	893.416	0.0379	42	947	953	MENQSER					Mascot
916.4886	916.4868	-0.0018	-2	67	74	HALAETFK					Mascot
994.4622	994.5829	0.1207	121	377	385	TPMQSSTSR					Mascot
1053.5323	1053.576	0.0437	41	435	444	LSSPPENGPR					Mascot
1053.5323	1053.576	0.0437	41	435	444	LSSPPENGPR					Mascot
1109.5004	1109.5858	0.0854	77	477	487	SNQGMASGVSR			Oxidation (M)[5]		Mascot
1220.6211	1220.5864	-0.0347	-28	268	277	HYLAFAFHSK					Mascot

1355.6887	1355.6809	-0.0078	-6	531	540	RQQQQQQQQR							Mascot
1355.6887	1355.7896	0.1009	74	531	540	RQQQQQQQQR							Mascot
1419.6831	1419.7164	0.0333	23	190	202	NCPSNCGQSIKIR							Mascot
1511.7775	1511.7045	-0.073	-48	15	28	SYQPGSMISLALTK					Oxidation (M)[7]		Mascot
1571.7369	1571.7905	0.0536	34	560	572	QKGLMTIYEDDSR					Oxidation (M)[5]		Mascot
1832.8998	1832.9417	0.0419	23	461	476	TEHSSVHPRVSPQESR							Mascot
1859.9697	1859.8964	-0.0733	-39	918	932	YHHQRPLVLSMPEPR							Mascot
1859.9697	1859.8964	-0.0733	-39	918	932	YHHQRPLVLSMPEPR							Mascot
2248.0518	2248.1423	0.0905	40	786	806	SSYPWEESAIQSGPSIAS HSK							Mascot

37 truncated RAF1 [Danio rerio] gi|41224402 32290.4 9.5 8 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
845.3934	845.4667	0.0733	87	33	40	SPAPCQSR					Mascot
882.4791	882.5694	0.0903	102	215	222	IPSSSVHR					Mascot
946.5567	946.4759	-0.0808	-85	10	18	TVTNGLLTK					Mascot
946.5567	946.4759	-0.0808	-85	10	18	TVTNGLLTK					Mascot
1001.5526	1001.566	0.0134	13	53	60	VFLPNQQR					Mascot
1045.452	1045.5667	0.1147	110	165	172	FHEHCSTK			Carbamidomethyl (C)[5]		Mascot
1371.7855	1371.6747	-0.1108	-81	50	60	TIRVFLPNQQR					Mascot
1371.7855	1371.6747	-0.1108	-81	50	60	TIRVFLPNQQR					Mascot
1556.7843	1556.7462	-0.0381	-24	19	32	DSVFESSYVSPVIK					Mascot
2211.0908	2211.1106	0.0198	9	81	99	VRGLQPECCAVFSLHPG QR			Carbamidomethyl (C)[8,9]		Mascot

38 PREDICTED: GDH/6PGL endoplasmic bifunctional protein-like [Danio rerio] gi|326668807 89431.1 6.59 11 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
845.4515	845.4667	0.0152	18	210	216	IDHYLGK					Mascot
855.373	855.4388	0.0658	77	121	127	TAEDYEK					Mascot
1179.6117	1179.666	0.0543	46	369	378	ALDERVSYAR					Mascot
1179.6117	1179.666	0.0543	46	369	378	ALDERVSYAR					Mascot
1371.8093	1371.6747	-0.1346	-98	245	256	IEIVLKETLDAK					Mascot
1371.8093	1371.6747	-0.1346	-98	245	256	IEIVLKETLDAK					Mascot
1386.7739	1386.6051	-0.1688	-122	210	221	IDHYLGKQVVSK					Mascot

	1618.9275	1618.717	-0.2105	-130	716	729	LVTLTESPIKPHQR						Mascot
	1624.8118	1624.8014	-0.0104	-6	461	474	EAYGELISHVFFGR						Mascot
	1624.8118	1624.8014	-0.0104	-6	461	474	EAYGELISHVFFGR						Mascot
	1735.8319	1735.8815	0.0496	29	553	567	SSEMISAWAQLVER						Mascot
	1735.8319	1735.8815	0.0496	29	553	567	SSEMISAWAQLVER						Mascot
	1751.8269	1751.9026	0.0757	43	553	567	SSEMISAWAQLVER			Oxidation (M)[4]			Mascot
	1861.9918	1861.932	-0.0598	-32	505	521	IYPGGVSNGNLLNFQLR						Mascot
	1993.1188	1993.1134	-0.0054	-3	29	48	QSLGHVTVVVGGTGDL ARK						Mascot
	1993.1188	1993.1134	-0.0054	-3	29	48	QSLGHVTVVVGGTGDL ARK						Mascot
	2248.1287	2248.1423	0.0136	6	1	19	MENTGIWELLMAICGQ R			Carbamidomethyl (C)[16]			Mascot
	2264.1235	2264.1484	0.0249	11	1	19	MENTGIWELLMAICGQ R			Carbamidomethyl (C)[16], Oxidation (M)[1]			Mascot
39	novel lipin protein [Danio rerio]				gi 220673084		33713	5.92	7	33	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
916.4345	916.4868	0.0523	57	129	135	FLYCSAR			Carbamidomethyl (C)[4]		Mascot
981.4492	981.5854	0.1362	139	136	144	AIGMADMTR			Oxidation (M)[4]		Mascot
1511.6708	1511.7045	0.0337	22	2	15	KEESSSSDEDLSAK					Mascot
1838.9282	1838.8909	-0.0373	-20	212	227	DTDVFSYKEVGVLNR					Mascot
1970.9758	1971.0005	0.0247	13	195	211	NLFLPNTEPFYAAFGR					Mascot
1970.9758	1971.0005	0.0247	13	195	211	NLFLPNTEPFYAAFGR					Mascot
2120.0164	2120.1094	0.093	44	136	153	AIGMADMTRGYLHWVNE R					Mascot
2136.0112	2136.0969	0.0857	40	136	153	AIGMADMTRGYLHWVNE R			Oxidation (M)[4]		Mascot
2152.0061	2152.093	0.0869	40	136	153	AIGMADMTRGYLHWVNE R			Oxidation (M)[4,7]		Mascot
2247.9287	2248.1423	0.2136	95	266	284	SSSSDFPCSDTFSQFTY WR					Mascot

40 Wingless-type MMTV integration site family, member 16 gi|42542493 26754.7 9.08 9 33 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
855.3699	855.4388	0.0689	81	90	96	TMLTDCR			Oxidation (M)[2]		Mascot
907.4995	907.4691	-0.0304	-33	55	62	RFIDSAK					Mascot
916.5322	916.4868	-0.0454	-50	174	182	LGVTGTRGR					Mascot
994.5792	994.5829	0.0037	4	2	11	AAGLVHAVTR					Mascot

1161.5139	1161.5631	0.0492	42	97	107	CHGVSGSCAVK	Carbamidomethyl (C)[1,8]	Mascot
1371.6296	1371.6747	0.0451	33	108	118	TCWRTMAAFER		Mascot
1371.6296	1371.6747	0.0451	33	108	118	TCWRTMAAFER		Mascot
1419.7227	1419.7164	-0.0063	-4	127	138	YETSVHVVDRSK		Mascot
1442.5167	1442.6982	0.1815	126	229	239	CETMNDMHTCK	Carbamidomethyl (C)[1,10], Oxidation (M)[4]	Mascot
1582.6229	1582.7301	0.1072	68	228	239	RCETMNDMHTCK	Carbamidomethyl (C)[2,11]	Mascot

41 PREDICTED: rho GTPase-activating protein 21-like [Danio rerio] gi|326679518 211650.9 8.29 19 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
862.5145	862.4818	-0.0327	-38	934	940	QIYAVLR					Mascot
893.4474	893.416	-0.0314	-35	1377	1385	SKGSWGSGK					Mascot
916.5098	916.4868	-0.023	-25	84	92	VNGESIIGK					Mascot
1045.5248	1045.5667	0.0419	40	372	379	RLYMYGSR					Mascot
1053.4377	1053.576	0.1383	131	888	896	CSEDSGSRR			Carbamidomethyl (C)[1]		Mascot
1053.5186	1053.576	0.0574	54	941	948	GHCLYLYK			Carbamidomethyl (C)[3]		Mascot
1161.5609	1161.5631	0.0022	2	1	10	MSFLFSSQAK			Oxidation (M)[1]		Mascot
1176.5239	1176.6029	0.079	67	71	80	DEDNISRGDR					Mascot
1197.6123	1197.5883	-0.024	-20	1829	1837	DWIVSEHRR					Mascot
1220.5464	1220.5864	0.04	33	1186	1196	GMADIDIQDDK					Mascot
1386.6694	1386.6051	-0.0643	-46	447	458	LGGAECARNWPR			Carbamidomethyl (C)[6]		Mascot
1571.7952	1571.7905	-0.0047	-3	126	139	DITALAYSQDAYLK					Mascot
1790.8627	1790.9106	0.0479	27	1838	1855	RGSQGSQASTELEGQAGK					Mascot
1861.955	1861.932	-0.023	-12	1143	1158	FVPLIVECCNLVEER					Mascot
1992.9583	1993.1134	0.1551	78	1039	1056	EYNTLMSPSSKTEPSPK					Mascot
1992.9583	1993.1134	0.1551	78	1039	1056	EYNTLMSPSSKTEPSPK					Mascot
2066.1077	2066.0371	-0.0706	-34	623	640	TPLIANHMPHNAKLQPR					Mascot
2151.9829	2152.093	0.1101	51	897	915	DSNSDVFTDATKEGSLYFR					Mascot
2248.0549	2248.1423	0.0874	39	477	496	AYSCDYLGGRNSDIATSIIVDK			Carbamidomethyl (C)[4]		Mascot
2283.0723	2283.1802	0.1079	47	1781	1799	HTMGGQRDFAELDVIHDWR					Mascot

42 v-raf-1 murine leukemia viral oncogene homolog 1a [Danio rerio] gi|289449304 70289 9.46 11 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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												Seq.	Seq.	Score					
	845.3934	845.4667	0.0733	87	33	40	SPAPCQSR											Mascot	
	882.4791	882.5694	0.0903	102	215	222	IPSSSVHR											Mascot	
	946.5389	946.4759	-0.063	-67	563	570	LVADCIKK										Carbamidomethyl (C)[5]	Mascot	
	946.5567	946.4759	-0.0808	-85	10	18	TVTNGLLTK											Mascot	
	1001.5526	1001.566	0.0134	13	53	60	VFLPNQQR											Mascot	
	1045.452	1045.5667	0.1147	110	165	172	FHEHCSTK										Carbamidomethyl (C)[5]	Mascot	
	1371.7855	1371.6747	-0.1108	-81	50	60	TIRVFLPNQQR											Mascot	
	1371.7855	1371.6747	-0.1108	-81	50	60	TIRVFLPNQQR											Mascot	
	1556.7843	1556.7462	-0.0381	-24	19	32	DSVFESSYVSPVIK											Mascot	
	1582.812	1582.7301	-0.0819	-52	381	393	HVNILLFMGYMTK										Oxidation (M)[8]	Mascot	
	1861.9476	1861.932	-0.0156	-8	447	462	DMKSNNIFLHEGLTVK										Oxidation (M)[2]	Mascot	
	2211.0908	2211.1106	0.0198	9	81	99	VRGLQPECCAVFSLHPG QR										Carbamidomethyl (C)[8,9]	Mascot	
43	CXC chemokine 64 [Danio rerio]				gij187608560			11150.2	10.14	6	32	0							
Peptide Information																			
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence			Ion Score	C. I. %	Modification					Rank	Result Type	
	855.5046	855.4388	-0.0658	-77	22	28	IPDLKNR											Mascot	
	1045.6326	1045.5667	-0.0659	-63	59	67	LEIVVTLMK											Mascot	
	1519.7355	1519.7588	0.0233	15	29	42	CLCADKGANNVNLK						Carbamidomethyl (C)[1]					Mascot	
	1542.8308	1542.7043	-0.1265	-82	73	86	CLNPESNLGKNILK											Mascot	
	1971.0441	1971.0005	-0.0436	-22	2	19	KTAAAFVALGCFLMVEVK						Carbamidomethyl (C)[11], Oxidation (M)[14]					Mascot	
	1971.0441	1971.0005	-0.0436	-22	3	21	TAAAFVALGCFLMVEVK GK						Oxidation (M)[13]					Mascot	
44	plexin b2b [Danio rerio]				gij309243104			203041.6	6.62	18	32	0							
Peptide Information																			
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence			Ion Score	C. I. %	Modification					Rank	Result Type	
	870.4791	870.542	0.0629	72	1699	1705	TEHKLSR											Mascot	
	907.4995	907.4691	-0.0304	-33	372	378	DIVNRYK											Mascot	
	914.473	914.5472	0.0742	81	908	914	TVQFTYR											Mascot	
	994.5502	994.5829	0.0327	33	479	487	VPVQACHLK											Mascot	
	1109.4714	1109.5858	0.1144	103	488	497	QDCQSCVAQK											Mascot	
	1442.7849	1442.6982	-0.0867	-60	1175	1187	RDTGSDPLDLLIK											Mascot	
	1511.6406	1511.7045	0.0639	42	498	509	DPYCGWCVLEGR						Carbamidomethyl (C)[4,7]					Mascot	

	1519.8148	1519.7588	-0.056	-37	1114	1127	SVITENSMIIVTGR							Mascot
	1542.8196	1542.7043	-0.1153	-75	1585	1597	SMTKAITEIYLTR			Oxidation (M)[2]				Mascot
	1587.8417	1587.7875	-0.0542	-34	685	698	FENPDPVLIPVGYS							Mascot
	1618.851	1618.717	-0.134	-83	1345	1358	TLLLGLMEDYVHSG							Mascot
	1624.8037	1624.8014	-0.0023	-1	1246	1258	HQLENLEESVRDR							Mascot
	1624.8152	1624.8014	-0.0138	-8	377	391	YKCGADFLPSPLASR							Mascot
	1719.8041	1719.884	0.0799	46	72	87	DAKGCTPPVSTCQDLK			Carbamidomethyl (C)[5]				Mascot
	1781.9102	1781.9781	0.0679	38	872	888	YSVSTSVICEIGPASLR							Mascot
	1781.9102	1781.9781	0.0679	38	872	888	YSVSTSVICEIGPASLR							Mascot
	1838.9316	1838.8909	-0.0407	-22	872	888	YSVSTSVICEIGPASLR			Carbamidomethyl (C)[9]				Mascot
	2066.0779	2066.0371	-0.0408	-20	1753	1769	EHTDKLNTQVALHQLYR							Mascot
	2136.1118	2136.0969	-0.0149	-7	329	347	NINQKLLAIVTACYTDNG K			Carbamidomethyl (C)[13]				Mascot
	3337.5974	3337.7339	0.1365	41	1086	1113	TFVQLDNLQMEITPFAYY PNPTFDELSK			Oxidation (M)[10]				Mascot
45	phosphorylase, glycogen (muscle) b [Danio rerio]				gi 41054784		36631.2	6.27	8	32	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
893.4151	893.416	0.0009	1	186	192	YGNPWEEK					Mascot
994.5832	994.5829	-0.0003	0	35	42	HLHFTLVK					Mascot
1045.5525	1045.5667	0.0142	14	2	10	SKPLTDQEK					Mascot
1176.5929	1176.6029	0.01	8	1	10	MSKPLTDQEK					Mascot
1355.6742	1355.6809	0.0067	5	51	61	DYYFALAHTVR					Mascot
1355.6742	1355.7896	0.1154	85	51	61	DYYFALAHTVR					Mascot
1442.678	1442.6982	0.0202	14	236	246	NNMLMHDRFK					Mascot
1511.7754	1511.7045	-0.0709	-47	50	61	RDYYFALAHTVR					Mascot
1556.7454	1556.7462	0.0008	1	83	94	VYYLSLEFYMGR			Oxidation (M)[10]		Mascot

46	novel protein similar to vertebrate syntaxin binding protein 6 (amisyn) (STXBP6) [Danio rerio]				gi 94734057		31605.2	10.27	9	32	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
893.5025	893.416	-0.0865	-97	189	195	CKIFLNR					Mascot
916.5098	916.4868	-0.023	-25	150	158	TPGAVESKK					Mascot
1045.5748	1045.5667	-0.0081	-8	237	245	RASQVLSEK					Mascot
1179.5536	1179.666	0.1124	95	198	207	TSMTANQDRR					Mascot

	1179.5536	1179.666	0.1124	95	198	207	TSMTANQDRR						Mascot
	1571.7379	1571.7905	0.0526	33	175	188	LMGDACSVNMVIYR						Mascot
	1587.7328	1587.7875	0.0547	34	175	188	LMGDACSVNMVIYR				Oxidation (M)[2]		Mascot
	1790.849	1790.9106	0.0616	34	159	174	SPAATNQTNFINCQPK				Carbamidomethyl (C)[13]		Mascot
	1859.8634	1859.8964	0.033	18	175	190	LMGDACSVNMVIYRCK				Carbamidomethyl (C)[6]		Mascot
	1859.8634	1859.8964	0.033	18	175	190	LMGDACSVNMVIYRCK				Carbamidomethyl (C)[6]		Mascot
	1861.9225	1861.932	0.0095	5	158	174	KSPAATNQTNFINCQPK						Mascot
	2233.0027	2233.0947	0.092	41	119	136	CMFVQVLYHACQNFWEA K				Oxidation (M)[2]		Mascot
47	methionyl aminopeptidase 1 [Danio rerio]				gi 220679064		45363	6.14	8	32	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
845.5025	845.4667	-0.0358	-42	159	165	VVCKLAR			Carbamidomethyl (C)[3]		Mascot
864.4243	864.4891	0.0648	75	19	26	SMAAVETR					Mascot
914.5305	914.5472	0.0167	18	289	296	ELGNIIQK					Mascot
1001.4621	1001.566	0.1039	104	308	316	SYCGHGIHK					Mascot
1719.8767	1719.884	0.0073	4	148	162	ILNAEEIEGMRVVCK			Oxidation (M)[10]		Mascot
1832.8088	1832.9417	0.1329	73	210	226	SCCTSVNEVICHGIPDR					Mascot
2225.0781	2225.1245	0.0464	21	297	316	HAQANGFSVRSYCGHG IHK			Carbamidomethyl (C)[14]		Mascot
2248.1277	2248.1423	0.0146	6	372	391	SAQFEHTLLVTETGCEILT R					Mascot

48 V-type proton ATPase subunit C 1-A [Danio rerio] gi|41151984 44286.9 6.93 8 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4573	864.4891	0.0318	37	232	238	KAIDDFR					Mascot
893.4839	893.416	-0.0679	-76	243	249	ENKFTVR					Mascot
1001.5162	1001.566	0.0498	50	233	240	AIDDFRHK					Mascot
1386.7335	1386.6051	-0.1284	-93	128	139	QVSQIDNDLKAR					Mascot
1442.7137	1442.6982	-0.0155	-11	105	115	FQWDMAKYPIK			Oxidation (M)[5]		Mascot
1624.7999	1624.8014	0.0015	1	71	84	KVAQYMADVLEDSR	4	0			Mascot
1624.7999	1624.8014	0.0015	1	71	84	KVAQYMADVLEDSR					Mascot
1832.9501	1832.9417	-0.0084	-5	29	44	TNNLSTNNKFNIPDLK					Mascot
1961.0677	1960.9794	-0.0883	-45	310	326	YGLPVNFQAMLLQPNKK					Mascot

49 novel protein [Danio rerio] gi|169146110 25865.2 5.07 7 32 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
893.4475	893.416	-0.0315	-35	26	32 NTFVQER					Mascot
914.5166	914.5472	0.0306	33	88	95 QLAAAERR					Mascot
1045.5411	1045.5667	0.0256	24	99	107 VIADLEEEK					Mascot
1179.5319	1179.666	0.1341	114	73	82 LVMAHCTNMK			Oxidation (M)[3,9]		Mascot
1179.5319	1179.666	0.1341	114	73	82 LVMAHCTNMK			Oxidation (M)[3,9]		Mascot
1220.5585	1220.5864	0.0279	23	73	82 LVMAHCTNMK			Carbamidomethyl (C)[6], Oxidation (M)[3]		Mascot
1386.7335	1386.6051	-0.1284	-93	129	139 DRLLQQLESER					Mascot
1992.8927	1993.1134	0.2207	111	111	128 AQDAAAGDDITDMLERE R			Oxidation (M)[13]		Mascot
1992.8927	1993.1134	0.2207	111	111	128 AQDAAAGDDITDMLERE R			Oxidation (M)[13]		Mascot
2248.2546	2248.1423	-0.1123	-50	2	21 LLSILEGELEAQDVVIHTL R					Mascot
50	cytochrome P450, family 2, subfamily AD, polypeptide 3 gi 70887751 [Danio rerio]					56608.1	6.25	1	20	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
946.4774	946.4759	-0.0015	-2	439	447 ACLGENLAR	20	0		2	Mascot

Gel Idx/Pos	177/H4	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Methylenetetrahydrofolate dehydrogenase (NADP+ dependent) [Danio rerio]	gi 49902652	100427.7	7.28	13	403	100	364	100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
950.4875	950.4852	-0.0023	-2	402	409 LNAFACVR			Carbamidomethyl (C)[6]		Mascot
982.5679	982.567	-0.0009	-1	478	486 LVPLAEGQR					Mascot
1088.6211	1088.615	-0.0061	-6	487	495 KFSPVQINR					Mascot
1155.6885	1155.6885	0	0	878	888 GVPTGFVLPIR					Mascot
1155.6885	1155.6885	0	0	878	888 GVPTGFVLPIR	37	95.174			Mascot
1458.7224	1458.7205	-0.0019	-1	520	531 LDIDPESVTWQR					Mascot

1458.7224	1458.7205	-0.0019	-1	520	531	LDIDPESVTWQR	89	100		Mascot
1592.8165	1592.814	-0.0025	-2	336	349	EIGLLSDEVELYGR	136	100		Mascot
1592.8165	1592.814	-0.0025	-2	336	349	EIGLLSDEVELYGR				Mascot
2125.9893	2125.9878	-0.0015	-1	721	738	EYIEENLTLEAGCANMR			Carbamidomethyl (C)[14]	Mascot
2141.9841	2141.9885	0.0044	2	721	738	EYIEENLTLEAGCANMR			Carbamidomethyl (C)[14], Oxidation (M)[17]	Mascot
2204.105	2204.1025	-0.0025	-1	595	615	SGQPVTTEDLGVCGALT VLMR			Carbamidomethyl (C)[13]	Mascot
2218.1133	2218.1294	0.0161	7	228	249	TGAVVIDCGINTIADSSRP SGK			Carbamidomethyl (C)[8]	Mascot
2220.0999	2220.1204	0.0205	9	595	615	SGQPVTTEDLGVCGALT VLMR			Carbamidomethyl (C)[13], Oxidation (M)[20]	Mascot
2238.1111	2238.1086	-0.0025	-1	657	678	LVGPQGFFVTEAGFGADI GMEK			Oxidation (M)[20]	Mascot
2269.2664	2269.2627	-0.0037	-2	93	112	IHGLIVQLPLDSIHTINTER				Mascot
2269.2664	2269.2627	-0.0037	-2	93	112	IHGLIVQLPLDSIHTINTER	101	100		Mascot
2297.0068	2297.1938	0.187	81	137	156	GDLGDCFIPCTPNGCME LIK			Carbamidomethyl (C)[6,10,15]	Mascot
2500.1309	2500.1299	-0.001	0	775	799	EAGAFDAVPCSHWADG GAGAVDLAR			Carbamidomethyl (C)[10]	Mascot

2 C-1-tetrahydrofolate synthase, cytoplasmic [Danio rerio] gi|41054762 100397.5 7.06 11 302 100 275 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
950.4875	950.4852	-0.0023	-2	402	409	LNAFACVR			Carbamidomethyl (C)[6]		Mascot
982.5679	982.567	-0.0009	-1	478	486	LVPLAEGQR					Mascot
1088.6211	1088.615	-0.0061	-6	487	495	KFSPVQINR					Mascot
1155.6885	1155.6885	0	0	878	888	GVPTGFVLPIR					Mascot
1155.6885	1155.6885	0	0	878	888	GVPTGFVLPIR	37	95.174			Mascot
1592.8165	1592.814	-0.0025	-2	336	349	EIGLLSDEVELYGR	136	100			Mascot
1592.8165	1592.814	-0.0025	-2	336	349	EIGLLSDEVELYGR					Mascot
2125.9893	2125.9878	-0.0015	-1	721	738	EYIEENLTLEAGCANMR			Carbamidomethyl (C)[14]		Mascot
2141.9841	2141.9885	0.0044	2	721	738	EYIEENLTLEAGCANMR			Carbamidomethyl (C)[14], Oxidation (M)[17]		Mascot
2204.105	2204.1025	-0.0025	-1	595	615	SGQPVTTEDLGVCGALT VLMR			Carbamidomethyl (C)[13]		Mascot
2220.0999	2220.1204	0.0205	9	595	615	SGQPVTTEDLGVCGALT VLMR			Carbamidomethyl (C)[13], Oxidation (M)[20]		Mascot
2238.1111	2238.1086	-0.0025	-1	657	678	LVGPQGFFVTEAGFGADI GMEK			Oxidation (M)[20]		Mascot
2269.2664	2269.2627	-0.0037	-2	93	112	IHGLIVQLPLDSIHTINTER					Mascot
2269.2664	2269.2627	-0.0037	-2	93	112	IHGLIVQLPLDSIHTINTER	101	100			Mascot
2297.0068	2297.1938	0.187	81	137	156	GDLGDCFIPCTPNGCME LIK			Carbamidomethyl (C)[6,10,15]		Mascot
2500.1309	2500.1299	-0.001	0	775	799	EAGAFDAVPCSHWADG GAGAVDLAR			Carbamidomethyl (C)[10]		Mascot

3 vitellogenin 1 [Danio rerio] gi|94733730 149140.4 8.74 18 300 100 252 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
888.5301	888.5256	-0.0045	-5	425	432	FATIPALR					Mascot
1023.5105	1023.5066	-0.0039	-4	195	203	DVGLAYTER					Mascot
1088.5405	1088.615	0.0745	68	415	424	MTASLATHEK					Mascot
1097.6677	1097.6646	-0.0031	-3	514	523	VQVDAILALR					Mascot
1115.6935	1115.6925	-0.001	-1	333	341	FVQLVQLLR					Mascot
1115.6935	1115.6925	-0.001	-1	333	341	FVQLVQLLR	52	99.845			Mascot
1121.599	1121.5931	-0.0059	-5	348	356	IEAIWSQFK					Mascot
1382.7889	1382.6827	-0.1062	-77	303	315	ISDAPAQIVEVLK					Mascot
1432.6671	1432.6503	-0.0168	-12	184	194	DLSHCQERIMK			Carbamidomethyl (C)[5], Oxidation (M)[10]		Mascot
1463.8944	1463.8929	-0.0015	-1	532	544	LVQPVALQLVLDR					Mascot
1515.7478	1515.7451	-0.0027	-2	733	745	VFGQEVAYVNFDK					Mascot
1622.8536	1622.8505	-0.0031	-2	668	683	AYLAGAAADVIEFGVR					Mascot
1622.8536	1622.8505	-0.0031	-2	668	683	AYLAGAAADVIEFGVR	121	100			Mascot
1666.8767	1666.8771	0.0004	0	483	498	VMGNAGHPSSLKPIMK					Mascot
1695.8999	1695.8931	-0.0068	-4	119	134	VFAPAGVSPTVMNLHR					Mascot
1699.9377	1699.9332	-0.0045	-3	34	49	YEALLGGLPQEGLAR					Mascot
1699.9377	1699.9332	-0.0045	-3	34	49	YEALLGGLPQEGLAR	80	100			Mascot
1711.8948	1711.8909	-0.0039	-2	119	134	VFAPAGVSPTVMNLHR			Oxidation (M)[12]		Mascot
1954.8745	1954.8737	-0.0008	0	147	163	TQNIYEMQEAGAQQVCR			Carbamidomethyl (C)[16]		Mascot
2269.1975	2269.2627	0.0652	29	1179	1198	ADQKLLGYQLAAYFDKPTAR					Mascot
2269.1975	2269.2627	0.0652	29	1179	1198	ADQKLLGYQLAAYFDKPTAR					Mascot
2299.2292	2299.1831	-0.0461	-20	1039	1058	QINIIDDDTPEGQAFLKL					Mascot
2627.3716	2627.3674	-0.0042	-2	897	920	VEALPVELPEHIASASFET					Mascot

4 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733731 149169.2 8.84 13 275 100 252 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1023.5105	1023.5066	-0.0039	-4	199	207	DVGLAYTER					Mascot
1097.6677	1097.6646	-0.0031	-3	518	527	VQVDAILALR					Mascot
1115.6935	1115.6925	-0.001	-1	337	345	FVQLVQLLR					Mascot

1115.6935	1115.6925	-0.001	-1	337	345	FVQLVQLLR	52	99.845		Mascot
1121.599	1121.5931	-0.0059	-5	352	360	IEAIWSQFK				Mascot
1432.6671	1432.6503	-0.0168	-12	188	198	DLSHCQERIMK			Carbamidomethyl (C)[5], Oxidation (M)[10]	Mascot
1463.8944	1463.8929	-0.0015	-1	536	548	LVQPVALQLVLDR				Mascot
1515.7478	1515.7451	-0.0027	-2	737	749	VFGQEVAYVNFDK				Mascot
1622.8536	1622.8505	-0.0031	-2	672	687	AYLAGAAADVIEFGVR				Mascot
1622.8536	1622.8505	-0.0031	-2	672	687	AYLAGAAADVIEFGVR	121	100		Mascot
1666.8767	1666.8771	0.0004	0	487	502	VMGNAGHPSSLKPIMK				Mascot
1699.9377	1699.9332	-0.0045	-3	38	53	YEALLLGGLPQEGLAR				Mascot
1699.9377	1699.9332	-0.0045	-3	38	53	YEALLLGGLPQEGLAR	80	100		Mascot
1954.8745	1954.8737	-0.0008	0	151	167	TQNIYEMQEAGAQGVCR			Carbamidomethyl (C)[16]	Mascot
2269.1975	2269.2627	0.0652	29	1181	1200	ADQKLLGYQLAAYFDKPT AR				Mascot
2269.1975	2269.2627	0.0652	29	1181	1200	ADQKLLGYQLAAYFDKPT AR				Mascot
2299.2292	2299.1831	-0.0461	-20	1043	1062	QINIIDDDTPEGQAFLLKL R				Mascot

5 Vtg1 protein [Danio rerio] gi|145337918 116565.5 9.07 14 211 100 174 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
888.5301	888.5256	-0.0045	-5	131	138	FATIPALR					Mascot
1088.5405	1088.615	0.0745	68	121	130	MTASLATHEK					Mascot
1097.6677	1097.6646	-0.0031	-3	220	229	VQVDAILALR					Mascot
1115.6935	1115.6925	-0.001	-1	39	47	FVQLVQLLR					Mascot
1115.6935	1115.6925	-0.001	-1	39	47	FVQLVQLLR	52	99.845			Mascot
1121.599	1121.5931	-0.0059	-5	54	62	IEAIWSQFK					Mascot
1382.7889	1382.6827	-0.1062	-77	9	21	ISDAPAQIVEVLK					Mascot
1463.8944	1463.8929	-0.0015	-1	238	250	LVQPVALQLVLDR					Mascot
1515.7478	1515.7451	-0.0027	-2	439	451	VFGQEVAYVNFDK					Mascot
1622.8536	1622.8505	-0.0031	-2	374	389	AYLAGAAADVIEFGVR					Mascot
1622.8536	1622.8505	-0.0031	-2	374	389	AYLAGAAADVIEFGVR	121	100			Mascot
1666.8767	1666.8771	0.0004	0	189	204	VMGNAGHPSSLKPIMK					Mascot
1699.9047	1699.9332	0.0285	17	303	320	ITAPDMASVAGAAANVAIK					Mascot
1699.9047	1699.9332	0.0285	17	303	320	ITAPDMASVAGAAANVAIK					Mascot
2269.1975	2269.2627	0.0652	29	885	904	ADQKLLGYQLAAYFDKPT AR					Mascot
2269.1975	2269.2627	0.0652	29	885	904	ADQKLLGYQLAAYFDKPT AR					Mascot
2299.2292	2299.1831	-0.0461	-20	745	764	QINIIDDDTPEGQAFLLKL					Mascot

	2627.3716	2627.3674	-0.0042	-2	603	626	R VEALPVELPEHIASASFET YAVVR										Mascot
6	vitellogenin 1 [Danio rerio]				gi 21391472	127954.2	8.69	14	207	100	174	100					

Peptide Information																
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification			Rank	Result Type				
888.5301	888.5256	-0.0045	-5	234	241	FATIPALR						Mascot				
1023.5105	1023.5066	-0.0039	-4	4	12	DVGLAYTER						Mascot				
1088.5405	1088.615	0.0745	68	224	233	MTASLATHEK						Mascot				
1097.6677	1097.6646	-0.0031	-3	323	332	VQVDAILALR						Mascot				
1115.6935	1115.6925	-0.001	-1	142	150	FVQLVQLLR						Mascot				
1115.6935	1115.6925	-0.001	-1	142	150	FVQLVQLLR	52	99.845				Mascot				
1121.599	1121.5931	-0.0059	-5	157	165	IEAIWSQFK						Mascot				
1382.7889	1382.6827	-0.1062	-77	112	124	ISDAPAQIVEVLK						Mascot				
1463.8944	1463.8929	-0.0015	-1	341	353	LVQPVALQLVLDLDR						Mascot				
1515.7478	1515.7451	-0.0027	-2	542	554	VFGQEVAYVNFDK						Mascot				
1622.8536	1622.8505	-0.0031	-2	477	492	AYLAGAAADVIEFGVR						Mascot				
1622.8536	1622.8505	-0.0031	-2	477	492	AYLAGAAADVIEFGVR	121	100				Mascot				
1666.8767	1666.8771	0.0004	0	292	307	VMGNAGHPSSLKPIMK						Mascot				
1699.9047	1699.9332	0.0285	17	406	423	ITAPDMASVAGAANVAIK						Mascot				
1699.9047	1699.9332	0.0285	17	406	423	ITAPDMASVAGAANVAIK						Mascot				
2269.1975	2269.2627	0.0652	29	986	1005	ADQKLLGYQLAAYFDKPTAR						Mascot				
2269.1975	2269.2627	0.0652	29	986	1005	ADQKLLGYQLAAYFDKPTAR						Mascot				
2299.2292	2299.1831	-0.0461	-20	848	867	QINIIDDDTPEGQAFLLKL R						Mascot				

7	hypothetical protein LOC678536 [Danio rerio]				gi 160420306	148750.2	8.89	19	184	100	130	100					
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Peptide Information																
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification			Rank	Result Type				
864.4461	864.5085	0.0624	72	87	94	DSFVPATK						Mascot				
1023.5105	1023.5066	-0.0039	-4	195	203	DVGLAYTER						Mascot				
1045.5465	1045.5631	0.0166	16	1346	1353	DFLSWIHK						Mascot				
1097.6677	1097.6646	-0.0031	-3	514	523	VQVDAILALR						Mascot				
1115.6935	1115.6925	-0.001	-1	333	341	FVQLVQLLR						Mascot				
1115.6935	1115.6925	-0.001	-1	333	341	FVQLVQLLR	52	99.845				Mascot				
1121.599	1121.5931	-0.0059	-5	348	356	IEAIWSQFK						Mascot				

		1382.7889	1382.6827	-0.1062	-77	303	315	ISDAPAQIVEVLK						Mascot
		1432.6671	1432.6503	-0.0168	-12	184	194	DLSHCQERIMK			Carbamidomethyl (C)[5], Oxidation (M)[10]			Mascot
		1477.91	1477.9099	-0.0001	0	532	544	LVQPIALQLVLDR						Mascot
		1515.7478	1515.7451	-0.0027	-2	733	745	VFGQEYAYVNFDK						Mascot
		1608.838	1608.8344	-0.0036	-2	668	683	AYLAGAAADVVEFGVR						Mascot
		1666.8767	1666.8771	0.0004	0	483	498	VMGNAGHPSSLKPIMK						Mascot
		1695.8999	1695.8931	-0.0068	-4	119	134	VFAPAGVSPTVMNLHR						Mascot
		1699.9377	1699.9332	-0.0045	-3	34	49	YEALLLGGLPQEGLAR						Mascot
		1699.9377	1699.9332	-0.0045	-3	34	49	YEALLLGGLPQEGLAR	80	100				Mascot
		1711.8948	1711.8909	-0.0039	-2	119	134	VFAPAGVSPTVMNLHR			Oxidation (M)[12]			Mascot
		1936.9181	1936.916	-0.0021	-1	147	163	TQNIYLQEAGAQGVCRR			Carbamidomethyl (C)[16]			Mascot
		2218.1641	2218.1294	-0.0347	-16	1326	1345	DIYLPVTVPINPDGFTID K						Mascot
		2233.2009	2233.082	-0.1189	-53	593	614	SLTRITAPDMAYVAGAAN VAIK						Mascot
		2269.1975	2269.2627	0.0652	29	1177	1196	ADQKLLGYQLAAYFDKPT AR						Mascot
		2269.1975	2269.2627	0.0652	29	1177	1196	ADQKLLGYQLAAYFDKPT AR						Mascot
		2299.2292	2299.1831	-0.0461	-20	1039	1058	QINIIDDTPPEGQAFLKL R						Mascot
8	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]	gi 94733733	149143.4	8.92	19	183	100	130	100					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4461	864.5085	0.0624	72	91	98	DSFVPATK					Mascot
1023.5105	1023.5066	-0.0039	-4	199	207	DVGLAYTER					Mascot
1045.5465	1045.5631	0.0166	16	1350	1357	DFLSWIHK					Mascot
1097.6677	1097.6646	-0.0031	-3	518	527	VQVDAILALR					Mascot
1115.6935	1115.6925	-0.001	-1	337	345	FVQLVQLLR					Mascot
1115.6935	1115.6925	-0.001	-1	337	345	FVQLVQLLR	52	99.845			Mascot
1121.599	1121.5931	-0.0059	-5	352	360	IEAIWSQFK					Mascot
1382.7889	1382.6827	-0.1062	-77	307	319	ISDAPAQIVEVLK					Mascot
1432.6671	1432.6503	-0.0168	-12	188	198	DLSHCQERIMK			Carbamidomethyl (C)[5], Oxidation (M)[10]		Mascot
1477.91	1477.9099	-0.0001	0	536	548	LVQPIALQLVLDR					Mascot
1515.7478	1515.7451	-0.0027	-2	737	749	VFGQEVAYVNFDK					Mascot
1608.838	1608.8344	-0.0036	-2	672	687	AYLAGAAADVVEFGVR					Mascot
1666.8767	1666.8771	0.0004	0	487	502	VMGNAGHPSSLKPIMK					Mascot
1695.8999	1695.8931	-0.0068	-4	123	138	VFAPAGVSPTVMNLHR					Mascot

1699.9377	1699.9332	-0.0045	-3	38	53	YEALLLGGLPQEGLAR											Mascot
1699.9377	1699.9332	-0.0045	-3	38	53	YEALLLGGLPQEGLAR	80	100									Mascot
1711.8948	1711.8909	-0.0039	-2	123	138	VFAPAGVSPTVMNLHR					Oxidation (M)[12]						Mascot
1936.9181	1936.916	-0.0021	-1	151	167	TQNIYEQEAGAQQGVCR					Carbamidomethyl (C)[16]						Mascot
2218.1641	2218.1294	-0.0347	-16	1330	1349	DIYLPVTVPINPDGFTID K											Mascot
2233.2009	2233.082	-0.1189	-53	597	618	SLTRITAPDMAYVAGAAN VAIK											Mascot
2269.1975	2269.2627	0.0652	29	1181	1200	ADQKLLGYQLAAYFDKPT AR											Mascot
2269.1975	2269.2627	0.0652	29	1181	1200	ADQKLLGYQLAAYFDKPT AR											Mascot
2299.2292	2299.1831	-0.0461	-20	1043	1062	QINIIDDDTPEGQAFLLKL R											Mascot
9	vitellogenin 1 [Danio rerio]				gi 166795887		149452.5	8.68	17	174	100	132	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
888.5301	888.5256	-0.0045	-5	425	432	FATIPALR					Mascot
1088.5405	1088.615	0.0745	68	415	424	MTASLATHEK					Mascot
1097.6677	1097.6646	-0.0031	-3	514	523	VQVDAILALR					Mascot
1115.6935	1115.6925	-0.001	-1	333	341	FVQLVQLLR					Mascot
1115.6935	1115.6925	-0.001	-1	333	341	FVQLVQLLR	52	99.845			Mascot
1121.599	1121.5931	-0.0059	-5	348	356	IEAIWSQFK					Mascot
1382.7889	1382.6827	-0.1062	-77	303	315	ISDAPAQIVEVLK					Mascot
1432.6671	1432.6503	-0.0168	-12	184	194	DLSHCQERIMK			Carbamidomethyl (C)[5], Oxidation (M)[10]		Mascot
1463.8944	1463.8929	-0.0015	-1	532	544	LVQPVALQLVLDR					Mascot
1515.7478	1515.7451	-0.0027	-2	733	745	VFGQEVAYVNFDK					Mascot
1666.8767	1666.8771	0.0004	0	483	498	VMGNAGHPSSLKPIMK					Mascot
1695.8999	1695.8931	-0.0068	-4	119	134	VFAPAGVSPTVMNLHR					Mascot
1699.9377	1699.9332	-0.0045	-3	34	49	YEALLLGGLPQEGLAR					Mascot
1699.9377	1699.9332	-0.0045	-3	34	49	YEALLLGGLPQEGLAR	80	100			Mascot
1711.8948	1711.8909	-0.0039	-2	119	134	VFAPAGVSPTVMNLHR			Oxidation (M)[12]		Mascot
1954.8745	1954.8737	-0.0008	0	147	163	TQNIYEMQEAGAQQGVCR			Carbamidomethyl (C)[16]		Mascot
2233.2009	2233.082	-0.1189	-53	593	614	SLTRITAPDMAYVAGAAN VAIK					Mascot
2269.1975	2269.2627	0.0652	29	1179	1198	ADQKLLGYQLAAYFDKPT AR					Mascot
2269.1975	2269.2627	0.0652	29	1179	1198	ADQKLLGYQLAAYFDKPT AR					Mascot
2299.2292	2299.1831	-0.0461	-20	1039	1058	QINIIDDDTPEGQAFLLKL R					Mascot
2627.3716	2627.3674	-0.0042	-2	897	920	VEALPVELPEHIASASFET					Mascot

10 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733734 149808.5 8.83 16 169 100 132 100

YAVVR

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4461	864.5085	0.0624	72	91	98	DSFVPATK					Mascot
1023.5105	1023.5066	-0.0039	-4	199	207	DVGLAYTER					Mascot
1097.6677	1097.6646	-0.0031	-3	518	527	VQVDAILALR					Mascot
1115.6935	1115.6925	-0.001	-1	337	345	FVQLVQLLR					Mascot
1115.6935	1115.6925	-0.001	-1	337	345	FVQLVQLLR	52	99.845			Mascot
1121.599	1121.5931	-0.0059	-5	352	360	IEAIWSQFK					Mascot
1432.6671	1432.6503	-0.0168	-12	188	198	DLSHCQERIMK			Carbamidomethyl (C)[5], Oxidation (M)[10]		Mascot
1463.8944	1463.8929	-0.0015	-1	536	548	LVQPVALQLVLDR					Mascot
1515.7478	1515.7451	-0.0027	-2	737	749	VFGQEVAYVNFDK					Mascot
1666.8767	1666.8771	0.0004	0	487	502	VMGNAGHPSSLKPIMK					Mascot
1695.8999	1695.8931	-0.0068	-4	123	138	VFAPAGVSPTVMNLHR					Mascot
1699.9377	1699.9332	-0.0045	-3	38	53	YEALLLGGLPQEGLAR					Mascot
1699.9377	1699.9332	-0.0045	-3	38	53	YEALLLGGLPQEGLAR	80	100			Mascot
1711.8948	1711.8909	-0.0039	-2	123	138	VFAPAGVSPTVMNLHR			Oxidation (M)[12]		Mascot
1936.9181	1936.916	-0.0021	-1	151	167	TQNIYELQEAGAQQGVCRR			Carbamidomethyl (C)[16]		Mascot
2194.0469	2194.0884	0.0415	19	1063	1083	EILDTEAKNAPVSSSSSSR					Mascot
2233.2009	2233.082	-0.1189	-53	597	618	SLTRITAPDMAYVAGAAANVAIK					Mascot
2269.1975	2269.2627	0.0652	29	1186	1205	ADQKLLGYQLAAYFDKPTAR					Mascot
2269.1975	2269.2627	0.0652	29	1186	1205	ADQKLLGYQLAAYFDKPTAR					Mascot
2299.2292	2299.1831	-0.0461	-20	1043	1062	QINIIDDDTPEGQAFLKLRR					Mascot

11 vitellogenin 6 [Danio rerio] gi|303227889 150936.1 8.84 16 168 100 132 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4461	864.5085	0.0624	72	98	105	DSFVPATK					Mascot
1023.5105	1023.5066	-0.0039	-4	206	214	DVGLAYTER					Mascot
1097.6677	1097.6646	-0.0031	-3	525	534	VQVDAILALR					Mascot
1115.6935	1115.6925	-0.001	-1	344	352	FVQLVQLLR					Mascot
1115.6935	1115.6925	-0.001	-1	344	352	FVQLVQLLR	52	99.845			Mascot

	1121.599	1121.5931	-0.0059	-5	359	367	IEAIWSQFK						Mascot
	1432.6671	1432.6503	-0.0168	-12	195	205	DLSHCQERIMK				Carbamidomethyl (C)[5], Oxidation (M)[10]		Mascot
	1463.8944	1463.8929	-0.0015	-1	543	555	LVQPVALQLVLDR						Mascot
	1515.7478	1515.7451	-0.0027	-2	744	756	VFGQEYAYVNFDK						Mascot
	1666.8767	1666.8771	0.0004	0	494	509	VMGNAGHPSSLKPIMK						Mascot
	1695.8999	1695.8931	-0.0068	-4	130	145	VFAPAGVSPTVMNLHR						Mascot
	1699.9377	1699.9332	-0.0045	-3	45	60	YEALLGGLPQEGLAR						Mascot
	1699.9377	1699.9332	-0.0045	-3	45	60	YEALLGGLPQEGLAR	80	100				Mascot
	1711.8948	1711.8909	-0.0039	-2	130	145	VFAPAGVSPTVMNLHR				Oxidation (M)[12]		Mascot
	1936.9181	1936.916	-0.0021	-1	158	174	TQNIYELQEAGAQQVCR				Carbamidomethyl (C)[16]		Mascot
	2194.0469	2194.0884	0.0415	19	1070	1090	EILDTEAKNAPVSSSESS SSR						Mascot
	2233.2009	2233.082	-0.1189	-53	604	625	SLTRITAPDMAYVAGAAN VAIK						Mascot
	2269.1975	2269.2627	0.0652	29	1197	1216	ADQKLLGYQLAAYFDKPT AR						Mascot
	2269.1975	2269.2627	0.0652	29	1197	1216	ADQKLLGYQLAAYFDKPT AR						Mascot
	2299.2292	2299.1831	-0.0461	-20	1050	1069	QINIIDDDTPEGQAFLKL R						Mascot
12	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94732723						147084.2	8.73	12	150	100	130	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1097.6677	1097.6646	-0.0031	-3	514	523	VQVDAILALR					Mascot
1115.6935	1115.6925	-0.001	-1	333	341	FVQLVQLLR					Mascot
1115.6935	1115.6925	-0.001	-1	333	341	FVQLVQLLR	52	99.845			Mascot
1432.6671	1432.6503	-0.0168	-12	184	194	DLSHCQERIMK			Carbamidomethyl (C)[5], Oxidation (M)[10]		Mascot
1477.91	1477.9099	-0.0001	0	532	544	LVQPIALQLVLDR					Mascot
1515.7478	1515.7451	-0.0027	-2	733	745	VFGQEVAYVNFDK					Mascot
1622.7743	1622.8505	0.0762	47	981	994	GCVEVHSYNAAFIR			Carbamidomethyl (C)[2]		Mascot
1622.7743	1622.8505	0.0762	47	981	994	GCVEVHSYNAAFIR			Carbamidomethyl (C)[2]		Mascot
1625.6742	1625.8387	0.1645	101	1098	1113	SSSSSSSSMSRRMSK			Oxidation (M)[9]		Mascot
1666.8767	1666.8771	0.0004	0	483	498	VMGNAGHPSSLKPIMK					Mascot
1699.9377	1699.9332	-0.0045	-3	34	49	YEALLLGGLPQEGLAR					Mascot
1699.9377	1699.9332	-0.0045	-3	34	49	YEALLLGGLPQEGLAR	80	100			Mascot
1936.9181	1936.916	-0.0021	-1	147	163	TQNIYELQEAGAQQVCR			Carbamidomethyl (C)[16]		Mascot
2217.9824	2218.1294	0.147	66	192	210	IMKDVGLAYTESPECTE R			Carbamidomethyl (C)[13], Oxidation (M)[2]		Mascot
3337.7539	3337.7656	0.0117	4	1164	1193	LLGYQLAAYFDKPTARVQ LIASSIAENDNR					Mascot

13 vitellogenin 7 [Danio rerio] gi|156713467 148739.2 8.76 9 142 100 130 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1097.6677	1097.6646	-0.0031	-3	514	523	VQVDAILALR					Mascot
1115.6935	1115.6925	-0.001	-1	333	341	FVQLVQLLR					Mascot
1115.6935	1115.6925	-0.001	-1	333	341	FVQLVQLLR	52	99.845			Mascot
1432.6671	1432.6503	-0.0168	-12	184	194	DLSHCQERIMK			Carbamidomethyl (C)[5], Oxidation (M)[10]		Mascot
1477.91	1477.9099	-0.0001	0	532	544	LVQPIALQLVLDR					Mascot
1515.7478	1515.7451	-0.0027	-2	733	745	VFGQEVAYVNFDK					Mascot
1666.8767	1666.8771	0.0004	0	483	498	VMGNAGHPSSLKPIMK					Mascot
1699.9377	1699.9332	-0.0045	-3	34	49	YEALLLGGLPQEGLAR					Mascot
1699.9377	1699.9332	-0.0045	-3	34	49	YEALLLGGLPQEGLAR	80	100			Mascot
2217.9824	2218.1294	0.147	66	192	210	IMKDVGLAYTESPECTE R			Carbamidomethyl (C)[13], Oxidation (M)[2]		Mascot
3337.7539	3337.7656	0.0117	4	1179	1208	LLGYQLAAYFDKPTARVQ LIASSIAENDNR					Mascot

14 vitellogenin 1 [Danio rerio] gi|21391474 21118.2 9 4 99 100 80 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4461	864.5085	0.0624	72	87	94	DSFVPATK					Mascot
1695.8999	1695.8931	-0.0068	-4	119	134	VFAPAGVSPTVMNLHR					Mascot
1699.9377	1699.9332	-0.0045	-3	34	49	YEALLLGGLPQEGLAR					Mascot
1699.9377	1699.9332	-0.0045	-3	34	49	YEALLLGGLPQEGLAR	80	100			Mascot
1711.8948	1711.8909	-0.0039	-2	119	134	VFAPAGVSPTVMNLHR			Oxidation (M)[12]		Mascot
1936.9181	1936.916	-0.0021	-1	147	163	TQNIYELQEAGAQGVC R			Carbamidomethyl (C)[16]		Mascot

15 Zgc:136383 protein [Danio rerio] gi|159155252 123957.1 8.78 14 86 99.988 52 99.845

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.5465	1045.5631	0.0166	16	1123	1130	DFLSWIHK					Mascot
1097.6677	1097.6646	-0.0031	-3	291	300	VQVDAILALR					Mascot
1115.6935	1115.6925	-0.001	-1	110	118	FVQLVQLLR					Mascot
1115.6935	1115.6925	-0.001	-1	110	118	FVQLVQLLR	52	99.845			Mascot
1121.599	1121.5931	-0.0059	-5	125	133	IEAIWSQFK					Mascot

	1382.7889	1382.6827	-0.1062	-77	80	92	ISDAPAQIVEVLK										Mascot
	1477.91	1477.9099	-0.0001	0	309	321	LVQPIALQLVLDR										Mascot
	1515.7478	1515.7451	-0.0027	-2	510	522	VFGQEVAYVNFDK										Mascot
	1608.838	1608.8344	-0.0036	-2	445	460	AYLAGAAADVVEFGVR										Mascot
	1666.8767	1666.8771	0.0004	0	260	275	VMGNAGHPSSLKPIMK										Mascot
	1699.9524	1699.9332	-0.0192	-11	1087	1101	SLNVIARIEITMSR										Mascot
	1699.9524	1699.9332	-0.0192	-11	1087	1101	SLNVIARIEITMSR										Mascot
	2218.1641	2218.1294	-0.0347	-16	1103	1122	DIYLPVTVPINPDGFTID K										Mascot
	2233.2009	2233.082	-0.1189	-53	370	391	SLTRITAPDMAYVAGAAN VAIK										Mascot
	2269.1975	2269.2627	0.0652	29	954	973	ADQKLLGYQLAAYFDKPT AR										Mascot
	2269.1975	2269.2627	0.0652	29	954	973	ADQKLLGYQLAAYFDKPT AR										Mascot
	2299.2292	2299.1831	-0.0461	-20	816	835	QINIIDDDTPEGQAFLLKL R										Mascot
16	Unknown (protein for MGC:174137) [Danio rerio]						gi 152012733	17051.5	7.71	1	84	99.984	80	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1699.9377	1699.9332	-0.0045	-3	34	49	YEALLLGGLPQEGLAR					Mascot
1699.9377	1699.9332	-0.0045	-3	34	49	YEALLLGGLPQEGLAR	80	100			Mascot

17 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94732724 24001.7 5.6 1 52 72.561 52 99.845

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1115.6935	1115.6925	-0.001	-1	128	136	FVQLVQLLR					Mascot
1115.6935	1115.6925	-0.001	-1	128	136	FVQLVQLLR	52	99.845			Mascot

18 Synembryn-like [Danio rerio] gi|94574123 59482.8 5.37 10 48 29.471 17 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5709	842.5099	-0.061	-72	18	24	VEKLLLK					Mascot
868.4999	868.538	0.0381	44	251	257	DSLHKLR					Mascot
1045.6769	1045.5631	-0.1138	-109	171	179	LLFLLSALR					Mascot
1115.6605	1115.6925	0.032	29	46	55	LCQGLLTVLR					Mascot
1115.6605	1115.6925	0.032	29	46	55	LCQGLLTVLR	17	0			Mascot

	1164.6736	1164.5659	-0.1077	-92	76	86	DKHVLGPVATK										Mascot
	1382.7136	1382.6827	-0.0309	-22	399	410	QGAAEFLFVLCK							Carbamidomethyl (C)[11]			Mascot
	1625.8169	1625.8387	0.0218	13	32	45	TFAFDLEEEGARIK										Mascot
	1695.8809	1695.8931	0.0122	7	315	328	NMDTVQILLNFMIK							Oxidation (M)[2]			Mascot
	1711.8757	1711.8909	0.0152	9	315	328	NMDTVQILLNFMIK							Oxidation (M)[2,12]			Mascot
	1954.9539	1954.8737	-0.0802	-41	486	501	EYEAQRLVSMIDELSR							Oxidation (M)[10]			Mascot
	2283.0193	2283.176	0.1567	69	98	118	ICVAGHEGEPLLEEAQSAE EER										Mascot
	2283.0193	2283.176	0.1567	69	98	118	ICVAGHEGEPLLEEAQSAE EER										Mascot
19	Synbl protein [Danio rerio]				gi 141796272		31226.2	5.37	7	47	11.209	17	0				

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5709	842.5099	-0.061	-72	18	24	VEKLLLK					Mascot
868.4999	868.538	0.0381	44	251	257	DSLHKLR					Mascot
1045.6769	1045.5631	-0.1138	-109	171	179	LLFLLSALR					Mascot
1115.6605	1115.6925	0.032	29	46	55	LCQGLLTVLR					Mascot
1115.6605	1115.6925	0.032	29	46	55	LCQGLLTVLR	17		0		Mascot
1164.6736	1164.5659	-0.1077	-92	76	86	DKHVLGPVATK					Mascot
1625.8169	1625.8387	0.0218	13	32	45	TFAFDLEEEGARIK					Mascot
2283.0193	2283.176	0.1567	69	98	118	ICVAGHEGEPLLEEAQSAE EER					Mascot
2283.0193	2283.176	0.1567	69	98	118	ICVAGHEGEPLLEEAQSAE EER					Mascot

20	Synbl protein [Danio rerio]				gi 63101126		33515.4	5.82	7	47	7.024	17	0				
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Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5709	842.5099	-0.061	-72	41	47	VEKLLLK					Mascot
868.4999	868.538	0.0381	44	274	280	DSLHKLR					Mascot
1045.6769	1045.5631	-0.1138	-109	194	202	LLFLLSALR					Mascot
1115.6605	1115.6925	0.032	29	69	78	LCQGLLTVLR					Mascot
1115.6605	1115.6925	0.032	29	69	78	LCQGLLTVLR	17		0		Mascot
1164.6736	1164.5659	-0.1077	-92	99	109	DKHVLGPVATK					Mascot
1625.8169	1625.8387	0.0218	13	55	68	TFAFDLEEEGARIK					Mascot
2283.0193	2283.176	0.1567	69	121	141	ICVAGHEGEPLLEEAQSAE EER					Mascot
2283.0193	2283.176	0.1567	69	121	141	ICVAGHEGEPLLEEAQSAE EER					Mascot

21 novel protein [Danio rerio] gi|94733078 59497.8 5.33 9 43 0 17 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5709	842.5099	-0.061	-72	18	24	VEKLLLK					Mascot
868.4999	868.538	0.0381	44	251	257	DSLHKLR					Mascot
1045.6769	1045.5631	-0.1138	-109	171	179	LLFLLSALR					Mascot
1115.6605	1115.6925	0.032	29	46	55	LCQGLLTVLR					Mascot
1115.6605	1115.6925	0.032	29	46	55	LCQGLLTVLR	17	0			Mascot
1164.6736	1164.5659	-0.1077	-92	76	86	DKHVLGPVATK					Mascot
1382.7136	1382.6827	-0.0309	-22	399	410	QGAAEFLFVLCK			Carbamidomethyl (C)[11]		Mascot
1625.8169	1625.8387	0.0218	13	32	45	TFAFDLEEEGARIK					Mascot
1954.9539	1954.8737	-0.0802	-41	486	501	EYEAQRLVSMIDLSR			Oxidation (M)[10]		Mascot
2283.0193	2283.176	0.1567	69	98	118	ICVAGHEGEPLLEAQSAE EER					Mascot
2283.0193	2283.176	0.1567	69	98	118	ICVAGHEGEPLLEAQSAE EER					Mascot

22 BarH-like 1.2 [Danio rerio] gi|62955401 22067.8 6.9 7 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1023.5833	1023.5066	-0.0767	-75	81	89	TVTSSFLIR					Mascot
1155.5865	1155.6885	0.102	88	54	63	SSVEDAVHRR					Mascot
1155.5865	1155.6885	0.102	88	53	62	RSSVEDAVHR					Mascot
1608.7612	1608.8344	0.0732	46	121	134	LHSNSSSDSEYRVK					Mascot
1622.886	1622.8505	-0.0355	-22	66	80	ALGLDSPLQISQQPR					Mascot
1622.886	1622.8505	-0.0355	-22	66	80	ALGLDSPLQISQQPR					Mascot
2299.062	2299.1831	0.1211	53	31	52	SPAELSPRDLDSGCSS PPSPR			Carbamidomethyl (C)[15]		Mascot
2627.4514	2627.3674	-0.084	-32	66	89	ALGLDSPLQISQQPRTVT SSFLIR					Mascot

23 novel protein similar to vertebrate complement component 3 (C3) [Danio rerio] gi|169153736 187400.5 8.04 19 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.5099	-0.0107	-13	516	523	GKIIQAGR					Mascot
982.5931	982.567	-0.0261	-27	971	979	LQLDAVVPK					Mascot

1088.5591	1088.615	0.0559	51	709	717	ARMIEPMPK	Oxidation (M)[3]	Mascot
1097.679	1097.6646	-0.0144	-13	518	527	IIQAGRVNVK		Mascot
1121.6201	1121.5931	-0.027	-24	1059	1067	EEAIKYIQK		Mascot
1155.5641	1155.6885	0.1244	108	1388	1397	TSSDVEKSFR		Mascot
1155.5641	1155.6885	0.1244	108	1388	1397	TSSDVEKSFR		Mascot
1179.619	1179.5988	-0.0202	-17	137	146	AEKVMPVSFR	Oxidation (M)[5]	Mascot
1475.7965	1475.7527	-0.0438	-30	1467	1478	EAEIISFRLNQR		Mascot
1515.8451	1515.7451	-0.1	-66	862	875	STPSVNVVMVILEK		Mascot
1592.8014	1592.814	0.0126	8	343	358	ASVLTSSGSDLVEAEK		Mascot
1592.8014	1592.814	0.0126	8	343	358	ASVLTSSGSDLVEAEK		Mascot
1608.8632	1608.8344	-0.0288	-18	285	299	GVAYVLFGEINGEK		Mascot
1622.7996	1622.8505	0.0509	31	1101	1114	VFSMAHSFINVNEK		Mascot
1622.8033	1622.8505	0.0472	29	1186	1199	SRQAAGYLTEHFSR		Mascot
2142.1965	2141.9885	-0.208	-97	411	429	RPISVHSGTINIHNMPKK		Mascot
2204.1228	2204.1025	-0.0203	-9	307	326	QIDDLNNGGSVSLTMEEI KR		Mascot
2217.2349	2217.189	-0.0459	-21	182	202	TISLEIQNPDGIAVHGIGR VK		Mascot
2218.1797	2218.1294	-0.0503	-23	1	19	MLLQLLLWGTLLCQICDG K	Carbamidomethyl (C)[13]	Mascot
2220.1177	2220.1204	0.0027	1	307	326	QIDDLNNGGSVSLTMEEI KR	Oxidation (M)[15]	Mascot
2233.1533	2233.082	-0.0713	-32	911	932	TGELPLQVTAVAASFMG QDAVK		Mascot
2238.2129	2238.1086	-0.1043	-47	73	92	VVKVTVVVDYPNSQTAL SR		Mascot

24 Zgc:171573 protein [Danio rerio] gi|166796220 28101.6 9.65 8 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
864.4937	864.5085	0.0148	17	30	36	IFSDKVR				Mascot
1097.5334	1097.6646	0.1312	120	2	10	NQVEHLSDR				Mascot
1121.5255	1121.5931	0.0676	60	168	176	KQEENMTK				Mascot
1608.9067	1608.8344	-0.0723	-45	127	141	ILPGLVGEDLGQKNR				Mascot
1625.7046	1625.8387	0.1341	82	177	189	SECLWTAELSNCR		Carbamidomethyl (C)[3,12]		Mascot
1711.9701	1711.8909	-0.0792	-46	35	50	VRTIGVDIDALGQQVK				Mascot
1937.045	1936.916	-0.129	-67	122	139	QEGQRILPGLVGEDLGQ K				Mascot
2211.042	2211.1021	0.0601	27	65	83	VYADDLLCSDGIACILEQ R		Carbamidomethyl (C)[8,14]		Mascot

25 PREDICTED: l-amino-acid oxidase [Danio rerio] gi|326674145 56155.4 6.03 10 40 0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.4523	868.538	0.0857	99	181	187	LQDDLHK					Mascot
888.4785	888.5256	0.0471	53	366	373	SITDLPSR					Mascot
1088.5582	1088.615	0.0568	52	495	504	AADKINDDVK					Mascot
1121.5739	1121.5931	0.0192	17	354	362	FWKNNDGIK					Mascot
1432.6559	1432.6503	-0.0056	-4	181	192	LQDDLHKMGCEK			Oxidation (M)[8]		Mascot
1448.8583	1448.9192	0.0609	42	52	67	HVLIVGAGAAGLTAAK					Mascot
1475.6722	1475.7527	0.0805	55	27	38	CLQSDSDYDYLLK					Mascot
1592.9635	1592.814	-0.1495	-94	108	121	IPSFHRILLAVAQK					Mascot
1592.9635	1592.814	-0.1495	-94	108	121	IPSFHRILLAVAQK					Mascot
1625.7489	1625.8387	0.0898	55	94	107	NGREGWYAE LGAMR			Oxidation (M)[13]		Mascot
2283.1477	2283.176	0.0283	12	317	336	ATLFFDFNPPLSADKMEA LR					Mascot
2283.1477	2283.176	0.0283	12	317	336	ATLFFDFNPPLSADKMEA LR					Mascot
2299.1428	2299.1831	0.0403	18	317	336	ATLFFDFNPPLSADKMEA LR			Oxidation (M)[16]		Mascot
26	PREDICTED: caspase-8-like [Danio rerio]			gi 125845888		39333.1	7.51	10	39	0	

Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type	
	996.5043	996.5963	0.092	92	296	303	NLEKH CPR					Mascot	
	1121.5334	1121.5931	0.0597	53	272	281	STTNGHVS YR					Mascot	
	1164.5565	1164.5659	0.0094	8	5	14	ESVDKICENK					Mascot	
	1179.5826	1179.5988	0.0162	14	207	216	DPFTGVK CQK			Carbamidomethyl (C)[8]		Mascot	
	1382.6521	1382.6827	0.0306	22	285	295	EGSWFIQSLCR			Carbamidomethyl (C)[10]		Mascot	
	1448.793	1448.9192	0.1262	87	327	338	QMPIYEVALTRK					Mascot	
	1493.7126	1493.7314	0.0188	13	80	91	QDCVLENF PMLK			Carbamidomethyl (C)[3]		Mascot	
	1954.9989	1954.8737	-0.1252	-64	223	240	LF F I Q G C R G A N S L Q A C V K					Mascot	
	2204.1082	2204.1025	-0.0057	-3	252	271	VEGDNLDITIPSDTDFLIA R					Mascot	
	2627.3608	2627.3674	0.0066	3	300	322	H C P R G A D I L T I L L Y V N N E V S S Q K			Carbamidomethyl (C)[2]		Mascot	
27	protein aurora borealis [Danio rerio]				gi 55925389		60297.1	5.05	8	39	0	16	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type

	882.5407	882.5657	0.025	28	278	285	SPILSPIR										Mascot
	1023.5469	1023.5066	-0.0403	-39	48	57	SSSATPAKFK										Mascot
	1121.5885	1121.5931	0.0046	4	121	129	QSMKLPHHK					Oxidation (M)[3]					Mascot
	1164.5579	1164.5659	0.008	7	334	343	SCSPFQSRPR										Mascot
	1434.7019	1434.7253	0.0234	16	334	345	SCSPFQSRPRNR										Mascot
	1458.7546	1458.7205	-0.0341	-23	286	298	LQQSVTPESGERK										Mascot
	1458.7546	1458.7205	-0.0341	-23	286	298	LQQSVTPESGERK	16		0							Mascot
	1954.9504	1954.8737	-0.0767	-39	79	95	QAVFFSQARADSEIEEK										Mascot
	2194.1826	2194.0884	-0.0942	-43	278	297	SPILSPIRLQQSVTPESGE R										Mascot

28 gamma-soluble NSF attachment protein [Danio rerio] gi|61806530 33925.8 5.45 9 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.5598	1045.5631	0.0033	3	123	131	LMEPLDSK					Mascot
1279.7303	1279.7744	0.0441	34	196	206	CIAQVLVQLHR					Mascot
1463.7489	1463.8929	0.144	98	166	178	QQKFDEAAASLQK					Mascot
1592.8213	1592.814	-0.0073	-5	1	14	MAQKISEAHEHIAK					Mascot
1592.8213	1592.814	-0.0073	-5	1	14	MAQKISEAHEHIAK					Mascot
1608.8163	1608.8344	0.0181	11	1	14	MAQKISEAHEHIAK			Oxidation (M)[1]		Mascot
2126.1538	2125.9878	-0.166	-78	196	214	CIAQVLVQLHRADYVAAQ K					Mascot
2142.115	2141.9885	-0.1265	-59	255	273	SPLVTYMDNDYAKLAISL K					Mascot
2218.0815	2218.1294	0.0479	22	26	45	WKPDYDSAASEYAKAAV AFK					Mascot
2225.022	2225.1177	0.0957	43	21	39	TSFMKWKPDYDSAASEY AK					Mascot
2225.022	2225.1177	0.0957	43	21	39	TSFMKWKPDYDSAASEY AK					Mascot
2299.1062	2299.1831	0.0769	33	49	68	QLEQAKDAYLQEAHAHA NNR					Mascot

29 PREDICTED: cyclin-dependent kinase 2-associated protein 1-like [Danio rerio] gi|326671486 9491 9.3 5 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4451	850.5413	0.0962	113	58	64	SAMERLK			Oxidation (M)[3]		Mascot
950.4247	950.4852	0.0605	64	76	83	ECLAETER					Mascot
1121.595	1121.5931	-0.0019	-2	48	57	EIRPTYAGSK					Mascot
1432.7212	1432.6503	-0.0709	-49	72	83	GLVRECLAETER			Carbamidomethyl (C)[6]		Mascot

	1695.8483	1695.8931	0.0448	26	48	62	EIRPTYAGSKSAMER												Mascot
	1711.8431	1711.8909	0.0478	28	48	62	EIRPTYAGSKSAMER							Oxidation (M)[13]					Mascot
30	ADP/ATP translocase 1 [Danio rerio]					gi 47550717	32667.2	9.74	8	37	0								

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	950.4764	950.4852	0.0088	9	253	260 GTIDCWKK					Mascot
	996.4536	996.5963	0.1427	143	237	244 RMMMQSGR					Mascot
	1082.5551	1082.5773	0.0222	21	1	10 MSDAAISFLK					Mascot
	1097.5297	1097.6646	0.1349	123	44	52 QITADMQYK					Mascot
	1622.7954	1622.8505	0.0551	34	148	163 GAAEREFTGLGNCVAK					Mascot
	1622.7954	1622.8505	0.0551	34	148	163 GAAEREFTGLGNCVAK					Mascot
	1689.8635	1689.9281	0.0646	38	81	94 YFPTQALNFAFKDK					Mascot
	2283.2053	2283.176	-0.0293	-13	1	23 MSDAAISFLKDFLAGGVA AAISK					Mascot
	2283.2053	2283.176	-0.0293	-13	1	23 MSDAAISFLKDFLAGGVA AAISK					Mascot
	2284.2236	2284.1724	-0.0512	-22	73	92 GNLANVIRYFPTQALNFA FK					Mascot
	2299.2002	2299.1831	-0.0171	-7	1	23 MSDAAISFLKDFLAGGVA AAISK			Oxidation (M)[1]		Mascot

31 novel protein similar to H.sapiens TTN, titin (TTN)
[Danio rerio]

gi|169154823 842970 5.81 42 36 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	842.444	842.5099	0.0659	78	3102	3108 SYKVSMK					Mascot
	850.4814	850.5413	0.0599	70	1088	1094 LTSVRMK			Oxidation (M)[6]		Mascot
	870.4203	870.5364	0.1161	133	6420	6427 LSDSGTYK					Mascot
	882.4679	882.5657	0.0978	111	2483	2489 YKVSTER					Mascot
	996.536	996.5963	0.0603	61	2586	2593 LTITETYSR					Mascot
	1023.5217	1023.5066	-0.0151	-15	6866	6874 DIRTGGNYK					Mascot
	1045.5347	1045.5631	0.0284	27	6656	6665 CQIGGTPEIK					Mascot
	1051.5571	1051.7139	0.1568	149	6666	6674 ISWFKADGK					Mascot
	1088.631	1088.615	-0.016	-15	6362	6371 LKDTQSIVGK					Mascot
	1115.5367	1115.6925	0.1558	140	1711	1719 EDQGKYTFK					Mascot
	1115.6418	1115.6925	0.0507	45	2536	2544 EITVLEKQR					Mascot
	1121.5771	1121.5931	0.016	14	1241	1250 CRVTGYPTPK					Mascot

1155.6521	1155.6885	0.0364	31	980	989	YPHIKIEGAK		Mascot
1155.6521	1155.6885	0.0364	31	980	989	YPHIKIEGAK		Mascot
1279.6376	1279.7744	0.1368	107	3711	3722	SETTTAVVSEQK		Mascot
1432.7213	1432.6503	-0.071	-50	7324	7335	RMEQTEPVTVAR	Oxidation (M)[2]	Mascot
1458.7838	1458.7205	-0.0633	-43	5831	5843	ISGSLPITVEWEK		Mascot
1458.8049	1458.7205	-0.0844	-58	3261	3273	AEPLSTLETEKIK		Mascot
1463.8944	1463.8929	-0.0015	-1	123	136	LDVRVTGIPAPVVK		Mascot
1475.804	1475.7527	-0.0513	-35	1964	1976	GKHYSLTIIAMK		Mascot
1477.7645	1477.9099	0.1454	98	4285	4298	SFESTTVAVGNPLR		Mascot
1493.6438	1493.7314	0.0876	59	5126	5138	YTCHAQNEAGSQK	Carbamidomethyl (C)[3]	Mascot
1555.7209	1555.749	0.0281	18	1587	1599	WMKNNAEIFSGDK	Oxidation (M)[2]	Mascot
1592.7697	1592.814	0.0443	28	5321	5335	NQAGSDQCSGTLKVK	Carbamidomethyl (C)[8]	Mascot
1592.7697	1592.814	0.0443	28	5321	5335	NQAGSDQCSGTLKVK	Carbamidomethyl (C)[8]	Mascot
1622.6752	1622.8505	0.1753	108	2945	2958	KDYEGEYSCTASNR		Mascot
1622.7876	1622.8505	0.0629	39	4732	4746	VGKEQCSCSINVLDK		Mascot
1625.7258	1625.8387	0.1129	69	5508	5522	NEAGSESCSMDLRVK		Mascot
1666.7238	1666.8771	0.1533	92	6892	6907	ADSGRYSCHASNDVGK		Mascot
1689.9242	1689.9281	0.0039	2	207	221	TIISASQISQTRQTR		Mascot
1695.958	1695.8931	-0.0649	-38	833	846	LYKPVFVQKPSSFR		Mascot
1699.8538	1699.9332	0.0794	47	1552	1566	QVVSFTQTLEDAYAK		Mascot
1699.8538	1699.9332	0.0794	47	1552	1566	QVVSFTQTLEDAYAK		Mascot
2125.9932	2125.9878	-0.0054	-3	2455	2472	AVFECELSEPNVQVTWM K	Oxidation (M)[17]	Mascot
2194.1101	2194.0884	-0.0217	-10	742	761	LPVVLPEDEGIYTAFASN MK		Mascot
2203.9885	2204.1025	0.114	52	1567	1584	EKDTMVTFECETNEPFVK	Carbamidomethyl (C)[10]	Mascot
2211.1438	2211.1021	-0.0417	-19	6494	6513	SCEIALRGDTAILELHNID K		Mascot
2216.9626	2217.189	0.2264	102	1132	1149	MINEFGYCSLDYEVAYSR	Carbamidomethyl (C)[8]	Mascot
2218.0696	2218.1294	0.0598	27	5489	5507	LEISSDIKDSGVYYCEAR	Carbamidomethyl (C)[16]	Mascot
2219.9834	2220.1204	0.137	62	1567	1584	EKDTMVTFECETNEPFVK	Carbamidomethyl (C)[10], Oxidation (M)[5]	Mascot
2232.9575	2233.082	0.1245	56	1132	1149	MINEFGYCSLDYEVAYSR	Carbamidomethyl (C)[8], Oxidation (M)[1]	Mascot
2238.0933	2238.1086	0.0153	7	2454	2472	KAVFECELSEPNVQVTW MK		Mascot
2269.1724	2269.2627	0.0903	40	2563	2581	NGVEIQFSVDQRFNYAIR		Mascot
2269.1724	2269.2627	0.0903	40	2563	2581	NGVEIQFSVDQRFNYAIR		Mascot
2283.104	2283.176	0.072	32	2409	2430	NVHFGDVGDYKFVAGSA ETAAK		Mascot
2283.1899	2283.176	-0.0139	-6	3240	3260	EHPSQVMSALTESVTPLT IVK	Oxidation (M)[7]	Mascot
2297.1516	2297.1938	0.0422	18	6550	6570	NLSVEMGKSLILECTYAG SPK	Carbamidomethyl (C)[14]	Mascot

	3337.4834	3337.7656	0.2822	85	4346	4377	DTGTYTCTAANEAGSSS CSSSVTVQEPPVFK					Carbamidomethyl (C)[7,18]	Mascot
32	butyrophilin-like [Danio rerio]				gi 168229192	30370	5.21	7	34	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
888.4672	888.5256	0.0584	66	83	90	ESLSPDLK						Mascot
1023.4537	1023.5066	0.0529	52	152	160	HGNHCGKDR						Mascot
1043.5779	1043.4567	-0.1212	-116	220	227	HLLTMRTR				Oxidation (M)[5]		Mascot
1082.559	1082.5773	0.0183	17	74	82	HAEQITIDR						Mascot
1689.7496	1689.9281	0.1785	106	47	61	QAGTDCENGPVEERK				Carbamidomethyl (C)[6]		Mascot
2218.3647	2218.1294	-0.2353	-106	17	37	ALFITVIICALLGLAAVILYK						Mascot
2233.0217	2233.082	0.0603	27	248	267	IVDCPVEEDSPAEDTEPF LK						Mascot

33	PREDICTED: zinc finger protein 845-like isoform 1 [Danio rerio]				gi 326664549	110747.2	8.71	12	34	0	16	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
996.5546	996.5963	0.0417	42	692	700	CFGTKISLK						Mascot
1043.5844	1043.4567	-0.1277	-122	220	229	SSSGKPQKPK						Mascot
1088.5483	1088.615	0.0667	61	890	898	THTGERPYK						Mascot
1115.6418	1115.6925	0.0507	45	39	48	EVASLEAKLR						Mascot
1115.6418	1115.6925	0.0507	45	39	48	EVASLEAKLR	16		0			Mascot
1121.552	1121.5931	0.0411	37	905	913	CFSRPEAVR				Carbamidomethyl (C)[1]		Mascot
1711.8328	1711.8909	0.0581	34	773	787	QALQCSYCPKLLCNK						Mascot
2216.9924	2217.189	0.1966	89	590	607	HERTHTGEKPYQCSQCQ K				Carbamidomethyl (C)[13]		Mascot
2220.0283	2220.1204	0.0921	41	220	238	SSSGKPQKPKNYHCEQC GK				Carbamidomethyl (C)[14,17]		Mascot
2225.0227	2225.1177	0.095	43	673	691	THEIIHTGEKPYQCShCN K						Mascot
2225.0227	2225.1177	0.095	43	729	747	THEIIHTGEKPYQCShCN K						Mascot
2269.0059	2269.2627	0.2568	113	313	332	THTGARPYQCShCQKSF CSK						Mascot
2269.0059	2269.2627	0.2568	113	313	332	THTGARPYQCShCQKSF CSK						Mascot
2284.0386	2284.1724	0.1338	59	919	937	HTGEKPYHCSLCSERFS FR						Mascot
2627.2388	2627.3674	0.1286	49	246	266	LMIHIRAHTGERPFQCNQ CDK				Carbamidomethyl (C)[16,19], Oxidation (M)[2]		Mascot

34	probable E3 ubiquitin-protein ligase MYCBP2 [Danio rerio]				gi 302393529	501527.2	6.49	27	33	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
850.4702	850.5413	0.0711	84	3680	3687 SITISCVK				Mascot
870.4103	870.5364	0.1261	145	4446	4453 AYFGGEAR				Mascot
950.4173	950.4852	0.0679	71	898	906 DGSSERGDK				Mascot
982.4952	982.567	0.0718	73	378	387 VGSGYSGTVR				Mascot
1043.5745	1043.4567	-0.1178	-113	4193	4200 THQRQVFK				Mascot
1082.639	1082.5773	-0.0617	-57	2786	2794 KVPLMEPLR				Mascot
1115.599	1115.6925	0.0935	84	2379	2387 RPSENMLIR				Mascot
1115.599	1115.6925	0.0935	84	2379	2387 RPSENMLIR	13	0		Mascot
1121.5619	1121.5931	0.0312	28	2304	2312 SIQQENMKK		Oxidation (M)[7]		Mascot
1155.5901	1155.6885	0.0984	85	3708	3717 VTSMIFLCGK		Carbamidomethyl (C)[8]		Mascot
1155.5901	1155.6885	0.0984	85	3708	3717 VTSMIFLCGK		Carbamidomethyl (C)[8]		Mascot
1179.7096	1179.5988	-0.1108	-94	2797	2807 STSPKPKLPPK				Mascot
1279.7004	1279.7744	0.074	58	1383	1393 QQTSEPVHILK				Mascot
1382.6434	1382.6827	0.0393	28	2772	2783 SDSYTLDPDCLR				Mascot
1432.6274	1432.6503	0.0229	16	4077	4089 DMAAGHLSDAWSR		Oxidation (M)[2]		Mascot
1448.7347	1448.9192	0.1845	127	1087	1098 CLLINKLDGSCR		Carbamidomethyl (C)[1,11]		Mascot
1458.6174	1458.7205	0.1031	71	1131	1143 EMCCYNAVIADAR				Mascot
1458.7223	1458.7205	-0.0018	-1	1210	1221 VYSKEDYSVVNR				Mascot
1475.7675	1475.7527	-0.0148	-10	4401	4412 ALMRLEYEGLHK		Oxidation (M)[3]		Mascot
1515.6389	1515.7451	0.1062	70	1131	1143 EMCCYNAVIADAR		Carbamidomethyl (C)[3]		Mascot
1555.7858	1555.749	-0.0368	-24	2147	2161 ELAYLGSVCAALMK		Oxidation (M)[14]		Mascot
1592.6688	1592.814	0.1452	91	739	751 EEKSMMCQPGMHK		Carbamidomethyl (C)[7]		Mascot
1592.6688	1592.814	0.1452	91	739	751 EEKSMMCQPGMHK		Carbamidomethyl (C)[7]		Mascot
1608.6637	1608.8344	0.1707	106	739	751 EEKSMMCQPGMHK		Carbamidomethyl (C)[7], Oxidation (M)[5]		Mascot
1625.839	1625.8387	-0.0003	0	3703	3717 DIGNKVTSMIFLCGK				Mascot
1699.7592	1699.9332	0.174	102	2969	2983 NSLSCQQGFDEKESK				Mascot
1699.7592	1699.9332	0.174	102	2969	2983 NSLSCQQGFDEKESK				Mascot
2204.2544	2204.1025	-0.1519	-69	3999	4018 LGILDMFLGCIKALTVQL K		Carbamidomethyl (C)[10]		Mascot
2210.9666	2211.1021	0.1355	61	4239	4258 EHTGKPASSSSDACRFC GTR		Carbamidomethyl (C)[14,17]		Mascot
2217.155	2217.189	0.034	15	2244	2262 WLQPDYADPQKTSILN K				Mascot
2220.2493	2220.1204	-0.1289	-58	3999	4018 LGILDMFLGCIKALTVQL K		Carbamidomethyl (C)[10], Oxidation (M)[6]		Mascot
2233.0837	2233.082	-0.0017	-1	626	646 LETKMAVYTACNNGSSSI		Oxidation (M)[5]		Mascot

		2269.2273	2269.2627	0.0354	16	863	882	VTK GPLVFPGPLFMNQREQV LAR									Mascot
		2269.2273	2269.2627	0.0354	16	863	882	GPLVFPGPLFMNQREQV LAR									Mascot
		3337.3352	3337.7656	0.4304	129	4495	4522	CRYCCSVAVFFCFGTTH FCNACHDDFQR	Carbamidomethyl (C)[1]								Mascot
35	protein tyrosine kinase [Danio rerio]						gi 3093296	81950.7	6.66	12	33	0					
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
		850.4668	850.5413	0.0745	88	574	581	IGDFGLTK									Mascot
		1023.475	1023.5066	0.0316	31	267	275	MVHGYVCSK									Mascot
		1088.4895	1088.615	0.1255	115	585	593	DNEGYYTVK									Mascot
		1155.623	1155.6885	0.0655	57	313	322	IPWIAPECVK									Mascot
		1155.623	1155.6885	0.0655	57	313	322	IPWIAPECVK									Mascot
		1164.7211	1164.5659	-0.1552	-133	176	186	VVLKVLGSGHR									Mascot
		1448.822	1448.9192	0.0972	67	75	86	ELLEHLQGQLLR									Mascot
		1689.8927	1689.9281	0.0354	21	267	281	MVHGYVCSKNILVAR									Mascot
		1936.9988	1936.916	-0.0828	-43	471	485	EEQSNLWREIHILR									Mascot
		2218.063	2218.1294	0.0664	30	534	552	TLLNYSVQICQGM DYLGSR				Carbamidomethyl (C)[10]					Mascot
		2284.1528	2284.1724	0.0196	9	408	427	QNPSIQPVPMLEVDPTVF EK				Oxidation (M)[10]					Mascot
		2500.2217	2500.1299	-0.0918	-37	334	354	WSFGTTLWEICYNGEIP LKDK									Mascot
		2627.2268	2627.3674	0.1406	54	217	237	HQENIMVEEFVQYGPLDL FMR				Oxidation (M)[6,20]					Mascot
36	Esrom [Danio rerio]						gi 56961715	501488.2	6.51	27	33	0					
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
		850.4702	850.5413	0.0711	84	3680	3687	SITISCVK									Mascot
		870.4103	870.5364	0.1261	145	4446	4453	AYFGGEAR									Mascot
		950.4173	950.4852	0.0679	71	898	906	DGSSERGDK									Mascot
		982.4952	982.567	0.0718	73	378	387	VGSGYSGTVR									Mascot
		1043.5745	1043.4567	-0.1178	-113	4193	4200	THQRQVFK									Mascot
		1082.639	1082.5773	-0.0617	-57	2786	2794	KVPLMEPLR									Mascot
		1115.599	1115.6925	0.0935	84	2379	2387	RPSENMLIR									Mascot
		1115.599	1115.6925	0.0935	84	2379	2387	RPSENMLIR	13		0						Mascot
		1121.5619	1121.5931	0.0312	28	2304	2312	SIQQENMKK				Oxidation (M)[7]					Mascot

1155.5901	1155.6885	0.0984	85	3708	3717	VTSMIFLCGK	Carbamidomethyl (C)[8]	Mascot
1155.5901	1155.6885	0.0984	85	3708	3717	VTSMIFLCGK	Carbamidomethyl (C)[8]	Mascot
1179.7096	1179.5988	-0.1108	-94	2797	2807	STSPKPKLPPK		Mascot
1279.7004	1279.7744	0.074	58	1383	1393	QQTSEPVHILK		Mascot
1382.6434	1382.6827	0.0393	28	2772	2783	SDSYTLDPDTLR		Mascot
1432.6274	1432.6503	0.0229	16	4077	4089	DMAAGHLSDAWSR	Oxidation (M)[2]	Mascot
1448.7347	1448.9192	0.1845	127	1087	1098	CLLINKLDGSCR	Carbamidomethyl (C)[1,11]	Mascot
1458.6174	1458.7205	0.1031	71	1131	1143	EMCCYNAVIADAR		Mascot
1458.7223	1458.7205	-0.0018	-1	1210	1221	VYSKEDYSVNR		Mascot
1475.7675	1475.7527	-0.0148	-10	4401	4412	ALMRLEYEGLHK	Oxidation (M)[3]	Mascot
1515.6389	1515.7451	0.1062	70	1131	1143	EMCCYNAVIADAR	Carbamidomethyl (C)[3]	Mascot
1555.7858	1555.749	-0.0368	-24	2147	2161	ELAYLGSVCAALMK	Oxidation (M)[14]	Mascot
1592.6688	1592.814	0.1452	91	739	751	EEKSMQCQPGMHK	Carbamidomethyl (C)[7]	Mascot
1592.6688	1592.814	0.1452	91	739	751	EEKSMQCQPGMHK	Carbamidomethyl (C)[7]	Mascot
1608.6637	1608.8344	0.1707	106	739	751	EEKSMQCQPGMHK	Carbamidomethyl (C)[7], Oxidation (M)[5]	Mascot
1625.839	1625.8387	-0.0003	0	3703	3717	DIGNKVTSMIFLCGK		Mascot
1699.7592	1699.9332	0.174	102	2969	2983	NSLSCQQGFDEKESK		Mascot
1699.7592	1699.9332	0.174	102	2969	2983	NSLSCQQGFDEKESK		Mascot
2204.2544	2204.1025	-0.1519	-69	3999	4018	LGILDMFLGCIKALTVQLK	Carbamidomethyl (C)[10]	Mascot
2210.9666	2211.1021	0.1355	61	4239	4258	EHTGKPASSSSDACRFGTR	Carbamidomethyl (C)[14,17]	Mascot
2217.155	2217.189	0.034	15	2244	2262	WLQPDSYADPQKTSILNK		Mascot
2220.2493	2220.1204	-0.1289	-58	3999	4018	LGILDMFLGCIKALTVQLK	Carbamidomethyl (C)[10], Oxidation (M)[6]	Mascot
2233.0837	2233.082	-0.0017	-1	626	646	LETKMAVYTACNNGSSSIVTK	Oxidation (M)[5]	Mascot
2269.2273	2269.2627	0.0354	16	863	882	GPLVFPGPLFMNQREQVLAR		Mascot
2269.2273	2269.2627	0.0354	16	863	882	GPLVFPGPLFMNQREQVLAR		Mascot
3337.3352	3337.7656	0.4304	129	4495	4522	CRYCCSVAVFFCFGTTTHFCNACHDDFQR	Carbamidomethyl (C)[1]	Mascot

37 novel protein similar to a human protein associated with gi|26788088 335701.2 6.91 21 33 0
Myc [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
950.4173	950.4852	0.0679	71	446	454	DGSSSERGDK					Mascot	
1082.639	1082.5773	-0.0617	-57	2452	2460	KVPLMEPLR					Mascot	
1115.599	1115.6925	0.0935	84	1878	1886	RPSENMLIR					Mascot	
1115.599	1115.6925	0.0935	84	1878	1886	RPSENMLIR	13	0			Mascot	

1121.5619	1121.5931	0.0312	28	1803	1811	SIQQENMKK	Oxidation (M)[7]	Mascot
1179.7096	1179.5988	-0.1108	-94	2463	2473	STSPKPKLPPK		Mascot
1279.7004	1279.7744	0.074	58	931	941	QQTSEPVHILK		Mascot
1382.6434	1382.6827	0.0393	28	2438	2449	SDSYTLDPDTRL		Mascot
1448.7347	1448.9192	0.1845	127	635	646	CLLINKLDGSCR	Carbamidomethyl (C)[1,11]	Mascot
1458.6174	1458.7205	0.1031	71	679	691	EMCCYNAVIADAR		Mascot
1458.7223	1458.7205	-0.0018	-1	758	769	VYSKEDYSVNR		Mascot
1475.7853	1475.7527	-0.0326	-22	455	468	DASKITTYPPGAVR		Mascot
1515.6389	1515.7451	0.1062	70	679	691	EMCCYNAVIADAR	Carbamidomethyl (C)[3]	Mascot
1555.7858	1555.749	-0.0368	-24	1685	1699	ELAYLGSVCAALMK	Oxidation (M)[14]	Mascot
1592.6688	1592.814	0.1452	91	271	283	EEKSMQCQPGMHK	Carbamidomethyl (C)[7]	Mascot
1592.6688	1592.814	0.1452	91	271	283	EEKSMQCQPGMHK	Carbamidomethyl (C)[7]	Mascot
1608.8024	1608.8344	0.032	20	2077	2091	TGPSGHNIRSCPNLR		Mascot
1699.7592	1699.9332	0.174	102	2635	2649	NSLSCQQGFDEKESK		Mascot
1699.7592	1699.9332	0.174	102	2635	2649	NSLSCQQGFDEKESK		Mascot
1955.0564	1954.8737	-0.1827	-93	2086	2103	SCPNLRGIPGMLVLGNK	Carbamidomethyl (C)[2], Oxidation (M)[12]	Mascot
2204.1995	2204.1025	-0.097	-44	350	369	GIFDAVKEMIPDLLLGTSR	Oxidation (M)[9]	Mascot
2217.155	2217.189	0.034	15	1743	1761	WLQPDSYADPQKTSILNK		Mascot
2219.9001	2220.1204	0.2203	99	2698	2716	CEDGKESVSYEMTSHSSMR	Carbamidomethyl (C)[1]	Mascot
2233.0837	2233.082	-0.0017	-1	158	178	LETKMAVYTACNNGSSSIVTK	Oxidation (M)[5]	Mascot
2269.2273	2269.2627	0.0354	16	411	430	GPLVFPGPLFMNQREQVLAR		Mascot
2269.2273	2269.2627	0.0354	16	411	430	GPLVFPGPLFMNQREQVLAR		Mascot

38

PREDICTED: partner and localizer of BRCA2 [Danio rerio]

gi|292609460

35211.4

5.68

7

33

0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
1432.7577	1432.6503	-0.1074	-75	289	301	ATVVLDSECLAR				Mascot
1434.7223	1434.7253	0.003	2	151	163	QNIQTFAAVEGEK				Mascot
1477.7931	1477.9099	0.1168	79	129	142	VSMLTSLQEGSVVK				Mascot
1493.788	1493.7314	-0.0566	-38	129	142	VSMLTSLQEGSVVK			Oxidation (M)[3]	Mascot
1592.7948	1592.814	0.0192	12	284	298	DSVAKATVVLDSECR	4	0		Mascot
1592.7948	1592.814	0.0192	12	284	298	DSVAKATVVLDSECR				Mascot
2220.0974	2220.1204	0.023	10	1	19	MHTFKALEDGCVLDLCLV R			Carbamidomethyl (C)[11]	Mascot

	2233.2446	2233.082	-0.1626	-73	174	193	TLLIWSMKSGQLLTICL GK							Mascot
	2284.1531	2284.1724	0.0193	8	182	202	SGQLLTICLGKTLTMTN CMK							Mascot
39	Barhl1.2 protein [Danio rerio]				gi 161611956		32929.5	9.15	7	33	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1023.5118	1023.5066	-0.0052	-5	201	207	TWYQNRR					Mascot
1155.5865	1155.6885	0.102	88	54	63	SSVEDAVHRR					Mascot
1155.5865	1155.6885	0.102	88	53	62	RSSVEDAVHR					Mascot
1608.7612	1608.8344	0.0732	46	121	134	LHSNSSSDSEYRVK					Mascot
1622.886	1622.8505	-0.0355	-22	66	80	ALGLDSPLQISQQPR					Mascot
1622.886	1622.8505	-0.0355	-22	66	80	ALGLDSPLQISQQPR					Mascot
2299.062	2299.1831	0.1211	53	31	52	SPAELSPRSDLSGCSS PPSPR			Carbamidomethyl (C)[15]		Mascot
2627.4514	2627.3674	-0.084	-32	66	89	ALGLDSPLQISQQPRTVT SSFLIR					Mascot

40	Zgc:171915 protein [Danio rerio]				gi 156230187		32406	8.38	7	33	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5246	842.5099	-0.0147	-17	263	269	GKIHIFK					Mascot
1382.8187	1382.6827	-0.136	-98	149	160	LPLKVLACNNK			Carbamidomethyl (C)[9]		Mascot
1477.7943	1477.9099	0.1156	78	229	240	VTSIPVCYRNLR			Carbamidomethyl (C)[7]		Mascot
1515.7761	1515.7451	-0.031	-20	51	66	ALDEAAATGGLNLSGR					Mascot
1625.8179	1625.8387	0.0208	13	265	277	IHIFKYLNMEACK			Oxidation (M)[9]		Mascot
1666.8444	1666.8771	0.0327	20	265	277	IHIFKYLNMEACK			Carbamidomethyl (C)[12]		Mascot
2211.1841	2211.1021	-0.082	-37	210	228	LPELAELPLVRDFSCN K			Carbamidomethyl (C)[17]		Mascot
2627.4338	2627.3674	-0.0664	-25	241	264	HLQSIILDNNPLQSPPAQI CIK GK					Mascot

41	LOC100149217 protein [Danio rerio]				gi 158253697		48680.3	9.76	11	32	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1023.572	1023.5066	-0.0654	-64	75	83	TFLISSDLK					Mascot
1043.4285	1043.4567	0.0282	27	22	30	GFACTQCEK			Carbamidomethyl (C)[4]		Mascot
1155.5865	1155.6885	0.102	88	190	199	QSSSLNNHIR					Mascot

	1155.5865	1155.6885	0.102	88	190	199	QSSSLNNHIR						Mascot
	1493.7166	1493.7314	0.0148	10	327	339	SFTQSSSLVNHMR						Mascot
	1625.8217	1625.8387	0.017	10	140	152	LHQMIHTGERPYK			Oxidation (M)[4]			Mascot
	1689.7948	1689.9281	0.1333	79	284	298	IHTGEKPHVCSHCNK						Mascot
	1695.7828	1695.8931	0.1103	65	228	242	LHTNEKLYSCAECGK						Mascot
	1711.7778	1711.8909	0.1131	66	377	391	CDQCGETFLRPSDLK						Mascot
	2193.9475	2194.0884	0.1409	64	168	186	THEMIHTGEKPYTCSQC GR			Oxidation (M)[4]			Mascot
	2218.0127	2218.1294	0.1167	53	308	326	VHERSHTGEKPYTCTQC GK			Carbamidomethyl (C)[14]			Mascot
	2283.0579	2283.176	0.1181	52	140	158	LHQMIHTGERPYKCSHC DK						Mascot
	2283.0579	2283.176	0.1181	52	140	158	LHQMIHTGERPYKCSHC DK						Mascot
	2299.053	2299.1831	0.1301	57	140	158	LHQMIHTGERPYKCSHC DK			Oxidation (M)[4]			Mascot
42	small GTPase RhoA [Danio rerio]				gi 56118288	21849	5.83	7	32	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
982.4662	982.567	0.1008	103	169	176	EVFEMATR					Mascot
1023.5906	1023.5066	-0.084	-82	19	27	TCLLIVFSK					Mascot
1088.5768	1088.615	0.0382	35	8	18	LVIVGDGACGK			Carbamidomethyl (C)[9]		Mascot
1155.5502	1155.6885	0.1383	120	120	128	DLRNDHTR					Mascot
1155.5502	1155.6885	0.1383	120	120	128	DLRNDHTR					Mascot
1164.5062	1164.5659	0.0597	51	141	150	AEEGRDMANR			Oxidation (M)[7]		Mascot
1592.8213	1592.814	-0.0073	-5	169	182	EVFEMATRAALQAR					Mascot
1592.8213	1592.814	-0.0073	-5	169	182	EVFEMATRAALQAR					Mascot
1608.8163	1608.8344	0.0181	11	169	182	EVFEMATRAALQAR			Oxidation (M)[5]		Mascot
1936.835	1936.916	0.081	42	146	162	DMANRIGAFGYMECSAK			Carbamidomethyl (C)[14], Oxidation (M)[2]		Mascot

43 complement component 3-like isoform 1 [Danio rerio] gi|153792045 188748 7.66 17 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.5099	-0.0107	-13	516	523	GKIIQAGR					Mascot
982.5931	982.567	-0.0261	-27	971	979	LQLDAVVPK					Mascot
1088.5591	1088.615	0.0559	51	709	717	ARMIEPMPK			Oxidation (M)[3]		Mascot
1097.679	1097.6646	-0.0144	-13	518	527	IIQAGRVNVK					Mascot
1121.6201	1121.5931	-0.027	-24	1049	1057	EEAIKYIQK					Mascot

	1155.5641	1155.6885	0.1244	108	1378	1387	TSSDVEKSFR												Mascot
	1155.5641	1155.6885	0.1244	108	1378	1387	TSSDVEKSFR												Mascot
	1475.7965	1475.7527	-0.0438	-30	1457	1468	EAEIISFRLNQR												Mascot
	1515.8451	1515.7451	-0.1	-66	862	875	STPSVNVVMVILEK												Mascot
	1592.8014	1592.814	0.0126	8	343	358	ASVLTSSGSDLVEAEK												Mascot
	1592.8014	1592.814	0.0126	8	343	358	ASVLTSSGSDLVEAEK												Mascot
	1608.8632	1608.8344	-0.0288	-18	285	299	GVAYVLFGIEINGEK												Mascot
	1622.8033	1622.8505	0.0472	29	1176	1189	SRQAAGYLTEHFSR												Mascot
	1622.8033	1622.8505	0.0472	29	1176	1189	SRQAAGYLTEHFSR												Mascot
	1625.7992	1625.8387	0.0395	24	1091	1104	VFSMAHSFITVNEK						Oxidation (M)[4]						Mascot
	2142.1965	2141.9885	-0.208	-97	411	429	RPISVHSGTINIHNMPKK												Mascot
	2204.1228	2204.1025	-0.0203	-9	307	326	QIDDLNNGGSVSLTMEEI KR												Mascot
	2217.2349	2217.189	-0.0459	-21	182	202	TISLEIQNPDGIAVHGIGR VK												Mascot
	2220.1177	2220.1204	0.0027	1	307	326	QIDDLNNGGSVSLTMEEI KR						Oxidation (M)[15]						Mascot
	2233.1533	2233.082	-0.0713	-32	911	932	TGELPLQVTAVAASFMG QDAVK												Mascot
	2238.2129	2238.1086	-0.1043	-47	73	92	VVKVTVVVYDYPNSQTAL SR												Mascot

44

hypothetical protein LOC100158483 [Xenopus (Silurana) tropicalis]

gi|189230142

60297.2

5.13

7

32

0

16

0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5407	882.5657	0.025	28	278	285	SPILSPIR					Mascot
1023.5469	1023.5066	-0.0403	-39	48	57	SSSATPAKFK					Mascot
1121.5885	1121.5931	0.0046	4	121	129	QSMKLPHHK			Oxidation (M)[3]		Mascot
1164.5942	1164.5659	-0.0283	-24	334	343	SCSPFKSRPR					Mascot
1458.7546	1458.7205	-0.0341	-23	286	298	LQQSVTPESGERK					Mascot
1458.7546	1458.7205	-0.0341	-23	286	298	LQQSVTPESGERK	16	0			Mascot
1954.9504	1954.8737	-0.0767	-39	79	95	QAVFFSQARADSEIEEK					Mascot
2194.0266	2194.0884	0.0618	28	320	339	SGESPLVEGCSPIRSCSP FK			Carbamidomethyl (C)[10,16]		Mascot

45

novel protein similar to vertebrate transmembrane protein 16H (TMEM16H) [Danio rerio]

gi|169158193

112029.6

5.99

9

32

0

21

0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4686	864.5085	0.0399	46	789	794	LEYQRR					Mascot

	982.5203	982.567	0.0467	48	856	864	FSSTGDKLK										Mascot
	1115.6782	1115.6925	0.0143	13	2	11	SSAVLEKLLR										Mascot
	1115.6782	1115.6925	0.0143	13	2	11	SSAVLEKLLR	21	0								Mascot
	1121.4891	1121.5931	0.104	93	614	624	AAGGENNTMEK										Mascot
	1463.8654	1463.8929	0.0275	19	437	448	LKEMLATLLIFR					Oxidation (M)[4]					Mascot
	1515.7537	1515.7451	-0.0086	-6	527	540	VPKTEEVDDDAGLK										Mascot
	1555.7097	1555.749	0.0393	25	203	215	QPLDDVCDYFGVK					Carbamidomethyl (C)[7]					Mascot
	1666.921	1666.8771	-0.0439	-26	174	186	RVILQMFLHEQR										Mascot
	2283.1477	2283.176	0.0283	12	769	788	YVIHVAIPDVPNWWADEM AK					Oxidation (M)[18]					Mascot
	2283.1477	2283.176	0.0283	12	769	788	YVIHVAIPDVPNWWADEM AK					Oxidation (M)[18]					Mascot
46	PREDICTED: hypothetical protein LOC562947 [Danio rerio]				gi 292610701	116105.3	5.91	1			21	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1115.6782	1115.6925	0.0143	13	2	11	SSAVLEKLLR	21	0		2	Mascot

47	PREDICTED: wu:fb77e12 [Danio rerio]				gi 326679169	160931.2	6.5	1			19	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1115.5328	1115.6925	0.1597	143	480	489	DTPSDPQSIR	19	0		3	Mascot

48	PREDICTED: poly [ADP-ribose] polymerase 14-like [Danio rerio]				gi 326671190	198536.4	6.57	1			18	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1115.6241	1115.6925	0.0684	61	1417	1425	EMINNLIIR	18	0		4	Mascot

49	PREDICTED: low-density lipoprotein receptor-related protein 1B, partial [Danio rerio]				gi 326678476	326092.8	5.15	1			17	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1115.6418	1115.6925	0.0507	45	2089	2098	KDAVDVVITIR	17	0		5	Mascot

50	PREDICTED: hypothetical protein LOC100536674				gi 326678668	141952.3	9.22	1			16	0					
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[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1115.6354	1115.6925	0.0571	51	263	271 VMKPEARIR	16	0	Oxidation (M)[2]	7	Mascot

Gel Idx/Pos	178/H5	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	transitional endoplasmic reticulum ATPase [Danio rerio]	gi 41393119	89367.7	5.14	34	1,310	100	1047	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
819.4722	819.4641	-0.0081	-10	149	155 GDIFLVR					Mascot
837.5305	837.522	-0.0085	-10	232	239 AIGVKPPR					Mascot
947.5672	947.5545	-0.0127	-13	148	155 KGDIFLVR					Mascot
986.5339	986.519	-0.0149	-15	218	225 EMVELPLR					Mascot
989.4897	989.4801	-0.0096	-10	701	708 ESIENEIR					Mascot
1051.5242	1051.5104	-0.0138	-13	46	53 MDELQLFR					Mascot
1067.519	1067.5068	-0.0122	-11	46	53 MDELQLFR			Oxidation (M)[1]		Mascot
1075.5378	1075.5247	-0.0131	-12	278	287 LAGESESNLR					Mascot
1145.5909	1145.5791	-0.0118	-10	701	709 ESIENEIRR					Mascot
1162.531	1162.5184	-0.0126	-11	733	741 KDHFEEMR					Mascot
1172.6674	1172.6554	-0.012	-10	240	251 GILLYGPPGTGK					Mascot
1242.6324	1242.6195	-0.0129	-10	366	377 EVDIGIPDATGR					Mascot
1251.619	1251.6042	-0.0148	-12	513	524 GVLFGPPGCGK			Carbamidomethyl (C)[10]		Mascot
1329.691	1329.6761	-0.0149	-11	454	465 WALSQSNPSALR	96	100			Mascot
1329.691	1329.6761	-0.0149	-11	454	465 WALSQSNPSALR					Mascot
1540.804	1540.7844	-0.0196	-13	96	109 LGDVISIQPCPDVK			Carbamidomethyl (C)[10]		Mascot
1556.8571	1556.8376	-0.0195	-13	639	651 LDQLIYIPLDEK					Mascot
1578.7944	1578.7739	-0.0205	-13	530	543 AIANECQANFISIK			Carbamidomethyl (C)[6]		Mascot
1578.7944	1578.7739	-0.0205	-13	530	543 AIANECQANFISIK	67	99.996	Carbamidomethyl (C)[6]		Mascot
1629.8054	1629.7854	-0.02	-12	754	766 KYEMFAQTLQQSR	88	100			Mascot
1629.8054	1629.7854	-0.02	-12	754	766 KYEMFAQTLQQSR					Mascot

1645.8003	1645.7821	-0.0182	-11	754	766	KYEMFAQTLQQSR					Oxidation (M)[4]	Mascot
1660.8289	1660.7837	-0.0452	-27	363	377	FDREVDIGIPDATGR						Mascot
1799.8051	1799.783	-0.0221	-12	678	693	MTNGFSGADLTEICQR					Carbamidomethyl (C)[14]	Mascot
1810.9949	1810.9752	-0.0197	-11	296	312	NAPAIIFIDELDAIAPK						Mascot
1815.8	1815.782	-0.018	-10	678	693	MTNGFSGADLTEICQR					Carbamidomethyl (C)[14], Oxidation (M)[1]	Mascot
1823.9174	1823.894	-0.0234	-13	488	502	ELQELVQYPVEHPDK						Mascot
1823.9174	1823.894	-0.0234	-13	488	502	ELQELVQYPVEHPDK	62	99.986				Mascot
1923.952	1923.9279	-0.0241	-13	568	584	QAAPCVLFFDELDSIAK					Carbamidomethyl (C)[5]	Mascot
1951.9218	1951.9008	-0.021	-11	544	560	GPELLTMWFGGESEANVR	102	100			Oxidation (M)[7]	Mascot
1951.9218	1951.9008	-0.021	-11	544	560	GPELLTMWFGGESEANVR					Oxidation (M)[7]	Mascot
2124.9204	2124.8955	-0.0249	-12	192	210	EDEEESLNEVGYYDIGGVR						Mascot
2124.9204	2124.8955	-0.0249	-12	192	210	EDEEESLNEVGYYDIGGVR	142	100				Mascot
2146.155	2146.1343	-0.0207	-10	339	358	AHVIVMAATNRPN SIDPALR						Mascot
2155.9812	2155.9529	-0.0283	-13	714	732	QTNPSAMEVEEDDPVPEIR						Mascot
2160.103	2160.0588	-0.0442	-20	26	45	LIVDESINEDNSVVSLSQAK						Mascot
2162.1499	2162.1187	-0.0312	-14	339	358	AHVIVMAATNRPN SIDPALR					Oxidation (M)[6]	Mascot
2171.9761	2171.9614	-0.0147	-7	714	732	QTNPSAMEVEEDDPVPEIR					Oxidation (M)[7]	Mascot
2256.137	2256.0806	-0.0564	-25	257	277	AVANETGAFFFLINGPEIMSK						Mascot
2284.0762	2284.1499	0.0737	32	714	733	QTNPSAMEVEEDDPVPEIRK						Mascot
2457.1199	2457.344	0.2241	91	712	732	ERQTNPSAMEVEEDDPVPEIR					Oxidation (M)[9]	Mascot
2484.2617	2484.2402	-0.0215	-9	466	487	ETVVEVPNITWEDIGGLD DVKR						Mascot
2484.2617	2484.2402	-0.0215	-9	466	487	ETVVEVPNITWEDIGGLD DVKR	217	100				Mascot
2518.4253	2518.4089	-0.0164	-7	616	638	NVFIIGATNRPD IIDPAILR PGR	22	0				Mascot
2518.4253	2518.4089	-0.0164	-7	616	638	NVFIIGATNRPD IIDPAILR PGR						Mascot
3081.502	3081.4858	-0.0162	-5	165	191	VVETDPSPYCIVAPDTVIHCEGEPIKR					Carbamidomethyl (C)[10,20]	Mascot
3672.7922	3672.7708	-0.0214	-6	390	424	LADDVDLEQVANETHGHVGADLAALCSEAALQAIR	252	100			Carbamidomethyl (C)[26]	Mascot
3672.7922	3672.7708	-0.0214	-6	390	424	LADDVDLEQVANETHGHVGADLAALCSEAALQAIR					Carbamidomethyl (C)[26]	Mascot

2

CDC48 [Danio rerio]

gi|34740143

89351.7

5.13

32

1,280

100

1047

100

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
819.4722	819.4641	-0.0081	-10	149	155	GDIFLVR						Mascot

837.5305	837.522	-0.0085	-10	232	239	AIGVKPPR				Mascot
947.5672	947.5545	-0.0127	-13	148	155	KGDIFLVR				Mascot
986.5339	986.519	-0.0149	-15	218	225	EMVELPLR				Mascot
989.4897	989.4801	-0.0096	-10	701	708	ESIENEIR				Mascot
1051.5242	1051.5104	-0.0138	-13	46	53	MDELQLFR				Mascot
1067.519	1067.5068	-0.0122	-11	46	53	MDELQLFR			Oxidation (M)[1]	Mascot
1075.5378	1075.5247	-0.0131	-12	278	287	LAGESESNLR				Mascot
1162.531	1162.5184	-0.0126	-11	733	741	KDHFEEMR				Mascot
1172.6674	1172.6554	-0.012	-10	240	251	GILLYGPPGTGK				Mascot
1242.6324	1242.6195	-0.0129	-10	366	377	EVDIGIPDATGR				Mascot
1251.619	1251.6042	-0.0148	-12	513	524	GVLFYGPFGCGK			Carbamidomethyl (C)[10]	Mascot
1329.691	1329.6761	-0.0149	-11	454	465	WALSQSNPSALR	96	100		Mascot
1329.691	1329.6761	-0.0149	-11	454	465	WALSQSNPSALR				Mascot
1540.804	1540.7844	-0.0196	-13	96	109	LGDVISIQPCPDVK			Carbamidomethyl (C)[10]	Mascot
1578.7944	1578.7739	-0.0205	-13	530	543	AIANECQANFISIK			Carbamidomethyl (C)[6]	Mascot
1578.7944	1578.7739	-0.0205	-13	530	543	AIANECQANFISIK	67	99.996	Carbamidomethyl (C)[6]	Mascot
1629.8054	1629.7854	-0.02	-12	754	766	KYEMFAQTLQQSR	88	100		Mascot
1629.8054	1629.7854	-0.02	-12	754	766	KYEMFAQTLQQSR				Mascot
1645.8003	1645.7821	-0.0182	-11	754	766	KYEMFAQTLQQSR			Oxidation (M)[4]	Mascot
1660.8289	1660.7837	-0.0452	-27	363	377	FDREVDIGIPDATGR				Mascot
1799.8051	1799.783	-0.0221	-12	678	693	MTNGFSGADLTEICQR			Carbamidomethyl (C)[14]	Mascot
1810.9949	1810.9752	-0.0197	-11	296	312	NAPAIIFIDELDAIPK				Mascot
1815.8	1815.782	-0.018	-10	678	693	MTNGFSGADLTEICQR			Carbamidomethyl (C)[14], Oxidation (M)[1]	Mascot
1823.9174	1823.894	-0.0234	-13	488	502	ELQELVQYPVEHPDK				Mascot
1823.9174	1823.894	-0.0234	-13	488	502	ELQELVQYPVEHPDK	62	99.986		Mascot
1923.952	1923.9279	-0.0241	-13	568	584	QAAPCVLFFDELDSIAK			Carbamidomethyl (C)[5]	Mascot
1951.9218	1951.9008	-0.021	-11	544	560	GPELLTMWFGSEANVR	102	100	Oxidation (M)[7]	Mascot
1951.9218	1951.9008	-0.021	-11	544	560	GPELLTMWFGSEANVR			Oxidation (M)[7]	Mascot
2124.9204	2124.8955	-0.0249	-12	192	210	EDEEESLNEVGYYDIGG VR				Mascot
2124.9204	2124.8955	-0.0249	-12	192	210	EDEEESLNEVGYYDIGG VR	142	100		Mascot
2146.155	2146.1343	-0.0207	-10	339	358	AHVIVMAATNRPNSIDPA LR				Mascot
2155.9812	2155.9529	-0.0283	-13	714	732	QTNPSAMEVEEDDPVPEI R				Mascot
2160.103	2160.0588	-0.0442	-20	26	45	LIVDESINEDNSVVSLSQA K				Mascot
2162.1499	2162.1187	-0.0312	-14	339	358	AHVIVMAATNRPNSIDPA LR			Oxidation (M)[6]	Mascot
2171.9761	2171.9614	-0.0147	-7	714	732	QTNPSAMEVEEDDPVPEI R			Oxidation (M)[7]	Mascot

	2256.137	2256.0806	-0.0564	-25	257	277	AVANETGAFFFLINGPEI MSK											Mascot
	2284.0762	2284.1499	0.0737	32	714	733	QTNPSAMEVEEDDPVPEI RK											Mascot
	2457.1199	2457.344	0.2241	91	712	732	ERQTNPSAMEVEEDDPV PEIR					Oxidation (M)[9]						Mascot
	2484.2617	2484.2402	-0.0215	-9	466	487	ETVVEVPNITWEDIGGLD DVKR											Mascot
	2484.2617	2484.2402	-0.0215	-9	466	487	ETVVEVPNITWEDIGGLD DVKR	217		100								Mascot
	2518.4253	2518.4089	-0.0164	-7	616	638	NVFIIGATNRPDIIDPAILR PGR	22		0								Mascot
	2518.4253	2518.4089	-0.0164	-7	616	638	NVFIIGATNRPDIIDPAILR PGR											Mascot
	3081.502	3081.4858	-0.0162	-5	165	191	VVETDPSPYCIVAPDTVH CEGEPIKR					Carbamidomethyl (C)[10,20]						Mascot
	3672.7922	3672.7708	-0.0214	-6	390	424	LADDVDLEQVANETHGH VGADLAALCSEAAALQAIR	252		100		Carbamidomethyl (C)[26]						Mascot
	3672.7922	3672.7708	-0.0214	-6	390	424	LADDVDLEQVANETHGH VGADLAALCSEAAALQAIR					Carbamidomethyl (C)[26]						Mascot
3	transitional endoplasmic reticulum ATPase-like [Danio rerio]					gi 90093334	89437.9	5.44	15	363	100	308	100					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
819.4722	819.4641	-0.0081	-10	151	157	GDIFLVR					Mascot
837.5305	837.522	-0.0085	-10	234	241	AIGVKPPR					Mascot
986.5339	986.519	-0.0149	-15	220	227	EMVELPLR					Mascot
1075.5378	1075.5247	-0.0131	-12	280	289	LAGESESNLR					Mascot
1162.531	1162.5184	-0.0126	-11	735	743	KDHFEEAMR					Mascot
1172.6674	1172.6554	-0.012	-10	242	253	GILLYGPPGTGK					Mascot
1251.619	1251.6042	-0.0148	-12	515	526	GVLFYGPFGCGK			Carbamidomethyl (C)[10]		Mascot
1329.691	1329.6761	-0.0149	-11	456	467	WALSQSNPSALR	96		100		Mascot
1329.691	1329.6761	-0.0149	-11	456	467	WALSQSNPSALR					Mascot
1629.8054	1629.7854	-0.02	-12	756	768	KYEMFAQTLQQSR	88		100		Mascot
1629.8054	1629.7854	-0.02	-12	756	768	KYEMFAQTLQQSR					Mascot
1645.8003	1645.7821	-0.0182	-11	756	768	KYEMFAQTLQQSR			Oxidation (M)[4]		Mascot
1810.9949	1810.9752	-0.0197	-11	298	314	NAPAIIFIDELDAIAPK					Mascot
1823.8262	1823.894	0.0678	37	68	83	QTVCIVLTDTCGNER			Carbamidomethyl (C)[4]		Mascot
1823.8262	1823.894	0.0678	37	68	83	QTVCIVLTDTCGNER			Carbamidomethyl (C)[4]		Mascot
1951.9218	1951.9008	-0.021	-11	546	562	GPELLTMWFGSEANVR	102		100	Oxidation (M)[7]	Mascot
1951.9218	1951.9008	-0.021	-11	546	562	GPELLTMWFGSEANVR				Oxidation (M)[7]	Mascot
2156.011	2155.9529	-0.0581	-27	680	698	ITEGFSGADLTEICQRAC K			Carbamidomethyl (C)[14,18]		Mascot
2256.137	2256.0806	-0.0564	-25	259	279	AVANETGAFFFLINGPEI					Mascot

	2518.4253	2518.4089	-0.0164	-7	618	640	MSK NVFIIGATNRPDIIDPAILR PGR	22	0					Mascot
	2518.4253	2518.4089	-0.0164	-7	618	640	NVFIIGATNRPDIIDPAILR PGR							Mascot
4	Zgc:162848 protein [Danio rerio]				gi 141795670		51350.1	5.88	9	52	71.922	17	0	
Peptide Information														
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	947.4792	947.5545	0.0753	79	90	98	AETDAATLR						Mascot	
	1045.5411	1045.55	0.0089	9	174	182	DAVEEELLK						Mascot	
	1126.6327	1126.5721	-0.0606	-54	351	360	EAPLRVAQSR						Mascot	
	1329.7485	1329.6761	-0.0724	-54	196	206	KTLDQTINQIR	17		0			Mascot	
	1329.7485	1329.6761	-0.0724	-54	196	206	KTLDQTINQIR						Mascot	
	1473.7656	1473.7635	-0.0021	-1	271	283	LAEREETASQALR						Mascot	
	1816.9058	1816.7664	-0.1394	-77	361	374	LHYRTLRLPNMEQCR						Mascot	
	1967.8777	1967.8976	0.0199	10	223	238	QQAYTLDDHCGRFSNR				Carbamidomethyl (C)[10]		Mascot	
	1967.8777	1967.8976	0.0199	10	223	238	QQAYTLDDHCGRFSNR	3		0	Carbamidomethyl (C)[10]		Mascot	
	2154.9873	2154.936	-0.0513	-24	245	262	HPSSAVLQDQVCDEEVW R				Carbamidomethyl (C)[12]		Mascot	
	2283.0823	2283.1531	0.0708	31	245	263	HPSSAVLQDQVCDEEVW RK				Carbamidomethyl (C)[12]		Mascot	
5	PREDICTED: myosin-X [Danio rerio]				gi 326665155		237030.3	6.18	21	46	0			
Peptide Information														
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	1045.6	1045.55	-0.05	-48	1416	1425	GSSQANLKLK						Mascot	
	1145.468	1145.5791	0.1111	97	2	10	DNFFTEGCR				Carbamidomethyl (C)[8]		Mascot	
	1165.6323	1165.7307	0.0984	84	1893	1902	SSFLEGTLLRR						Mascot	
	1172.6633	1172.6554	-0.0079	-7	693	703	ALALSEDLKGR						Mascot	
	1329.7122	1329.6761	-0.0361	-27	571	581	DDVLNLLRESR						Mascot	
	1329.7122	1329.6761	-0.0361	-27	571	581	DDVLNLLRESR						Mascot	
	1438.6665	1438.7064	0.0399	28	1942	1953	LQGMEQDQAMKK				Oxidation (M)[4,10]		Mascot	
	1520.7744	1520.8969	0.1225	81	466	477	HIFSLEQLEYNK						Mascot	
	1533.7921	1533.7505	-0.0416	-27	1679	1691	YAAFSQDALRHVR						Mascot	
	1540.6486	1540.7844	0.1358	88	2056	2069	FSTCQSISSHGSNW						Mascot	
	1718.9111	1718.8932	-0.0179	-10	1830	1844	YPAPEETLQFLAALR						Mascot	
	1799.8938	1799.783	-0.1108	-62	1207	1219	WCVLKDETFWFR				Carbamidomethyl (C)[2]		Mascot	
	1800.9564	1800.7736	-0.1828	-102	687	701	YYVLMRALSEDLK				Oxidation (M)[5]		Mascot	

1823.8956	1823.894	-0.0016	-1	1525	1539	ENCLNSEVVEQIYKR	Mascot
1823.8956	1823.894	-0.0016	-1	1525	1539	ENCLNSEVVEQIYKR	Mascot
1952.0594	1951.9008	-0.1586	-81	2029	2045	ELLFNTSMVVDIAKLMK	Mascot
1952.0594	1951.9008	-0.1586	-81	2029	2045	ELLFNTSMVVDIAKLMK	Mascot
1968.0544	1967.8976	-0.1568	-80	2029	2045	ELLFNTSMVVDIAKLMK	Oxidation (M)[8] Mascot
1968.0544	1967.8976	-0.1568	-80	2029	2045	ELLFNTSMVVDIAKLMK	Oxidation (M)[8] Mascot
2124.9551	2124.8955	-0.0596	-28	400	416	DSMAMALYSQCFTWIIR	Carbamidomethyl (C)[11], Oxidation (M)[3,5] Mascot
2124.9551	2124.8955	-0.0596	-28	400	416	DSMAMALYSQCFTWIIR	Carbamidomethyl (C)[11], Oxidation (M)[3,5] Mascot
2233.0972	2233.0588	-0.0384	-17	124	142	HHLGEIPPHIYAIAINECYR	Mascot
2256.0601	2256.0806	0.0205	9	968	986	AAQQFLTSLNFDEIDECV R	Carbamidomethyl (C)[17] Mascot
2283.1501	2283.1531	0.003	1	1913	1932	QEEEPAAIEVWLQDEKA GLK	Mascot
2484.3279	2484.2402	-0.0877	-35	330	353	LLSGILHVGNIETAGGA QVCSK	Carbamidomethyl (C)[22] Mascot
2484.3279	2484.2402	-0.0877	-35	330	353	LLSGILHVGNIETAGGA QVCSK	Carbamidomethyl (C)[22] Mascot
2518.2129	2518.4089	0.196	78	189	212	TASSHVEEAILESSPIMEA FGNAK	Mascot
2518.2129	2518.4089	0.196	78	189	212	TASSHVEEAILESSPIMEA FGNAK	Mascot
3672.7249	3672.7708	0.0459	12	1798	1829	LFCFSEPNVPADSVEFA FMFEQAHEAVIRGR	Mascot
3672.7249	3672.7708	0.0459	12	1798	1829	LFCFSEPNVPADSVEFA FMFEQAHEAVIRGR	Mascot

6 PREDICTED: nephronectin-like [Danio rerio] gi|326664063 25190.6 6.49 10 46 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
819.4393	819.4641	0.0248	30	141	147	LDCISLR					Mascot
882.5083	882.5549	0.0466	53	2	8	PFKSYIK					Mascot
947.5342	947.5545	0.0203	21	140	147	KLDCISLR					Mascot
1126.4768	1126.5721	0.0953	85	148	156	CQFGCQIDR			Carbamidomethyl (C)[1]		Mascot
1162.469	1162.5184	0.0494	42	84	93	CSCMEGYK GK			Carbamidomethyl (C)[1]		Mascot
1520.6732	1520.8969	0.2237	147	71	83	RPCENGFCIGPDR			Carbamidomethyl (C)[3]		Mascot
2000.8485	2001.062	0.2135	107	42	59	APGVCALEPSMTCCYGW R			Carbamidomethyl (C)[5]		Mascot
2040.9412	2041.073	0.1318	65	141	156	LDCISLR CQFGCQIDR			Carbamidomethyl (C)[3,8,12]		Mascot
2159.9849	2160.0588	0.0739	34	157	175	NDEVGCVCPGLQLAPD YR			Carbamidomethyl (C)[6,8]		Mascot
2161.822	2162.1187	0.2967	137	179	197	DINECDDPSHTCTEHQS CK					Mascot

7 26S proteasome non-ATPase regulatory subunit 2 [Danio rerio] gi|41054527 99415.5 5.24 14 43 0

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification			Rank	Result Type
1165.6112	1165.7307	0.1195	103	249	257	FNRYPEALR						Mascot
1473.7842	1473.7635	-0.0207	-14	432	446	SGALLACGIVNSGVR			Carbamidomethyl (C)[7]			Mascot
1520.9159	1520.8969	-0.019	-12	678	692	AVPLALALISVSNPR						Mascot
1629.8893	1629.7854	-0.1039	-64	730	743	LAAMLRQLAQYHAK			Oxidation (M)[4]			Mascot
1629.8893	1629.7854	-0.1039	-64	730	743	LAAMLRQLAQYHAK			Oxidation (M)[4]			Mascot
1718.9047	1718.8932	-0.0115	-7	803	817	SHYILYGLVAAMQPR						Mascot
1810.8905	1810.9752	0.0847	47	599	613	VQQLLHICSEHFDNK						Mascot
1973.9716	1973.9464	-0.0252	-13	134	150	LLGSQEELASWGHEYVR						Mascot
2001.0837	2001.062	-0.0217	-11	818	834	MLVTFDEELRPLPVSVR						Mascot
2041.0964	2041.073	-0.0234	-11	560	578	GEAIETTLAALQVPEPFR						Mascot
2049.0876	2049.0649	-0.0227	-11	850	868	AITGFQTHHTTPVLLAHGER						Mascot
2172.0818	2171.9614	-0.1204	-55	159	176	EWQEIEEGDKAQQEVLLK						Mascot
2225.1191	2225.0969	-0.0222	-10	258	276	LALMLNDVELVENIFTSCK			Carbamidomethyl (C)[18], Oxidation (M)[4]			Mascot
2457.3638	2457.344	-0.0198	-8	869	890	AELATEEFIPVTPILEGFVILR						Mascot
2518.4966	2518.4089	-0.0877	-35	678	701	AVPLALALISVSNPRLNILDTLSK						Mascot
2518.4966	2518.4089	-0.0877	-35	678	701	AVPLALALISVSNPRLNILDTLSK						Mascot
8	LOC559407 protein [Danio rerio]			gi 108742068		52727.9	5.76	8	42	0	17	0

Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type	
	947.4792	947.5545	0.0753	79	102	110	AETDAATLR					Mascot	
	1045.5411	1045.55	0.0089	9	186	194	DAVEEELLK					Mascot	
	1126.6327	1126.5721	-0.0606	-54	363	372	EAPLRVAQSR					Mascot	
	1329.7485	1329.6761	-0.0724	-54	208	218	KTLDQTINQIR	17		0		Mascot	
	1329.7485	1329.6761	-0.0724	-54	208	218	KTLDQTINQIR					Mascot	
	1473.7656	1473.7635	-0.0021	-1	283	295	LAEREETASQALR					Mascot	
	1816.9058	1816.7664	-0.1394	-77	373	386	LHYRTLRLPNMEQCR					Mascot	
	2154.9873	2154.936	-0.0513	-24	257	274	HPSSAVLQDQVCDEEVW R			Carbamidomethyl (C)[12]		Mascot	
	2283.0823	2283.1531	0.0708	31	257	275	HPSSAVLQDQVCDEEVW RK			Carbamidomethyl (C)[12]		Mascot	
9	tektin-4 [Danio rerio]				gi 224589086		51528.2	5.75	8	41	0	17	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
947.4792	947.5545	0.0753	79	91	99	AETDAATLR					Mascot
1045.5411	1045.55	0.0089	9	175	183	DAVEEELLK					Mascot
1126.6327	1126.5721	-0.0606	-54	352	361	EAPLRVAQSR					Mascot
1329.7485	1329.6761	-0.0724	-54	197	207	KTLDQTINQIR	17	0			Mascot
1329.7485	1329.6761	-0.0724	-54	197	207	KTLDQTINQIR					Mascot
1473.7656	1473.7635	-0.0021	-1	272	284	LAEREETASQALR					Mascot
1816.9058	1816.7664	-0.1394	-77	362	375	LHYRTLRLPNMEQCR					Mascot
2154.9873	2154.936	-0.0513	-24	246	263	HPSSAVLQDQVCDEEVW R			Carbamidomethyl (C)[12]		Mascot
2283.0823	2283.1531	0.0708	31	246	264	HPSSAVLQDQVCDEEVW RK			Carbamidomethyl (C)[12]		Mascot

10 PREDICTED: hypothetical protein LOC100537298
[Danio rerio]

gi|326667816

6120

8.38

6

41

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1165.5895	1165.7307	0.1412	121	10	18	CLRVNYGQR			Carbamidomethyl (C)[1]		Mascot
1282.6572	1282.6714	0.0142	11	2	12	AESSIFTRCLR					Mascot
1578.7511	1578.7739	0.0228	14	38	51	VLSCMHLPTCAIMK			Oxidation (M)[5,13]		Mascot
1578.7511	1578.7739	0.0228	14	38	51	VLSCMHLPTCAIMK			Oxidation (M)[5,13]		Mascot
1660.8042	1660.7837	-0.0205	-12	38	51	VLSCMHLPTCAIMK			Carbamidomethyl (C)[4,10]		Mascot
1718.8573	1718.8932	0.0359	21	37	51	RVLSCMHLPTCAIMK			Oxidation (M)[6]		Mascot
1816.9053	1816.7664	-0.1389	-76	37	51	RVLSCMHLPTCAIMK			Carbamidomethyl (C)[5,11]		Mascot
1974.0043	1973.9464	-0.0579	-29	38	54	VLSCMHLPTCAIMKVTL			Carbamidomethyl (C)[4,10]		Mascot
2225.0073	2225.0969	0.0896	40	19	37	CANDCPDVLNTAEQSL RR			Carbamidomethyl (C)[1]		Mascot

11 PREDICTED: TBC1 domain family member 9 isoform 2
[Danio rerio]

gi|125804583

142731.7

5.41

16

40

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5457	842.5001	-0.0456	-54	193	199	EVKLIVR					Mascot
947.4468	947.5545	0.1077	114	469	476	SPEEFNPK					Mascot
1172.5405	1172.6554	0.1149	98	628	636	MLPDYYNTR					Mascot
1556.8795	1556.8376	-0.0419	-27	196	208	LVVRWADVTQLEK					Mascot

1629.8629	1629.7854	-0.0775	-48	506	519	TKDLVLQGIPENMR	Oxidation (M)[13]	Mascot
1629.8629	1629.7854	-0.0775	-48	506	519	TKDLVLQGIPENMR	Oxidation (M)[13]	Mascot
1645.5845	1645.7821	0.1976	120	1073	1085	HNNEDDDEEEDER		Mascot
1660.821	1660.7837	-0.0373	-22	1157	1170	LQCEDIADDTVLIR	Carbamidomethyl (C)[3]	Mascot
1973.9385	1973.9464	0.0079	4	1231	1248	KVGHQHMSVSDYEISLS G		Mascot
2001.062	2001.062	0	0	241	257	LMEQLANIAMRQLLDNK		Mascot
2048.8953	2049.0649	0.1696	83	489	505	NHFTEYGQGVCMYRTDK		Mascot
2146.1213	2146.1343	0.013	6	908	926	EFISGLSVLCHGDLTEKL K	Carbamidomethyl (C)[10]	Mascot
2160.0793	2160.0588	-0.0205	-9	2	19	WVNPEEVLLASALWMTE R	Oxidation (M)[15]	Mascot
2225.137	2225.0969	-0.0401	-18	1100	1119	KPCDITPLDEIKLEDSSP K		Mascot
2457.2231	2457.344	0.1209	49	220	240	VSTRCEHVFSVFLNINE TFK		Mascot
2484.2122	2484.2402	0.028	11	446	466	QFNLNDNRVPTATQALM TMYR		Mascot
2484.2122	2484.2402	0.028	11	446	466	QFNLNDNRVPTATQALM TMYR		Mascot
2518.262	2518.4089	0.1469	58	561	582	DLHRSLPEHPAFQNMGI AALR	Oxidation (M)[16]	Mascot
2518.262	2518.4089	0.1469	58	561	582	DLHRSLPEHPAFQNMGI AALR	Oxidation (M)[16]	Mascot

12 Prmt1 protein [Danio rerio] gi|27882547 43538.7 5.73 10 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1051.651	1051.5104	-0.1406	-134	142	150	LDHIVTIK					Mascot
1051.651	1051.7001	0.0491	47	142	150	LDHIVTIK					Mascot
1075.618	1075.5247	-0.0933	-87	251	260	QLVSTACLIK					Mascot
1162.5166	1162.5184	0.0018	2	14	23	CVLHELCCSR					Mascot
1251.658	1251.6042	-0.0538	-43	203	213	ATLYVTAIEDR					Mascot
1556.7373	1556.8376	0.1003	64	364	376	GQLCEVSKTSEYR			Carbamidomethyl (C)[4]		Mascot
1718.7771	1718.8932	0.1161	68	10	23	EQNKCVLHELCCSR			Carbamidomethyl (C)[5]		Mascot
1924.0459	1923.9279	-0.118	-61	121	138	VIGIECSSISDYAVKIVK					Mascot
2172.053	2171.9614	-0.0916	-42	353	371	DLDFTVDIDFKGQLCEVS K					Mascot
2457.1365	2457.344	0.2075	84	217	235	DYKIHWWENVYGLDMSC IK			Carbamidomethyl (C)[17]		Mascot
2484.2129	2484.2402	0.0273	11	285	304	NDYIHALVTYFNIEFTRCH K					Mascot
2484.2129	2484.2402	0.0273	11	285	304	NDYIHALVTYFNIEFTRCH K					Mascot

13 Metap2 protein [Danio rerio] gi|46249906 52802.2 5.82 10 39 0

Peptide Information										
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
819.4207	819.4641	0.0434	53	277	284 DATNTGIK					Mascot
1165.6184	1165.7307	0.1123	96	166	175 QAAEAHRQVR					Mascot
1282.7075	1282.6714	-0.0361	-28	418	428 LGETKYLMAK			Oxidation (M)[8]		Mascot
1533.7689	1533.7505	-0.0184	-12	277	291 DATNTGKICAGIDVR					Mascot
1800.7646	1800.7736	0.009	5	152	165 FLDQANEDMWNDFR					Mascot
1816.7595	1816.7664	0.0069	4	152	165 FLDQANEDMWNDFR			Oxidation (M)[9]		Mascot
2040.9832	2041.073	0.0898	44	46	65 AAAVENHDGEGDTIAK VTK					Mascot
2146.1226	2146.1343	0.0117	5	394	412 AKHLLNVVNENFGTLAFC R					Mascot
2156.0588	2155.9529	-0.1059	-49	177	194 YVQSWIKPGMTMIEICEK					Mascot
2160.113	2160.0588	-0.0542	-25	396	413 HLLNVVNENFGTLAFCRR			Carbamidomethyl (C)[16]		Mascot
2172.0537	2171.9614	-0.0923	-42	177	194 YVQSWIKPGMTMIEICEK			Oxidation (M)[10]		Mascot
2284.1538	2284.1499	-0.0039	-2	176	194 KYVQSWIKPGMTMIEICE K					Mascot
14	Echinoderm microtubule associated protein like 1 [Danio rerio]				gi 115313535	30885.7	9.96	8	39	0

Peptide Information										
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
986.5741	986.519	-0.0551	-56	57	65 SALADVVR					Mascot
1165.5782	1165.7307	0.1525	131	176	185 EPVFSAGMRR			Oxidation (M)[8]		Mascot
1473.7617	1473.7635	0.0018	1	45	56 VQMQEDEIQLLK					Mascot
1533.7577	1533.7505	-0.0072	-5	66	78 LNISEEQQAMLNK			Oxidation (M)[10]		Mascot
1645.8578	1645.7821	-0.0757	-46	66	79 LNISEEQQAMLNKK					Mascot
1718.8191	1718.8932	0.0741	43	212	228 SSSAVPSQSTNNPSEVK					Mascot
1973.9572	1973.9464	-0.0108	-5	251	267 KCTSQPVHSPLEPTYR					Mascot
2457.4485	2457.344	-0.1045	-43	84	106 ARPMIAALPLRPTVNNGT VLPKK					Mascot
15	PREDICTED: atrial natriuretic peptide receptor 1 [Danio rerio]				gi 292609933	123931.2	7.58	11	38	0 15 0

Peptide Information										
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
842.5246	842.5001	-0.0245	-29	634	640 KAVHFIK					Mascot
947.468	947.5545	0.0865	91	881	888 TAEHQEEK					Mascot

	1075.563	1075.5247	-0.0383	-36	881	889	TAELEQEEKK											Mascot
	1126.5964	1126.5721	-0.0243	-22	135	144	LGAFVFEICK											Mascot
	1329.7849	1329.6761	-0.1088	-82	902	914	SVASQLIAGKTVR	15		0								Mascot
	1329.7849	1329.6761	-0.1088	-82	902	914	SVASQLIAGKTVR											Mascot
	1556.894	1556.8376	-0.0564	-36	990	1003	EIARMSLAIVQGLR											Mascot
	1816.9565	1816.7664	-0.1901	-105	1004	1018	SFHSPHVPEQQLRVR											Mascot
	1923.8688	1923.9279	0.0591	31	415	431	DSPDCGFRGELCINLER											Mascot
	1968.0259	1967.8976	-0.1283	-65	12	29	FTLLISMPTSIPFSSGR											Mascot
	1968.0259	1967.8976	-0.1283	-65	12	29	FTLLISMPTSIPFSSGR	4		0								Mascot
	2049.1636	2049.0649	-0.0987	-48	200	218	VLNEMAQVARIIVISAHGK											Mascot
	2484.2339	2484.2402	0.0063	3	400	422	GVQILWPGGLTSPPKDS PDCGFR						Carbamidomethyl (C)[20]					Mascot
	2484.2339	2484.2402	0.0063	3	400	422	GVQILWPGGLTSPPKDS PDCGFR						Carbamidomethyl (C)[20]					Mascot
16	Wars protein [Danio rerio]				gi 182890772		52294.4	6.24	8	38	0	8	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1251.6038	1251.6042	0.0004	0	214	224	DIIACGFDVNK				Carbamidomethyl (C)[5]		Mascot
1329.7122	1329.6761	-0.0361	-27	105	115	VDQELVDRISR						Mascot
1329.7122	1329.6761	-0.0361	-27	105	115	VDQELVDRISR						Mascot
1951.9807	1951.9008	-0.0799	-41	442	457	HKHVTDDIVQQFMTPR						Mascot
1951.9807	1951.9008	-0.0799	-41	442	457	HKHVTDDIVQQFMTPR						Mascot
1967.9379	1967.8976	-0.0403	-20	2	19	SSPLDLIECVTAQGETV R						Mascot
1967.9379	1967.8976	-0.0403	-20	2	19	SSPLDLIECVTAQGETV R	10		0			Mascot
2049.1279	2049.0649	-0.063	-31	156	174	GPSSQAIHVGHLIPFIFTK						Mascot
2155.9998	2155.9529	-0.0469	-22	1	19	MSSPLDLIECVTAQGET VR				Carbamidomethyl (C)[10]		Mascot
2171.9946	2171.9614	-0.0332	-15	1	19	MSSPLDLIECVTAQGET VR				Carbamidomethyl (C)[10], Oxidation (M)[1]		Mascot
2457.136	2457.344	0.208	85	295	314	DVQCLIPCAIDQDPYFRM TR				Carbamidomethyl (C)[4], Oxidation (M)[18]		Mascot
2484.2109	2484.2402	0.0293	12	1	22	MSSPLDLIECVTAQGET VRSIK				Carbamidomethyl (C)[10]		Mascot
2484.2109	2484.2402	0.0293	12	1	22	MSSPLDLIECVTAQGET VRSIK				Carbamidomethyl (C)[10]		Mascot

17 PREDICTED: DNA replication licensing factor
MCM8-like [Danio rerio] gi|326675408 93684.5 7.98 13 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
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	947.4904	947.5545	0.0641	68	629	639	SGAVSGAAATR						Mascot
	989.4972	989.4801	-0.0171	-17	156	163	DLKEMPEK						Mascot
	1051.4772	1051.5104	0.0332	32	276	284	CLQSECRGR						Mascot
	1145.7153	1145.5791	-0.1362	-119	230	239	FVVRGTVVR						Mascot
	1162.5521	1162.5184	-0.0337	-29	305	314	VQELMSGDQR						Mascot
	1251.611	1251.6042	-0.0068	-5	776	787	SQLGSGMSNRSK						Mascot
	1473.7301	1473.7635	0.0334	23	473	485	SQMLQAVCNVAPR			Carbamidomethyl (C)[8]			Mascot
	1578.8308	1578.7739	-0.0569	-36	805	817	SMFELQDLRQLAK						Mascot
	1578.8599	1578.7739	-0.086	-54	145	158	QVSHSLPDLARDLK						Mascot
	1660.9237	1660.7837	-0.14	-84	235	249	GTVVRVSNIKPLCMK			Oxidation (M)[14]			Mascot
	1923.9698	1923.9279	-0.0419	-22	401	416	DLYAIQEIQAQEDLFK						Mascot
	2001.095	2001.062	-0.033	-16	454	472	IPIRGDPHMLIVGDPGLG K			Oxidation (M)[9]			Mascot
	2518.2717	2518.4089	0.1372	54	66	88	GNAPQVSQARVTQATLDI TCPYK			Carbamidomethyl (C)[20]			Mascot
	2518.2717	2518.4089	0.1372	54	66	88	GNAPQVSQARVTQATLDI TCPYK			Carbamidomethyl (C)[20]			Mascot
18	methionyl aminopeptidase 2 [Danio rerio]				gi 41054491		53147.4	5.74	10	37	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	819.4207	819.4641	0.0434	53	280	287	DATNTGIK					Mascot
	1165.6184	1165.7307	0.1123	96	169	178	QAAEAHRQVR					Mascot
	1282.7075	1282.6714	-0.0361	-28	421	431	LGETKYLMAK			Oxidation (M)[8]		Mascot
	1533.7689	1533.7505	-0.0184	-12	280	294	DATNTGIKCAGIDVR					Mascot
	1800.7646	1800.7736	0.009	5	155	168	FLDQANEDMWNDFR					Mascot
	1816.7595	1816.7664	0.0069	4	155	168	FLDQANEDMWNDFR			Oxidation (M)[9]		Mascot
	2040.9832	2041.073	0.0898	44	49	68	AAAVENHDGEGDTIAK VTK					Mascot
	2146.1226	2146.1343	0.0117	5	397	415	AKHLLNVVNENFGTLAFC R					Mascot
	2156.0588	2155.9529	-0.1059	-49	180	197	YVQSWIKPGMTMIEICEK					Mascot
	2160.113	2160.0588	-0.0542	-25	399	416	HLLNVVNENFGTLAFCRR			Carbamidomethyl (C)[16]		Mascot
	2172.0537	2171.9614	-0.0923	-42	180	197	YVQSWIKPGMTMIEICEK			Oxidation (M)[10]		Mascot
	2284.1538	2284.1499	-0.0039	-2	179	197	KYVQSWIKPGMTMIEICE K					Mascot

19 hypothetical protein LOC406277 [Danio rerio] gi|47086959 38211.2 9.31 8 36 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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				Seq.	Seq.	Score							
20	lefty1 [Danio rerio]	1251.5575	1251.6042	0.0467	37	36	45	NFAFVHMDDR					Mascot
		1282.6174	1282.6714	0.054	42	226	236	ARPYGVAYDDR					Mascot
		1799.8883	1799.783	-0.1053	-59	95	110	ALFEDYGTVAECAIK			Carbamidomethyl (C)[12]		Mascot
		1816.9149	1816.7664	-0.1485	-82	20	35	SLFSQYGTVTECAIK			Carbamidomethyl (C)[12]		Mascot
		1823.9949	1823.894	-0.1009	-55	237	254	RPGGIPIPPPPSSAIMR					Mascot
		1823.9949	1823.894	-0.1009	-55	237	254	RPGGIPIPPPPSSAIMR					Mascot
		2041.1328	2041.073	-0.0598	-29	2	19	VKIFIGNLPQQAEDLK					Mascot
		2172.1733	2171.9614	-0.2119	-98	1	19	MVKIFIGNLPQQAEDEL K					Mascot
		2457.0967	2457.344	0.2473	101	147	167	SRPRGEEDDYGHPDAGY WPPR					Mascot
20	lefty1 [Danio rerio]					gi 18858969	41014.5	8.65	10	36	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	986.4689	986.519	0.0501	51	305	312	NYGYGERK					Mascot
	996.5546	996.5847	0.0301	30	58	65	NKYISMLK					Mascot
	1520.7413	1520.8969	0.1556	102	20	32	GFTHEDMKDALLK			Oxidation (M)[7]		Mascot
	1533.8748	1533.7505	-0.1243	-81	45	57	RDLENLVIPTHVK					Mascot
	1823.9104	1823.894	-0.0164	-9	313	328	CAVVESAPLPMMYLVK			Carbamidomethyl (C)[1], Oxidation (M)[11]		Mascot
	1823.9104	1823.894	-0.0164	-9	313	328	CAVVESAPLPMMYLVK			Carbamidomethyl (C)[1], Oxidation (M)[11]		Mascot
	1952.0054	1951.9008	-0.1046	-54	313	329	CAVVESAPLPMMYLVKK			Carbamidomethyl (C)[1], Oxidation (M)[11]		Mascot
	1952.0599	1951.9008	-0.1591	-82	165	181	TSLVDSRLPIHETGWK					Mascot
	1968.0002	1967.8976	-0.1026	-52	313	329	CAVVESAPLPMMYLVKK			Carbamidomethyl (C)[1], Oxidation (M)[11,12]		Mascot
	1968.0002	1967.8976	-0.1026	-52	312	328	KCAVVESAPLPMMYLVK			Carbamidomethyl (C)[2], Oxidation (M)[12,13]		Mascot
	2283.0999	2283.1531	0.0532	23	84	104	GIPGNADISGEFVYSDDT RQR					Mascot
	2484.1655	2484.2402	0.0747	30	6	27	AACLLCAALFAMARGFTH EDMK			Carbamidomethyl (C)[3,6]		Mascot
	2484.1655	2484.2402	0.0747	30	6	27	AACLLCAALFAMARGFTH EDMK			Carbamidomethyl (C)[3,6]		Mascot

21 novel protein similar to TBC1 domain family, member 9 (TBC1D9) [Danio rerio] gi|122890626 138295.5 5.38 15 35 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	842.5457	842.5001	-0.0456	-54	152	158	EVKLVVR					Mascot
	947.4468	947.5545	0.1077	114	428	435	SPEEFNPK					Mascot

1172.5405	1172.6554	0.1149	98	587	595	MLPDYYNTR		Mascot
1556.8795	1556.8376	-0.0419	-27	155	167	LVVRWADVTQLEK		Mascot
1629.8629	1629.7854	-0.0775	-48	465	478	TKDLVLQGIPENMR	Oxidation (M)[13]	Mascot
1629.8629	1629.7854	-0.0775	-48	465	478	TKDLVLQGIPENMR	Oxidation (M)[13]	Mascot
1645.5845	1645.7821	0.1976	120	1032	1044	HNNEDDDEEEDER		Mascot
1660.821	1660.7837	-0.0373	-22	1116	1129	LQCEDIADDTVLIR	Carbamidomethyl (C)[3]	Mascot
1973.9385	1973.9464	0.0079	4	1190	1207	KVGHQHMSVSDYEISLS G		Mascot
2001.062	2001.062	0	0	200	216	LMEQLANIAMRQLLDNK		Mascot
2048.8953	2049.0649	0.1696	83	448	464	NHFTEYGGQVCMYRTDK		Mascot
2146.1213	2146.1343	0.013	6	867	885	EFISGLSVLCHGDLTEKL K	Carbamidomethyl (C)[10]	Mascot
2225.137	2225.0969	-0.0401	-18	1059	1078	KPCDITPPLDEIKLEDSSP K		Mascot
2457.2231	2457.344	0.1209	49	179	199	VSTRCSEHVFSVFLNINE TFK		Mascot
2484.2122	2484.2402	0.028	11	405	425	QFNLNDNRVPTATQALM TMYR		Mascot
2484.2122	2484.2402	0.028	11	405	425	QFNLNDNRVPTATQALM TMYR		Mascot
2518.262	2518.4089	0.1469	58	520	541	DLHRSLPEHPAFQNEMGI AALR	Oxidation (M)[16]	Mascot
2518.262	2518.4089	0.1469	58	520	541	DLHRSLPEHPAFQNEMGI AALR	Oxidation (M)[16]	Mascot

Peptide Information

	2161.9966	2162.1187	0.1221	56	677	695	VGR EDVSQRMEMNGSSSHIN IK						Mascot
	2484.0999	2484.2402	0.1403	56	974	993	WCVLSGYCISYWTPDD EKR						Mascot
	2484.0999	2484.2402	0.1403	56	973	992	RWCVLSGYCISYWTPD DEK						Mascot
23	leucine-rich repeat LGI family, member 2b [Danio rerio]					gi 88900439	62395.5	5.89	10	35	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4944	882.5549	0.0605	69	127	133	YAFRGLR					Mascot
1242.6113	1242.6195	0.0082	7	305	314	YDQAQNKFTK					Mascot
1282.679	1282.6714	-0.0076	-6	121	130	IEEINKYAFR					Mascot
1438.7649	1438.7064	-0.0585	-41	134	146	DVTHLSLANNNLK					Mascot
1578.8527	1578.7739	-0.0788	-50	533	545	TKVFEHILVDYSK					Mascot
1578.8527	1578.7739	-0.0788	-50	533	545	TKVFEHILVDYSK					Mascot
1973.9055	1973.9464	0.0409	21	184	201	RSNATISDVYCASPSAMK			Carbamidomethyl (C)[11], Oxidation (M)[17]		Mascot
2041.1337	2041.073	-0.0607	-30	13	29	KCLLLTLFVSSFQLCR			Carbamidomethyl (C)[2]		Mascot
2233.0923	2233.0588	-0.0335	-15	474	491	EQHYLILSSDYSFSQIFR					Mascot
2284.0439	2284.1499	0.106	46	36	57	CPSGCTCTTDSIICIGSSL LPR			Carbamidomethyl (C)[1]		Mascot
2457.0793	2457.344	0.2647	108	166	184	GNMFHCDCESMWLMLW LKR			Carbamidomethyl (C)[6]		Mascot

24	LOC100148802 protein [Danio rerio]					gi 120537559	28840.7	9.21	7	35	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
986.5628	986.519	-0.0438	-44	36	45	EAKGGLNLGK					Mascot
1162.6466	1162.5184	-0.1282	-110	153	162	EKFNSTVIPK					Mascot
1251.6262	1251.6042	-0.022	-18	65	74	GSIMFQERQR					Mascot
1578.7251	1578.7739	0.0488	31	52	64	DVMMEELNLNTNR					Mascot
1578.7251	1578.7739	0.0488	31	52	64	DVMMEELNLNTNR					Mascot
1718.8132	1718.8932	0.08	47	248	263	APRGWGIGYSPESNDL					Mascot
1810.9309	1810.9752	0.0443	24	155	169	FNSTVIPKLYCSPWR					Mascot
1952.0348	1951.9008	-0.134	-69	134	152	GSPNALAPGYSGPLREIP R					Mascot
1952.0348	1951.9008	-0.134	-69	134	152	GSPNALAPGYSGPLREIP R					Mascot

25	PREDICTED: putative uncharacterized zinc finger protein 814-like [Danio rerio]					gi 292610426	61962.5	9.03	14	35	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.5472	996.5847	0.0375	38	350	358	IHTGEKPSK					Mascot
1045.5789	1045.55	-0.0289	-28	365	373	SFTHKGQLK					Mascot
1520.7638	1520.8969	0.1331	88	490	502	LHTDERPHVCSVK					Mascot
1660.7571	1660.7837	0.0266	16	210	224	IHTGEKPYTCSHCGK					Mascot
1718.7625	1718.8932	0.1307	76	154	168	LHTEDGPFICGQCGK			Carbamidomethyl (C)[10,13]		Mascot
1799.8414	1799.783	-0.0584	-32	350	364	IHTGEKPSKCECEK			Carbamidomethyl (C)[10,13]		Mascot
1810.7986	1810.9752	0.1766	98	528	543	EQTEELLGQCPFLCGS			Carbamidomethyl (C)[10]		Mascot
1923.9731	1923.9279	-0.0452	-23	2	17	EFIKMEIVDSIDAELR			Oxidation (M)[5]		Mascot
1952.0197	1951.9008	-0.1189	-61	512	527	EVIEEFLLFPETCRVK					Mascot
1952.0197	1951.9008	-0.1189	-61	512	527	EVIEEFLLFPETCRVK					Mascot
2146.0281	2146.1343	0.1062	49	402	420	THSRTHSGVKPYSCLCQ GK			Carbamidomethyl (C)[14]		Mascot
2156.0198	2155.9529	-0.0669	-31	374	392	DHMRHSGEKPYACPLC AK					Mascot
2172.0146	2171.9614	-0.0532	-24	374	392	DHMRHSGEKPYACPLC AK			Oxidation (M)[3]		Mascot
2225.1106	2225.0969	-0.0137	-6	178	196	HHVKIHYAGKPFTCELCG K			Carbamidomethyl (C)[14]		Mascot
2256.022	2256.0806	0.0586	26	262	280	SHMRIHTGEKPFSCCHQC GK			Carbamidomethyl (C)[14], Oxidation (M)[3]		Mascot
2484.1746	2484.2402	0.0656	26	62	84	LDSEDPTIHTSEKPNTCP VCGK					Mascot
2484.1746	2484.2402	0.0656	26	62	84	LDSEDPTIHTSEKPNTCP VCGK					Mascot

26 protein arginine N-methyltransferase 1 [Danio rerio] gi|41055247 39343.7 5.47 8 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1051.651	1051.5104	-0.1406	-134	105	113	LDHIVTIHK					Mascot
1051.651	1051.7001	0.0491	47	105	113	LDHIVTIHK					Mascot
1075.618	1075.5247	-0.0933	-87	214	223	QLVSTACLIK					Mascot
1251.658	1251.6042	-0.0538	-43	166	176	ATLYVTAIEDR					Mascot
1556.7373	1556.8376	0.1003	64	327	339	GQLCEVSKTSEYR			Carbamidomethyl (C)[4]		Mascot
1924.0459	1923.9279	-0.118	-61	84	101	VIGIECSSISDYAVKIVK					Mascot
1951.8914	1951.9008	0.0094	5	2	20	EVSQGESSAKPAAEDMT SK					Mascot
1951.8914	1951.9008	0.0094	5	2	20	EVSQGESSAKPAAEDMT SK					Mascot
1967.8862	1967.8976	0.0114	6	2	20	EVSQGESSAKPAAEDMT SK			Oxidation (M)[16]		Mascot

	1967.8862	1967.8976	0.0114	6	2	20	EVSQGESSAKPAAEDMT SK						Oxidation (M)[16]	Mascot
	2172.053	2171.9614	-0.0916	-42	316	334	DLDFTVDIDFKGQLCEVS K							Mascot
	2484.2129	2484.2402	0.0273	11	248	267	NDYIHALVTYFNIEFTRCH K							Mascot
	2484.2129	2484.2402	0.0273	11	248	267	NDYIHALVTYFNIEFTRCH K							Mascot
27	pyruvate dehydrogenase kinase, isozyme 3b [Danio rerio]					gi 123702577	21003.7	8.49	7	34	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
882.4468	882.5549	0.1081	123	30	36	QFLDFGR						Mascot
1045.5499	1045.55	0.0001	0	43	50	TSYMFLRK						Mascot
1165.6836	1165.7307	0.0471	40	1	9	MKLFICLLK				Carbamidomethyl (C)[6]		Mascot
1556.7162	1556.8376	0.1214	78	30	42	QFLDFGRENACEK						Mascot
1800.8949	1800.7736	-0.1213	-67	118	133	HNDVVPTMAQGVIEYK						Mascot
1816.8898	1816.7664	-0.1234	-68	118	133	HNDVVPTMAQGVIEYK				Oxidation (M)[8]		Mascot
2155.0852	2154.936	-0.1492	-69	96	113	RSPEDPHTLNDFLEMLIK						Mascot
2284.1641	2284.1499	-0.0142	-6	97	115	SPEDPHTLNDFLEMLIKIR				Oxidation (M)[14]		Mascot

28	tryptophanyl-tRNA synthetase, cytoplasmic [Danio rerio]					gi 41152126	52339.4	6.2	7	34	0	10	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1251.6038	1251.6042	0.0004	0	214	224	DIIACGFVDVNK				Carbamidomethyl (C)[5]		Mascot
1329.7122	1329.6761	-0.0361	-27	105	115	VDQELVDRISR						Mascot
1329.7122	1329.6761	-0.0361	-27	105	115	VDQELVDRISR						Mascot
1967.9379	1967.8976	-0.0403	-20	2	19	SSPLDLIECVTAQGETV R						Mascot
1967.9379	1967.8976	-0.0403	-20	2	19	SSPLDLIECVTAQGETV R	10	0				Mascot
2049.1279	2049.0649	-0.063	-31	156	174	GPSSQAIHVGHLPFIFTK						Mascot
2155.9998	2155.9529	-0.0469	-22	1	19	MSSPLDLIECVTAQGET VR				Carbamidomethyl (C)[10]		Mascot
2171.9946	2171.9614	-0.0332	-15	1	19	MSSPLDLIECVTAQGET VR				Carbamidomethyl (C)[10], Oxidation (M)[1]		Mascot
2457.136	2457.344	0.208	85	295	314	DVQCLIPCAIDQDPYFRM TR				Carbamidomethyl (C)[4], Oxidation (M)[18]		Mascot
2484.2109	2484.2402	0.0293	12	1	22	MSSPLDLIECVTAQGET VRSIK				Carbamidomethyl (C)[10]		Mascot
2484.2109	2484.2402	0.0293	12	1	22	MSSPLDLIECVTAQGET VRSIK				Carbamidomethyl (C)[10]		Mascot

29	Tryptophanyl-tRNA synthetase [Danio rerio]					gi 55777372	52313.4	6.33	7	34	0	10	0	
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Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
1251.6038	1251.6042	0.0004	0	214	224	DIIACGFDVNK				Carbamidomethyl (C)[5]	Mascot
1329.7122	1329.6761	-0.0361	-27	105	115	VDQELVDRISR					Mascot
1329.7122	1329.6761	-0.0361	-27	105	115	VDQELVDRISR					Mascot
1967.9379	1967.8976	-0.0403	-20	2	19	SSPLDLYECVTAQGETV R					Mascot
1967.9379	1967.8976	-0.0403	-20	2	19	SSPLDLYECVTAQGETV R	10		0		Mascot
2049.1279	2049.0649	-0.063	-31	156	174	GPSSQAIHVGHLIPFIFTK					Mascot
2155.9998	2155.9529	-0.0469	-22	1	19	MSSPLDLYECVTAQGET VR				Carbamidomethyl (C)[10]	Mascot
2171.9946	2171.9614	-0.0332	-15	1	19	MSSPLDLYECVTAQGET VR				Carbamidomethyl (C)[10], Oxidation (M)[1]	Mascot
2457.136	2457.344	0.208	85	295	314	DVQCLIPCAIDQDPYFRM TR				Carbamidomethyl (C)[4], Oxidation (M)[18]	Mascot
2484.2109	2484.2402	0.0293	12	1	22	MSSPLDLYECVTAQGET VRSIK				Carbamidomethyl (C)[10]	Mascot
2484.2109	2484.2402	0.0293	12	1	22	MSSPLDLYECVTAQGET VRSIK				Carbamidomethyl (C)[10]	Mascot
30	coiled-coil domain-containing protein 80 precursor [Danio rerio]				gi 55742450	99857.2	9.69	10	34	0 21 0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
842.459	842.5001	0.0411	49	90	97	RPAQGGTR					Mascot
1045.5312	1045.55	0.0188	18	599	606	IDHYQLEK					Mascot
1329.7485	1329.6761	-0.0724	-54	771	782	EGISATLVDIR	21		0		Mascot
1329.7485	1329.6761	-0.0724	-54	771	782	EGISATLVDIR					Mascot
1438.6379	1438.7064	0.0685	48	66	77	QQMQGDEGVQFR				Oxidation (M)[3]	Mascot
1578.7441	1578.7739	0.0298	19	66	78	QQMQGDEGVQFR					Mascot
1578.7441	1578.7739	0.0298	19	65	77	RQQMQGDEGVQFR					Mascot
1660.8363	1660.7837	-0.0526	-32	599	611	IDHYQLEKDKPMK				Oxidation (M)[12]	Mascot
2041.0166	2041.073	0.0564	28	150	166	LMMSLLKPEVYCELAER				Oxidation (M)[2]	Mascot
2233.1155	2233.0588	-0.0567	-25	336	356	STTTTTTTTTTTTRPTTTT TR					Mascot
2457.1941	2457.344	0.1499	61	232	251	YPYPVRLEAMYEVIDQSP MR					Mascot
31	PREDICTED: myozenin-2 [Danio rerio]				gi 292620473	31899.1	9.54	7	33	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type

	986.5628	986.519	-0.0438	-44	60	69	EAKGGLNLGK										Mascot
	1162.6466	1162.5184	-0.1282	-110	177	186	EKFNSTVIPK										Mascot
	1251.6262	1251.6042	-0.022	-18	89	98	GSIMFQERQR										Mascot
	1578.7251	1578.7739	0.0488	31	76	88	DVMMEELNLNTNR										Mascot
	1578.7251	1578.7739	0.0488	31	76	88	DVMMEELNLNTNR										Mascot
	1718.8132	1718.8932	0.08	47	272	287	APRGWGIGYSPESNDL										Mascot
	1810.9309	1810.9752	0.0443	24	179	193	FNSTVIPKLYCSPWR										Mascot
	1952.0348	1951.9008	-0.134	-69	158	176	GSPNALAPGYSGPLREIP R										Mascot
	1952.0348	1951.9008	-0.134	-69	158	176	GSPNALAPGYSGPLREIP R										Mascot
32	leucine-rich repeat LGI family, member 2b [Danio rerio] gi 220679474 63071.9 6.09 10 33 0																

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4944	882.5549	0.0605	69	133	139	YAFRGLR					Mascot
1242.6113	1242.6195	0.0082	7	311	320	YDQAQNKFTK					Mascot
1282.679	1282.6714	-0.0076	-6	127	136	IEEINKYAFR					Mascot
1438.7649	1438.7064	-0.0585	-41	140	152	DVTHLSLANNLNK					Mascot
1578.8527	1578.7739	-0.0788	-50	539	551	TKVFEHILVDYSK					Mascot
1578.8527	1578.7739	-0.0788	-50	539	551	TKVFEHILVDYSK					Mascot
1973.9055	1973.9464	0.0409	21	190	207	RSNATISDVYCASPSAMK			Carbamidomethyl (C)[11], Oxidation (M)[17]		Mascot
2139.1816	2138.9331	-0.2485	-116	20	37	CLLLTLLFVGSFQLCRAK			Carbamidomethyl (C)[1,15]		Mascot
2233.0923	2233.0588	-0.0335	-15	480	497	EQHYLILSSDYSFSQIFR					Mascot
2284.0439	2284.1499	0.106	46	42	63	CPSGCTCTTDSIICIGSSL LPR			Carbamidomethyl (C)[1]		Mascot
2457.0793	2457.344	0.2647	108	172	190	GNMFHCDCESMWMLW LKR			Carbamidomethyl (C)[6]		Mascot

33 Zgc:152774 protein [Danio rerio] gi|62202673 48140.9 9.53 8 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1075.5128	1075.5247	0.0119	11	80	88	MLSFGFTEK			Oxidation (M)[1]		Mascot
1162.5997	1162.5184	-0.0813	-70	336	346	VGCQIKSSGQR					Mascot
1578.7303	1578.7739	0.0436	28	317	328	EHFGIMMYHKNR			Oxidation (M)[6]		Mascot
1578.7303	1578.7739	0.0436	28	317	328	EHFGIMMYHKNR			Oxidation (M)[6]		Mascot
1967.9677	1967.8976	-0.0701	-36	122	140	NGGCQSVGMLSQSFLQA IK					Mascot

	1967.9677	1967.8976	-0.0701	-36	122	140	NGGCQSVGMLSQSFLQA IK							Mascot
	1973.8579	1973.9464	0.0885	45	59	76	DQLCLSFTDNGSGMTPS K	Carbamidomethyl (C)[4], Oxidation (M)[14]						Mascot
	2040.9841	2041.073	0.0889	44	122	140	NGGCQSVGMLSQSFLQA IK	Carbamidomethyl (C)[4], Oxidation (M)[9]						Mascot
	2139.1379	2138.9331	-0.2048	-96	347	366	SGVGVIGVIECNFLKPAH NK	Carbamidomethyl (C)[11]						Mascot
	2457.2144	2457.344	0.1296	53	174	194	YSLFQSESELQEQLDSIQ GKK							Mascot
	3081.6213	3081.4858	-0.1355	-44	141	169	AQAVIVPIAPFNQQTNAL VVTEDSEASLR							Mascot
34	PREDICTED: echinoderm microtubule associated protein like 6 [Danio rerio]				gi 326672044		191942.5	7.32	18	33	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4617	842.5001	0.0384	46	433	439	EDLPQLK					Mascot
996.5546	996.5847	0.0301	30	714	721	CLKTYAIK			Carbamidomethyl (C)[1]		Mascot
1051.5167	1051.5104	-0.0063	-6	519	528	DYVASGQVGR					Mascot
1051.651	1051.7001	0.0491	47	1117	1126	AAPLPDKLVK					Mascot
1145.5143	1145.5791	0.0648	57	1077	1085	EKNMDYTTK			Oxidation (M)[4]		Mascot
1172.6382	1172.6554	0.0172	15	1544	1553	DRSVAIQDIR					Mascot
1282.6677	1282.6714	0.0037	3	983	994	LLATGDDFGFVK					Mascot
1533.7994	1533.7505	-0.0489	-32	176	188	FWALCGNALTPKR			Carbamidomethyl (C)[5]		Mascot
1578.8123	1578.7739	-0.0384	-24	862	875	EIISDIRFSQDAGK					Mascot
1578.8123	1578.7739	-0.0384	-24	862	875	EIISDIRFSQDAGK					Mascot
1800.8737	1800.7736	-0.1001	-56	1717	1732	YVISVGNDCSVFVWR					Mascot
1816.8759	1816.7664	-0.1095	-60	548	564	GQHQRGVCALEFTADGK					Mascot
1823.9208	1823.894	-0.0268	-15	296	311	ILAGTQDSEIFEVMVR			Oxidation (M)[14]		Mascot
1823.9208	1823.894	-0.0268	-15	296	311	ILAGTQDSEIFEVMVR			Oxidation (M)[14]		Mascot
1968.076	1967.8976	-0.1784	-91	723	741	AALSPSSKGLLLEDNPSI R					Mascot
1968.076	1967.8976	-0.1784	-91	723	741	AALSPSSKGLLLEDNPSI R					Mascot
2139.0862	2138.9331	-0.1531	-72	1616	1634	QIHEVPSGKLVSDQALM DR			Oxidation (M)[17]		Mascot
2160.0325	2160.0588	0.0263	12	897	915	VGICKGASSCITHVDWDV R			Carbamidomethyl (C)[4,10]		Mascot
2283.2019	2283.1531	-0.0488	-21	1285	1304	IFVVEFRPDSDTQFVSVG IK					Mascot
3081.3723	3081.4858	0.1135	37	231	260	TIQAAHGAGIFSMHSCEE GFATGGRDGCVR			Oxidation (M)[13]		Mascot
3672.8223	3672.7708	-0.0515	-14	765	799	SGPMTLLVQGHMEGEV WGLAAHPLLPICATVSDD K					Mascot
3672.8223	3672.7708	-0.0515	-14	765	799	SGPMTLLVQGHMEGEV					Mascot

WG⁺LA⁺AH⁺PL⁺L⁺PICATVSD⁺D⁺K

35 novel protein [Danio rerio] gi|220679558 45035 4.99 8 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
819.4094	819.4641	0.0547	67	375	381	LDETDVK					Mascot
842.473	842.5001	0.0271	32	382	388	DPKDVLR					Mascot
882.4791	882.5549	0.0758	86	1	7	VSTYTRR					Mascot
989.5197	989.4801	-0.0396	-40	236	243	LRAEMQNK					Mascot
1045.5889	1045.55	-0.0389	-37	54	62	VIDTLESLR					Mascot
1242.5541	1242.6195	0.0654	53	7	16	RCPGCQMIYR			Oxidation (M)[7]		Mascot
1718.8629	1718.8932	0.0303	18	202	215	LVEELMKQEVDVDR			Oxidation (M)[6]		Mascot
2256.0278	2256.0806	0.0528	23	253	274	ICGSSGGCSVVMCPHGV VYSLK			Carbamidomethyl (C)[2], Oxidation (M)[12]		Mascot

36 TUWD12 [Danio rerio] gi|37682095 54354 6.31 9 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
819.4458	819.4641	0.0183	22	454	460	LTLTEDK					Mascot
1045.5789	1045.55	-0.0289	-28	212	219	IWDIRTNK					Mascot
1162.6313	1162.5184	-0.1129	-97	117	127	LVTASDDKSVK					Mascot
1165.5708	1165.7307	0.1599	137	107	116	SVNFSRDGQR					Mascot
1172.6497	1172.6554	0.0057	5	41	50	SLMIWNLAPK					Mascot
1815.8442	1815.782	-0.0622	-34	16	31	GHKDVISCADFNPNK			Carbamidomethyl (C)[8]		Mascot
2000.854	2001.062	0.208	104	395	410	THTQAREEEDENQEER					Mascot
2139.2073	2138.9331	-0.2742	-128	262	280	LIYTLHG ⁺ HKG ⁺ PVLT ⁺ VTFS ⁺ R					Mascot
2160.0537	2160.0588	0.0051	2	463	480	TCLDNQVLLMQNQQLD R					Mascot
2233.0701	2233.0588	-0.0113	-5	463	480	TCLDNQVLLMQNQQLD R			Carbamidomethyl (C)[2], Oxidation (M)[10]		Mascot

37 novel protein similar to H.sapiens natriuretic peptide receptor [Danio rerio] gi|220679014 36034.1 6.04 5 32 0 15 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
947.468	947.5545	0.0865	91	100	107	TAE ⁺ LQEEK					Mascot
1075.563	1075.5247	-0.0383	-36	100	108	TAE ⁺ LQEEKK					Mascot

	1329.7849	1329.6761	-0.1088	-82	121	133	SVASQLIAGKTVR	15	0		Mascot
	1329.7849	1329.6761	-0.1088	-82	121	133	SVASQLIAGKTVR				Mascot
	1556.894	1556.8376	-0.0564	-36	209	222	EIARMSLAIVQGLR				Mascot
	1816.9565	1816.7664	-0.1901	-105	223	237	SFHSPHVPEQQLRVR				Mascot

38 LOC100148802 protein [Danio rerio] gi|148745689 29506 9.62 7 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
986.5628	986.519	-0.0438	-44	37	46	EAKGGLNLGK					Mascot
1162.6466	1162.5184	-0.1282	-110	154	163	EKFNSTVIPK					Mascot
1251.6262	1251.6042	-0.022	-18	66	75	GSIMFQERQR					Mascot
1578.7251	1578.7739	0.0488	31	53	65	DVMMEELNLNTNR					Mascot
1578.7251	1578.7739	0.0488	31	53	65	DVMMEELNLNTNR					Mascot
1718.8132	1718.8932	0.08	47	249	264	APRGWGIGYSPESNDL					Mascot
1810.9309	1810.9752	0.0443	24	156	170	FNSTVIPKLYCSPWR					Mascot
1952.0348	1951.9008	-0.134	-69	135	153	GSPNALAPGYSGPLREIP R					Mascot
1952.0348	1951.9008	-0.134	-69	135	153	GSPNALAPGYSGPLREIP R					Mascot

39 novel protein similar to vertebrate leucine rich repeat (in gi|169154866 56467.8 6.27 11 32 0
FLII) interacting protein family [Danio

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
819.4219	819.4641	0.0422	51	81	86	YSRHTR					Mascot
842.5458	842.5001	-0.0457	-54	291	297	KILALER					Mascot
947.4727	947.5545	0.0818	86	314	320	DEVCLRLR			Carbamidomethyl (C)[4]		Mascot
1145.6022	1145.5791	-0.0231	-20	125	136	ASSARASPVGSR					Mascot
1520.7737	1520.8969	0.1232	81	325	339	KNGIVMGSEVTANGK			Oxidation (M)[6]		Mascot
1629.8442	1629.7854	-0.0588	-36	411	424	SEQEVTALQNIIR					Mascot
1629.8442	1629.7854	-0.0588	-36	411	424	SEQEVTALQNIIR					Mascot
1645.869	1645.7821	-0.0869	-53	326	341	NGIVMGSEVTANGKIR					Mascot
1718.7228	1718.8932	0.1704	99	68	80	WGHIQWMEDSER			Oxidation (M)[8]		Mascot
1799.8671	1799.783	-0.0841	-47	104	120	GSLRPSDYNGFLGSSSR					Mascot
2000.8899	2001.062	0.1721	86	157	175	GSCDTSISADTEASIREM K					Mascot
2124.9192	2124.8955	-0.0237	-11	68	83	WGHIQWMEDSERYSR			Oxidation (M)[8]		Mascot

	2124.9192	2124.8955	-0.0237	-11	68	83	WGHIQWMEDSERYSR				Oxidation (M)[8]	Mascot
40	Zgc:158627 [Danio rerio]						gi 120537829	45729.4	9.41	8	32	0
	Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
	947.454	947.5545	0.1005	106	362	371	AAAGESQTGR					Mascot
	1473.7292	1473.7635	0.0343	23	375	388	SKPDANISSQQNGK					Mascot
	1556.7373	1556.8376	0.1003	64	346	361	SGAETASGMAAFSLTR					Mascot
	1578.7832	1578.7739	-0.0093	-6	288	301	EVSPCYKSSPPLSK				Carbamidomethyl (C)[5]	Mascot
	1578.7832	1578.7739	-0.0093	-6	288	301	EVSPCYKSSPPLSK				Carbamidomethyl (C)[5]	Mascot
	1629.8303	1629.7854	-0.0449	-28	374	388	RSKPDANISSQQNGK					Mascot
	1629.8303	1629.7854	-0.0449	-28	374	388	RSKPDANISSQQNGK					Mascot
	1816.9122	1816.7664	-0.1458	-80	179	194	IPEFIRSGHSGTLCR				Carbamidomethyl (C)[15]	Mascot
	2001.0247	2001.062	0.0373	19	42	62	EEDRLALAGTAGLAGDA AATK					Mascot
	2146.1138	2146.1343	0.0205	10	389	408	LRQYSESPGETGGIVSQ KPL					Mascot
41	beta-sarcoglycan [Danio rerio]						gi 77993312	34432.7	8.71	8	32	0
	Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
	819.4094	819.4641	0.0547	67	147	153	LSVEEDK					Mascot
	1067.519	1067.5068	-0.0122	-11	222	231	GNEGVYIMGK					Mascot
	1162.5739	1162.5184	-0.0555	-48	36	45	AGYVPIEEER					Mascot
	1473.7994	1473.7635	-0.0359	-24	106	118	QKADMGIVHPLHK					Mascot
	1520.8253	1520.8969	0.0716	47	218	231	AIIRGNEGVYIMGK					Mascot
	1540.8118	1540.7844	-0.0274	-18	36	48	AGYVPIEEERLHK					Mascot
	1800.9238	1800.7736	-0.1502	-83	126	141	DQDLVITGNPNPVVFR					Mascot
	2282.9587	2283.1531	0.1944	85	293	313	VQVKYSNMGCGTSDNP CGAAH				Carbamidomethyl (C)[10], Oxidation (M)[8]	Mascot
42	rho-kinase 2 [Danio rerio]						gi 291163435	162039.2	5.75	17	31	0
	Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
	819.4207	819.4641	0.0434	53	810	816	SSEQQLK					Mascot
	989.5699	989.4801	-0.0898	-91	932	939	VMKELEIK					Mascot
	996.522	996.5847	0.0627	63	945	952	HRQDLAEK					Mascot

	1051.5782	1051.5104	-0.0678	-64	61	69	YEKAVSNLK										Mascot
	1051.5782	1051.7001	0.1219	116	61	69	YEKAVSNLK										Mascot
	1126.5851	1126.5721	-0.013	-12	536	545	NQISHLSAEK										Mascot
	1242.5306	1242.6195	0.0889	72	748	757	ENSVLDCDYK						Carbamidomethyl (C)[7]				Mascot
	1251.6804	1251.6042	-0.0762	-61	758	767	QAKHELQELR										Mascot
	1282.7378	1282.6714	-0.0664	-52	87	98	GAFGAVQLVRHK										Mascot
	1329.6719	1329.6761	0.0042	3	1000	1010	QMKSLTVSYEK						Oxidation (M)[2]				Mascot
	1329.6831	1329.6761	-0.007	-5	200	210	DIKPDNMLLDR										Mascot
	1438.7358	1438.7064	-0.0294	-20	310	322	DAKDLICAFSSR										Mascot
	1473.7908	1473.7635	-0.0273	-19	659	670	RQLQEDLTLEK										Mascot
	1520.7566	1520.8969	0.1403	92	329	341	TGVDEIKCHPFFK										Mascot
	1629.7827	1629.7854	0.0027	2	884	896	DAQQRIEDLQEER										Mascot
	1629.7827	1629.7854	0.0027	2	884	896	DAQQRIEDLQEER										Mascot
	1810.8528	1810.9752	0.1224	68	297	312	NSLTFPDDIEMSKDAK										Mascot
	1951.838	1951.9008	0.0628	32	216	232	LADFGTCMKMDSTGMVR		2		0	Carbamidomethyl (C)[7], Oxidation (M)[10,15]					Mascot
	1951.838	1951.9008	0.0628	32	216	232	LADFGTCMKMDSTGMVR					Carbamidomethyl (C)[7], Oxidation (M)[8,10]					Mascot
	1967.833	1967.8976	0.0646	33	216	232	LADFGTCMKMDSTGMVR					Carbamidomethyl (C)[7], Oxidation (M)[8,10,15]					Mascot
	1967.833	1967.8976	0.0646	33	216	232	LADFGTCMKMDSTGMVR					Carbamidomethyl (C)[7], Oxidation (M)[8,10,15]					Mascot
	2000.9303	2001.062	0.1317	66	742	757	LMQLEKENSVLDCDYK					Carbamidomethyl (C)[13], Oxidation (M)[2]					Mascot
43	Transferrin receptor 1a [Danio rerio]				gi 190337022		84943	6.38	11	31	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
837.4386	837.522	0.0834	100	431	437	TITDMIK			Oxidation (M)[5]		Mascot	
842.4842	842.5001	0.0159	19	66	72	LNQRSPK					Mascot	
947.5672	947.5545	-0.0127	-13	401	408	YLVIGVQR					Mascot	
1045.5935	1045.55	-0.0435	-42	683	690	IINNRMIR			Oxidation (M)[7]		Mascot	
1067.5844	1067.5068	-0.0776	-73	625	633	SYVSQIRSK					Mascot	
1799.9174	1799.783	-0.1344	-75	203	219	NNVVGTTTEGYLAYSIAIK					Mascot	
1816.9705	1816.7664	-0.2041	-112	385	400	IHNVFGVIKGYLDADR					Mascot	
1951.8596	1951.9008	0.0412	21	672	687	NSDLDDMEQCRIINNR			Oxidation (M)[7]		Mascot	
1951.8596	1951.9008	0.0412	21	672	687	NSDLDDMEQCRIINNR			Oxidation (M)[7]		Mascot	
2040.947	2041.073	0.126	62	477	494	MFSYISLDDLISGSDSFK			Oxidation (M)[1]		Mascot	
2049.1128	2049.0649	-0.0479	-23	691	708	VEGSLSPYVSPRQTLFR					Mascot	
2283.0339	2283.1531	0.1192	52	662	682	AASALTSAIRNSDLDDMEQCR			Oxidation (M)[17]		Mascot	

44 finTRIM family protein [Danio rerio] gi|208019415 24902.8 9.08 8 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.522	996.5847	0.0627	63	72	80	HNLIDATGR					Mascot
1045.5636	1045.55	-0.0136	-13	195	203	DQEKITVGR					Mascot
1075.6007	1075.5247	-0.076	-71	139	146	FQQQIQKR					Mascot
1251.6328	1251.6042	-0.0286	-23	163	173	FAQTAVKDSER					Mascot
1578.8597	1578.7739	-0.0858	-54	150	162	LQELNEAVKIHGR					Mascot
1578.8597	1578.7739	-0.0858	-54	150	162	LQELNEAVKIHGR					Mascot
1800.9888	1800.7736	-0.2152	-119	1	16	ALNKNTMLAEVVEQLK					Mascot
1816.9836	1816.7664	-0.2172	-120	1	16	ALNKNTMLAEVVEQLK			Oxidation (M)[7]		Mascot
2154.8928	2154.936	0.0432	20	20	40	HHTAAVPAGDGDVECDSC TGR			Carbamidomethyl (C)[15]		Mascot
2282.9878	2283.1531	0.1653	72	20	41	HHTAAVPAGDGDVECDSC TGRK			Carbamidomethyl (C)[15]		Mascot

45 novel protein [Danio rerio] gi|126632583 6089.9 8.37 5 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1165.5895	1165.7307	0.1412	121	10	18	CLRVNYGQR			Carbamidomethyl (C)[1]		Mascot
1578.7035	1578.7739	0.0704	45	38	51	VSSCMYLPTCAIMK			Oxidation (M)[5,13]		Mascot
1578.7035	1578.7739	0.0704	45	38	51	VSSCMYLPTCAIMK			Oxidation (M)[5,13]		Mascot
1660.7566	1660.7837	0.0271	16	38	51	VSSCMYLPTCAIMK			Carbamidomethyl (C)[4,10]		Mascot
1718.8097	1718.8932	0.0835	49	37	51	RVSSCMYLPTCAIMK			Oxidation (M)[6]		Mascot
1816.8577	1816.7664	-0.0913	-50	37	51	RVSSCMYLPTCAIMK			Carbamidomethyl (C)[5,11]		Mascot
1973.9567	1973.9464	-0.0103	-5	38	54	VSSCMYLPTCAIMKVTLL			Carbamidomethyl (C)[4,10]		Mascot
2225.0073	2225.0969	0.0896	40	19	37	CANDCPDVLNTAEQSL RR			Carbamidomethyl (C)[1]		Mascot

46 tetratricopeptide repeat protein 38 [Danio rerio] gi|170763463 52758.4 5.84 7 31 0 12 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.5038	996.5847	0.0809	81	1	8	MICVVIMR			Oxidation (M)[1,7]		Mascot
1145.6538	1145.5791	-0.0747	-65	457	466	LIQRAHSLHA					Mascot
1660.7716	1660.7837	0.0121	7	432	444	EHQQLARCMLMER			Oxidation (M)[9]		Mascot
1718.892	1718.8932	0.0012	1	95	109	TVELADTQQLTSREK					Mascot

	1799.8666	1799.783	-0.0836	-46	285	300	SGAMLDIVDSCSLLYR						Carbamidomethyl (C)[11]	Mascot
	1815.8616	1815.782	-0.0796	-44	285	300	SGAMLDIVDSCSLLYR						Carbamidomethyl (C)[11], Oxidation (M)[4]	Mascot
	1967.9821	1967.8976	-0.0845	-43	265	281	GNYEAAALKIFDEQVSQR							Mascot
	1967.9821	1967.8976	-0.0845	-43	265	281	GNYEAAALKIFDEQVSQR	12	0					Mascot
	2146.0342	2146.1343	0.1001	47	282	300	CVKSGAMLDIVDSCSLLYR						Carbamidomethyl (C)[1], Oxidation (M)[7]	Mascot
47	hypothetical protein LOC796228 [Danio rerio]				gi 160333607		34755.4	7.57	6	31	0	7	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
819.428	819.4641	0.0361	44	165	171	VAMEEIK						Mascot
1145.6525	1145.5791	-0.0734	-64	144	154	AVQSSVLTNVK						Mascot
1660.7773	1660.7837	0.0064	4	177	191	NETSATQHQTIESSK						Mascot
1800.92	1800.7736	-0.1464	-81	270	285	ASFDLPYTGTVKITCK				Carbamidomethyl (C)[15]		Mascot
1967.9684	1967.8976	-0.0708	-36	95	111	TTKGVEFFAHMTDWGLK						Mascot
1967.9684	1967.8976	-0.0708	-36	95	111	TTKGVEFFAHMTDWGLK	7	0				Mascot
2284.0854	2284.1499	0.0645	28	98	116	GVEFFAHMTDWGLKTEYPR						Mascot

48	signaling molecule lefty1 [Danio rerio]				gi 4959540		40991.5	8.65	9	31	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
986.4689	986.519	0.0501	51	305	312	NYGYGERK						Mascot
996.5546	996.5847	0.0301	30	58	65	NKYISMLK						Mascot
1520.7413	1520.8969	0.1556	102	20	32	GFTHEDMKDALLK				Oxidation (M)[7]		Mascot
1823.9104	1823.894	-0.0164	-9	313	328	CAVVESAPLPMMYLVK				Carbamidomethyl (C)[1], Oxidation (M)[11]		Mascot
1823.9104	1823.894	-0.0164	-9	313	328	CAVVESAPLPMMYLVK				Carbamidomethyl (C)[1], Oxidation (M)[11]		Mascot
1952.0054	1951.9008	-0.1046	-54	313	329	CAVVESAPLPMMYLVKK				Carbamidomethyl (C)[1], Oxidation (M)[11]		Mascot
1952.0599	1951.9008	-0.1591	-82	165	181	TSLVDSRLPIHETGWK						Mascot
1968.0002	1967.8976	-0.1026	-52	313	329	CAVVESAPLPMMYLVKK				Carbamidomethyl (C)[1], Oxidation (M)[11,12]		Mascot
1968.0002	1967.8976	-0.1026	-52	312	328	KCAVVESAPLPMMYLVK				Carbamidomethyl (C)[2], Oxidation (M)[12,13]		Mascot
2283.0999	2283.1531	0.0532	23	84	104	GIPGNADISGEFVYSDTT RQR						Mascot
2484.1655	2484.2402	0.0747	30	6	27	AACLLCAALFAMARGFTH EDMK				Carbamidomethyl (C)[3,6]		Mascot
2484.1655	2484.2402	0.0747	30	6	27	AACLLCAALFAMARGFTH EDMK				Carbamidomethyl (C)[3,6]		Mascot

49	bone morphogenetic protein 3 [Danio rerio]				gi 118150546		51942.4	9.4	1		23	0		
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Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type	
1629.882	1629.7854	-0.0966	-59	195	208	HHDQLLIGININSR	23	0		2 Mascot	
50	Ccdc80 protein [Danio rerio]				gi 59862002	24401.9	5.97	1	21	0	
Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type	
1329.7485	1329.6761	-0.0724	-54	113	124	EGISATLVLRDIR	21	0		2 Mascot	
Gel Idx/Pos		179/H6				Instr./Gel Origin		BA2060/110707A		Process Status	Analysis Succeeded
Plate [#] Name		[1] 31496				Instrument Sample Name				Spectra	11
Rank	Protein Name	Accession No.			Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	gelsolin b [Danio rerio]	gi 148230943			80133.8	5.62	12	257	100	217	100
Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type	
853.3621	853.3546	-0.0075	-9	179	184	CNQFER			Carbamidomethyl (C)[1]	Mascot	
875.4661	875.4556	-0.0105	-12	104	110	TFLGYFK				Mascot	
987.537	987.524	-0.013	-13	13	20	QTGLQVWR	51	99.81		Mascot	
987.537	987.524	-0.013	-13	13	20	QTGLQVWR				Mascot	
1007.4792	1007.4681	-0.0111	-11	676	684	YIESDPAGR				Mascot	
1022.5053	1022.495	-0.0103	-10	2	9	VHHPEFEK				Mascot	
1100.5735	1100.5676	-0.0059	-5	367	376	VFPDASSLHK				Mascot	
1294.5262	1294.5137	-0.0125	-10	193	202	DIRDNECCGR			Carbamidomethyl (C)[7,8]	Mascot	
1456.6777	1456.6569	-0.0208	-14	308	320	AAEDFISQMGYPK				Mascot	
1472.6726	1472.6549	-0.0177	-12	308	320	AAEDFISQMGYPK			Oxidation (M)[9]	Mascot	
1625.7476	1625.7463	-0.0013	-1	203	216	AKLFCVEEGSENDK			Carbamidomethyl (C)[6]	Mascot	
1952.0123	1951.9854	-0.0269	-14	321	337	HTEVQIIPENGETPLFK				Mascot	
2097.1299	2097.1064	-0.0235	-11	451	472	GASAILAAQLDAELGGSA VQVR				Mascot	
2097.1299	2097.1064	-0.0235	-11	451	472	GASAILAAQLDAELGGSA VQVR	165	100		Mascot	
2152.0959	2152.0684	-0.0275	-13	32	50	NLYGGFYTGDTYLVLNTI K				Mascot	
2	acylamino-acid-releasing enzyme [Danio rerio]	gi 38564417			81411.5	5.72	9	125	100	105	100

Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1100.5887	1100.5676	-0.0211	-19	116	123	QFLEIWHK						Mascot
	1205.6525	1205.6239	-0.0286	-24	433	444	VGFLPGKGSESK						Mascot
	1272.6868	1272.7003	0.0135	11	663	674	TPVLLMLGEGDK						Mascot
	1587.8853	1587.8649	-0.0204	-13	5	17	VLRDPVEISQLYR						Mascot
	1587.8853	1587.8649	-0.0204	-13	5	17	VLRDPVEISQLYR	43	98.845				Mascot
	1625.7588	1625.7463	-0.0125	-8	74	88	SVVYSGPSGNCTEIR				Carbamidomethyl (C)[11]		Mascot
	1815.8911	1815.87	-0.0211	-12	349	365	AGDDGFTGIYSFLLSPR						Mascot
	1865.8453	1865.8218	-0.0235	-13	38	52	YGGQYSNIYTEWTQR	61	99.981				Mascot
	1865.8453	1865.8218	-0.0235	-13	38	52	YGGQYSNIYTEWTQR						Mascot
	1961.9901	1961.97	-0.0201	-10	312	328	IVYLESGVFGPHLQCSR				Carbamidomethyl (C)[15]		Mascot
	2472.1936	2472.1626	-0.031	-13	395	415	EVTCLTSQSQEGSWNLLNIHR				Carbamidomethyl (C)[4]		Mascot
3	Acylpeptide hydrolase [Danio rerio]				gj 55777111		81351.5	5.66	8	121	100	105	100
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1100.5887	1100.5676	-0.0211	-19	116	123	QFLEIWHK						Mascot
	1205.6525	1205.6239	-0.0286	-24	433	444	VGFLPGKGSESK						Mascot
	1272.6868	1272.7003	0.0135	11	663	674	TPVLLMLGEGDK						Mascot
	1587.8853	1587.8649	-0.0204	-13	5	17	VLRDPVEISQLYR						Mascot
	1587.8853	1587.8649	-0.0204	-13	5	17	VLRDPVEISQLYR	43	98.845				Mascot
	1625.7588	1625.7463	-0.0125	-8	74	88	SVVYSGPSGNCTEIR				Carbamidomethyl (C)[11]		Mascot
	1865.8453	1865.8218	-0.0235	-13	38	52	YGGQYSNIYTEWTQR	61	99.981				Mascot
	1865.8453	1865.8218	-0.0235	-13	38	52	YGGQYSNIYTEWTQR						Mascot
	1961.9901	1961.97	-0.0201	-10	312	328	IVYLESGVFGPHLQCSR				Carbamidomethyl (C)[15]		Mascot
	2472.1936	2472.1626	-0.031	-13	395	415	EVTCLTSQSQEGSWNLLNIHR				Carbamidomethyl (C)[4]		Mascot
4	coiled-coil-helix-coiled-coil-helix domain-containing protein 6 [Danio rerio]				gj 53933232		27523	9.24	10	54	83.843		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	850.4165	850.5328	0.1163	137	164	169	NEERFR						Mascot
	850.4165	850.5328	0.1163	137	164	169	NEERFR						Mascot

	1045.5385	1045.5532	0.0147	14	108	116	EAARQDISR		Mascot	
	1235.5936	1235.6188	0.0252	20	211	221	EQTLQCSDLAK		Mascot	
	1294.6526	1294.5137	-0.1389	-107	75	85	TTFPDSKEELK		Mascot	
	1371.6395	1371.6206	-0.0189	-14	222	232	EYMQCINAACK	Carbamidomethyl (C)[5], Oxidation (M)[3]	Mascot	
	1638.7805	1638.8395	0.059	36	168	181	FRMSAEQFHAAATR	Oxidation (M)[3]	Mascot	
	1874.9719	1874.9208	-0.0511	-27	87	101	RYEQQQAIQEELAR		Mascot	
	1961.9498	1961.97	0.0202	10	170	187	MSAEQFHAAATRSEANIK		Mascot	
	2317.1904	2317.1436	-0.0468	-20	188	207	ARNVEPVCLNLQAQILNC YR		Mascot	
	2501.147	2501.2251	0.0781	31	211	231	EQTLQCSDLAKEYMQCI NAAK	Carbamidomethyl (C)[6,16]	Mascot	
5	hypothetical protein LOC553448 [Danio rerio]				g 224496090	145429.2	8.16	17	47	7.024

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4781	850.5328	0.0547	64	161	169	AAPPAPAQK					Mascot
850.4781	850.5328	0.0547	64	369	377	AAPPAPAQK					Mascot
856.4523	856.5167	0.0644	75	170	178	SAPPASAQK					Mascot
1007.5077	1007.4681	-0.0396	-39	781	789	VASVEVEMK			Oxidation (M)[8]		Mascot
1100.6058	1100.5676	-0.0382	-35	657	665	LQQENSILR					Mascot
1156.6321	1156.597	-0.0351	-30	611	620	EQDIILQAR					Mascot
1163.6089	1163.6011	-0.0078	-7	1285	1295	MTKDLGQAATK					Mascot
1179.6038	1179.5908	-0.013	-11	1285	1295	MTKDLGQAATK			Oxidation (M)[1]		Mascot
1199.5902	1199.5568	-0.0334	-28	473	483	AEESKQDAPPK					Mascot
1235.6782	1235.6188	-0.0594	-48	1014	1023	TKWLQDFAVK					Mascot
1272.6179	1272.7003	0.0824	65	701	711	NDALQADEQLR					Mascot
1312.7332	1312.6016	-0.1316	-100	610	620	REQDIILQAR					Mascot
1472.7703	1472.6549	-0.1154	-78	1110	1121	VQELEETAERLR					Mascot
1587.849	1587.8649	0.0159	10	537	550	AGIIQDTWQKATQK					Mascot
1587.849	1587.8649	0.0159	10	537	550	AGIIQDTWQKATQK					Mascot
1625.8606	1625.7463	-0.1143	-70	790	803	ERTGHLESLSQSLK					Mascot
2194.0366	2194.0774	0.0408	19	1262	1281	SAEDTAAMGDVVQLKEC LEK			Carbamidomethyl (C)[17]		Mascot
2225.1521	2225.0945	-0.0576	-26	758	778	NNLQAQLEQAQKDAAAL AEAK					Mascot
2225.1521	2225.0945	-0.0576	-26	758	778	NNLQAQLEQAQKDAAAL AEAK					Mascot
2233.1743	2233.063	-0.1113	-50	954	972	ISEKESLMTTLQQEVQQL K					Mascot
2317.1379	2317.1436	0.0057	2	1164	1184	QALADTESQLNSAQKEA QTOR					Mascot

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
836.3818	836.3273	-0.0545	-65	3557	3563	CSLEAEK			Carbamidomethyl (C)[1]		Mascot
842.4995	842.5021	0.0026	3	15	21	AKLAHFR					Mascot
850.4087	850.5328	0.1241	146	2129	2136	TPSSMTAR					Mascot
850.4087	850.5328	0.1241	146	2129	2136	TPSSMTAR					Mascot
853.3897	853.3546	-0.0351	-41	27	34	SESSSTQK					Mascot
864.3581	864.4857	0.1276	148	1982	1988	EESDQEK					Mascot
875.458	875.4556	-0.0024	-3	2850	2857	SLGEERGK					Mascot
882.5155	882.5558	0.0403	46	3606	3612	SEIHKLR					Mascot
962.4424	962.5256	0.0832	86	1946	1953	ELEEEASR					Mascot
987.5105	987.524	0.0135	14	2715	2722	QAEIEELR	7	0			Mascot
987.5105	987.524	0.0135	14	2715	2722	QAEIEELR					Mascot
1007.4904	1007.4681	-0.0223	-22	427	434	HLQEEHSK					Mascot
1022.4935	1022.495	0.0015	1	3557	3565	CSLEAEKSR					Mascot
1045.4908	1045.5532	0.0624	60	1472	1480	QAEAEVNER					Mascot
1100.5695	1100.5676	-0.0019	-2	1216	1224	VALQEQQER					Mascot
1156.5454	1156.597	0.0516	45	3752	3761	RQESASAHDR					Mascot
1163.566	1163.6011	0.0351	30	3404	3412	ELLCRMADR			Carbamidomethyl (C)[4]		Mascot
1179.5674	1179.5908	0.0234	20	1115	1124	TSVEQLQSK			Carbamidomethyl (C)[9]		Mascot
1199.6993	1199.5568	-0.1425	-119	2856	2866	GKVAVLEQEVK					Mascot
1235.7358	1235.6188	-0.117	-95	3888	3897	LLELELLHQK					Mascot
1272.7046	1272.7003	-0.0043	-3	1342	1353	LVEGALEDVSK					Mascot
1294.646	1294.5137	-0.1323	-102	4205	4216	MYTSPVLGAAER					Mascot
1371.7842	1371.6206	-0.1636	-119	1989	2000	AVALEELEKTLR					Mascot
1456.6294	1456.6569	0.0275	19	3995	4007	SSAVTEECMVSEK			Carbamidomethyl (C)[8]		Mascot
1472.6243	1472.6549	0.0306	21	3995	4007	SSAVTEECMVSEK			Carbamidomethyl (C)[8], Oxidation (M)[9]		Mascot
1475.7271	1475.7354	0.0083	6	2723	2734	SLVERLQCDQER					Mascot
1587.7649	1587.8649	0.1	63	390	402	TKYEADISNYDLR					Mascot
1587.8047	1587.8649	0.0602	38	1603	1616	SLEQCESPQVVALK			Carbamidomethyl (C)[4]		Mascot
1625.901	1625.7463	-0.1547	-95	1954	1966	QRLHFLEEAELLK					Mascot
1638.881	1638.8395	-0.0415	-25	2528	2541	TVTQLEQELQKGHK					Mascot
1815.9633	1815.87	-0.0933	-51	358	372	VELNQEMVRLDNLVK			Oxidation (M)[7]		Mascot
1993.9937	1993.9501	-0.0436	-22	3014	3031	ELHEQQEAAVAKQGEAQ					Mascot

	2082.9834	2082.9888	0.0054	3	3995	4012	K SSAVTEECMVSEKLAWQ		Carbamidomethyl (C)[8]	Mascot	
	2247.1404	2247.0789	-0.0615	-27	3304	3321	K LELEENTERLDAHFVEYLR			Mascot	
	2284.1013	2284.1504	0.0491	21	3955	3974	K ENSEFSECLAALSEEKISL		Carbamidomethyl (C)[8]	Mascot	
	2300.0935	2300.1565	0.063	27	3545	3563	EK LQQEQTQSHDLRCSLEA		Carbamidomethyl (C)[13]	Mascot	
	2317.1956	2317.1436	-0.052	-22	849	868	ELK LQALEQVKSMENVLET			Mascot	
	2501.2075	2501.2251	0.0176	7	2956	2977	ETSK LEELEEHVQADMVNLSAL		Oxidation (M)[12]	Mascot	
7	transmembrane protein 200A [Danio rerio]				gi 113679869		54934.7	9.28	11	46	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
970.5316	970.4955	-0.0361	-37	413	420	LTVQPEQR					Mascot
1163.6068	1163.6011	-0.0057	-5	422	430	HPSWPRLDR					Mascot
1371.5983	1371.6206	0.0223	16	353	366	SNSATESASSTSSR					Mascot
1456.7253	1456.6569	-0.0684	-47	245	257	GGFCLLSPTYKDR					Mascot
1587.925	1587.8649	-0.0601	-38	1	16	MIATGGVITGLAALKR			Oxidation (M)[1]		Mascot
1587.925	1587.8649	-0.0601	-38	1	16	MIATGGVITGLAALKR			Oxidation (M)[1]		Mascot
1874.7466	1874.9208	0.1742	93	181	197	CTNGACMGYPYGGDTEIR			Carbamidomethyl (C)[1,6], Oxidation (M)[7]		Mascot
2096.8938	2097.1064	0.2126	101	226	244	FSHRTSSADDDGLMSE AR					Mascot
2096.8938	2097.1064	0.2126	101	226	244	FSHRTSSADDDGLMSE AR					Mascot
2194.1899	2194.0774	-0.1125	-51	280	299	CQTRSIVSSSISAFPLVI K			Carbamidomethyl (C)[1]		Mascot
2259.9426	2260.127	0.1844	82	178	197	EQKCTNGACMGYPYGGD TEIR			Carbamidomethyl (C)[4,9], Oxidation (M)[10]		Mascot
2284.0952	2284.1504	0.0552	24	17	37	QDSTRSQYHLSAQSPGP APEK					Mascot
3337.8242	3337.7273	-0.0969	-29	57	87	LYSASGFFLVLGVLILMA GIAMAVLGYPWPHK					Mascot

8	PREDICTED: hypothetical protein LOC100537182 [Danio rerio]					gi 326677217	4808.4	4.86	5	44	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
853.3906	853.3546	-0.036	-42	11	17	VCKNMDK			Oxidation (M)[5]		Mascot
856.5614	856.5167	-0.0447	-52	2	9	AAVLITLR					Mascot
987.6019	987.524	-0.0779	-79	1	9	MAAVLITLR					Mascot
987.6019	987.524	-0.0779	-79	1	9	MAAVLITLR					Mascot
1100.4677	1100.5676	0.0999	91	14	21	NMDKYEER			Oxidation (M)[2]		Mascot

	2317.0942	2317.1436	0.0494	21	22	43	IWEELTGQAGDNELEGK VQGSG						Mascot
9	novel protein similar to H.sapiens TTN, titin (TTN) [Danio rerio]				gi 169154823	842970	5.81	44	42	0			

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
842.444	842.5021	0.0581	69	3102	3108	SYKVSMK						Mascot
850.4814	850.5328	0.0514	60	1088	1094	LTSVRMK				Oxidation (M)[6]		Mascot
850.4814	850.5328	0.0514	60	1088	1094	LTSVRMK				Oxidation (M)[6]		Mascot
853.3839	853.3546	-0.0293	-34	1858	1863	WYQNDK						Mascot
856.4886	856.5167	0.0281	33	6818	6824	LTLQEPR						Mascot
870.4203	870.532	0.1117	128	6420	6427	LSDSGTYK						Mascot
882.4679	882.5558	0.0879	100	2483	2489	YKVSTER						Mascot
970.5792	970.4955	-0.0837	-86	3602	3609	QQRALVQK						Mascot
987.5581	987.524	-0.0341	-35	4726	4734	VEVSNRVGK						Mascot
987.5581	987.524	-0.0341	-35	4726	4734	VEVSNRVGK						Mascot
996.536	996.584	0.048	48	2586	2593	LTITETYR						Mascot
996.536	996.584	0.048	48	2586	2593	LTITETYR						Mascot
1007.5043	1007.4681	-0.0362	-36	3593	3601	ESPFVSDVK						Mascot
1045.5347	1045.5532	0.0185	18	6656	6665	CQIGGTPEIK						Mascot
1051.5571	1051.7001	0.143	136	6666	6674	ISWFKADGK						Mascot
1051.5571	1051.7001	0.143	136	6666	6674	ISWFKADGK						Mascot
1100.5582	1100.5676	0.0094	9	5147	5156	EPANITEQAK						Mascot
1156.4939	1156.597	0.1031	89	7094	7104	ATNEAGSEFCK						Mascot
1163.5435	1163.6011	0.0576	50	5993	6002	MGEPLQLECK				Oxidation (M)[1]		Mascot
1199.5613	1199.5568	-0.0045	-4	1404	1413	DESYEGMLKK						Mascot
1205.646	1205.6239	-0.0221	-18	4383	4392	ILWKQGMSSR						Mascot
1235.6161	1235.6188	0.0027	2	790	800	RVQSTSPMSAR				Oxidation (M)[8]		Mascot
1272.5962	1272.7003	0.1041	82	4882	4892	EMLTGGTCFIK				Carbamidomethyl (C)[8], Oxidation (M)[2]		Mascot
1279.6376	1279.7589	0.1213	95	3711	3722	SETTTAVVSEQK						Mascot
1312.6348	1312.6016	-0.0332	-25	4387	4398	QGMSSRLSCTVK				Oxidation (M)[3]		Mascot
1371.6208	1371.6206	-0.0002	0	7094	7106	ATNEAGSEFCKSK						Mascot
1412.7605	1412.6305	-0.13	-92	273	285	VSTARQQSPSPVR						Mascot
1456.7617	1456.6569	-0.1048	-72	7158	7170	VGGDPIPNVKWMK				Oxidation (M)[12]		Mascot
1472.6145	1472.6549	0.0404	27	5689	5701	YTCQAMNEAGQEK						Mascot
1475.804	1475.7354	-0.0686	-46	1964	1976	GKHYSLTIINAMK						Mascot

1587.7393	1587.8649	0.1256	79	4879	4892	EDKEMLTGGTCFIK	Oxidation (M)[5]	Mascot
1587.7649	1587.8649	0.1	63	5655	5667	DESWILEDPSIQR		Mascot
1625.7258	1625.7463	0.0205	13	5508	5522	NEAGSESCSMDLRVK		Mascot
1638.9061	1638.8395	-0.0666	-41	7253	7266	DIDIVELLRNVDPK		Mascot
1815.8191	1815.87	0.0509	28	5122	5138	HGGKYTCHAQNEAGSQ K		Mascot
1993.9358	1993.9501	0.0143	7	4299	4315	LECQVDEDTGVSIIWMR		Mascot
2097.0547	2097.1064	0.0517	25	6191	6208	GSQPMTVSWVQDKDHIL R		Mascot
2097.0547	2097.1064	0.0517	25	6191	6208	GSQPMTVSWVQDKDHIL R		Mascot
2194.1101	2194.0774	-0.0327	-15	742	761	LPVVLPEDEGIYAFASN MK		Mascot
2211.1438	2211.0801	-0.0637	-29	6494	6513	SCEIALRGDTAILELHNID K		Mascot
2232.9575	2233.063	0.1055	47	1132	1149	MINEFGYCSLDYEVAYS	Carbamidomethyl (C)[8], Oxidation (M)[1]	Mascot
2260.1277	2260.127	-0.0007	0	5668	5688	TFENNVATLTIPVCESIHS GK		Mascot
2283.104	2283.1536	0.0496	22	2409	2430	NVHFGDVGDYKFVAGSA ETAAK		Mascot
2283.1899	2283.1536	-0.0363	-16	3240	3260	EHPSQVMSALTESVTPLT IVK	Oxidation (M)[7]	Mascot
2297.1516	2297.1614	0.0098	4	6550	6570	NLSVEMGKSLILECTYAG SPK	Carbamidomethyl (C)[14]	Mascot
2317.1492	2317.1436	-0.0056	-2	5668	5688	TFENNVATLTIPVCESIHS GK	Carbamidomethyl (C)[14]	Mascot
2472.1033	2472.1626	0.0593	24	4481	4502	GCTAHLECEMTGTAPFEI TWFK		Mascot
2486.2078	2486.1956	-0.0122	-5	2501	2525	MSDAGEYSVVAGSSVSK ANLTVEGK		Mascot
2501.1753	2501.2251	0.0498	20	463	486	DETMSEISSVSVDTGAPA APFFVK	Oxidation (M)[4]	Mascot
3337.4834	3337.7273	0.2439	73	4346	4377	DTGTYTCTAANEAGSSS CSSSVTVQEPVFFVK	Carbamidomethyl (C)[7,18]	Mascot

10 PREDICTED: transposon TX1 uncharacterized 149 kDa gi|326678664 127486.3 9.2 18 41 0
protein-like [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
850.5145	850.5328	0.0183	22	117	123	GRILYTK				Mascot
850.5145	850.5328	0.0183	22	117	123	GRILYTK				Mascot
853.46	853.3546	-0.1054	-123	388	394	AKFCSIK		Carbamidomethyl (C)[4]		Mascot
875.4668	875.4556	-0.0112	-13	1	6	MYRLHR				Mascot
996.6564	996.584	-0.0724	-73	535	543	RAVLSLLPK				Mascot
996.6564	996.584	-0.0724	-73	535	543	RAVLSLLPK				Mascot
1022.5629	1022.495	-0.0679	-66	1050	1058	KANIFQSSK				Mascot
1045.5538	1045.5532	-0.0006	-1	940	947	RTADLQWR				Mascot

1100.6211	1100.5676	-0.0535	-49	200	208	KNGLVDIWR							Mascot
1235.6453	1235.6188	-0.0265	-21	283	292	LLQDVLFCER							Mascot
1312.6896	1312.6016	-0.088	-67	370	380	KAELGSFLYER							Mascot
1638.889	1638.8395	-0.0495	-30	914	926	ELLWTPTTYFLVR							Mascot
1815.6643	1815.87	0.2057	113	1062	1078	TEVDDGCSDDGMESGN K	Carbamidomethyl (C)[7]						Mascot
1912.9507	1912.9598	0.0091	5	847	862	CIVLDPPEDIICEIQR	Carbamidomethyl (C)[1]						Mascot
2097.0281	2097.1064	0.0783	37	476	493	DITFKELTEAMQQLSNGR	Oxidation (M)[11]						Mascot
2097.0281	2097.1064	0.0783	37	476	493	DITFKELTEAMQQLSNGR	Oxidation (M)[11]						Mascot
2260.208	2260.127	-0.081	-36	681	700	QGCPLSGQLYSLMIEPLL LK	Carbamidomethyl (C)[3]						Mascot
2283.1914	2283.1536	-0.0378	-17	319	337	AQIRVFCQNYTLNSSLQI K	Carbamidomethyl (C)[7]						Mascot
2283.1914	2283.1536	-0.0378	-17	319	337	AQIRVFCQNYTLNSSLQI K	Carbamidomethyl (C)[7]						Mascot
2299.041	2299.1592	0.1182	51	390	408	FCSIKDMDAPSSYFFNLE K	Carbamidomethyl (C)[2]						Mascot
2472.3716	2472.1626	-0.209	-85	681	702	QGCPLSGQLYSLMIEPLL LKLR							Mascot
2486.2349	2486.1956	-0.0393	-16	124	145	IEIEGFLFGFINVYAPNNG SER							Mascot

11 homeobox protein Hox-C1a [Danio rerio] gi|18858843 34195.5 8.59 8 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4087	850.5328	0.1241	146	196	202	CSDRELK					Mascot
850.4087	850.5328	0.1241	146	196	202	CSDRELK					Mascot
1007.4727	1007.4681	-0.0046	-5	17	25	GYHATGVMR			Oxidation (M)[8]		Mascot
1100.5007	1100.5676	0.0669	61	113	122	GFSPSSDTFR					Mascot
1865.8619	1865.8218	-0.0401	-21	276	293	EGLAQGLMLISGCDEDS K					Mascot
1865.8619	1865.8218	-0.0401	-21	276	293	EGLAQGLMLISGCDEDS K					Mascot
1912.9585	1912.9598	0.0013	1	9	25	DTTSLFIKGYHATGVMR			Oxidation (M)[16]		Mascot
1993.9569	1993.9501	-0.0068	-3	276	294	EGLAQGLMLISGCDEDS KK					Mascot
2247.0459	2247.0789	0.033	15	123	142	TFSSAHCELGPNNTQT EVR			Carbamidomethyl (C)[7]		Mascot
2298.0774	2298.1658	0.0884	38	273	293	MLREGLAQGLMLISGCD EDSK			Oxidation (M)[1,11]		Mascot

12 novel protein similar to vertebrate NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly fa

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	842.5246	842.5021	-0.0225	-27	74	80	KHFGLLK										Mascot
	875.5308	875.4556	-0.0752	-86	2	9	AVSRTTLK										Mascot
	996.5512	996.584	0.0328	33	87	95	WIGPEGKPI										Mascot
	996.5512	996.584	0.0328	33	87	95	WIGPEGKPI										Mascot
	1022.5662	1022.495	-0.0712	-70	1	9	MAVSRTTLK					Oxidation (M)[1]					Mascot
	1163.6201	1163.6011	-0.019	-16	31	40	CASIQITRSK					Carbamidomethyl (C)[1]					Mascot
	1272.6405	1272.7003	0.0598	47	10	20	SLYGVCGVVYR					Carbamidomethyl (C)[6]					Mascot
13	si:ch1073-126c3.2 [Danio rerio]				gi 221307488		24754.2	6.97	7	40	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	864.4243	864.4857	0.0614	71	1	8	MESATIGR							Mascot
	1371.6572	1371.6206	-0.0366	-27	132	143	SRLFEECSTATK							Mascot
	1638.8069	1638.8395	0.0326	20	199	213	SELAKVETTESESTK							Mascot
	1951.9277	1951.9854	0.0577	30	204	221	VETTESESTKLLCGNINN							Mascot
	2211.0295	2211.0801	0.0506	23	114	131	IYCKPMCNAGYDFNFLRR							Mascot
	2284.0459	2284.1504	0.1045	46	114	131	IYCKPMCNAGYDFNFLRR				Carbamidomethyl (C)[3], Oxidation (M)[6]			Mascot
	2298.0503	2298.1658	0.1155	50	112	130	DKIYCKPMCNAGYDFNFLR							Mascot
	2472.1611	2472.1626	0.0015	1	162	184	SHIAVSGAPSAYFPQGEDCHITK				Carbamidomethyl (C)[19]			Mascot
14	ribosome production factor 2 homolog [Danio rerio]				gi 47550781		35438.5	10	9	40	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	850.5396	850.5328	-0.0068	-8	197	203	SYKVLLK							Mascot
	850.5396	850.5328	-0.0068	-8	197	203	SYKVLLK							Mascot
	856.4523	856.5167	0.0644	75	2	9	SHTDGIVK							Mascot
	987.4927	987.524	0.0313	32	1	9	MSHTDGIVK							Mascot
	987.4927	987.524	0.0313	32	1	9	MSHTDGIVK							Mascot
	1163.5327	1163.6011	0.0684	59	228	237	NHTASDDLK							Mascot
	1952.0117	1951.9854	-0.0263	-13	32	50	NSMIKGGNTSSTVSQALK				Oxidation (M)[3]			Mascot
	2247.2607	2247.0789	-0.1818	-81	172	192	VSAVRLAGLEHVLHFTAL							Mascot
	2260.0566	2260.127	0.0704	31	108	125	MFDHFVLDLDFELGIENFR							Mascot
	2283.0784	2283.1536	0.0752	33	135	154	CPEGTKPMLVFAGDLFETDR				Carbamidomethyl (C)[1]			Mascot

	2283.0784	2283.1536	0.0752	33	135	154	CPEGTKPMLVFAGDLFE TDR					Carbamidomethyl (C)[1]	Mascot
	2298.2427	2298.1658	-0.0769	-33	177	196	LAGLEHVLHFTALEGKIY MR						Mascot
	2299.0732	2299.1592	0.086	37	135	154	CPEGTKPMLVFAGDLFE TDR					Carbamidomethyl (C)[1], Oxidation (M)[8]	Mascot
15	PREDICTED: b-cell receptor CD22-like [Danio rerio]				gi 326664439	59170.3	6.94	10	40	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
836.4512	836.3273	-0.1239	-148	86	92	LQYLGDK						Mascot
875.458	875.4556	-0.0024	-3	342	350	GETLVGSGR						Mascot
882.454	882.5558	0.1018	115	283	290	ARNAHGEK						Mascot
987.5945	987.524	-0.0705	-71	262	270	SGRILNISK	2		0			Mascot
987.5945	987.524	-0.0705	-71	262	270	SGRILNISK						Mascot
1022.5265	1022.495	-0.0315	-31	115	123	FTTNVANQK						Mascot
1100.4742	1100.5676	0.0934	85	271	280	ISSDDSGEYK						Mascot
1205.5586	1205.6239	0.0653	54	106	114	KDEGQYYFR						Mascot
1412.7209	1412.6305	-0.0904	-64	161	171	LTDTPTFIWYR						Mascot
1874.9105	1874.9208	0.0103	5	157	171	SSCKLTDTPTFIWYR				Carbamidomethyl (C)[3]		Mascot
2472.2051	2472.1626	-0.0425	-17	198	219	CAVHGHTLTSPEVYLN MYPPK				Oxidation (M)[18]		Mascot

16	PREDICTED: interleukin-1 receptor-like 2-like [Danio rerio]				gi 326670867	62378.6	7.52	6	39	0	24	7.384
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4338	850.5328	0.099	116	540	547	KGTDSMVL						Mascot
850.4338	850.5328	0.099	116	540	547	KGTDSMVL						Mascot
864.4308	864.4857	0.0549	64	128	135	DELTSTAK						Mascot
987.537	987.524	-0.013	-13	507	514	TQGILNWR	24		7.384			Mascot
987.537	987.524	-0.013	-13	507	514	TQGILNWR						Mascot
1235.5508	1235.6188	0.068	55	157	167	NCQPLNMSNSK						Mascot
1412.6256	1412.6305	0.0049	3	352	364	SVCSRSVACSDGK				Carbamidomethyl (C)[3,9]		Mascot
1874.9218	1874.9208	-0.001	-1	39	54	TYTFVAGLAFNLQCNR				Carbamidomethyl (C)[14]		Mascot

17	polymerase I and transcript release factor isoform 2 [Danio rerio]				gi 167621556	51742.2	5.07	4	38	0	29	69.543
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	%	Modification	Rank	Result Type
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		Seq.		Seq.		Score					
	987.5945	987.524	-0.0705	-71	128	136	VSVNVKSVR	29	69.543		Mascot
	987.5945	987.524	-0.0705	-71	128	136	VSVNVKSVR				Mascot
	1156.5667	1156.597	0.0303	26	249	258	TVFSKGNMEK			Oxidation (M)[8]	Mascot
	1163.6782	1163.6011	-0.0771	-66	244	253	VQNIKTVFSK				Mascot
	1199.6935	1199.5568	-0.1367	-114	367	376	VPFTHVKK				Mascot
18	PREDICTED: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-4-like [Danio rerio]					gi 326675406	130576.6	6.89	16	38	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	842.4981	842.5021	0.004	5	442	448	LKPEVEK				Mascot
	853.4413	853.3546	-0.0867	-102	318	324	SSVEIYR				Mascot
	970.5931	970.4955	-0.0976	-101	442	449	LKPEVEKK				Mascot
	1022.5451	1022.495	-0.0501	-49	595	602	QMSRIYPK				Mascot
	1100.5115	1100.5676	0.0561	51	355	363	AMCTDVLFK		Carbamidomethyl (C)[3], Oxidation (M)[2]		Mascot
	1294.5701	1294.5137	-0.0564	-44	115	125	ANNVCPMTCLR		Carbamidomethyl (C)[5], Oxidation (M)[7]		Mascot
	1312.6136	1312.6016	-0.012	-9	261	271	KGLLSCDGFCR		Carbamidomethyl (C)[6,10]		Mascot
	1412.6331	1412.6305	-0.0026	-2	855	866	TNQAGMMMPQK		Oxidation (M)[6,7,8]		Mascot
	1865.8085	1865.8218	0.0133	7	2	17	DSAMDPLVFESNCFFK		Oxidation (M)[4]		Mascot
	1865.8085	1865.8218	0.0133	7	2	17	DSAMDPLVFESNCFFK		Oxidation (M)[4]		Mascot
	1912.8562	1912.9598	0.1036	54	987	1003	VKDMSAQASECSEMLR		Carbamidomethyl (C)[12]		Mascot
	1993.9316	1993.9501	0.0185	9	56	73	VLCALASGKCESNLED R		Carbamidomethyl (C)[3]		Mascot
	2096.9568	2097.1064	0.1496	71	642	658	FEYNGSCGFLLKPDFMR		Carbamidomethyl (C)[7], Oxidation (M)[16]		Mascot
	2096.9568	2097.1064	0.1496	71	642	658	FEYNGSCGFLLKPDFMR		Carbamidomethyl (C)[7], Oxidation (M)[16]		Mascot
	2151.9983	2152.0684	0.0701	33	325	342	QVLLTGRCVELDCWDG K		Carbamidomethyl (C)[7,9]		Mascot
	2247.2205	2247.0789	-0.1416	-63	780	798	NEYNKPLPLATVFCNIILK		Carbamidomethyl (C)[14]		Mascot
	2472.1169	2472.1626	0.0457	18	333	354	CVELDCWDGKGEDQEPII THGK				Mascot
	2486.1907	2486.1956	0.0049	2	371	391	ETAFILTSEYPVILSFENHC TK		Carbamidomethyl (C)[19]		Mascot

19 PREDICTED: zinc finger protein 420 isoform 2 [Danio rerio] gi|326678086 70371 9.08 13 36 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
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	842.5206	842.5021	-0.0185	-22	25	31	QRQGLLK										Mascot
	864.4798	864.4857	0.0059	7	591	597	HRSVHTK										Mascot
	987.5621	987.524	-0.0381	-39	497	505	TFITAGHLK										Mascot
	987.5621	987.524	-0.0381	-39	497	505	TFITAGHLK										Mascot
	1007.392	1007.4681	0.0761	76	36	43	MSDPEPCR					Carbamidomethyl (C)[7], Oxidation (M)[1]					Mascot
	1045.536	1045.5532	0.0172	16	134	141	FHCARNLK					Carbamidomethyl (C)[3]					Mascot
	1100.5881	1100.5676	-0.0205	-19	165	173	ATDLKMHLR					Oxidation (M)[6]					Mascot
	1156.5238	1156.597	0.0732	63	575	584	CDQCGKSFLR										Mascot
	1625.8428	1625.7463	-0.0965	-59	593	606	SVHTKEKPPSCSLR					Carbamidomethyl (C)[11]					Mascot
	1961.8956	1961.97	0.0744	38	454	469	VHTNEKPYSCPECGKR					Carbamidomethyl (C)[10,13]					Mascot
	2102.0085	2101.9805	-0.028	-13	488	505	EFVCFECEKTFITAGHLK										Mascot
	2211.0798	2211.0801	0.0003	0	450	468	IHLRVHTNEKPYSCPECG K										Mascot
	2283.0579	2283.1536	0.0957	42	227	245	HQMIHTGEKPYKCSHCD LR										Mascot
	2283.0579	2283.1536	0.0957	42	227	245	HQMIHTGEKPYKCSHCD LR										Mascot
	2298.0906	2298.1658	0.0752	33	478	496	LHQHVHTGVREFVCFEC EK										Mascot
	2299.053	2299.1592	0.1062	46	227	245	HQMIHTGEKPYKCSHCD LR					Oxidation (M)[3]					Mascot
20	PREDICTED: WD repeat- and FYVE domain-containing gij326673033 protein 4 [Danio rerio]										526148.3	6.32	34	36	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
836.3567	836.3273	-0.0294	-35	4178	4184	DNMSDVR					Mascot
850.5145	850.5328	0.0183	22	2616	2622	RSFSLLK					Mascot
850.5145	850.5328	0.0183	22	2616	2622	RSFSLLK					Mascot
962.4434	962.5256	0.0822	85	1341	1348	MADLPMER					Mascot
987.4642	987.524	0.0598	61	2447	2454	DEAFNHVR					Mascot
987.4642	987.524	0.0598	61	2447	2454	DEAFNHVR					Mascot
1007.4826	1007.4681	-0.0145	-14	2558	2566	LASQSMDQK					Mascot
1022.5009	1022.495	-0.0059	-6	4283	4291	ASMKDPVMK			Oxidation (M)[3]		Mascot
1051.5492	1051.7001	0.1509	144	2205	2213	DLGMIPYVK			Oxidation (M)[4]		Mascot
1051.5492	1051.7001	0.1509	144	2205	2213	DLGMIPYVK			Oxidation (M)[4]		Mascot
1100.4355	1100.5676	0.1321	120	1322	1330	IMSDCCLCR			Carbamidomethyl (C)[5]		Mascot
1156.5891	1156.597	0.0079	7	1173	1181	MLQEQSHKR					Mascot
1179.6844	1179.5908	-0.0936	-79	1279	1288	DQHIATLLLR					Mascot
1199.5153	1199.5568	0.0415	35	1322	1331	IMSDCCLCRR					Mascot

1205.667	1205.6239	-0.0431	-36	3995	4005	LCSVVSSSLKGR	Carbamidomethyl (C)[2]	Mascot
1272.6848	1272.7003	0.0155	12	1150	1159	LIAHFSDWKR		Mascot
1412.7393	1412.6305	-0.1088	-77	1087	1098	GLRVGDFIEHNR		Mascot
1456.8444	1456.6569	-0.1875	-129	3362	3374	ILLMDSLINIPAK	Oxidation (M)[4]	Mascot
1587.9117	1587.8649	-0.0468	-29	1051	1063	FHTFLANRVTIIR		Mascot
1587.9117	1587.8649	-0.0468	-29	1051	1063	FHTFLANRVTIIR		Mascot
1625.7518	1625.7463	-0.0055	-3	1336	1348	MMLQKMADLPMER	Oxidation (M)[1,2]	Mascot
1638.6848	1638.8395	0.1547	94	35	47	SCLYMMPELGYDK	Carbamidomethyl (C)[2], Oxidation (M)[5,6]	Mascot
1815.9785	1815.87	-0.1085	-60	3735	3748	MAIQWLRIEEELLR	Oxidation (M)[1]	Mascot
1866.0154	1865.8218	-0.1936	-104	1591	1607	NLKPGDIVIIMDPTAPR	Oxidation (M)[11]	Mascot
1866.0154	1865.8218	-0.1936	-104	1591	1607	NLKPGDIVIIMDPTAPR	Oxidation (M)[11]	Mascot
1952.0885	1951.9854	-0.1031	-53	2812	2830	SCLVTVYLNATAIGTGKIK		Mascot
1961.8796	1961.97	0.0904	46	777	792	ENFYVDDCLKSVESEK	Carbamidomethyl (C)[8]	Mascot
1993.9907	1993.9501	-0.0406	-20	2521	2537	QIMCEFGLLSTLLTHCK	Carbamidomethyl (C)[4]	Mascot
2097.0076	2097.1064	0.0988	47	721	737	FLWWPEGDLTKDASEFR		Mascot
2097.1526	2097.1064	-0.0462	-22	2617	2635	SFSLLKTPLDSGMVVPLH R		Mascot
2102.04	2101.9805	-0.0595	-28	758	776	KTADDNQAEFPAEIPQTV K		Mascot
2224.9355	2225.0945	0.159	71	257	274	HLCFGCLSTSHMSRDCE K	Carbamidomethyl (C)[3,6,16]	Mascot
2224.9355	2225.0945	0.159	71	257	274	HLCFGCLSTSHMSRDCE K	Carbamidomethyl (C)[3,6,16]	Mascot
2233.0127	2233.063	0.0503	23	3183	3201	SWSFECLSCICPGFEVLQ K	Carbamidomethyl (C)[6]	Mascot
2283.1948	2283.1536	-0.0412	-18	2024	2043	IIQSSFMRSSNTVICSQIL R		Mascot
2283.1948	2283.1536	-0.0412	-18	2024	2043	IIQSSFMRSSNTVICSQIL R		Mascot
2284.1389	2284.1504	0.0115	5	2349	2369	LGEALLHLGCFQKGDVP ESDR		Mascot
2299.1772	2299.1592	-0.018	-8	2789	2807	CAKHLIPGQWHHLCLVM AK	Carbamidomethyl (C)[1,14]	Mascot
2300.1206	2300.1565	0.0359	16	910	927	NYGWDETVPQELLHRWT R		Mascot
2486.2603	2486.1956	-0.0647	-26	1878	1901	VLRSVSAAQAHNTVSAL QASNCMK		Mascot
3337.6045	3337.7273	0.1228	37	3638	3666	EGQVSMADVSPWEEQ ATKSWQLFIDSQK		Mascot

21 PREDICTED: RNA-directed DNA polymerase from mobile element jockey-like [Danio rerio] gi|326672568 119050.6 9.55 16 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.3628	864.4857	0.1229	142	168	174	MNENGQR			Oxidation (M)[1]		Mascot
870.4402	870.532	0.0918	105	916	922	WLGHVCR					Mascot

987.5945	987.524	-0.0705	-71	817	826	IGKAASTLAR	6	0	Mascot
987.5945	987.524	-0.0705	-71	817	826	IGKAASTLAR			Mascot
996.4819	996.584	0.1021	102	1041	1048	QSVMPQYK		Oxidation (M)[4]	Mascot
996.4819	996.584	0.1021	102	1041	1048	QSVMPQYK		Oxidation (M)[4]	Mascot
1100.6534	1100.5676	-0.0858	-78	355	363	NLQILRSTR			Mascot
1163.58	1163.6011	0.0211	18	330	340	ASTMIPCIEAK			Mascot
1179.5748	1179.5908	0.016	14	330	340	ASTMIPCIEAK		Oxidation (M)[4]	Mascot
1235.548	1235.6188	0.0708	57	50	58	DYTFYWQGR			Mascot
1279.6892	1279.7589	0.0697	54	485	497	APGSDGIPPDLLK			Mascot
1475.7787	1475.7354	-0.0433	-29	498	509	QCKDSLHLPLHK		Carbamidomethyl (C)[2]	Mascot
1638.8519	1638.8395	-0.0124	-8	485	500	APGSDGIPPDLLKQCK			Mascot
1912.9069	1912.9598	0.0529	28	417	432	SSTGEIIFDKQQQMER		Oxidation (M)[14]	Mascot
1961.8513	1961.97	0.1187	61	1007	1024	VQSVSQGATYQCDCCKK		Carbamidomethyl (C)[12]	Mascot
2101.9858	2101.9805	-0.0053	-3	653	672	GTIQFNGSCSEPFSSSGVK		Carbamidomethyl (C)[9]	Mascot
2151.9863	2152.0684	0.0821	38	286	304	ELDTAQTGDSALEMWESLR			Mascot
2194.0308	2194.0774	0.0466	21	322	340	THDWFEAKASTMIPCIEAK		Oxidation (M)[12]	Mascot
2233.0364	2233.063	0.0266	12	457	475	CLPTMEELDEEPTAEELRK			Mascot

22 hypothetical protein LOC795694 [Danio rerio] gi|157841207 31024 4.24 8 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
970.6043	970.4955	-0.1088	-112	166	173	QLKEILAR					Mascot
1022.4216	1022.495	0.0734	72	254	261	MNECPICR			Carbamidomethyl (C)[4]		Mascot
1235.5442	1235.6188	0.0746	60	253	261	RMNECPICR			Carbamidomethyl (C)[5,8]		Mascot
1638.8698	1638.8395	-0.0303	-18	44	57	EELVELVLDQQAPR					Mascot
1815.8265	1815.87	0.0435	24	28	41	DYLHLHQTPQMCR			Carbamidomethyl (C)[13], Oxidation (M)[12]		Mascot
1961.9537	1961.97	0.0163	8	185	199	WELMEKVTHLFNDQR			Oxidation (M)[4]		Mascot
2193.9402	2194.0774	0.1372	63	174	190	NFVNYQGCKEKLWELMEK			Carbamidomethyl (C)[8], Oxidation (M)[15]		Mascot
2486.0562	2486.1956	0.1394	56	228	249	ICMDSPIDCVLLECGHMTCSK			Carbamidomethyl (C)[2], Oxidation (M)[3,17]		Mascot

23 novel protein [Danio rerio] gi|94733366 36191.6 9.32 10 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	864.4798	864.4857	0.0059	7	292	298	HRSVHTK						Mascot
	962.3931	962.5256	0.1325	138	108	114	CSHCDDR			Carbamidomethyl (C)[1,4]			Mascot
	987.5621	987.524	-0.0381	-39	198	206	TFITAGHLK						Mascot
	987.5621	987.524	-0.0381	-39	198	206	TFITAGHLK						Mascot
	1007.392	1007.4681	0.0761	76	19	26	MSDPEPCR			Carbamidomethyl (C)[7], Oxidation (M)[1]			Mascot
	1156.5238	1156.597	0.0732	63	276	285	CDQCGKSFLR						Mascot
	1625.8428	1625.7463	-0.0965	-59	294	307	SVHTKEKPPSCSLR			Carbamidomethyl (C)[11]			Mascot
	1961.8956	1961.97	0.0744	38	155	170	VHTNEKPYSCPECGKR			Carbamidomethyl (C)[10,13]			Mascot
	2102.0085	2101.9805	-0.028	-13	189	206	EFVCFECEKTFITAGHLK						Mascot
	2211.0798	2211.0801	0.0003	0	151	169	IHLRVHTNEKPYSCPECGK						Mascot
	2298.0906	2298.1658	0.0752	33	179	197	LHQHVHTGVREFVCFCEK						Mascot
24	integrin beta 3a [Danio rerio]				gi 82524316		85636.2	5.46	14	36	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
	987.4603	987.524	0.0637	65	174	182	MGFGAFVDK			Oxidation (M)[1]		Mascot	
	987.4603	987.524	0.0637	65	174	182	MGFGAFVDK			Oxidation (M)[1]		Mascot	
	1156.552	1156.597	0.045	39	749	757	EFAKFEEEEK					Mascot	
	1163.5837	1163.6011	0.0174	15	54	64	GGSALSRCDLK			Carbamidomethyl (C)[8]		Mascot	
	1205.595	1205.6239	0.0289	24	762	771	WEAANNPLYK					Mascot	
	1279.5844	1279.7589	0.1745	136	624	635	CPTCPDACTIKK					Mascot	
	1312.6453	1312.6016	-0.0437	-33	414	425	IGDMVSFSIEAK			Oxidation (M)[4]		Mascot	
	1412.662	1412.6305	-0.0315	-22	21	34	GSNICTSRGVSTCK					Mascot	
	1472.7128	1472.6549	-0.0579	-39	772	785	GATTTTFQNVAYRGS					Mascot	
	1475.5746	1475.7354	0.1608	109	587	601	TDTCMGSGGLMCSGR					Mascot	
	1874.7295	1874.9208	0.1913	102	539	553	VWGPFCEDDFSCPR			Carbamidomethyl (C)[6,8]		Mascot	
	2082.98	2082.9888	0.0088	4	240	258	DSEGGGDAIFQAVVCKDK			Carbamidomethyl (C)[16]		Mascot	
	2259.8708	2260.127	0.2562	113	602	623	GHCVCVGCNCTQPGAYGSTCDK			Carbamidomethyl (C)[3]		Mascot	
	2284.3535	2284.1504	-0.2031	-89	1	20	MGLNLIKVWMPVLLISIAK			Oxidation (M)[1,10]		Mascot	
	2317.2771	2317.1436	-0.1335	-58	8	28	VWMPVLLISIAKGSNICTSR			Oxidation (M)[3]		Mascot	

25	hypothetical protein LOC564090 [Danio rerio]				gi 192453584		12976.7	10.42	5	36	0		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
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	1100.5219	1100.5676	0.0457	42	100	108	NDQQEPIK										Mascot
	1625.8621	1625.7463	-0.1158	-71	1	14	MIFGFPRPTAGYIR										Mascot
	2211.0889	2211.0801	-0.0088	-4	100	118	NDQQEPIKNISDTQQPV K										Mascot
	2225.123	2225.0945	-0.0285	-13	88	108	LAPANAGMASIKNDQQE EPIK										Mascot
	2225.123	2225.0945	-0.0285	-13	88	108	LAPANAGMASIKNDQQE EPIK										Mascot
	2260.085	2260.127	0.042	19	65	85	ILQWMSRPAMNADSPGS PSAK						Oxidation (M)[5]				Mascot
26	truncated SH3 binding domain protein 4 [Danio rerio]					gi 33438222	84564.4	8.75	12	35	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	842.5822	842.5021	-0.0801	-95	634	640	LIKTVIR					Mascot
	850.4338	850.5328	0.099	116	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
	850.4338	850.5328	0.099	116	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
	870.4726	870.532	0.0594	68	1	7	MAAHRIR			Oxidation (M)[1]		Mascot
	1163.6432	1163.6011	-0.0421	-36	742	750	HPYPRQLPR					Mascot
	1272.7522	1272.7003	-0.0519	-41	476	487	TLLVSEVGKQAK					Mascot
	1294.6637	1294.5137	-0.15	-116	553	563	KADEISDFTLR					Mascot
	1371.7161	1371.6206	-0.0955	-70	8	19	VTNNNNVLPRCK					Mascot
	1815.8959	1815.87	-0.0259	-14	432	446	HVSFSSNVWNHMKK			Oxidation (M)[12]		Mascot
	2097.0137	2097.1064	0.0927	44	373	390	VSMVTRTESPMAEIVCVR			Carbamidomethyl (C)[16], Oxidation (M)[4,11]		Mascot
	2097.0137	2097.1064	0.0927	44	373	390	VSMVTRTESPMAEIVCVR			Carbamidomethyl (C)[16], Oxidation (M)[4,11]		Mascot
	2284.2368	2284.1504	-0.0864	-38	463	484	TVVAIFGHDCAPKTLVLS EVGK					Mascot
	2300.0686	2300.1565	0.0879	38	568	587	DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5]		Mascot
	3337.6052	3337.7273	0.1221	37	269	298	LARSCHDLESLGQNPBW GQTQPVETNIVCK			Carbamidomethyl (C)[5]		Mascot

27 PREDICTED: zinc finger protein 420 isoform 1 [Danio rerio] gi|326678084 37946.4 9.32 10 35 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	864.4798	864.4857	0.0059	7	309	315	HRSVHTK					Mascot
	962.3931	962.5256	0.1325	138	125	131	CSHC DKR			Carbamidomethyl (C)[1,4]		Mascot
	987.5621	987.524	-0.0381	-39	215	223	TFITAGHLK					Mascot
	987.5621	987.524	-0.0381	-39	215	223	TFITAGHLK					Mascot
	1007.392	1007.4681	0.0761	76	36	43	MSDPEPCR			Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot

	1156.5238	1156.597	0.0732	63	293	302	CDQCGKSFLR										Mascot
	1625.8428	1625.7463	-0.0965	-59	311	324	SVHTKEKPPSCSLR						Carbamidomethyl (C)[11]				Mascot
	1961.8956	1961.97	0.0744	38	172	187	VHTNEKPYSCPECKR						Carbamidomethyl (C)[10,13]				Mascot
	2102.0085	2101.9805	-0.028	-13	206	223	EFVCFECEKTFITAGHLK										Mascot
	2211.0798	2211.0801	0.0003	0	168	186	IHLRVHTNEKPYSCPECK										Mascot
	2298.0906	2298.1658	0.0752	33	196	214	LHQHVHTGVREFVCFECK										Mascot
28	PREDICTED: hypothetical protein LOC100537186 [Danio rerio]						gi 326680843	136727.7	9.59	17	35	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.3628	864.4857	0.1229	142	319	325	MNENGQR			Oxidation (M)[1]		Mascot
870.4402	870.532	0.0918	105	1069	1075	WLGHVCR					Mascot
987.5945	987.524	-0.0705	-71	970	979	IGKAASTLAR	6	0			Mascot
987.5945	987.524	-0.0705	-71	970	979	IGKAASTLAR					Mascot
996.4819	996.584	0.1021	102	1194	1201	QSVMPQYK			Oxidation (M)[4]		Mascot
996.4819	996.584	0.1021	102	1194	1201	QSVMPQYK			Oxidation (M)[4]		Mascot
1100.6534	1100.5676	-0.0858	-78	506	514	NLQILRSTR					Mascot
1163.58	1163.6011	0.0211	18	481	491	ASTMIPCIEAK					Mascot
1179.5748	1179.5908	0.016	14	481	491	ASTMIPCIEAK			Oxidation (M)[4]		Mascot
1235.548	1235.6188	0.0708	57	50	58	DYTFYWQGR					Mascot
1279.6892	1279.7589	0.0697	54	636	648	APGSDGIPDLLK					Mascot
1475.7787	1475.7354	-0.0433	-29	649	660	QCKDSLHLPLHK			Carbamidomethyl (C)[2]		Mascot
1638.8519	1638.8395	-0.0124	-8	636	651	APGSDGIPDLLKQCK					Mascot
1912.9069	1912.9598	0.0529	28	568	583	SSTGEIIFDKQQQMER			Oxidation (M)[14]		Mascot
1961.8513	1961.97	0.1187	61	1160	1177	VQSVSQGATYQCDCCKK			Carbamidomethyl (C)[12]		Mascot
2083.0417	2082.9888	-0.0529	-25	754	770	EQEQQMPLYISFIDLT					Mascot
2101.9858	2101.9805	-0.0053	-3	806	825	GTIQFNGSCSEPFSSSGVK			Carbamidomethyl (C)[9]		Mascot
2151.9863	2152.0684	0.0821	38	437	455	ELDTAQTGDSALEMWESLR					Mascot
2194.0308	2194.0774	0.0466	21	473	491	THDWFEAKASTMIPCIEAK			Oxidation (M)[12]		Mascot
2233.0364	2233.063	0.0266	12	608	626	CLPTMEELDEEPTAEELRK					Mascot

29	novel protein similar to vertebrate copine IV (CPNE4) [Danio rerio]						gi 94732437	25404.6	5.47	7	35	0					
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Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
		996.4819	996.584	0.1021	102	66	74 SCINPTFSK					Mascot
		996.4819	996.584	0.1021	102	66	74 SCINPTFSK					Mascot
		1475.6543	1475.7354	0.0811	55	209	221 TSLNSLCSGDHER			Carbamidomethyl (C)[7]		Mascot
		1913.016	1912.9598	-0.0562	-29	31	48 GISDRDALSKPDCVVIK					Mascot
		1962.012	1961.97	-0.042	-21	75	89 VFTLDFYFEEVQRLR					Mascot
		2096.9409	2097.1064	0.1655	79	104	122 EADCLGAMECTLGQIVS QR			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot
		2096.9409	2097.1064	0.1655	79	104	122 EADCLGAMECTLGQIVS QR			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot
		2152.0195	2152.0684	0.0489	23	104	123 EADCLGAMECTLGQIVS QRK					Mascot
		2225.0359	2225.0945	0.0586	26	104	123 EADCLGAMECTLGQIVS QRK			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot
		2225.0359	2225.0945	0.0586	26	104	123 EADCLGAMECTLGQIVS QRK			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot
		2260.0801	2260.127	0.0469	21	2	22 SDIYESAANSLGLFSSPC LTK			Carbamidomethyl (C)[18]		Mascot
30	Integrin beta 3a [Danio rerio]						gi 190337291	85666.2	5.46	14	35	0
Peptide Information												
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
		987.4603	987.524	0.0637	65	174	182 MGFGAFVDK			Oxidation (M)[1]		Mascot
		987.4603	987.524	0.0637	65	174	182 MGFGAFVDK			Oxidation (M)[1]		Mascot
		1156.552	1156.597	0.045	39	749	757 EFAKFEEEEK					Mascot
		1163.5837	1163.6011	0.0174	15	54	64 GGSALSRCDLK			Carbamidomethyl (C)[8]		Mascot
		1205.595	1205.6239	0.0289	24	762	771 WEAANNPLYK					Mascot
		1279.5844	1279.7589	0.1745	136	624	635 CPTCPDACTIKK					Mascot
		1312.6453	1312.6016	-0.0437	-33	414	425 IGDMVSFSIEAK			Oxidation (M)[4]		Mascot
		1412.662	1412.6305	-0.0315	-22	21	34 GSNICTSRGVSTCK					Mascot
		1472.7128	1472.6549	-0.0579	-39	772	785 GATTTTFQNVAYRGS					Mascot
		1475.5746	1475.7354	0.1608	109	587	601 TDTCMGSGGLMCSGR					Mascot
		1874.7295	1874.9208	0.1913	102	539	553 VWGPFCECDDFSCPR			Carbamidomethyl (C)[6,8]		Mascot
		2082.98	2082.9888	0.0088	4	240	258 DSPEGGFDAIFQAVVCK DK			Carbamidomethyl (C)[16]		Mascot
		2259.8708	2260.127	0.2562	113	602	623 GHCVCVGCNCTQPGAY GSTCDK			Carbamidomethyl (C)[3]		Mascot
		2284.3535	2284.1504	-0.2031	-89	1	20 MGLNLIKVVWMPVLLISIA K			Oxidation (M)[1,10]		Mascot
		2317.2771	2317.1436	-0.1335	-58	8	28 VWMPVLLISIAKGSNICT SR			Oxidation (M)[3]		Mascot
31	PREDICTED: hypothetical protein LOC100535533 [Danio rerio]						gi 326671744	3229.6	9.19	4	35	0

Peptide Information									
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
996.4641	996.584	0.1199	120	4	12 AGPVFSCMK			Carbamidomethyl (C)[7]	Mascot
996.4641	996.584	0.1199	120	4	12 AGPVFSCMK			Carbamidomethyl (C)[7]	Mascot
1312.621	1312.6016	-0.0194	-15	1	12 MGKAGPVFSCMK			Carbamidomethyl (C)[10]	Mascot
1993.9912	1993.9501	-0.0411	-21	13	30 HNGHAISMEIQKTGLWTA				Mascot
2317.0886	2317.1436	0.055	24	4	24 AGPVFSCMKHNGHAISM EIQK			Oxidation (M)[8,17]	Mascot
32	PREDICTED: phenylserine dehydratase-like [Danio rerio]			gi 326673212	49208.8	7.51	10	34	0

Peptide Information									
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
1272.6656	1272.7003	0.0347	27	163	172 QYGMEIYLKK				Mascot
1312.7583	1312.6016	-0.1567	-119	432	442 LLDLLAREDVR				Mascot
1456.6591	1456.6569	-0.0022	-2	81	93 DFGAEEYLNGDVK				Mascot
1472.7817	1472.6549	-0.1268	-86	160	171 LSKQYGMIEYLK				Mascot
1993.9623	1993.9501	-0.0122	-6	415	431 VCRFTVQLADWPGDMAK			Carbamidomethyl (C)[2]	Mascot
2193.8818	2194.0774	0.1956	89	22	39 GFSDCEEYDPFWQSAEQ R				Mascot
2284.0774	2284.1504	0.073	32	243	263 DYGAMVISYGSTARDSIN HAR				Mascot
2298.1626	2298.1658	0.0032	1	124	144 SSTPPAPEHLRFQDISAA AFR				Mascot
2300.0723	2300.1565	0.0842	37	243	263 DYGAMVISYGSTARDSIN HAR			Oxidation (M)[5]	Mascot
2317.1777	2317.1436	-0.0341	-15	382	404 CTVDTEGAMGLAAILAGQ LPELK			Oxidation (M)[9]	Mascot
2486.2993	2486.1956	-0.1037	-42	382	406 CTVDTEGAMGLAAILAGQ LPELK GK				Mascot
33	Si:ch211-218c6.6 protein [Danio rerio]			gi 61402728	45287.5	5.86	8	34	0

Peptide Information									
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
875.4329	875.4556	0.0227	26	112	118 DVNRTDR				Mascot
987.4927	987.524	0.0313	32	288	295 HINELSMK			Oxidation (M)[7]	Mascot
987.4927	987.524	0.0313	32	288	295 HINELSMK			Oxidation (M)[7]	Mascot
1156.611	1156.597	-0.014	-12	237	245 ELHFQDVLR				Mascot
1312.712	1312.6016	-0.1104	-84	236	245 RELHFQDVLR				Mascot

	1951.9946	1951.9854	-0.0092	-5	280	295	YGFNEILKHINELSMK				Oxidation (M)[15]	Mascot
	2152.0876	2152.0684	-0.0192	-9	296	313	LDIEEILSKSESICMQUIK				Carbamidomethyl (C)[14], Oxidation (M)[15]	Mascot
	2260.0923	2260.127	0.0347	15	254	272	LPCQNFHLLVCCAILDSE K				Carbamidomethyl (C)[3,11]	Mascot
	2317.1138	2317.1436	0.0298	13	254	272	LPCQNFHLLVCCAILDSE K				Carbamidomethyl (C)[3,11,12]	Mascot
	2501.1912	2501.2251	0.0339	14	1	22	GDLGPRPEMQRTGPVTM EEWAK				Oxidation (M)[9]	Mascot
34	PREDICTED: si:dkeyp-11g8.5 [Danio rerio]				gi 326677187		79872.5	8.33	12	34	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1100.5881	1100.5676	-0.0205	-19	167	175	TDMISHLKR					Mascot
1205.5046	1205.6239	0.1193	99	127	135	MCICHLPCR			Carbamidomethyl (C)[2,4], Oxidation (M)[1]		Mascot
1294.5869	1294.5137	-0.0732	-57	55	66	NENTTSSAVSER					Mascot
1371.7128	1371.6206	-0.0922	-67	666	677	VSRTHFDP TGVR					Mascot
1815.9646	1815.87	-0.0946	-52	374	388	SLNVTLRHYGCQIVR			Carbamidomethyl (C)[11]		Mascot
1993.8695	1993.9501	0.0806	40	180	197	GETEASYSGNLDAYEIMK			Oxidation (M)[17]		Mascot
2211.1616	2211.0801	-0.0815	-37	353	373	NVRNLGIVSVTSTD TGSL YSK					Mascot
2225.1409	2225.0945	-0.0464	-21	299	320	TGRQLDGAGDPESPIAS VEVVK					Mascot
2225.1409	2225.0945	-0.0464	-21	299	320	TGRQLDGAGDPESPIAS VEVVK					Mascot
2297.0447	2297.1614	0.1167	51	118	135	VYVEFEGQRMCI CHLPC R			Carbamidomethyl (C)[11,13]		Mascot
2486.1504	2486.1956	0.0452	18	176	197	HINKGETEASYSGNLDAY EIMK			Oxidation (M)[21]		Mascot
2501.293	2501.2251	-0.0679	-27	589	610	LNASNIINESLNMLNHLYS GKR					Mascot
3337.5913	3337.7273	0.136	41	449	474	QLLHCQWCEERVFLKPG SMVEENLYR			Carbamidomethyl (C)[5,8], Oxidation (M)[19]		Mascot

35 interleukin 4/13B [Danio rerio] gi|193788073 13301.7 8.6 6 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1163.6276	1163.6011	-0.0265	-23	54	64	KTLCQAGMALK					Mascot
1179.6224	1179.5908	-0.0316	-27	54	64	KTLCQAGMALK			Oxidation (M)[8]		Mascot
1371.5933	1371.6206	0.0273	20	108	118	ACCHYLYSAQR			Carbamidomethyl (C)[2]		Mascot
1472.641	1472.6549	0.0139	9	108	119	ACCHYLYSAQRT			Carbamidomethyl (C)[2]		Mascot
2299.269	2299.1592	-0.1098	-48	13	32	TDEILLMEIIQSVNRILNGK					Mascot
2300.0903	2300.1565	0.0662	29	36	54	MDLDQFIPDIYETGHYSK K					Mascot
2486.1543	2486.1956	0.0413	17	33	53	GEKMDLDQFIPDIYETGH					Mascot

36 Zgc:171573 protein [Danio rerio] YSK gi|166796220 28101.6 9.65 7 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4937	864.4857	-0.008	-9	30	36	IFSDKVR					Mascot
1022.5265	1022.495	-0.0315	-31	27	34	QERIFSDK					Mascot
1235.6239	1235.6188	-0.0051	-4	100	109	QQFQQASSRR					Mascot
1456.8005	1456.6569	-0.1436	-99	37	50	TIGVDIDALGQQVK					Mascot
1625.7046	1625.7463	0.0417	26	177	189	SECLWTAELSNCR			Carbamidomethyl (C)[3,12]		Mascot
2096.999	2097.1064	0.1074	51	65	83	VYADDLLCSDGIACILEQ R					Mascot
2096.999	2097.1064	0.1074	51	65	83	VYADDLLCSDGIACILEQ R					Mascot
2211.042	2211.0801	0.0381	17	65	83	VYADDLLCSDGIACILEQ R			Carbamidomethyl (C)[8,14]		Mascot
2486.0745	2486.1956	0.1211	49	169	189	QEENNMTKSECLWTAEL SNCR					Mascot

37 PREDICTED: hypothetical protein LOC567610 [Danio rerio] gi|189529058 18686.6 9.77 6 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
875.5131	875.4556	-0.0575	-66	2	8	NTKIMLR					Mascot
970.4476	970.4955	0.0479	49	158	165	ESSYEVTR					Mascot
1022.5485	1022.495	-0.0535	-52	1	8	MNTKIMLR			Oxidation (M)[1]		Mascot
1312.6704	1312.6016	-0.0688	-52	93	104	TSTTQRTTTTSK					Mascot
2102.2478	2101.9805	-0.2673	-127	126	146	VGLVIAAILFVMGILVLGC GK			Oxidation (M)[12]		Mascot
2299.3755	2299.1592	-0.2163	-94	125	146	RVGLVIAAILFVMGILVLG CGK			Carbamidomethyl (C)[20]		Mascot

38 polymerase I and transcript release factor isoform 1 [Danio rerio] gi|147898795 19874.3 5.41 1 33 0 29 69.543

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
987.5945	987.524	-0.0705	-71	128	136	VSVNVKSVR	29	69.543			Mascot
987.5945	987.524	-0.0705	-71	128	136	VSVNVKSVR					Mascot

39 hypothetical protein LOC553738 [Danio rerio] gi|66472320 27546.3 9.57 9 33 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	853.4413	853.3546	-0.0867	-102	223	230 FSQSGSLK					Mascot
	1165.6212	1165.7299	0.1087	93	194	203 TFVTADDLKR					Mascot
	1165.6212	1165.7299	0.1087	93	194	203 TFVTADDLKR					Mascot
	1179.615	1179.5908	-0.0242	-21	166	175 SCTRQSSLIK			Carbamidomethyl (C)[2]		Mascot
	1865.9031	1865.8218	-0.0813	-44	10	25 MVRTGEKPITCTQCGK			Carbamidomethyl (C)[11,14]		Mascot
	1865.9031	1865.8218	-0.0813	-44	10	25 MVRTGEKPITCTQCGK			Carbamidomethyl (C)[11,14]		Mascot
	1961.8779	1961.97	0.0921	47	207	222 IHTGEKPYMCSHCDKR			Carbamidomethyl (C)[10]		Mascot
	2233.0752	2233.063	-0.0122	-5	147	165 FHLRVHTNERPYSCSVC GK					Mascot
	2284.0168	2284.1504	0.1336	58	204	221 HQRHTGEKPYMCSHCD K			Carbamidomethyl (C)[13,16]		Mascot
	2298.0171	2298.1658	0.1487	65	151	169 VHTNERPYSCSVC GKSC TR			Carbamidomethyl (C)[10,13,17]		Mascot
	2300.0117	2300.1565	0.1448	63	204	221 HQRHTGEKPYMCSHCD K			Carbamidomethyl (C)[13,16], Oxidation (M)[12]		Mascot
	2486.1763	2486.1956	0.0193	8	13	35 TGEKPITCTQCGKSFSQS SNLNR					Mascot
40	extended synaptotagmin-3 [Danio rerio]				gi 181339841	98050.5	7.91	13	33	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	856.4159	856.5167	0.1008	118	460	466 EVTHNEK					Mascot
	1045.4077	1045.5532	0.1455	139	389	397 FSMDCGDVR			Oxidation (M)[3]		Mascot
	1272.6881	1272.7003	0.0122	10	292	301 VEQMRFLPR					Mascot
	1294.65	1294.5137	-0.1363	-105	766	775 MYLLPDQTWK					Mascot
	1412.8406	1412.6305	-0.2101	-149	206	218 VGIKGLQLQGMLR					Mascot
	1587.8101	1587.8649	0.0548	35	766	777 MYLLPDQTWKHR					Mascot
	1587.8101	1587.8649	0.0548	35	766	777 MYLLPDQTWKHR					Mascot
	1865.9069	1865.8218	-0.0851	-46	405	419 WYTLEDIESGQIHFK					Mascot
	1865.9069	1865.8218	-0.0851	-46	405	419 WYTLEDIESGQIHFK					Mascot
	2194.1211	2194.0774	-0.0437	-20	589	608 VVTSAPQDKNTSTPNRP EPR					Mascot
	2233.2009	2233.063	-0.1379	-62	541	559 FSLPLVRLNVSMDTLQD R			Oxidation (M)[14]		Mascot
	2299.1201	2299.1592	0.0391	17	480	499 TNNPNSYVEFSIDLQSQK SK					Mascot
	2300.1082	2300.1565	0.0483	21	786	805 TVNPVFDETFEFAVSLEE AR					Mascot
	2472.1455	2472.1626	0.0171	7	434	456 ETSDGLACAMLALYLDCA SNLPK			Carbamidomethyl (C)[8], Oxidation (M)[10]		Mascot
	2486.1995	2486.1956	-0.0039	-2	98	118 AMDMPPWIHFADVEKAA WINK			Oxidation (M)[2]		Mascot

41 PREDICTED: NACHT, LRR and PYD domains-containing protein 3-like [Danio rerio] gi|292610040 106687 6.59 11 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
970.4741	970.4955	0.0214	22	374	380	HEKHYEK					Mascot
987.5581	987.524	-0.0341	-35	496	504	AVDKALQSR	10	0			Mascot
987.5581	987.524	-0.0341	-35	496	504	AVDKALQSR					Mascot
1022.5815	1022.495	-0.0865	-85	394	401	LAFRQLMK			Oxidation (M)[7]		Mascot
1179.6732	1179.5908	-0.0824	-70	311	320	LADEIIQHLK					Mascot
1475.7351	1475.7354	0.0003	0	939	950	LETLHISWGFIC			Carbamidomethyl (C)[12]		Mascot
1625.7332	1625.7463	0.0131	8	715	731	CCGVSDDEGCAALASVLK					Mascot
1913.014	1912.9598	-0.0542	-28	46	62	GGIDPGFSHRKPLQTFR					Mascot
1951.9397	1951.9854	0.0457	23	713	731	LRCCGVSDDEGCAALASV LK			Carbamidomethyl (C)[3]		Mascot
2083.0894	2082.9888	-0.1006	-48	357	373	TLTEMYTHFLIIQTSIR			Oxidation (M)[5]		Mascot
2102.1282	2101.9805	-0.1477	-70	190	207	DRTLSLADLLHVFFPETK					Mascot
2211.0513	2211.0801	0.0288	13	478	495	STRPHEFTCHTVFDLHQ R					Mascot

42 novel protein similar to Janus kinase family (a protein tyrosine kinase, leukocyte) [Danio rerio] gi|169145296 125997.7 6.83 15 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4603	850.5328	0.0725	85	399	405	NGMFLLR					Mascot
850.4603	850.5328	0.0725	85	399	405	NGMFLLR					Mascot
856.3981	856.5167	0.1186	138	882	889	GICYSTGR					Mascot
864.4825	864.4857	0.0032	4	959	966	IADFGLTK					Mascot
987.4894	987.524	0.0346	35	406	413	HSPKEFDK					Mascot
987.4894	987.524	0.0346	35	406	413	HSPKEFDK					Mascot
1007.4938	1007.4681	-0.0257	-26	228	236	CSAGERSLK			Carbamidomethyl (C)[1]		Mascot
1100.5959	1100.5676	-0.0283	-26	939	947	YVHRDLAAR					Mascot
1163.6354	1163.6011	-0.0343	-29	395	405	AGGKNGMFLLR					Mascot
1179.6302	1179.5908	-0.0394	-33	395	405	AGGKNGMFLLR			Oxidation (M)[7]		Mascot
1475.7094	1475.7354	0.026	18	308	319	RLCQEQMPLGR			Oxidation (M)[7]		Mascot
1625.8025	1625.7463	-0.0562	-35	616	629	SMCVSVSWKLDVAK			Carbamidomethyl (C)[3], Oxidation (M)[2]		Mascot
1962.0364	1961.97	-0.0664	-34	625	641	LDVAKQLACALNFLEEK			Carbamidomethyl (C)[9]		Mascot
2097.0684	2097.1064	0.038	18	865	881	EIQTISSLHCDYIVKYK			Carbamidomethyl (C)[10]		Mascot

	2097.0684	2097.1064	0.038	18	865	881	EIQTISSLHCDYIVKYK		Carbamidomethyl (C)[10]	Mascot	
	2211.0791	2211.0801	0.001	0	290	307	QEWQTFCDPFIIDISIK			Mascot	
	2225.0115	2225.0945	0.083	37	564	582	NCWESLFEAASLSMQIS HR		Oxidation (M)[13]	Mascot	
	2225.0115	2225.0945	0.083	37	564	582	NCWESLFEAASLSMQIS HR		Oxidation (M)[13]	Mascot	
	2247.1333	2247.0789	-0.0544	-24	920	938	LLLFASQICKGMEYLQSM R		Oxidation (M)[12]	Mascot	
	2299.1614	2299.1592	-0.0022	-1	894	912	LVMEYLPYGSLIGYMEKH R			Mascot	
43	SH3 domain-binding protein 4-A [Danio rerio]				gi 45387913		104947.5	7.73	13	32	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	842.5822	842.5021	-0.0801	-95	634	640	LIKTVIR					Mascot
	850.4338	850.5328	0.099	116	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
	850.4338	850.5328	0.099	116	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
	870.4726	870.532	0.0594	68	1	7	MAAHRIR			Oxidation (M)[1]		Mascot
	1045.4796	1045.5532	0.0736	70	762	770	AELDSEPER					Mascot
	1272.7522	1272.7003	-0.0519	-41	476	487	TLLVSEVGKQAK					Mascot
	1294.6637	1294.5137	-0.15	-116	553	563	KADEISDFTLR					Mascot
	1371.7161	1371.6206	-0.0955	-70	8	19	VTNNNNVLPRCK					Mascot
	1412.6031	1412.6305	0.0274	19	780	790	EDCLNMETKEK			Carbamidomethyl (C)[3], Oxidation (M)[6]		Mascot
	1815.8959	1815.87	-0.0259	-14	432	446	HVSFSSNVWNHMKK			Oxidation (M)[12]		Mascot
	2097.0137	2097.1064	0.0927	44	373	390	VSVMTRTESMAEIVCVR			Carbamidomethyl (C)[16], Oxidation (M)[4,11]		Mascot
	2097.0137	2097.1064	0.0927	44	373	390	VSVMTRTESMAEIVCVR			Carbamidomethyl (C)[16], Oxidation (M)[4,11]		Mascot
	2284.2368	2284.1504	-0.0864	-38	463	484	TVVAIFGHDCAPKTLVLS EVGK					Mascot
	2300.0686	2300.1565	0.0879	38	568	587	DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5]		Mascot
	3337.6052	3337.7273	0.1221	37	269	298	LARSCHDLES LGQNP GW GQTQP VETNIVCK			Carbamidomethyl (C)[5]		Mascot

44 PREDICTED: RNA-directed DNA polymerase from mobile element jockey-like [Danio rerio] gi|326667425 118942.6 9.57 15 32 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	864.3628	864.4857	0.1229	142	168	174	MNENGQR			Oxidation (M)[1]		Mascot
	870.4402	870.532	0.0918	105	916	922	WLGHVCR					Mascot
	987.5945	987.524	-0.0705	-71	817	826	IGKAATLAR	6	0			Mascot
	987.5945	987.524	-0.0705	-71	817	826	IGKAATLAR					Mascot

	996.4819	996.584	0.1021	102	1041	1048	QSVMPQYK		Oxidation (M)[4]	Mascot	
	996.4819	996.584	0.1021	102	1041	1048	QSVMPQYK		Oxidation (M)[4]	Mascot	
	1100.6534	1100.5676	-0.0858	-78	355	363	NLQILRSTR			Mascot	
	1163.58	1163.6011	0.0211	18	330	340	ASTMIPCIEAK			Mascot	
	1179.5748	1179.5908	0.016	14	330	340	ASTMIPCIEAK		Oxidation (M)[4]	Mascot	
	1235.548	1235.6188	0.0708	57	50	58	DYTFYWQGR			Mascot	
	1279.6892	1279.7589	0.0697	54	485	497	APGSDGIPDLLK			Mascot	
	1475.7787	1475.7354	-0.0433	-29	498	509	QCKDSSLHPLHK		Carbamidomethyl (C)[2]	Mascot	
	1638.8519	1638.8395	-0.0124	-8	485	500	APGSDGIPDLLKQCK			Mascot	
	1961.8513	1961.97	0.1187	61	1007	1024	VQSVSQGATYQCDCCK KK		Carbamidomethyl (C)[12]	Mascot	
	2101.9858	2101.9805	-0.0053	-3	653	672	GTIQFNGSCSEPFSSSG VK		Carbamidomethyl (C)[9]	Mascot	
	2151.9863	2152.0684	0.0821	38	286	304	ELDTAQTGDSALEMWES LR			Mascot	
	2194.0308	2194.0774	0.0466	21	322	340	THDWFEAKASTMIPCIEA K		Oxidation (M)[12]	Mascot	
	2233.0364	2233.063	0.0266	12	457	475	CLPTMEELDEEPTAEELR K			Mascot	
45	60S ribosomal protein L28 [Danio rerio]				gi 41055030		15629.8	12.11	6	32	0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.4787	856.5167	0.038	44	41	47	FNGLIHR					Mascot
1051.5895	1051.7001	0.1106	105	13	21	NSSSFLIKR					Mascot
1051.5895	1051.7001	0.1106	105	13	21	NSSSFLIKR					Mascot
1199.663	1199.5568	-0.1062	-89	48	59	KTIGIEPAADGK					Mascot
1279.6753	1279.7589	0.0836	65	69	80	SGQRKPATSYGK					Mascot
1294.6273	1294.5137	-0.1136	-88	24	34	QTYSTEPNNLK					Mascot
1639.0013	1638.8395	-0.1618	-99	114	128	RVSAILSSQKPVVVR					Mascot

46 PREDICTED: fibroblast growth factor receptor substrate 2-like [Danio rerio] gi|326668781 70183.2 5.85 10 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
970.4999	970.4955	-0.0044	-5	394	402	GMVAAGHRR			Oxidation (M)[2]		Mascot
1007.5131	1007.4681	-0.045	-45	57	63	WPYLCLR			Carbamidomethyl (C)[5]		Mascot
1100.5636	1100.5676	0.004	4	509	516	VFNFDfRR					Mascot
1163.6143	1163.6011	-0.0132	-11	57	64	WPYLCLRR			Carbamidomethyl (C)[5]		Mascot

	1199.5878	1199.5568	-0.031	-26	80	90	CQTGQGIFAFK										Mascot
	1205.49	1205.6239	0.1339	111	1	10	MGSCWSCLYR										Mascot
	1412.7103	1412.6305	-0.0798	-56	79	90	RCQTGQGIFAFK						Carbamidomethyl (C)[2]				Mascot
	1815.8993	1815.87	-0.0293	-16	256	270	FMLGPTPAQRHLMER						Oxidation (M)[2,13]				Mascot
	2225.1672	2225.0945	-0.0727	-33	475	493	DALQNYVNTEQLPPPTRL R										Mascot
	2225.1672	2225.0945	-0.0727	-33	475	493	DALQNYVNTEQLPPPTRL R										Mascot
	2472.1282	2472.1626	0.0344	14	315	335	HPSMEPCPESQLTYENIN GLR						Carbamidomethyl (C)[7]				Mascot
47	isocitrate dehydrogenase [NADP], mitochondrial [Danio rerio]										gi 41054651	50364.5	8.35	9	32	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.4311	856.5167	0.0856	100	255	261	AYDGRFK					Mascot
1205.6096	1205.6239	0.0143	12	129	138	MWKSPNGTIR			Oxidation (M)[1]		Mascot
1294.646	1294.5137	-0.1323	-102	192	203	MVFTPADGSKNK					Mascot
1371.6508	1371.6206	-0.0302	-22	412	424	DLAGCIHGLANCK			Carbamidomethyl (C)[5]		Mascot
1625.8428	1625.7463	-0.0965	-59	21	35	SPAVLAPACQLQQR			Carbamidomethyl (C)[9]		Mascot
1874.9872	1874.9208	-0.0664	-35	359	375	GRPTSTNPIASIFAWTR					Mascot
2284.2078	2284.1504	-0.0574	-25	14	35	SAATLSKSPAVLAPACQS LQQR			Carbamidomethyl (C)[16]		Mascot
2297.1667	2297.1614	-0.0053	-2	287	307	LIDDMVAQVLKSSGAFV WACK			Oxidation (M)[5]		Mascot
2300.126	2300.1565	0.0305	13	392	411	FSQTLERVCVETVESGV MTK			Carbamidomethyl (C)[9]		Mascot

48 Tlk1a protein [Danio rerio] gi|156230424 38213.5 9.84 8 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
875.4832	875.4556	-0.0276	-32	184	191	LATIESNK					Mascot
1199.7007	1199.5568	-0.1439	-120	261	270	LRLGHFTTVR					Mascot
1371.7478	1371.6206	-0.1272	-93	215	225	QIDEQQKLEK					Mascot
1587.8588	1587.8649	0.0061	4	184	197	LATIESNKNLDLEK					Mascot
1587.8588	1587.8649	0.0061	4	184	197	LATIESNKNLDLEK					Mascot
1815.8719	1815.87	-0.0019	-1	313	330	KPPSASSSQSPSTNSEP K					Mascot
1994.0474	1993.9501	-0.0973	-49	174	191	SVQTDLTVMKLATIESNK			Oxidation (M)[9]		Mascot
2299.0779	2299.1592	0.0813	35	271	290	HGASFTEQWTDGYAFQN LVK					Mascot
2317.0081	2317.1436	0.1355	58	2	22	MAGSPMEQMGAMEELH					Mascot

49 PREDICTED: hypothetical protein LOC100538026 gi|326673594 14275.3 8.81 6 32 0
 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1163.6276	1163.6011	-0.0265	-23	62	72	KTLCQAGMALK					Mascot
1179.6224	1179.5908	-0.0316	-27	62	72	KTLCQAGMALK			Oxidation (M)[8]		Mascot
1371.5933	1371.6206	0.0273	20	116	126	ACCHYLYSAQR			Carbamidomethyl (C)[2]		Mascot
1472.641	1472.6549	0.0139	9	116	127	ACCHYLYSAQRT			Carbamidomethyl (C)[2]		Mascot
2299.269	2299.1592	-0.1098	-48	21	40	TDEILLMEIIQSVNRILNGK					Mascot
2300.0903	2300.1565	0.0662	29	44	62	MDLDQFIPDIYETGHYSK					Mascot
2486.1543	2486.1956	0.0413	17	41	61	GEKMDLDQFIPDIYETGHYSK					Mascot

50 PREDICTED: interferon-induced very large GTPase 1-like [Danio rerio] gi|326676497 194760.8 7 20 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4178	864.4857	0.0679	79	551	556	EMCRLR			Carbamidomethyl (C)[3]		Mascot
962.5153	962.5256	0.0103	11	77	85	NEATSVTLK					Mascot
987.4781	987.524	0.0459	46	1420	1427	NYESFVTK					Mascot
987.4781	987.524	0.0459	46	1420	1427	NYESFVTK					Mascot
1100.5769	1100.5676	-0.0093	-8	1185	1193	LLHSNLEMK			Oxidation (M)[8]		Mascot
1163.5361	1163.6011	0.065	56	1049	1058	CEADNELGKK			Carbamidomethyl (C)[1]		Mascot
1205.6447	1205.6239	-0.0208	-17	473	482	LQMTVDEILK			Oxidation (M)[3]		Mascot
1235.6276	1235.6188	-0.0088	-7	274	283	ECTLMLWALR					Mascot
1279.6827	1279.7589	0.0762	60	1478	1488	FVTNVCKNLNK					Mascot
1371.7777	1371.6206	-0.1571	-115	1132	1142	EKVLNLIQVCR			Carbamidomethyl (C)[10]		Mascot
1412.6362	1412.6305	-0.0057	-4	461	472	DVKMNDDDFVAK			Oxidation (M)[4]		Mascot
1456.6486	1456.6569	0.0083	6	187	198	RMSDENQAQSFK			Oxidation (M)[2]		Mascot
1475.7522	1475.7354	-0.0168	-11	428	440	LVLVCNTNDLESR					Mascot
1815.8768	1815.87	-0.0068	-4	881	896	MSFFQQLDVMTQAAAK					Mascot
1912.9507	1912.9598	0.0091	5	1601	1617	LIADICSSLVASEMTFR			Carbamidomethyl (C)[6]		Mascot
2097.0657	2097.1064	0.0407	19	646	663	KLENHIANSSSLGVQHFMR			Oxidation (M)[17]		Mascot
2097.0657	2097.1064	0.0407	19	646	663	KLENHIANSSSLGVQHFMR			Oxidation (M)[17]		Mascot
2225.0828	2225.0945	0.0117	5	464	482	MNDDDFVAKLQMTVDEIL					Mascot

2225.0828	2225.0945	0.0117	5	464	482	K MNDDDFVAKLQMTVDEIL					Mascot
2284.0913	2284.1504	0.0591	26	297	316	K DCSGENSIVQTDPLISF				Carbamidomethyl (C)[2]	Mascot
2297.0974	2297.1614	0.064	28	156	174	VR TNINMEYMLMELGLQSHL				Oxidation (M)[5,8]	Mascot
2300.0759	2300.1565	0.0806	35	356	375	K ICNGLVEMTWYLPCKGE					Mascot
2486.1755	2486.1956	0.0201	8	1262	1282	TDK TEPKSDYNSADIQELLCFI				Carbamidomethyl (C)[17]	Mascot
						DK					

Gel Idx/Pos	180/H7	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	gelsolin b [Danio rerio]	gi 148230943	80133.8	5.62	16	469	100	398	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
823.4169	823.399	-0.0179	-22	517	524	ANPAGHTR					Mascot
853.3621	853.3448	-0.0173	-20	179	184	CNQFER			Carbamidomethyl (C)[1]		Mascot
875.4661	875.4468	-0.0193	-22	104	110	TFLGYFK					Mascot
987.537	987.5167	-0.0203	-21	13	20	QTGLQVWR	52	99.834			Mascot
987.537	987.5167	-0.0203	-21	13	20	QTGLQVWR					Mascot
1007.4792	1007.4591	-0.0201	-20	676	684	YIESDPAGR					Mascot
1022.5053	1022.4899	-0.0154	-15	2	9	VHHPEFEK					Mascot
1294.5262	1294.5033	-0.0229	-18	193	202	DIRDNECCGR			Carbamidomethyl (C)[7,8]		Mascot
1456.6777	1456.6481	-0.0296	-20	308	320	AAEDFISQMGYPK					Mascot
1472.6726	1472.6449	-0.0277	-19	308	320	AAEDFISQMGYPK	44	98.921	Oxidation (M)[9]		Mascot
1472.6726	1472.6449	-0.0277	-19	308	320	AAEDFISQMGYPK			Oxidation (M)[9]		Mascot
1578.6522	1578.7957	0.1435	91	377	391	SEAMAAQHGMVDDGK			Oxidation (M)[4,10]		Mascot
1625.7476	1625.7368	-0.0108	-7	203	216	AKLFVCEESENDK			Carbamidomethyl (C)[6]		Mascot
1952.0123	1951.9774	-0.0349	-18	321	337	HTEVQIIPENGETPLFK					Mascot
2097.1299	2097.0923	-0.0376	-18	451	472	GASAILAAQLDAELGGSA	210	100			Mascot
2097.1299	2097.0923	-0.0376	-18	451	472	VQVR GASAILAAQLDAELGGSA					Mascot
2121.1438	2121.1003	-0.0435	-21	217	236	ILAILGPKPDLPAQSEDT					Mascot
2152.0959	2152.0601	-0.0358	-17	32	50	K NLYGGFYTGDTYLVNTI					Mascot
2152.0959	2152.0601	-0.0358	-17	32	50	K NLYGGFYTGDTYLVNTI	92	100			Mascot

	2155.96	2155.9233	-0.0367	-17	433	450	QGQIIMWQGEESQDE K										Mascot
	3387.667	3387.6663	-0.0007	0	399	428	IEGSDKVPVDPSIYGQFY GGDSYIILYTYK										Mascot
2	acylamino-acid-releasing enzyme [Danio rerio]				gi 38564417		81411.5	5.72	8	89	99.994	78	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1019.5554	1019.5233	-0.0321	-31	129	137	CLNLTTLNK					Mascot
1047.5316	1047.5	-0.0316	-30	107	115	ENTIKGEEK					Mascot
1587.8853	1587.8539	-0.0314	-20	5	17	VLRDPVEISQLYR					Mascot
1625.7588	1625.7368	-0.022	-14	74	88	SVVYSGPSGNCTEIR			Carbamidomethyl (C)[11]		Mascot
1815.8911	1815.8549	-0.0362	-20	349	365	AGDDGFTGIYSFLLSPR					Mascot
1865.8453	1865.8141	-0.0312	-17	38	52	YGGQYSNIYTEWTQR					Mascot
1865.8453	1865.8141	-0.0312	-17	38	52	YGGQYSNIYTEWTQR	78	100			Mascot
1961.9901	1961.9539	-0.0362	-18	312	328	IVYLESVGFPHLQCSR			Carbamidomethyl (C)[15]		Mascot
2306.0581	2306.1123	0.0542	24	710	730	ADAESDGFMMGALWMIQ HLSL					Mascot

3	Acylpeptide hydrolase [Danio rerio]				gi 55777111		81351.5	5.66	6	82	99.975	78	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1019.5554	1019.5233	-0.0321	-31	129	137	CLNLTTLNK					Mascot
1047.5316	1047.5	-0.0316	-30	107	115	ENTIKGEEK					Mascot
1587.8853	1587.8539	-0.0314	-20	5	17	VLRDPVEISQLYR					Mascot
1625.7588	1625.7368	-0.022	-14	74	88	SVVYSGPSGNCTEIR			Carbamidomethyl (C)[11]		Mascot
1865.8453	1865.8141	-0.0312	-17	38	52	YGGQYSNIYTEWTQR					Mascot
1865.8453	1865.8141	-0.0312	-17	38	52	YGGQYSNIYTEWTQR	78	100			Mascot
1961.9901	1961.9539	-0.0362	-18	312	328	IVYLESVGFPHLQCSR			Carbamidomethyl (C)[15]		Mascot

4	PREDICTED: serine/arginine repetitive matrix protein 4 [Danio rerio]				gi 189518857		64253.1	11.33	13	53	76.646						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
875.458	875.4468	-0.0112	-13	336	343	LKGEESGR					Mascot
970.3716	970.491	0.1194	123	177	184	SSSCMENR			Carbamidomethyl (C)[4]		Mascot
996.5836	996.5763	-0.0073	-7	59	67	RLETPVGP					Mascot

996.5836	996.5763	-0.0073	-7	59	67	RLETPVGPK							Mascot
1007.5228	1007.4591	-0.0637	-63	377	385	SRSISSQSR							Mascot
1047.4346	1047.5	0.0654	62	443	450	YCSSCKSR					Carbamidomethyl (C)[2,5]		Mascot
1279.8572	1279.7505	-0.1067	-83	8	19	LLAGILARLLAR							Mascot
1456.7166	1456.6481	-0.0685	-47	60	72	LETPVGPKDDEEK							Mascot
1467.6724	1467.726	0.0536	37	524	535	SRSHSHYSSYR							Mascot
1662.9326	1662.7861	-0.1465	-88	498	511	SSSILSWRLFPLTR							Mascot
2071.8994	2072.0278	0.1284	62	218	235	ISSKCCCHFSESTVSPSR					Carbamidomethyl (C)[5,6]		Mascot
2119.0876	2119.0757	-0.0119	-6	236	256	SGVEGLSKVVIVQNSESS DGK							Mascot
2155.9739	2155.9233	-0.0506	-23	259	279	ADYDSGNDTSSPPSSKT GITR							Mascot
2300.0105	2300.1404	0.1299	56	222	243	CCCHFSESTVSPSRSGV EGLSK							Mascot

5 PREDICTED: zinc finger protein 420 isoform 2 [Danio rerio] gi|326678086 70371 9.08 16 50 50.069

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5206	842.4943	-0.0263	-31	25	31	QRQGLLK					Mascot
864.4798	864.4702	-0.0096	-11	591	597	HRSVHTK					Mascot
987.5621	987.5167	-0.0454	-46	497	505	TFITAGHLK					Mascot
987.5621	987.5167	-0.0454	-46	497	505	TFITAGHLK					Mascot
1007.392	1007.4591	0.0671	67	36	43	MSDPEPCR			Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot
1019.4397	1019.5233	0.0836	82	572	580	THKCDQCGK					Mascot
1045.536	1045.5457	0.0097	9	134	141	FHCARNLK			Carbamidomethyl (C)[3]		Mascot
1062.5149	1062.674	0.1591	150	110	117	YNLNVHMR			Oxidation (M)[7]		Mascot
1578.7567	1578.7957	0.039	25	46	58	QEETEELIDVMVK			Oxidation (M)[11]		Mascot
1625.8428	1625.7368	-0.106	-65	593	606	SVHTKEKPSCSLR			Carbamidomethyl (C)[11]		Mascot
1662.7363	1662.7861	0.0498	30	258	272	THTGEKPYTCTHCGK					Mascot
1961.8956	1961.9539	0.0583	30	454	469	VHTNEKPYSCPECGKR			Carbamidomethyl (C)[10,13]		Mascot
2118.9958	2119.0757	0.0799	38	538	555	VHTGEKPFACHTCGKSF R			Carbamidomethyl (C)[10,13]		Mascot
2211.0798	2211.0659	-0.0139	-6	450	468	IHLRVHTNEKPYSCPECG K					Mascot
2230.0605	2230.1414	0.0809	36	276	294	CSSHLNEHMIHTGEKTH R					Mascot
2283.0579	2283.1443	0.0864	38	227	245	HQMIHTGEKPYKCSHCD LR					Mascot
2283.0579	2283.1443	0.0864	38	227	245	HQMIHTGEKPYKCSHCD LR					Mascot
2298.0906	2298.1453	0.0547	24	478	496	LHQHVHTGVREFVCFEC EK					Mascot

6 mitochondrial import inner membrane translocase subunit TIM14 [Danio rerio] gi|41152151 12425.5 10.16 6 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
987.5469	987.5167	-0.0302	-31	107	115	DLLDGQAKK					Mascot
987.5469	987.5167	-0.0302	-31	107	115	DLLDGQAKK					Mascot
1007.458	1007.4591	0.0011	1	42	50	SAFGSGYYR					Mascot
1399.7791	1399.6824	-0.0967	-69	61	74	EASLILGSPTANK					Mascot
1924.9983	1924.9486	-0.0497	-26	1	20	MASTMVAVGLTLAAAGFTGR					Mascot
1953.0375	1952.9709	-0.0666	-34	84	101	LMILNHPDRGGSPYLAAGFTGR					Mascot
2283.2278	2283.1443	-0.0835	-37	2	24	ASTMVAVGLTLAAAGFTGRYAVR					Mascot
2283.2278	2283.1443	-0.0835	-37	2	24	ASTMVAVGLTLAAAGFTGRYAVR					Mascot

7 novel protein [Danio rerio] gi|94733366 36191.6 9.32 11 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4798	864.4702	-0.0096	-11	292	298	HRSVHTK					Mascot
987.5621	987.5167	-0.0454	-46	198	206	TFITAGHLK					Mascot
987.5621	987.5167	-0.0454	-46	198	206	TFITAGHLK					Mascot
1007.392	1007.4591	0.0671	67	19	26	MSDPEPCR			Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot
1019.4397	1019.5233	0.0836	82	273	281	THKCDQCGK					Mascot
1047.5681	1047.5	-0.0681	-65	10	18	QSLKDKSEK					Mascot
1625.8428	1625.7368	-0.106	-65	294	307	SVHTKEKPPSCSLR			Carbamidomethyl (C)[11]		Mascot
1961.8956	1961.9539	0.0583	30	155	170	VHTNEKPYSCPECGKR			Carbamidomethyl (C)[10,13]		Mascot
2071.9551	2072.0278	0.0727	35	77	94	CFTCTLCGKGFSYNRPFK					Mascot
2118.9958	2119.0757	0.0799	38	239	256	VHTGEKPFACHTCGKSF			Carbamidomethyl (C)[10,13]		Mascot
2211.0798	2211.0659	-0.0139	-6	151	169	IHLRVHTNEKPYSCPECGK					Mascot
2298.0906	2298.1453	0.0547	24	179	197	LHQHVHTGVREFVCFCEK					Mascot

8 RecName: Full=Serine/arginine repetitive matrix protein 4; AltName: Full=Neural-specific serine/arg gi|281312156 65482.9 11.48 11 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	875.458	875.4468	-0.0112	-13	347	354	LKGEESGR						Mascot
	970.3716	970.491	0.1194	123	188	195	SSSCMENR				Carbamidomethyl (C)[4]		Mascot
	1007.5228	1007.4591	-0.0637	-63	388	396	SRSISSQSR						Mascot
	1047.4346	1047.5	0.0654	62	454	461	YCSSCKSR				Carbamidomethyl (C)[2,5]		Mascot
	1456.7166	1456.6481	-0.0685	-47	45	57	LETPVGPKDDEEK						Mascot
	1467.6724	1467.726	0.0536	37	535	546	SRSHSHYSSYR						Mascot
	1662.9326	1662.7861	-0.1465	-88	509	522	SSSILSWRLFPLTR						Mascot
	2071.8994	2072.0278	0.1284	62	229	246	ISSKCCCHFSESTVSPSR				Carbamidomethyl (C)[5,6]		Mascot
	2119.0876	2119.0757	-0.0119	-6	247	267	SGVEGLSKVVIVQNSESS DGK						Mascot
	2155.9739	2155.9233	-0.0506	-23	270	290	ADYDSGNDTSSPPSSKT GITR						Mascot
	2300.0105	2300.1404	0.1299	56	233	254	CCCHFSESTVSPSRSGV EGLSK						Mascot

9 PREDICTED: clathrin light chain B-like isoform 2 [Danio rerio] gi|326673837 23720.3 4.55 7 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
836.397	836.3209	-0.0761	-91	182	188	LCDFNPK					Mascot
875.437	875.4468	0.0098	11	108	113	WREEQK					Mascot
1062.634	1062.674	0.04	38	199	207	MRSVLISLK			Oxidation (M)[1]		Mascot
1467.9258	1467.726	-0.1998	-136	201	213	SVLISLKQTPLLR					Mascot
1952.8807	1952.9709	0.0902	46	137	151	ELEDWHIHQTEQMEK					Mascot
2096.9707	2097.0923	0.1216	58	136	151	KELEDWHIHQTEQMEK			Oxidation (M)[14]		Mascot
2096.9707	2097.0923	0.1216	58	136	151	KELEDWHIHQTEQMEK			Oxidation (M)[14]		Mascot
2211.0134	2211.0659	0.0525	24	137	153	ELEDWHIHQTEQMEKNK			Oxidation (M)[13]		Mascot

10 PREDICTED: phenylserine dehydratase-like [Danio rerio] gi|326673212 49208.8 7.51 11 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1092.6663	1092.5464	-0.1199	-110	185	194	GVLYLLSSLK					Mascot
1456.6591	1456.6481	-0.011	-8	81	93	DFGAEEYLNGDVK					Mascot
1472.7817	1472.6449	-0.1368	-93	160	171	LSKQYGM EIY LK					Mascot
1472.7817	1472.6449	-0.1368	-93	160	171	LSKQYGM EIY LK					Mascot
1578.7621	1578.7957	0.0336	21	418	431	FTVQLADWPGDMAK					Mascot
1796.896	1796.6711	-0.2249	-125	145	159	LQQSSLQKTPCTYSR			Carbamidomethyl (C)[11]		Mascot

	1952.9357	1952.9709	0.0352	18	415	431	VCRFTVQLADWPGDMAK					Oxidation (M)[15]	Mascot
	2104.1582	2103.949	-0.2092	-99	300	322	LDVVVPAGGHCGLLAG TAAAIK						Mascot
	2193.8818	2194.0471	0.1653	75	22	39	GFSDCEEYDPFWQSAEQ R						Mascot
	2230.0332	2230.1414	0.1082	49	268	287	ENGYLCLEEDDSAVYLA GLR						Mascot
	2284.0774	2284.1365	0.0591	26	243	263	DYGAMVISYGSTARDSIN HAR						Mascot
	2298.1626	2298.1453	-0.0173	-8	124	144	SSTPPAPEHLRFQDISAA AFR						Mascot
	2300.0723	2300.1404	0.0681	30	243	263	DYGAMVISYGSTARDSIN HAR					Oxidation (M)[5]	Mascot
11	PREDICTED: mitochondrial ribonuclease P protein 3-like [Danio rerio]					gi 292623047	66491.7	8.72	12	40	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.477	842.4943	0.0173	21	389	395	SFKSFVK					Mascot
848.4446	848.5095	0.0649	76	572	577	WLCLTR			Carbamidomethyl (C)[3]		Mascot
870.4211	870.5259	0.1048	120	1	8	MGFVAMSK					Mascot
970.4601	970.491	0.0309	32	447	453	HSRNWDR					Mascot
1007.5012	1007.4591	-0.0421	-42	142	149	VMMENLVR			Oxidation (M)[2]		Mascot
1165.5592	1165.7224	0.1632	140	226	235	EAISMLQDMK					Mascot
1165.5592	1165.7224	0.1632	140	226	235	EAISMLQDMK					Mascot
1683.7933	1683.7981	0.0048	3	93	107	HKSGLDTENDTTPVR					Mascot
1815.9058	1815.8549	-0.0509	-28	366	381	HNVMEKVIEGGDVFNK					Mascot
2119.009	2119.0757	0.0667	31	244	263	NYGDVIAGAVLHGDSETS WK					Mascot
2230.1628	2230.1414	-0.0214	-10	65	85	GFTPRTRPAFPHSVFSA GAAR					Mascot
2297.2751	2297.1523	-0.1228	-53	159	178	SLLSYVVQDKGTLSEILL R					Mascot
3387.8667	3387.6663	-0.2004	-59	412	442	MLPHAAQSETLLAVVSEL EQQLNILLVLRK					Mascot

12	PREDICTED: zinc finger protein 420 isoform 1 [Danio rerio]					gi 326678084	37946.4	9.32	11	40	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4798	864.4702	-0.0096	-11	309	315	HRSVHTK					Mascot
987.5621	987.5167	-0.0454	-46	215	223	TFITAGHLK					Mascot
987.5621	987.5167	-0.0454	-46	215	223	TFITAGHLK					Mascot

1007.392	1007.4591	0.0671	67	36	43	MSDPEPCR	Carbamidomethyl (C)[7], Oxidation (M)[1]	Mascot
1019.4397	1019.5233	0.0836	82	290	298	THKCDQCGK		Mascot
1047.5681	1047.5	-0.0681	-65	27	35	QSLLDSEK		Mascot
1625.8428	1625.7368	-0.106	-65	311	324	SVHTKEKPPSCSLR	Carbamidomethyl (C)[11]	Mascot
1961.8956	1961.9539	0.0583	30	172	187	VHTNEKPYSCECGKR	Carbamidomethyl (C)[10,13]	Mascot
2071.9551	2072.0278	0.0727	35	94	111	CFTCTLCGKGFSYNRPF K		Mascot
2118.9958	2119.0757	0.0799	38	256	273	VHTGEKPFACHTCGKSF R	Carbamidomethyl (C)[10,13]	Mascot
2211.0798	2211.0659	-0.0139	-6	168	186	IHLRVHTNEKPYSCECG K		Mascot
2298.0906	2298.1453	0.0547	24	196	214	LHQHVHTGVREFVCFEC EK		Mascot

13 PREDICTED: proto-oncogene DBL-like [Danio rerio] gi|326671273 124312.6 6.3 15 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
823.4494	823.399	-0.0504	-61	485	491	MVSIAFR					Mascot
850.4199	850.5258	0.1059	125	151	157	SVMREGR			Oxidation (M)[3]		Mascot
850.4199	850.5258	0.1059	125	151	157	SVMREGR			Oxidation (M)[3]		Mascot
1007.4938	1007.4591	-0.0347	-34	147	154	DDIRSVMR			Oxidation (M)[7]		Mascot
1047.5503	1047.5	-0.0503	-48	1071	1079	CGKDDVLIK			Carbamidomethyl (C)[1]		Mascot
1165.6462	1165.7224	0.0762	65	96	106	TAIESFAVTVK					Mascot
1165.6462	1165.7224	0.0762	65	96	106	TAIESFAVTVK					Mascot
1279.6398	1279.7505	0.1107	87	865	874	DMARFKPMQR					Mascot
1472.6144	1472.6449	0.0305	21	754	765	QCSDSAFIQECK			Carbamidomethyl (C)[2,11]		Mascot
1472.6144	1472.6449	0.0305	21	754	765	QCSDSAFIQECK			Carbamidomethyl (C)[2,11]		Mascot
1578.7217	1578.7957	0.074	47	618	629	KIEVMHDYEENR			Oxidation (M)[5]		Mascot
1683.9152	1683.7981	-0.1171	-70	875	887	HLFLHERALLFCK			Carbamidomethyl (C)[12]		Mascot
1866.0192	1865.8141	-0.2051	-110	462	479	RVTAANVLTGQLGSPEP R					Mascot
1866.0192	1865.8141	-0.2051	-110	462	479	RVTAANVLTGQLGSPEP R					Mascot
2072.0618	2072.0278	-0.034	-16	158	177	QLLSNLEASKAVEGAAAE DR					Mascot
2121.0137	2121.1003	0.0866	41	906	924	HCLMMSAVGITENVKGD VK			Carbamidomethyl (C)[2], Oxidation (M)[4,5]		Mascot
2233.1282	2233.0454	-0.0828	-37	709	727	IFLQDLESCLETPEVGA R			Carbamidomethyl (C)[9]		Mascot
2306.3079	2306.1123	-0.1956	-85	463	484	VTAANVLTGQLGSPEPRL LIEK					Mascot
3387.6091	3387.6663	0.0572	17	376	406	SNLDILNLEFQAVLTPQL QGMGMGCGYSPMK			Oxidation (M)[21,23]		Mascot

14 PREDICTED: clathrin light chain B-like isoform 1 [Danio rerio] gi|326673839 25713.3 4.57 7 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
836.397	836.3209	-0.0761	-91	200	206	LCDFNPK					Mascot
875.437	875.4468	0.0098	11	108	113	WREEQK					Mascot
1062.634	1062.674	0.04	38	217	225	MRSVLISLK			Oxidation (M)[1]		Mascot
1467.9258	1467.726	-0.1998	-136	219	231	SVLISLKQTPLLR					Mascot
1952.8807	1952.9709	0.0902	46	137	151	ELEDWHIHQTEQMEK					Mascot
2096.9707	2097.0923	0.1216	58	136	151	KELEDWHIHQTEQMEK			Oxidation (M)[14]		Mascot
2096.9707	2097.0923	0.1216	58	136	151	KELEDWHIHQTEQMEK			Oxidation (M)[14]		Mascot
2211.0134	2211.0659	0.0525	24	137	153	ELEDWHIHQTEQMEKNK			Oxidation (M)[13]		Mascot

15 PREDICTED: pericentrin [Danio rerio] gi|326668478 491858 4.98 30 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
836.3818	836.3209	-0.0609	-73	3557	3563	CSLEAEK			Carbamidomethyl (C)[1]		Mascot
842.4995	842.4943	-0.0052	-6	15	21	AKLAHFR					Mascot
850.4087	850.5258	0.1171	138	2129	2136	TPSSMTAR					Mascot
850.4087	850.5258	0.1171	138	2129	2136	TPSSMTAR					Mascot
853.3897	853.3448	-0.0449	-53	27	34	SESSSTQK					Mascot
864.3581	864.4702	0.1121	130	1982	1988	EESDQEK					Mascot
875.458	875.4468	-0.0112	-13	2850	2857	SLGEERGK					Mascot
882.5155	882.5498	0.0343	39	3606	3612	SEIHKLR					Mascot
987.5105	987.5167	0.0062	6	2715	2722	QAEIEELR	10	0			Mascot
987.5105	987.5167	0.0062	6	2715	2722	QAEIEELR					Mascot
1007.4904	1007.4591	-0.0313	-31	427	434	HLQEEHSK					Mascot
1019.5189	1019.5233	0.0044	4	3623	3631	QTCLQAVEK					Mascot
1022.4935	1022.4899	-0.0036	-4	3557	3565	CSLEAEKSR					Mascot
1045.4908	1045.5457	0.0549	53	1472	1480	QAEAEVNER					Mascot
1294.646	1294.5033	-0.1427	-110	4205	4216	MYTSPVLGAAER					Mascot
1371.7842	1371.6129	-0.1713	-125	1989	2000	AVALEELEKTLR					Mascot
1399.6079	1399.6824	0.0745	53	3995	4007	SSAVTEECMVSEK					Mascot
1456.6294	1456.6481	0.0187	13	3995	4007	SSAVTEECMVSEK			Carbamidomethyl (C)[8]		Mascot
1472.6243	1472.6449	0.0206	14	3995	4007	SSAVTEECMVSEK			Carbamidomethyl (C)[8], Oxidation (M)[9]		Mascot
1472.6243	1472.6449	0.0206	14	3995	4007	SSAVTEECMVSEK			Carbamidomethyl (C)[8], Oxidation (M)[9]		Mascot

		1475.7271	1475.6984	-0.0287	-19	2723	2734	SILVERLQCDQER						Mascot
		1556.7485	1556.7091	-0.0394	-25	1515	1526	EQLRQMEETHQK						Mascot
		1578.7845	1578.7957	0.0112	7	3312	3323	LDAHFVEYLRCR			Carbamidomethyl (C)[11]			Mascot
		1587.8047	1587.8539	0.0492	31	1603	1616	SLEQCESPQVVALK			Carbamidomethyl (C)[4]			Mascot
		1625.901	1625.7368	-0.1642	-101	1954	1966	QRLHFLLEEALLK						Mascot
		1662.8195	1662.7861	-0.0334	-20	310	323	NSQRAQEQUEAFQK						Mascot
		1683.8007	1683.7981	-0.0026	-2	1617	1631	QKLQAQYDGEMSAAK			Oxidation (M)[11]			Mascot
		1815.9633	1815.8549	-0.1084	-60	358	372	VELNQEMVRDLNLVK			Oxidation (M)[7]			Mascot
		1923.0294	1922.9604	-0.069	-36	1326	1341	VTEESHREEIALQLR						Mascot
		2071.9573	2072.0278	0.0705	34	2788	2804	QQRASEESLCQELNSHR			Carbamidomethyl (C)[10]			Mascot
		2103.9243	2103.949	0.0247	12	3990	4007	MEQVKSSAVTEECMVSE K			Carbamidomethyl (C)[13], Oxidation (M)[1,14]			Mascot
		2156.0002	2155.9233	-0.0769	-36	441	459	ELLSQAQSQYSDSPHNH SK						Mascot
		2247.1404	2247.0593	-0.0811	-36	3304	3321	LEENTERLDAHFVEYLR						Mascot
		2284.1013	2284.1365	0.0352	15	3955	3974	ENSEFSECLAALSEEKISL K			Carbamidomethyl (C)[8]			Mascot
		2300.0935	2300.1404	0.0469	20	3545	3563	LQQEQTQSHDLRCSLEA EK			Carbamidomethyl (C)[13]			Mascot
16	novel protein similar to H.sapiens DOK7, docking protein 7 (DOK7) [Danio rerio]					gi 220676956		42560.3	7.12	3	37	0	30	71.498

18 cullin 3b [Danio rerio] gi|299523039 88726.4 8.68 15 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
875.4217	875.4468	0.0251	29	691	697	QKVDDDR					Mascot
1022.5298	1022.4899	-0.0399	-39	1	10	MSNLSKGGTK					Mascot
1045.4908	1045.5457	0.0549	53	679	687	QGSDPERK					Mascot
1092.5507	1092.5464	-0.0043	-4	59	67	NAYTMVLHK			Oxidation (M)[5]		Mascot
1165.6688	1165.7224	0.0536	46	698	707	KHEIEAAIVR					Mascot
1165.6688	1165.7224	0.0536	46	698	707	KHEIEAAIVR					Mascot
1399.7225	1399.6824	-0.0401	-29	414	424	AMVLFRFMQEK					Mascot
1556.7703	1556.7091	-0.0612	-39	46	58	KNNSGLSFEELYR					Mascot
1578.6411	1578.7957	0.1546	98	475	487	DMSISNTTMDDEFK			Oxidation (M)[2,9]		Mascot
1796.7715	1796.6711	-0.1004	-56	569	586	EDGSDMVGGAQVTGSN			Oxidation (M)[6]		Mascot
						TR					
1924.8665	1924.9486	0.0821	43	569	587	EDGSDMVGGAQVTGSN			Oxidation (M)[6]		Mascot
						TRK					
1962.0082	1961.9539	-0.0543	-28	180	197	GAIRNACQMLMILGLEGR			Oxidation (M)[9]		Mascot
2097.0654	2097.0923	0.0269	13	271	288	HMKTIVEMENSGLVHML					Mascot
						K					
2097.0654	2097.0923	0.0269	13	271	288	HMKTIVEMENSGLVHML					Mascot
						K					
2194.1423	2194.0471	-0.0952	-43	401	419	GLTEQEVESILDKAMVLF			Oxidation (M)[15]		Mascot
						R					
2230.1978	2230.1414	-0.0564	-25	28	45	YVNNIWDLLKNAIQEIQR					Mascot
2306.2148	2306.1123	-0.1025	-44	588	606	HILQVSTFQMTILMLFNN					Mascot
						R					

19 mitogen-activated protein kinase 1 [Danio rerio] gi|40254655 42048.5 6.32 8 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4362	864.4702	0.034	39	363	369	FQPGYRP					Mascot
987.508	987.5167	0.0087	9	302	309	MLTFNPHK					Mascot
987.508	987.5167	0.0087	9	302	309	MLTFNPHK					Mascot
1467.7512	1467.726	-0.0252	-17	204	216	APEIMLNSKGYTK			Oxidation (M)[5]		Mascot
1578.8373	1578.7957	-0.0416	-26	350	362	ETLKELIFEETAR					Mascot
1952.9865	1952.9709	-0.0156	-8	354	369	ELIFEETARFQPGYRP					Mascot
2156.0222	2155.9233	-0.0989	-46	1	24	MATAAVSAPAGGGPNPG					Mascot
						SGAEMVR					
2246.9844	2247.0593	0.0749	33	34	54	YSNLSYIGGGAYGMVCS					Mascot
						AYDR					
3387.7842	3387.6663	-0.1179	-35	241	270	HYLDQLNHILGILGPSQ					Mascot

20 vasa-like protein [Danio rerio] EDLNCIINIKAR
gi|19482136 76747.5 5.53 12 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
823.4168	823.399	-0.0178	-22	106	113	GGFRSGSR					Mascot
853.4426	853.3448	-0.0978	-115	197	204	GFGRGGR					Mascot
882.4315	882.5498	0.1183	134	678	685	VFASTDSR					Mascot
970.4913	970.491	-0.0003	0	531	538	TMVFEVK			Oxidation (M)[2]		Mascot
1371.5742	1371.6129	0.0387	28	439	449	MLDMGFPEMR			Oxidation (M)[1]		Mascot
1467.7325	1467.726	-0.0065	-4	207	219	NEEVFSKVTTADK					Mascot
1472.709	1472.6449	-0.0641	-44	540	552	SADFIATFLCQEK					Mascot
1472.709	1472.6449	-0.0641	-44	540	552	SADFIATFLCQEK					Mascot
1815.8582	1815.8549	-0.0033	-2	464	478	QTLMFSAITYPEIQR			Oxidation (M)[4]		Mascot
1865.7532	1865.8141	0.0609	33	80	97	SEIDENGSDGGWNGGES R					Mascot
1865.7532	1865.8141	0.0609	33	80	97	SEIDENGSDGGWNGGES R					Mascot
1951.9952	1951.9774	-0.0178	-9	403	420	GCNVLCATPGRHLHLGR			Carbamidomethyl (C)[2]		Mascot
2230.0444	2230.1414	0.097	43	461	478	EERQTLMFSAITYPEIQR			Oxidation (M)[7]		Mascot
3387.5969	3387.6663	0.0694	20	259	289	YDDILVDVSGSNPPKAIM TFEEAGLCDSLSK			Carbamidomethyl (C)[26], Oxidation (M)[18]		Mascot

21 PREDICTED: neuronal acetylcholine receptor subunit beta-2-like [Danio rerio] gi|292620953 51265.9 5.66 9 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
987.4564	987.5167	0.0603	61	315	323	SPSTHSMPK			Oxidation (M)[7]		Mascot
987.4564	987.5167	0.0603	61	315	323	SPSTHSMPK			Oxidation (M)[7]		Mascot
1062.5652	1062.674	0.1088	102	2	9	EMLYLHLK			Oxidation (M)[2]		Mascot
1467.6566	1467.726	0.0694	47	407	419	CSADMEEAVKGVK			Carbamidomethyl (C)[1], Oxidation (M)[5]		Mascot
1587.6454	1587.8539	0.2085	131	82	93	LMWDPEEYEGMR			Oxidation (M)[2,11]		Mascot
1683.7505	1683.7981	0.0476	28	82	94	LMWDPEEYEGMRK					Mascot
1815.8483	1815.8549	0.0066	4	151	164	DFPFDQQNCTLKFR			Carbamidomethyl (C)[9]		Mascot
1952.9535	1952.9709	0.0174	9	147	162	IEVRDFPFDQQNCTLK					Mascot
2230.3857	2230.1414	-0.2443	-110	256	275	ITLCISVLLALTIVLLLSK			Carbamidomethyl (C)[4]		Mascot
2297.2822	2297.1523	-0.1299	-57	43	63	SQQVTIAIQVSLAQLISVN ER					Mascot

22 Lad1 protein [Danio rerio] gi|115528644 50936.1 6 9 36 0

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
882.5155	882.5498	0.0343	39	109	115 HVETLRK						Mascot
987.4602	987.5167	0.0565	57	188	196 SQTHSNASR						Mascot
987.4602	987.5167	0.0565	57	188	196 SQTHSNASR						Mascot
1047.5793	1047.5	-0.0793	-76	339	347 LSSRSIQEK						Mascot
1092.5354	1092.5464	0.011	10	369	378 TVCLADEVSR						Mascot
1796.9324	1796.6711	-0.2613	-145	363	378 SPVVHKTVCLADEVSR			Carbamidomethyl (C)[9]			Mascot
1815.8242	1815.8549	0.0307	17	118	133 EEGEEGEKDILDAEPR						Mascot
2071.9568	2072.0278	0.071	34	155	173 NIFSPEPPTNSTDTETHG K						Mascot
2104.0669	2103.949	-0.1179	-56	420	438 TFNISSSPTDLRHVDISSK						Mascot
2230.1497	2230.1414	-0.0083	-4	1	20 HTSLQPSSTLENTIMSISR K						Mascot
23	cullin-1 [Danio rerio]				gi 45433528	89971.2	8.19	13	36	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
823.409	823.399	-0.01	-12	35	41 QSMAKSR			Oxidation (M)[3]			Mascot
836.3566	836.3209	-0.0357	-43	149	155 ECDEGRK						Mascot
864.4825	864.4702	-0.0123	-14	223	230 GPTLSVYK						Mascot
882.4501	882.5498	0.0997	113	323	329 MYNLVSR						Mascot
987.5331	987.5167	-0.0164	-17	466	473 FYAKMLAK			Oxidation (M)[5]			Mascot
987.5331	987.5167	-0.0164	-17	466	473 FYAKMLAK			Oxidation (M)[5]			Mascot
996.6564	996.5763	-0.0801	-80	710	718 LLIQAAIVR						Mascot
996.6564	996.5763	-0.0801	-80	710	718 LLIQAAIVR						Mascot
1399.6865	1399.6824	-0.0041	-3	567	578 FTAFYASRHSGR						Mascot
1456.7325	1456.6481	-0.0844	-58	1	13 MSSNRTQTPHGLK						Mascot
1472.7274	1472.6449	-0.0825	-56	1	13 MSSNRTQTPHGLK			Oxidation (M)[1]			Mascot
1472.7274	1472.6449	-0.0825	-56	1	13 MSSNRTQTPHGLK			Oxidation (M)[1]			Mascot
1587.7584	1587.8539	0.0955	60	495	507 QACGFEYTSKLQR			Carbamidomethyl (C)[3]			Mascot
1683.9104	1683.7981	-0.1123	-67	156	169 GIYEIYSLALVTWR						Mascot
2072.0005	2072.0278	0.0273	13	248	264 ESTEFLQQNPVTEYMKK						Mascot
2152.126	2152.0601	-0.0659	-31	580	597 LTWLYHLSKGELVTNCFK						Mascot
2152.126	2152.0601	-0.0659	-31	580	597 LTWLYHLSKGELVTNCFK						Mascot
2247.075	2247.0593	-0.0157	-7	378	398 YNALVMSAFNNDAGFVA			Oxidation (M)[6]			Mascot

24 probable ATP-dependent RNA helicase DDX4 [Danio rerio] ALDK gi|18859541 76956.6 5.64 12 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
823.4168	823.399	-0.0178	-22	106	113	GGFRSGSR					Mascot
853.4426	853.3448	-0.0978	-115	198	205	GFGRGGFR					Mascot
882.4315	882.5498	0.1183	134	679	686	VFASTDSR					Mascot
970.4913	970.491	-0.0003	0	532	539	TMVFEVK			Oxidation (M)[2]		Mascot
1371.5742	1371.6129	0.0387	28	440	450	MLDMGFEPEMR			Oxidation (M)[1]		Mascot
1467.7325	1467.726	-0.0065	-4	208	220	NEEVFSKVTADK					Mascot
1472.709	1472.6449	-0.0641	-44	541	553	SADFIATFLCQEK					Mascot
1472.709	1472.6449	-0.0641	-44	541	553	SADFIATFLCQEK					Mascot
1815.8582	1815.8549	-0.0033	-2	465	479	QTLMFSAITYPEDIQR			Oxidation (M)[4]		Mascot
1865.7532	1865.8141	0.0609	33	80	97	SEIDENGSDGGWNGGES R					Mascot
1865.7532	1865.8141	0.0609	33	80	97	SEIDENGSDGGWNGGES R					Mascot
1951.9952	1951.9774	-0.0178	-9	404	421	GCVNLCATPGRHLHLGR			Carbamidomethyl (C)[2]		Mascot
2230.0444	2230.1414	0.097	43	462	479	EERQTLMFSAITYPEDIQR			Oxidation (M)[7]		Mascot
3387.5969	3387.6663	0.0694	20	260	290	YDDLVDVSGSNPPKAIM TFEEAGLCDSLK			Carbamidomethyl (C)[26], Oxidation (M)[18]		Mascot

25 truncated RAF1 [Danio rerio] gi|41224402 32290.4 9.5 7 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4791	882.5498	0.0707	80	215	222	IPSSSVHR					Mascot
987.5006	987.5167	0.0161	16	2	9	EQLQGAWR	8	0			Mascot
987.5006	987.5167	0.0161	16	2	9	EQLQGAWR					Mascot
1045.452	1045.5457	0.0937	90	165	172	FHEHCSTK			Carbamidomethyl (C)[5]		Mascot
1371.7855	1371.6129	-0.1726	-126	50	60	TIRVFLPNQQR					Mascot
1556.7843	1556.7091	-0.0752	-48	19	32	DSVFESSYVSPVIK					Mascot
1925.0459	1924.9486	-0.0973	-51	61	77	TVVNVVRPGMTLHSLIK			Carbamidomethyl (C)[14]		Mascot
2097.0481	2097.0923	0.0442	21	81	99	VRGLQPECCAVFSLHPG QR					Mascot
2097.0481	2097.0923	0.0442	21	81	99	VRGLQPECCAVFSLHPG QR					Mascot
2211.0908	2211.0659	-0.0249	-11	81	99	VRGLQPECCAVFSLHPG QR			Carbamidomethyl (C)[8,9]		Mascot

26 PREDICTED: protein tyrosine phosphatase type IVA 3 [Danio rerio] gi|125840045 19894.2 8.99 6 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1399.6886	1399.6824	-0.0062	-4	44	55	TVVRVCESTYDK					Mascot
1456.7101	1456.6481	-0.062	-43	44	55	TVVRVCESTYDK			Carbamidomethyl (C)[6]		Mascot
1467.8604	1467.726	-0.1344	-92	111	125	APVLVAVALIEGGMK					Mascot
2071.9729	2072.0278	0.0549	26	2	18	AWLNGLYPVEVCYNMR			Carbamidomethyl (C)[12]		Mascot
2096.9746	2097.0923	0.1177	56	61	79	HGITVMDWPFDDGAPPP TK			Oxidation (M)[6]		Mascot
2096.9746	2097.0923	0.1177	56	61	79	HGITVMDWPFDDGAPPP TK			Oxidation (M)[6]		Mascot
2120.9309	2121.1003	0.1694	80	91	110	SFSEDPGCCVAVHCVAG LGR			Carbamidomethyl (C)[8,9]		Mascot
2306.0474	2306.1123	0.0649	28	90	110	KSFSEDPGCCVAVHCVA GLGR			Carbamidomethyl (C)[9,10,15]		Mascot

27 vasa-like protein [Danio rerio] gi|19309904 76832.5 5.57 12 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
823.4168	823.399	-0.0178	-22	105	112	GGFRSGSR					Mascot
853.4426	853.3448	-0.0978	-115	197	204	GFGRGGFR					Mascot
882.4315	882.5498	0.1183	134	678	685	VFASTDSR					Mascot
970.4913	970.491	-0.0003	0	531	538	TMVFEVK			Oxidation (M)[2]		Mascot
1371.5742	1371.6129	0.0387	28	439	449	MLDMGFEPEMR			Oxidation (M)[1]		Mascot
1467.7325	1467.726	-0.0065	-4	207	219	NEEVFSKVTADK					Mascot
1472.709	1472.6449	-0.0641	-44	540	552	SADFIATFLCQEK					Mascot
1472.709	1472.6449	-0.0641	-44	540	552	SADFIATFLCQEK					Mascot
1815.8582	1815.8549	-0.0033	-2	464	478	QTLMFSAITYPEIQR			Oxidation (M)[4]		Mascot
1865.7532	1865.8141	0.0609	33	79	96	SEIDENGSDGGWNGGES R					Mascot
1865.7532	1865.8141	0.0609	33	79	96	SEIDENGSDGGWNGGES R					Mascot
1951.9952	1951.9774	-0.0178	-9	403	420	GCNVLCATPGRHLHLGR			Carbamidomethyl (C)[2]		Mascot
2230.0444	2230.1414	0.097	43	461	478	EERQTLMFSAITYPEIQR			Oxidation (M)[7]		Mascot
3387.5969	3387.6663	0.0694	20	259	289	YDDILVDVSGSNPPKAIM TFEAGLCDSLK			Carbamidomethyl (C)[26], Oxidation (M)[18]		Mascot

28 PREDICTED: interleukin-1 receptor-like 2-like [Danio rerio] gi|326670867 62378.6 7.52 5 35 0 25 16.656

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	823.3614	823.399	0.0376	46	357	364 SVACSDGK			Carbamidomethyl (C)[4]		Mascot
	850.4338	850.5258	0.092	108	540	547 KGTDSMVL					Mascot
	850.4338	850.5258	0.092	108	540	547 KGTDSMVL					Mascot
	864.4308	864.4702	0.0394	46	128	135 DELTSTAK					Mascot
	987.537	987.5167	-0.0203	-21	507	514 TQGILNWR	25	16.656			Mascot
	987.537	987.5167	-0.0203	-21	507	514 TQGILNWR					Mascot
	2156.1379	2155.9233	-0.2146	-100	430	449 LIILTSQSCSSPQKHASD K					Mascot

29 neural orphan nuclear receptor Nur77 [Danio rerio] gi|47060283 63776.2 5.79 10 35 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	836.4368	836.3209	-0.1159	-139	299	306 CLAVGMVK			Oxidation (M)[6]		Mascot
	882.5519	882.5498	-0.0021	-2	319	326 GRGPSKPK					Mascot
	1019.5302	1019.5233	-0.0069	-7	546	554 TLCTQGLQR					Mascot
	1062.5248	1062.674	0.1492	140	31	39 LAMDVTEQR					Mascot
	1467.697	1467.726	0.029	20	273	285 YVCLANKDCPVDK					Mascot
	1578.7145	1578.7957	0.0812	51	431	443 FIYAFMSNPETDK			Oxidation (M)[6]		Mascot
	1683.925	1683.7981	-0.1269	-75	546	559 TLCTQGLQRIFYLK					Mascot
	1796.7261	1796.6711	-0.055	-31	239	254 CAVCGDNASCQHYGVR			Carbamidomethyl (C)[1,4]		Mascot
	1924.9835	1924.9486	-0.0349	-18	519	536 DHVSTSALEVGRPNLS R					Mascot
	3337.5066	3337.7131	0.2065	62	2	30 TCVQSQHGVQSYESSLF SSEFLNPDTSR			Carbamidomethyl (C)[2]		Mascot

30 PREDICTED: interferon-induced very large GTPase 1-like [Danio rerio] gi|326665761 191677.2 6.42 21 34 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	842.473	842.4943	0.0213	25	920	927 SIISHASK					Mascot
	848.4413	848.5095	0.0682	80	975	980 WSWTLR					Mascot
	864.4573	864.4702	0.0129	15	163	169 DAFKQKQK					Mascot
	875.4217	875.4468	0.0251	29	1199	1205 EDQSQIR					Mascot
	970.5679	970.491	-0.0769	-79	919	927 KSIISHASK					Mascot
	1019.5554	1019.5233	-0.0321	-31	1128	1135 IKDIDIMR			Oxidation (M)[7]		Mascot
	1022.5121	1022.4899	-0.0222	-22	529	536 TEMMNIRK					Mascot

1045.5887	1045.5457	-0.043	-41	613	621	QAELEKISK							Mascot
1051.5419	1051.6937	0.1518	144	1623	1630	NLEQKYEK							Mascot
1092.5571	1092.5464	-0.0107	-10	1328	1336	EPIEQSVYK							Mascot
1456.739	1456.6481	-0.0909	-62	599	610	EQKDNNNKPELK							Mascot
1472.6937	1472.6449	-0.0488	-33	636	648	EISQIYESCSSVK							Mascot
1472.6937	1472.6449	-0.0488	-33	636	648	EISQIYESCSSVK							Mascot
1587.7948	1587.8539	0.0591	37	622	635	DLQAAAFGLEHIMR				Oxidation (M)[13]			Mascot
1625.7476	1625.7368	-0.0108	-7	870	883	DEVCDARFSDVIK							Mascot
1662.8195	1662.7861	-0.0334	-20	509	522	NKELHRPQGDEPDK							Mascot
1865.8956	1865.8141	-0.0815	-44	1578	1592	QFLESDFSFPYKDYK							Mascot
1865.8956	1865.8141	-0.0815	-44	1578	1592	QFLESDFSFPYKDYK							Mascot
2152.0544	2152.0601	0.0057	3	492	508	ESFLPHQGKLWHQWCQ K							Mascot
2152.0544	2152.0601	0.0057	3	492	508	ESFLPHQGKLWHQWCQ K							Mascot
2194.0129	2194.0471	0.0342	16	198	216	IDPMDVQMAVFHCADGF LK				Carbamidomethyl (C)[13]			Mascot
2225.1033	2225.0793	-0.024	-11	293	310	SHLMNSLINEKHNTFFHR							Mascot
2225.1033	2225.0793	-0.024	-11	293	310	SHLMNSLINEKHNTFFHR							Mascot
2230.0444	2230.1414	0.097	43	170	190	TDTGSTSHGGDIFKAMSL YNK							Mascot
3337.7024	3337.7131	0.0107	3	387	414	IIQELFTNPKPLICLFTEDD SNIFELER							Mascot

31 sarcosine dehydrogenase, mitochondrial [Danio rerio] gi|41055040 74649.1 6.04 11 34 0

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
823.4308	823.399	-0.0318	-39	159	164	LDEYKR						Mascot
970.5138	970.491	-0.0228	-23	16	23	QPLSPLCR				Carbamidomethyl (C)[7]		Mascot
1092.5758	1092.5464	-0.0294	-27	186	194	DLYPLMNVK						Mascot
1371.5846	1371.6129	0.0283	21	28	39	CYSSQSTHTTEK						Mascot
1399.7474	1399.6824	-0.065	-46	16	27	QPLSPLCRATTR				Carbamidomethyl (C)[7]		Mascot
1475.7853	1475.6984	-0.0869	-59	49	62	HEDGLSGPTKPLPK						Mascot
1556.7196	1556.7091	-0.0105	-7	511	524	APGSTVYTCMLNQR				Oxidation (M)[10]		Mascot
1587.7916	1587.8539	0.0623	39	11	23	AMVCRQPLSPLCR				Carbamidomethyl (C)[4,12]		Mascot
1625.8038	1625.7368	-0.067	-41	2	15	AFLGTAAWRAMVCR				Carbamidomethyl (C)[13], Oxidation (M)[11]		Mascot
1683.828	1683.7981	-0.0299	-18	1	15	MAFLGTAAWRAMVCR						Mascot
2120.9661	2121.1003	0.1342	63	581	599	CTLIDHTEDMGMISIQGP K				Oxidation (M)[10,12]		Mascot

32 synaptosome-associated protein 25a [Danio rerio] gi|55251216 22862.9 4.65 8 34 0

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	823.325	823.399	0.074	90	2	8 AEDSDMR					Mascot
	970.3604	970.491	0.1306	135	1	8 MAEDSDMR				Oxidation (M)[1]	Mascot
	1092.5605	1092.5464	-0.0141	-13	32	40 MLQLVEESK				Oxidation (M)[1]	Mascot
	1371.5676	1371.6129	0.0453	33	84	94 CCGLFICPCNK				Carbamidomethyl (C)[1,2,7]	Mascot
	1475.6335	1475.6984	0.0649	44	84	96 CCGLFICPCNKMK				Oxidation (M)[12]	Mascot
	1662.8003	1662.7861	-0.0142	-9	46	59 TLVMLDEQGEQLDR				Oxidation (M)[4]	Mascot
	1924.8124	1924.9486	0.1362	71	2	17 AEDSDMRNELADMQQR				Oxidation (M)[6]	Mascot
	2071.8477	2072.0278	0.1801	87	1	17 MAEDSDMRNELADMQQR				Oxidation (M)[1,7]	Mascot
33	hypothetical protein LOC553738 [Danio rerio]				gi 66472320		27546.3	9.57	9	33	0

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	853.4413	853.3448	-0.0965	-113	223	230 FSQSGSLK					Mascot
	1047.6097	1047.5	-0.1097	-105	143	150 SFLKFHLR					Mascot
	1165.6212	1165.7224	0.1012	87	194	203 TFLTADDLKR					Mascot
	1165.6212	1165.7224	0.1012	87	194	203 TFLTADDLKR					Mascot
	1865.9031	1865.8141	-0.089	-48	10	25 MVRTGEKPITCTQCGK				Carbamidomethyl (C)[11,14]	Mascot
	1865.9031	1865.8141	-0.089	-48	10	25 MVRTGEKPITCTQCGK				Carbamidomethyl (C)[11,14]	Mascot
	1961.8779	1961.9539	0.076	39	207	222 IHTGEKPYMCSHCDKR				Carbamidomethyl (C)[10]	Mascot
	2120.9497	2121.1003	0.1506	71	64	81 HMMIHTGERPFICTQCGK				Oxidation (M)[2,3]	Mascot
	2233.0752	2233.0454	-0.0298	-13	147	165 FHLRVHTNERPYSCSVC GK					Mascot
	2284.0168	2284.1365	0.1197	52	204	221 HQRIHTGEKPYMCSHCD K				Carbamidomethyl (C)[13,16]	Mascot
	2298.0171	2298.1453	0.1282	56	151	169 VHTNERPYSCSVC GKSC TR				Carbamidomethyl (C)[10,13,17]	Mascot
	2300.0117	2300.1404	0.1287	56	204	221 HQRIHTGEKPYMCSHCD K				Carbamidomethyl (C)[13,16], Oxidation (M)[12]	Mascot
34	immunoglobulin heavy chain variable segment 9-2 [Danio rerio]				gi 56207380		12773.2	7.57	5	33	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
1467.755	1467.726	-0.029	-20	77	90	STAQSVQGRFTASK				Mascot
1578.7581	1578.7957	0.0376	24	91	103	DSSNLYLHMNQLK			Oxidation (M)[9]	Mascot

	2097.0435	2097.0923	0.0488	23	86	103	FTASKDSSNLYLHMNQLK										Mascot
	2097.0435	2097.0923	0.0488	23	86	103	FTASKDSSNLYLHMNQLK										Mascot
	2225.03	2225.0793	0.0493	22	39	57	LSCACSGFTLRSTNMYWIR					Oxidation (M)[15]					Mascot
	2225.03	2225.0793	0.0493	22	39	57	LSCACSGFTLRSTNMYWIR					Oxidation (M)[15]					Mascot
	2233.0811	2233.0454	-0.0357	-16	58	76	QAPGKGLEWIIYYSDSDK										Mascot
35	contactin-1a precursor [Danio rerio]						gi 136256388	114246.1	6.19	13	32	0					

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	875.437	875.4468	0.0098	11	74	81	ANPPASYR					Mascot
	987.5118	987.5167	0.0049	5	383	390	GHEVRFSR					Mascot
	987.5118	987.5167	0.0049	5	383	390	GHEVRFSR					Mascot
	1045.5173	1045.5457	0.0284	27	562	569	DAQHYQRK					Mascot
	1062.5513	1062.674	0.1227	115	442	449	VVFECRPR			Carbamidomethyl (C)[5]		Mascot
	1578.8082	1578.7957	-0.0125	-8	501	516	GRANSTGSLSDATK					Mascot
	1796.9249	1796.6711	-0.2538	-141	717	735	EARPIVAPSDIGGGGTSR					Mascot
	1815.9058	1815.8549	-0.0509	-28	883	897	LDNMKPDShYLVVR					Mascot
	2071.925	2072.0278	0.1028	50	116	134	HAGNYTCVASNQYGSVTSR			Carbamidomethyl (C)[7]		Mascot
	2224.9749	2225.0793	0.1044	47	388	406	FSRLGFEDSGMYQCVAENR			Oxidation (M)[11]		Mascot
	2225.1772	2225.0793	-0.0979	-44	695	716	VIATNTLTGTPPSEPSKTTTR					Mascot
	2230.0305	2230.1414	0.1109	50	114	134	SKHAGNYTCVASNQYGSVTSR					Mascot
	2283.092	2283.1443	0.0523	23	594	614	YSCTAQTPVDNTTASAEVVVR			Carbamidomethyl (C)[3]		Mascot
	2283.092	2283.1443	0.0523	23	594	614	YSCTAQTPVDNTTASAEVVVR			Carbamidomethyl (C)[3]		Mascot
	2284.2131	2284.1365	-0.0766	-34	442	460	VVFECRPRAAPRPNITWSK			Carbamidomethyl (C)[5]		Mascot

36	WD repeat domain 8 [Danio rerio]						gi 159155126	50930.5	6.22	9	32	0					
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	853.4236	853.3448	-0.0788	-92	147	153	YMALAER					Mascot
	870.4355	870.5259	0.0904	104	2	8	NFSEVFK					Mascot
	1279.7633	1279.7505	-0.0128	-10	247	256	VRILNHITWK					Mascot
	1399.6093	1399.6824	0.0731	52	134	146	ACQKGMDFTADGR					Mascot

1456.6307	1456.6481	0.0174	12	134	146	ACQKGMDFDADGR	Carbamidomethyl (C)[2]	Mascot
1472.6256	1472.6449	0.0193	13	134	146	ACQKGMDFDADGR	Carbamidomethyl (C)[2], Oxidation (M)[6]	Mascot
1472.6256	1472.6449	0.0193	13	134	146	ACQKGMDFDADGR	Carbamidomethyl (C)[2], Oxidation (M)[6]	Mascot
1587.8013	1587.8539	0.0526	33	258	271	ITEFEHPATITNSK		Mascot
1865.8309	1865.8141	-0.0168	-9	347	361	NGNMPQSLWVWDMQK	Oxidation (M)[4,13]	Mascot
1865.8309	1865.8141	-0.0168	-9	347	361	NGNMPQSLWVWDMQK	Oxidation (M)[4,13]	Mascot
1924.9374	1924.9486	0.0112	6	71	86	GLVQVWSLEQPDWHCK		Mascot
2071.9971	2072.0278	0.0307	15	228	246	SVAWSPSSQFLAIGSYDE K		Mascot
2284.0525	2284.1365	0.084	37	155	172	DCKDYISVFVCDDWHLL R	Carbamidomethyl (C)[2]	Mascot

37 PREDICTED: hypothetical protein LOC569436 [Danio rerio]

gi|326678363 352771.2 7.92 26 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
823.3549	823.399	0.0441	54	401	407	CEQCGKR					Mascot
836.3818	836.3209	-0.0609	-73	2995	3002	LGDSGMEK					Mascot
842.4743	842.4943	0.02	24	2664	2669	HFRINR					Mascot
864.4131	864.4702	0.0571	66	603	610	LGAEMSEK					Mascot
875.4655	875.4468	-0.0187	-21	2205	2211	NIVCEK			Carbamidomethyl (C)[4]		Mascot
987.4677	987.5167	0.049	50	94	101	QTLSDHMR	7	0			Mascot
987.4677	987.5167	0.049	50	94	101	QTLSDHMR					Mascot
1047.6058	1047.5	-0.1058	-101	1369	1376	FQILQSRR					Mascot
1062.55	1062.674	0.124	117	1488	1496	NESMIDLLK					Mascot
1092.6122	1092.5464	-0.0658	-60	2545	2554	LFVGDMGILK					Mascot
1165.5483	1165.7224	0.1741	149	922	932	SKGDGPNFSEK					Mascot
1165.5483	1165.7224	0.1741	149	922	932	SKGDGPNFSEK					Mascot
1456.6962	1456.6481	-0.0481	-33	94	105	QTLSDHMRTHSK			Oxidation (M)[7]		Mascot
1467.8318	1467.726	-0.1058	-72	491	503	TFAGPENLKIHLK					Mascot
1475.647	1475.6984	0.0514	35	1333	1345	RNNENNQADDASK					Mascot
1578.703	1578.7957	0.0927	59	854	868	GDGPNFSEQQPSSTK					Mascot
1625.7523	1625.7368	-0.0155	-10	1	13	MHSAHQEEQKCIK			Carbamidomethyl (C)[11]		Mascot
1683.7512	1683.7981	0.0469	28	130	144	KHCGNAQHICDLGK			Carbamidomethyl (C)[3]		Mascot
1815.8629	1815.8549	-0.008	-4	527	541	ANYRFVNIQDVCAMR			Oxidation (M)[14]		Mascot
1865.9174	1865.8141	-0.1033	-55	53	68	HHVKPEEISLSCSQSK			Carbamidomethyl (C)[12]		Mascot
1865.9174	1865.8141	-0.1033	-55	53	68	HHVKPEEISLSCSQSK			Carbamidomethyl (C)[12]		Mascot
2120.877	2121.1003	0.2233	105	238	255	HMCIHSGEKPYACDQCG			Carbamidomethyl (C)[3,13]		Mascot

	2151.9521	2152.0601	0.108	50	131	149	K HCGNAQHICDLGKSFS FK		Carbamidomethyl (C)[2]	Mascot	
	2151.9521	2152.0601	0.108	50	131	149	HCGNAQHICDLGKSFS FK		Carbamidomethyl (C)[2]	Mascot	
	2193.8933	2194.0471	0.1538	70	238	255	HMCIHSGEKPYACDQCG K		Carbamidomethyl (C)[3,13,16], Oxidation (M)[2]	Mascot	
	2224.9797	2225.0793	0.0996	45	321	339	HHMSLHNEEKPYVCGQC GR			Mascot	
	2224.9797	2225.0793	0.0996	45	321	339	HHMSLHNEEKPYVCGQC GR			Mascot	
	2232.8818	2233.0454	0.1636	73	181	199	YHMKMHSDETAFSCEEC GK			Mascot	
	2283.2068	2283.1443	-0.0625	-27	1358	1375	TLTQMYTHFLRFQILQSR			Mascot	
	2283.2068	2283.1443	-0.0625	-27	1358	1375	TLTQMYTHFLRFQILQSR			Mascot	
	2297.144	2297.1523	0.0083	4	2728	2748	LNLSDCSISEEGYKALAS ALR		Carbamidomethyl (C)[6]	Mascot	
	2297.9961	2298.1453	0.1492	65	321	339	HHMSLHNEEKPYVCGQC GR		Carbamidomethyl (C)[14], Oxidation (M)[3]	Mascot	
	2306.1003	2306.1123	0.012	5	1875	1895	ITEDDCCVLISALNSNPSN LK		Carbamidomethyl (C)[6]	Mascot	
	3387.5833	3387.6663	0.083	25	1409	1438	LLFYEKDLIEDCGIDVSEA SVFSGMCTQIFK			Mascot	
38	PREDICTED: hypothetical protein LOC558327 [Danio rerio]					gi 326678977	53299.3	6.37	9	32	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.422	848.5095	0.0875	103	10	17	GGTQTQTR					Mascot
882.5155	882.5498	0.0343	39	132	138	HVETLRK					Mascot
987.4602	987.5167	0.0565	57	211	219	SQTHSNASR					Mascot
987.4602	987.5167	0.0565	57	211	219	SQTHSNASR					Mascot
1047.5793	1047.5	-0.0793	-76	362	370	LSSRSIQEK					Mascot
1092.5354	1092.5464	0.011	10	392	401	TVCLADEVSR					Mascot
1796.9324	1796.6711	-0.2613	-145	386	401	SPVVKHTVCLADEVSR			Carbamidomethyl (C)[9]		Mascot
1815.8242	1815.8549	0.0307	17	141	156	EEGEEGEKDILDAEPR					Mascot
2071.9568	2072.0278	0.071	34	178	196	NIFSPEPPTNSTDTETHG K					Mascot
2104.0669	2103.949	-0.1179	-56	443	461	TFNISSPTDLRHVDISSK					Mascot

39 PREDICTED: UPF0639 protein-like [Danio rerio] gi|326675781 53022.8 5.16 9 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
823.5188	823.399	-0.1198	-145	51	56	RFFIIK					Mascot
853.4413	853.3448	-0.0965	-113	69	75	KSFETNK					Mascot

	875.4468	875.4468	0	0	211	217	TEQEQIK										Mascot
	882.4866	882.5498	0.0632	72	443	449	AYKIMTR										Mascot
	1062.5314	1062.674	0.1426	134	247	255	SLEELSQEK										Mascot
	1371.7478	1371.6129	-0.1349	-98	191	201	LNQLLEEEKQK										Mascot
	1951.9099	1951.9774	0.0675	35	171	185	LMEETEELCLQREQK						Carbamidomethyl (C)[9], Oxidation (M)[2]				Mascot
	2230.1384	2230.1414	0.003	1	142	162	NAQLGEAMIESLEAQL QLAK						Oxidation (M)[8]				Mascot
	2283.219	2283.1443	-0.0747	-33	370	389	LKLAEEALQDLEQGLNTI ER										Mascot
	2283.219	2283.1443	-0.0747	-33	370	389	LKLAEEALQDLEQGLNTI ER										Mascot
40	immunoglobulin mu heavy chain [Danio rerio]				gi 51559357		23906.6	8.05	6	32	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4097	864.4702	0.0605	70	209	215	SDWIDTK					Mascot
1467.755	1467.726	-0.029	-20	77	90	STAQSVQGRFTASK					Mascot
1578.7581	1578.7957	0.0376	24	91	103	DSSNLYLHMNQLK			Oxidation (M)[9]		Mascot
2097.0435	2097.0923	0.0488	23	86	103	FTASKDSSNLYLHMNQL K					Mascot
2097.0435	2097.0923	0.0488	23	86	103	FTASKDSSNLYLHMNQL K					Mascot
2225.03	2225.0793	0.0493	22	39	57	LSCACSGFTLRSTNMYWI R			Oxidation (M)[15]		Mascot
2225.03	2225.0793	0.0493	22	39	57	LSCACSGFTLRSTNMYWI R			Oxidation (M)[15]		Mascot
2233.0811	2233.0454	-0.0357	-16	58	76	QAPGKGLEWIIYYSDSD K					Mascot

41 fascin 2A [Danio rerio] gi|184186129 54837.1 5.91 9 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.493	996.5763	0.0833	84	186	193	TCDNRFLK					Mascot
996.493	996.5763	0.0833	84	186	193	TCDNRFLK					Mascot
1092.5718	1092.5464	-0.0254	-23	1	11	MSTNGISAALK					Mascot
1165.6034	1165.7224	0.119	102	88	97	FLIVMQSDGR					Mascot
1165.6034	1165.7224	0.119	102	88	97	FLIVMQSDGR					Mascot
1294.5038	1294.5033	-0.0005	0	77	87	CEEEVPNTDCR					Mascot
1815.9309	1815.8549	-0.076	-42	198	213	LVMEHGPNTSFTLELK					Mascot
2104.0742	2103.949	-0.1252	-60	198	216	LVMEHGPNTSFTLELKSG K			Oxidation (M)[3]		Mascot
2230.1172	2230.1414	0.0242	11	194	213	NDGKLVMEHGPNTSFTL					Mascot

	2246.9983	2247.0593	0.061	27	467	488	ELK GDQGGTLMGDGLSVNA SSLWEH					Oxidation (M)[8]	Mascot
	2283.2205	2283.1443	-0.0762	-33	2	22	STNGISAALKLQFGLINHE NR						Mascot
	2283.2205	2283.1443	-0.0762	-33	2	22	STNGISAALKLQFGLINHE NR						Mascot
42	SH3 domain-binding protein 4-A [Danio rerio]					gi 45387913	104947.5	7.73	13	32	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
842.5822	842.4943	-0.0879	-104	634	640	LIKTVIR						Mascot
850.4338	850.5258	0.092	108	358	364	LSNMEIK				Oxidation (M)[4]		Mascot
850.4338	850.5258	0.092	108	358	364	LSNMEIK				Oxidation (M)[4]		Mascot
870.4726	870.5259	0.0533	61	1	7	MAAHRIR				Oxidation (M)[1]		Mascot
1045.4796	1045.5457	0.0661	63	762	770	AELDSEPER						Mascot
1294.6637	1294.5033	-0.1604	-124	553	563	KADEISDFTLR						Mascot
1371.7161	1371.6129	-0.1032	-75	8	19	VTNNNNVLPRCK						Mascot
1815.8959	1815.8549	-0.041	-23	432	446	HVSFSSNVWNHMKK				Oxidation (M)[12]		Mascot
2097.0137	2097.0923	0.0786	37	373	390	VSVMTRTESMAEIVCVR				Carbamidomethyl (C)[16], Oxidation (M)[4,11]		Mascot
2097.0137	2097.0923	0.0786	37	373	390	VSVMTRTESMAEIVCVR				Carbamidomethyl (C)[16], Oxidation (M)[4,11]		Mascot
2121.0474	2121.1003	0.0529	25	744	761	AFADALSYVNLPLTYFCR				Carbamidomethyl (C)[17]		Mascot
2230.2417	2230.1414	-0.1003	-45	813	831	LIMDFVLLTTAVEVAPRW R						Mascot
2284.2368	2284.1365	-0.1003	-44	463	484	TVVAIFGHDCAPKLLVS EVGK						Mascot
2300.0686	2300.1404	0.0718	31	568	587	DDQDCILAQCVCQTPQP PPK				Carbamidomethyl (C)[5]		Mascot
3337.6052	3337.7131	0.1079	32	269	298	LARSCHDLESLGQNPGW GQTQPVETNIVCK				Carbamidomethyl (C)[5]		Mascot

43	polymerase I and transcript release factor isoform 2 [Danio rerio]					gi 167621556	51742.2	5.07	3	32	0	24	6.271
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
823.3978	823.399	0.0012	1	254	260	GNMEKTK				Oxidation (M)[3]		Mascot
848.393	848.5095	0.1165	137	329	335	MSVNPFR				Oxidation (M)[1]		Mascot
987.5945	987.5167	-0.0778	-79	128	136	VSVNVKSVR	24	6.271				Mascot
987.5945	987.5167	-0.0778	-79	128	136	VSVNVKSVR						Mascot

44	odorant receptor, family F, subfamily 115, member 12 [Danio rerio]					gi 82658220	35276.8	9.3	7	32	0		
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Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
	850.4525	850.5258	0.0733	86	221	227	IAMVCIK			Carbamidomethyl (C)[5], Oxidation (M)[3]	Mascot
	850.4888	850.5258	0.037	44	301	307	MLKLCVK			Oxidation (M)[1]	Mascot
	996.4819	996.5763	0.0944	95	133	140	YPTIMNNK			Oxidation (M)[5]	Mascot
	996.4819	996.5763	0.0944	95	133	140	YPTIMNNK			Oxidation (M)[5]	Mascot
	1045.516	1045.5457	0.0297	28	83	91	DLLTDPSEK				Mascot
	1399.7792	1399.6824	-0.0968	-69	80	91	LLKDLLTDPSEK				Mascot
	1467.7698	1467.726	-0.0438	-30	133	144	YPTIMNNKMIVK			Oxidation (M)[5]	Mascot
	2298.1118	2298.1453	0.0335	15	167	186	LSHCRSVIENHVCNPSL FK				Mascot
45	Vasa protein [Danio rerio]				gij120537661		73965.2	5.4	11	32	0
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
	823.4168	823.399	-0.0178	-22	90	97	GGFRSGSR				Mascot
	853.4426	853.3448	-0.0978	-115	164	171	GGFRGGFR				Mascot
	882.4315	882.5498	0.1183	134	651	658	VFASTDSR				Mascot
	970.4913	970.491	-0.0003	0	504	511	TMVFEVETK			Oxidation (M)[2]	Mascot
	1371.5742	1371.6129	0.0387	28	412	422	MLDMGFEPEMR			Oxidation (M)[1]	Mascot
	1472.709	1472.6449	-0.0641	-44	513	525	SADFIATFLCQEK				Mascot
	1472.709	1472.6449	-0.0641	-44	513	525	SADFIATFLCQEK				Mascot
	1815.8582	1815.8549	-0.0033	-2	437	451	QTLMFSAITYPEDIQR			Oxidation (M)[4]	Mascot
	1865.7532	1865.8141	0.0609	33	64	81	SEIDENGSDGGWNGGES R				Mascot
	1865.7532	1865.8141	0.0609	33	64	81	SEIDENGSDGGWNGGES R				Mascot
	1951.9952	1951.9774	-0.0178	-9	376	393	GCNVLCATPGRHLHLIGR			Carbamidomethyl (C)[2]	Mascot
	2230.0444	2230.1414	0.097	43	434	451	EERQTLMFSAITYPEDIQR			Oxidation (M)[7]	Mascot
	3387.5969	3387.6663	0.0694	20	232	262	YDDILVDVSGSNPPKAIM TFEEAGLCDSLK			Carbamidomethyl (C)[26], Oxidation (M)[18]	Mascot
46	novel protein similar to vertebrate spectrin, beta, non-erythrocytic 1 (SPTBN1) [Danio rerio]				gij220673237		79469.5	5.08	10	31	0
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
	987.5217	987.5167	-0.005	-5	216	223	ELDEVRRAR				Mascot
	987.5217	987.5167	-0.005	-5	216	223	ELDEVRRAR				Mascot

1007.5996	1007.4591	-0.1405	-139	500	508	LINQHAALK						Mascot
1371.7566	1371.6129	-0.1437	-105	205	215	KHMVALPLQYR				Oxidation (M)[3]		Mascot
1472.8108	1472.6449	-0.1659	-113	337	348	WNSIVELVEQKK						Mascot
1472.8108	1472.6449	-0.1659	-113	337	348	WNSIVELVEQKK						Mascot
1587.6921	1587.8539	0.1618	102	509	520	EEIGRYEEDYER						Mascot
1662.8228	1662.7861	-0.0367	-22	449	463	RTLQGCEDSLTVAGR				Carbamidomethyl (C)[6]		Mascot
1924.983	1924.9486	-0.0344	-18	58	75	MSILATQSCGKDLSSVLR				Oxidation (M)[1]		Mascot
2233.1934	2233.0454	-0.148	-66	377	397	AIDATQYVGSDLGSLAL QRR						Mascot
2283.114	2283.1443	0.0303	13	166	185	LVSSEDFGHDEYSTQSLL KK						Mascot
2283.114	2283.1443	0.0303	13	166	185	LVSSEDFGHDEYSTQSLL KK						Mascot
3337.7273	3337.7131	-0.0142	-4	580	610	QAEAFLLNNQESALAHVEL PSTVETVEAAIKK						Mascot

47 ADP/ATP translocase 1 [Danio rerio] gi|47550717 32667.2 9.74 7 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.4875	848.5095	0.022	26	98	105	IFLGGVDK					Mascot
996.4536	996.5763	0.1227	123	237	244	RMMMQSGR					Mascot
996.4536	996.5763	0.1227	123	237	244	RMMMQSGR					Mascot
1007.4978	1007.4591	-0.0387	-38	253	260	GTIDCWKK			Carbamidomethyl (C)[5]		Mascot
1952.9933	1952.9709	-0.0224	-11	44	60	QITADMQYKGIIDCVVR					Mascot
2152.1648	2152.0601	-0.1047	-49	2	23	SDAAISFLKDFLAGGVAA AISK					Mascot
2152.1648	2152.0601	-0.1047	-49	2	23	SDAAISFLKDFLAGGVAA AISK					Mascot
2283.2053	2283.1443	-0.061	-27	1	23	MSDAAISFLKDFLAGGVA AAISK					Mascot
2283.2053	2283.1443	-0.061	-27	1	23	MSDAAISFLKDFLAGGVA AAISK					Mascot
2284.2236	2284.1365	-0.0871	-38	73	92	GNLANVIRYFPTQALNFA FK					Mascot

48 Ddx52 protein [Danio rerio] gi|81294184 66316.2 9.69 10 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
823.4645	823.399	-0.0655	-80	145	150	IRHQNR					Mascot
836.426	836.3209	-0.1051	-126	21	27	FAKDAER					Mascot
864.4573	864.4702	0.0129	15	259	266	LSEGVGFR					Mascot
870.5407	870.5259	-0.0148	-17	239	246	ALIISPTR					Mascot

	1371.8181	1371.6129	-0.2052	-150	465	476	IWVLICTALLAR										Mascot
	1625.8646	1625.7368	-0.1278	-79	171	183	EYDLDPRIIHNIK										Mascot
	1961.9199	1961.9539	0.034	17	33	50	SQSKDSSDQLSGISYFG R										Mascot
	2121.0459	2121.1003	0.0544	26	382	401	NSAAETVEQQLLFVGSE NGK										Mascot
	2283.3223	2283.1443	-0.178	-78	407	426	NLIKQGFLPPVLVVFVQSID R										Mascot
	2283.3223	2283.1443	-0.178	-78	407	426	NLIKQGFLPPVLVVFVQSID R										Mascot
	2297.1604	2297.1523	-0.0081	-4	184	204	AAGFQTPTPIQMMAVPL MMHK										Mascot
49	transitional endoplasmic reticulum ATPase-like [Danio rerio]																
						gi 90093334		89437.9	5.44	11	31	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
823.3831	823.399	0.0159	19	291	297	AFEEAEK					Mascot
850.4417	850.5258	0.0841	99	563	569	DVFDKAR					Mascot
850.4417	850.5258	0.0841	99	563	569	DVFDKAR					Mascot
1467.8352	1467.726	-0.1092	-74	380	391	LEILQIHTKNMK					Mascot
1683.9462	1683.7981	-0.1481	-88	214	227	QLAQIKEMVELPLR			Oxidation (M)[8]		Mascot
1796.8483	1796.6711	-0.1772	-99	680	695	ITEGFSGADLTEICQR			Carbamidomethyl (C)[14]		Mascot
1922.9059	1922.9604	0.0545	28	67	83	RQTVCIVLTDTCGNER					Mascot
1951.9218	1951.9774	0.0556	28	546	562	GPELLTMWFGSEANVR			Oxidation (M)[7]		Mascot
2103.9954	2103.949	-0.0464	-22	775	796	FPTAPKSGGGQGSSQGS GGHFR					Mascot
2156.011	2155.9233	-0.0877	-41	680	698	ITEGFSGADLTEICQRAC K			Carbamidomethyl (C)[14,18]		Mascot
2247.1172	2247.0593	-0.0579	-26	28	47	LIVDEATNEDNSIVCLSQV K			Carbamidomethyl (C)[15]		Mascot
3387.6963	3387.6663	-0.03	-9	162	192	AVEFKVVETDPTPHCIVA PDTIIHCEGEPIK					Mascot

50	polymerase I and transcript release factor isoform 1 [Danio rerio]																
						gi 147898795		19874.3	5.41	1		24	6.271				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
987.5945	987.5167	-0.0778	-79	128	136	VSVNVKSVR	24	6.271		4	Mascot

Gel Idx/Pos	181/H8	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	villin 2 [Danio rerio]	gi 71892458	68683.2	5.7	12	196	100	164	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1104.5836	1104.5546	-0.029	-26	238	246	IGFPWSEIR					Mascot
1104.5836	1104.5546	-0.029	-26	238	246	IGFPWSEIR	57	99.938			Mascot
1120.5634	1120.5374	-0.026	-23	575	583	QRIDEFEAL					Mascot
1182.5942	1182.5671	-0.0271	-23	264	273	APDFVIFYAPR	66	99.993			Mascot
1182.5942	1182.5671	-0.0271	-23	264	273	APDFVIFYAPR					Mascot
1233.6123	1233.5854	-0.0269	-22	172	180	IQVWHEEHR					Mascot
1233.6123	1233.5854	-0.0269	-22	172	180	IQVWHEEHR	42	98.074			Mascot
1310.6892	1310.6559	-0.0333	-25	263	273	KAPDFVIFYAPR					Mascot
1391.6583	1391.7091	0.0508	37	317	327	QMERARLENEK			Oxidation (M)[2]		Mascot
1413.806	1413.7682	-0.0378	-27	527	539	QLLALTSELAQAR					Mascot
1457.7495	1457.7173	-0.0322	-22	140	151	ELHRPGYLTSER					Mascot
1531.7533	1531.7145	-0.0388	-25	360	371	KVENELQEQMQR					Mascot
1616.7448	1616.7039	-0.0409	-25	346	357	ELMMQLYQFEER					Mascot
1632.7396	1632.6975	-0.0421	-26	346	357	ELMMQLYQFEER			Oxidation (M)[3]		Mascot
1648.7345	1648.6963	-0.0382	-23	346	357	ELMMQLYQFEER			Oxidation (M)[3,4]		Mascot
1651.8174	1651.7683	-0.0491	-30	413	427	SQEQLAAELAEYTAK					Mascot
2207.123	2207.0408	-0.0822	-37	82	100	AKFFPEDVADELIQDITQK					Mascot

2	Ezr protein [Danio rerio]	gi 50418501	40608.3	9.33	7	182	100	164	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1104.5836	1104.5546	-0.029	-26	238	246	IGFPWSEIR					Mascot
1104.5836	1104.5546	-0.029	-26	238	246	IGFPWSEIR	57	99.938			Mascot
1182.5942	1182.5671	-0.0271	-23	264	273	APDFVIFYAPR	66	99.993			Mascot
1182.5942	1182.5671	-0.0271	-23	264	273	APDFVIFYAPR					Mascot
1233.6123	1233.5854	-0.0269	-22	172	180	IQVWHEEHR					Mascot

	1233.6123	1233.5854	-0.0269	-22	172	180	IQVWHEEHR	42	98.074						Mascot
	1310.6892	1310.6559	-0.0333	-25	263	273	KAPDFVIFYAPR								Mascot
	1391.6583	1391.7091	0.0508	37	317	327	QMERAAQLENEK			Oxidation (M)[2]					Mascot
	1457.7495	1457.7173	-0.0322	-22	140	151	ELHRPGYLTSER								Mascot
	2207.123	2207.0408	-0.0822	-37	82	100	AKFFPEDVADELIQDITQK								Mascot
3	Si:dkey-276i5.1 protein [Danio rerio]				gi 66910298		86251.9	6.8	14	102	100	55	99.916		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1042.5792	1042.557	-0.0222	-21	184	191	NNILQVWR					Mascot
1104.616	1104.5546	-0.0614	-56	335	343	RLLEFNQ GK					Mascot
1104.616	1104.5546	-0.0614	-56	335	343	RLLEFNQ GK					Mascot
1277.6267	1277.6538	0.0271	21	405	416	AQTSGQSAQIMR					Mascot
1391.743	1391.7091	-0.0339	-24	344	356	LPFAAAQIGNSFR					Mascot
1443.709	1443.6772	-0.0318	-22	609	619	IMYSIFEHTFR					Mascot
1626.7581	1626.7155	-0.0426	-26	476	489	TSYGWIEIVGCADR			Carbamidomethyl (C)[11]		Mascot
1638.8553	1638.8115	-0.0438	-27	15	29	SMLSLSATSALLLR			Carbamidomethyl (C)[6], Oxidation (M)[2]		Mascot
1638.8553	1638.8115	-0.0438	-27	15	29	SMLSLSATSALLLR			Carbamidomethyl (C)[6], Oxidation (M)[2]		Mascot
1718.8306	1718.8324	0.0018	1	390	404	FSNVADLDIMLYSSK			Oxidation (M)[10]		Mascot
1755.9122	1755.9348	0.0226	13	108	124	AENAPDQVSKAVAEK					Mascot
2192.1709	2192.1182	-0.0527	-24	589	608	TLHVEEVVPNVIEPSFGIG R	55	99.916			Mascot
2192.1709	2192.1182	-0.0527	-24	589	608	TLHVEEVVPNVIEPSFGIG R					Mascot
2207.0437	2207.0408	-0.0029	-1	368	385	VREFTMAEIEHFVDPNEK			Oxidation (M)[6]		Mascot
2221.1611	2221.103	-0.0581	-26	417	437	LGDAVEQGVINNSVLGYF IGR					Mascot
2230.1213	2230.1079	-0.0134	-6	386	404	VHFKFSNVADLDIMLYSS K			Oxidation (M)[14]		Mascot
2298.9968	2299.1296	0.1328	58	539	557	FAMEYLAICDECYTEQE K					Mascot

4	PREDICTED: glycyl-tRNA synthetase [Danio rerio]				gi 189536638		86255.8	6.76	13	96	99.999	55	99.916		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1042.5792	1042.557	-0.0222	-21	184	191	NNILQVWR					Mascot
1104.616	1104.5546	-0.0614	-56	335	343	RLLEFNQ GK					Mascot
1104.616	1104.5546	-0.0614	-56	335	343	RLLEFNQ GK					Mascot
1277.6267	1277.6538	0.0271	21	405	416	AQTSGQSAQIMR					Mascot

	1391.743	1391.7091	-0.0339	-24	344	356	LPFAAAQIGNSFR										Mascot
	1443.709	1443.6772	-0.0318	-22	609	619	IMYSIFEHTFR										Mascot
	1626.7581	1626.7155	-0.0426	-26	476	489	TSYGWIEIVGCADR					Carbamidomethyl (C)[11]					Mascot
	1718.8306	1718.8324	0.0018	1	390	404	FSNVADLDIMLYSSK					Oxidation (M)[10]					Mascot
	1755.9122	1755.9348	0.0226	13	108	124	AENAPDVDVSKAVAEK										Mascot
	2192.1709	2192.1182	-0.0527	-24	589	608	TLHVEEVVPNVIEPSFGIG R	55	99.916								Mascot
	2192.1709	2192.1182	-0.0527	-24	589	608	TLHVEEVVPNVIEPSFGIG R										Mascot
	2207.0437	2207.0408	-0.0029	-1	368	385	VREFTMAEIEHFVDPNEK					Oxidation (M)[6]					Mascot
	2221.1611	2221.103	-0.0581	-26	417	437	LGDAVEQGVINNSVLGYF IGR										Mascot
	2230.1213	2230.1079	-0.0134	-6	386	404	VHFKFSNVADLDIMLYSS K					Oxidation (M)[14]					Mascot
	2298.9968	2299.1296	0.1328	58	539	557	FAMEYLAICDECYTEQE K										Mascot
5	ezrin like [Danio rerio]				gi 66472810		70053.6	5.42	7	68	99.357	57	99.938				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4199	850.5237	0.1038	122	582	588	MGNTKQR				Oxidation (M)[1]		Mascot
850.4199	850.5237	0.1038	122	582	588	MGNTKQR				Oxidation (M)[1]		Mascot
864.4977	864.4717	-0.026	-30	54	60	GFLTWLK						Mascot
1104.5836	1104.5546	-0.029	-26	238	246	IGFPWSEIR						Mascot
1104.5836	1104.5546	-0.029	-26	238	246	IGFPWSEIR	57	99.938				Mascot
1120.5634	1120.5374	-0.026	-23	587	595	QRIDEFEAL						Mascot
1391.6583	1391.7091	0.0508	37	317	327	QMERARLENEK				Oxidation (M)[2]		Mascot
1463.6794	1463.7169	0.0375	26	401	412	EELARQAEDQMK				Oxidation (M)[11]		Mascot
1651.8174	1651.7683	-0.0491	-30	413	427	TQEQLAADLAETAK						Mascot

6 Ezrl protein [Danio rerio] gi|157422742 52248.2 7.62 6 66 98.908 57 99.938

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
864.4977	864.4717	-0.026	-30	54	60	GFLTWLK						Mascot
1042.6255	1042.557	-0.0685	-66	428	436	LALLEEARK						Mascot
1104.5836	1104.5546	-0.029	-26	238	246	IGFPWSEIR						Mascot
1104.5836	1104.5546	-0.029	-26	238	246	IGFPWSEIR	57	99.938				Mascot
1391.6583	1391.7091	0.0508	37	317	327	QMERARLENEK				Oxidation (M)[2]		Mascot
1463.6794	1463.7169	0.0375	26	401	412	EELARQAEDQMK				Oxidation (M)[11]		Mascot

Mascot

Peptide Information

8	PREDICTED: moesin [Danio rerio]	qi326673460	67949.1	6.64	3	63	97.61	57	99.938
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Peptide Information

9	Ezrl protein [Danio rerio]	gjl32450442	39229.6	9.18	2	62	97.439	57	99.938
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Peptide Information

10	Rdx protein [Danio rerio]	gi 29436484	52007.1	8.41	2	56	90.037	57	99.938
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Peptide Information

11	LOC553434 protein [Danio rerio]	gil94574164	37971.8	9.24	1	56	90.037	57	99.938
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Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
		1104.5836	1104.5546	-0.029	-26	227	235 IGFPWSEIR						Mascot
		1104.5836	1104.5546	-0.029	-26	227	235 IGFPWSEIR		57	99.938			Mascot
12	PREDICTED: serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit C-like [Danio r					gi 326671533	11978.2	6.02	6	48	20.865		
Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
		1190.7004	1190.6184	-0.082	-69	22	32 ALQTPHIAAR						Mascot
		1493.7594	1493.7106	-0.0488	-33	101	114 NGVSLHLLTEEPQG						Mascot
		2207.0762	2207.0408	-0.0354	-16	46	67 GATVLAVDDEDGHTPALA CAPNK				Carbamidomethyl (C)[18]		Mascot
		2211.0632	2211.0518	-0.0114	-5	2	21 CALLMLAETDDTSLISST NR				Carbamidomethyl (C)[1]		Mascot
		2306.3049	2306.1018	-0.2031	-88	68	88 EVAKCLALIISTMKPFIGL MK						Mascot
		2584.5298	2584.1545	-0.3753	-145	22	45 ALQTPHIAARNGLVTVV EVLLTR						Mascot
13	PREDICTED: slit and trk like 4 protein [Danio rerio]					gi 125834768	92595.8	7.75	14	46	0		
Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
		864.4434	864.4717	0.0283	33	667	673 HNHKSNK						Mascot
		1045.52	1045.5411	0.0211	20	802	809 KSDYYELK						Mascot
		1104.616	1104.5546	-0.0614	-56	415	424 GVFANLTNLR						Mascot
		1104.616	1104.5546	-0.0614	-56	415	424 GVFANLTNLR						Mascot
		1165.5959	1165.7177	0.1218	104	323	332 NGQIVSYQTR						Mascot
		1165.5959	1165.7177	0.1218	104	323	332 NGQIVSYQTR						Mascot
		1277.6228	1277.6538	0.031	24	569	578 ELKNEIMCPK				Carbamidomethyl (C)[8], Oxidation (M)[7]		Mascot
		1413.7008	1413.7682	0.0674	48	762	774 DFSSIGVSGFEIR						Mascot
		1443.6793	1443.6772	-0.0021	-1	333	345 IPPLSCPQPCTCK				Carbamidomethyl (C)[6]		Mascot
		1463.7311	1463.7169	-0.0142	-10	556	568 CASPVQFSNIELR						Mascot
		1531.6555	1531.7145	0.059	39	749	760 DTMFLHNFMESK				Oxidation (M)[3,9]		Mascot
		1616.9006	1616.7039	-0.1967	-122	95	110 LQNIEGGAFVGLSALK						Mascot
		1632.7434	1632.6975	-0.0459	-28	346	360 AHPSPDFGISVSCQER						Mascot
		1670.7148	1670.817	0.1022	61	259	273 QELCPMGTGSDFDVR				Oxidation (M)[6]		Mascot
		1718.98	1718.8324	-0.1476	-86	361	376 NIQSLADLIPKPPNAK						Mascot

15	PREDICTED: transformation/transcription domain-associated protein [Danio rerio]	gij326672350	433471.2	8.52	32	43	0
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1443.8352	1443.6772	-0.158	-109	422	433	LLNLVDCIRSK	Carbamidomethyl (C)[8]	Mascot
1475.8217	1475.7218	-0.0999	-68	1963	1975	LGFTPSVTIEQRK		Mascot
1493.7126	1493.7106	-0.002	-1	1311	1322	LFTMDLNVMEHK	Oxidation (M)[4]	Mascot
1531.7937	1531.7145	-0.0792	-52	3099	3112	AFSAAVQMHDVLVK	Oxidation (M)[8]	Mascot
1579.8301	1579.7042	-0.1259	-80	3722	3735	CFAQPNFKVDGILK		Mascot
1626.8632	1626.7155	-0.1477	-91	1248	1262	QAMHSLQVLAQVTGK	Oxidation (M)[3]	Mascot
1632.8752	1632.6975	-0.1777	-109	1831	1843	RLMTFAWPCLLPK	Carbamidomethyl (C)[9]	Mascot
1637.8896	1637.7745	-0.1151	-70	1678	1690	NYSEIELLFQLLR		Mascot
1638.8958	1638.8115	-0.0843	-51	443	455	DILMRMLEVFVLK	Oxidation (M)[4,6]	Mascot
1638.8958	1638.8115	-0.0843	-51	443	455	DILMRMLEVFVLK	Oxidation (M)[4,6]	Mascot
1648.8337	1648.6963	-0.1374	-83	1691	1704	AFTGRFLCNMTFLK		Mascot
1651.8076	1651.7683	-0.0393	-24	2167	2181	GIAACMTCGNTKVLR	Carbamidomethyl (C)[5,8]	Mascot
1718.8054	1718.8324	0.027	16	3311	3326	CYSVAFEKSGAVSDAK	Carbamidomethyl (C)[1]	Mascot
1797.9282	1797.9182	-0.01	-6	971	985	HSLYQLLAHPNFTK		Mascot
1853.8922	1853.8535	-0.0387	-21	2348	2364	NSGNPMATNQVPNPRES		Mascot
2192.2107	2192.1182	-0.0925	-42	2579	2599	TGALLNALVQLCHISTPLA EK		Mascot
2192.2107	2192.1182	-0.0925	-42	2579	2599	TGALLNALVQLCHISTPLA EK		Mascot
2207.145	2207.0408	-0.1042	-47	1	20	MSFVPTSPSTVVDQTTL MKK		Mascot
2211.0745	2211.0518	-0.0227	-10	1075	1094	GMDPLVLIDIAICMAYEE K	Oxidation (M)[2]	Mascot
2221.103	2221.103	0	0	3074	3092	EMTAEFYALKGMFLAQIN K	Oxidation (M)[2]	Mascot
2230.0769	2230.1079	0.031	14	1323	1341	VFYTELLNLCEAEDAALM K	Carbamidomethyl (C)[10]	Mascot
2283.0981	2283.1248	0.0267	12	3617	3634	EWALHTFPNATDYWTFR K		Mascot
2283.0981	2283.1248	0.0267	12	3617	3634	EWALHTFPNATDYWTFR K		Mascot
2284.1384	2284.1189	-0.0195	-9	1175	1196	ALLFVMMDLTGEVSNGA VAMAK	Oxidation (M)[6]	Mascot
2297.0537	2297.0979	0.0442	19	1696	1713	FLCNMTFLKEYMEEIIPK	Oxidation (M)[5,12]	Mascot
2584.2395	2584.1545	-0.085	-33	1288	1310	HQPANAQIGLMEGNTFC TTLQPR	Carbamidomethyl (C)[17]	Mascot
2872.5024	2872.3237	-0.1787	-62	581	605	LVKYAMQALDIYQVQIAG NGQTYIR	Oxidation (M)[6]	Mascot

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PREDICTED: hypothetical protein LOC100000098

[Danio rerio]

gi|125854762

35807.9

9.77

8

40

0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
1120.5132	1120.5374	0.0242	22	278	285	LNECFYFK		Carbamidomethyl (C)[4]	Mascot
1233.6547	1233.5854	-0.0693	-56	239	249	QTTINSANRTK			Mascot

	1233.6547	1233.5854	-0.0693	-56	239	249	QTTINSANRTK										Mascot
	1457.8362	1457.7173	-0.1189	-82	6	18	VIIPNIENATVFK										Mascot
	1670.8167	1670.817	0.0003	0	222	235	CEEEPIDLSLPNRR										Mascot
	2225.0244	2225.0647	0.0403	18	114	132	VIFNLPPEQDQTSDDDEYS K										Mascot
	2225.0244	2225.0647	0.0403	18	114	132	VIFNLPPEQDQTSDDDEYS K										Mascot
	2230.1094	2230.1079	-0.0015	-1	288	307	GEDSPKPLCPLMKLTESA EK						Carbamidomethyl (C)[9]				Mascot
	2501.2605	2501.1995	-0.061	-24	39	59	HVANFLTHYSLHEMLSTQ TKK						Oxidation (M)[14]				Mascot
	2872.4324	2872.3237	-0.1087	-38	160	186	SFLDPPVEISSSSSGNEAI STRPPEIR										Mascot
17	Zgc:73317 protein [Danio rerio]				gi 60649764		50586.6	6.03	10	38	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.4905	-0.0301	-36	8	14	LERAVVR					Mascot
850.4166	850.5237	0.1071	126	291	298	THHGSPSK					Mascot
850.4166	850.5237	0.1071	126	291	298	THHGSPSK					Mascot
1042.6003	1042.557	-0.0433	-42	2	10	EALVGRLE					Mascot
1104.5718	1104.5546	-0.0172	-16	360	369	VNSIIVDNCK					Mascot
1104.5718	1104.5546	-0.0172	-16	360	369	VNSIIVDNCK					Mascot
1118.6204	1118.604	-0.0164	-15	311	320	HPPVLELEGK					Mascot
1120.5674	1120.5374	-0.03	-27	443	451	EFVPVEQFK					Mascot
1179.5562	1179.5767	0.0205	17	416	426	DSLDCCEIVSAK					Mascot
1310.631	1310.6559	0.0249	19	201	211	EHHCTGLIWSK					Mascot
1853.8221	1853.8535	0.0314	17	427	442	SSEMNILVPEGEDDYR					Mascot
2297.0789	2297.0979	0.019	8	406	426	TEGCHVYLSKDSLDCCEIV SAK					Mascot

18	titin a [Danio rerio]				gi 110005909		3646149.2	6.18	70	38	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4981	842.4905	-0.0076	-9	8812	8818	EDILPKK					Mascot
850.4814	850.5237	0.0423	50	1481	1487	LTSVRMK			Oxidation (M)[6]		Mascot
850.5396	850.5237	-0.0159	-19	17926	17932	FLLTKTK					Mascot
864.4686	864.4717	0.0031	4	10287	10293	VYAEARR					Mascot
870.493	870.5187	0.0257	30	8546	8553	TDIPLPSK					Mascot
882.4679	882.5462	0.0783	89	2876	2882	YKVSTER					Mascot

996.536	996.572	0.036	36	2979	2986	LTITETYSR		Mascot
996.591	996.572	-0.019	-19	9064	9072	MKAVPLPPK	Oxidation (M)[1]	Mascot
1042.5204	1042.557	0.0366	35	27162	27169	ELSEVYFR		Mascot
1045.5347	1045.5411	0.0064	6	7144	7153	CQIGGTPEIK		Mascot
1051.6259	1051.6859	0.06	57	32375	32384	SPIASPPRVK		Mascot
1062.6306	1062.6647	0.0341	32	28602	28610	IVGYVVERK		Mascot
1104.5419	1104.5546	0.0127	11	10607	10615	EAEKEEIK		Mascot
1104.5419	1104.5546	0.0127	11	10607	10615	EAEKEEIK		Mascot
1118.6205	1118.604	-0.0165	-15	24180	24188	EKNSILWTK		Mascot
1120.5481	1120.5374	-0.0107	-10	11575	11584	GSQEIKTDDK		Mascot
1165.6211	1165.7177	0.0966	83	28447	28457	VSAENKFGVSK		Mascot
1165.6211	1165.7177	0.0966	83	28447	28457	VSAENKFGVSK		Mascot
1179.6078	1179.5767	-0.0311	-26	28311	28319	VTWKLEEMK	Oxidation (M)[8]	Mascot
1182.6187	1182.5671	-0.0516	-44	28547	28557	VYAMNIAGLSK	Oxidation (M)[4]	Mascot
1182.6729	1182.5671	-0.1058	-89	725	736	VPETAAIPSAVK		Mascot
1190.6263	1190.6184	-0.0079	-7	29946	29956	SLKSDESVTPK		Mascot
1221.5304	1221.5538	0.0234	19	10260	10269	DKDEDPEMVK	Oxidation (M)[8]	Mascot
1233.662	1233.5854	-0.0766	-62	32566	32576	IQGGSEMVIR	Oxidation (M)[7]	Mascot
1233.6626	1233.5854	-0.0772	-63	5108	5118	GSAPITVQWFK		Mascot
1277.7688	1277.6538	-0.115	-90	16200	16211	EKIVVHAGGVIR		Mascot
1279.7256	1279.7423	0.0167	13	26573	26583	LNTGTIELKIK		Mascot
1310.6587	1310.6559	-0.0028	-2	17534	17544	VKGLTEDTEYR		Mascot
1328.6627	1328.5773	-0.0854	-64	8734	8744	QDISQTKPHMK	Oxidation (M)[10]	Mascot
1335.6208	1335.6929	0.0721	54	18202	18212	DKVEMEGEQVR	Oxidation (M)[5]	Mascot
1391.6914	1391.7091	0.0177	13	2956	2967	NGVEIQFSVDQR		Mascot
1413.7737	1413.7682	-0.0055	-4	31447	31459	VSGTPAPTLKWEK		Mascot
1443.7446	1443.6772	-0.0674	-47	16899	16912	AMAGTHINIMAGIK	Oxidation (M)[2]	Mascot
1457.7594	1457.7173	-0.0421	-29	1571	1583	SLVEDSQLPEGRK		Mascot
1463.7264	1463.7169	-0.0095	-6	27984	27996	LTSPEIDIDAFK		Mascot
1469.6866	1469.7172	0.0306	21	5242	5254	GDSSEYKVEVSNR		Mascot
1475.7601	1475.7218	-0.0383	-26	30138	30150	VFAENETGLSRPR		Mascot
1485.7155	1485.712	-0.0035	-2	19518	19530	ITNLEAGQAYCFR		Mascot
1493.7166	1493.7106	-0.006	-4	28125	28136	LSWQEVSECTR		Mascot
1531.8115	1531.7145	-0.097	-63	24478	24490	ETSRLSWTVVEPK		Mascot
1579.7897	1579.7042	-0.0855	-54	11668	11681	LHPSKVHMSDQK	Oxidation (M)[9]	Mascot
1616.806	1616.7039	-0.1021	-63	5165	5178	QKCEATVTVQEPAR	Carbamidomethyl (C)[3]	Mascot

1626.7209	1626.7155	-0.0054	-3	4784	4798	ASNSVGTATCCTELR	Carbamidomethyl (C)[10,11]	Mascot
1632.7687	1632.6975	-0.0712	-44	17019	17033	DAASPQWVPICSSSK	Carbamidomethyl (C)[11]	Mascot
1637.7628	1637.7745	0.0117	7	28440	28452	YMEYTFRVSAENK		Mascot
1638.9061	1638.8115	-0.0946	-58	7730	7743	DIDIVELLRNVDPK		Mascot
1638.9061	1638.8115	-0.0946	-58	7730	7743	DIDIVELLRNVDPK		Mascot
1648.6432	1648.6963	0.0531	32	12151	12164	SVFDDEAEYECDAR		Mascot
1651.8174	1651.7683	-0.0491	-30	25798	25813	IGPSESPETDPQVAK		Mascot
1670.7955	1670.817	0.0215	13	19173	19187	DHMTVTWKAPANDGK		Mascot
1682.7472	1682.7767	0.0295	18	6002	6016	NEAGSESCSMDLRVK	Carbamidomethyl (C)[8]	Mascot
1718.8894	1718.8324	-0.057	-33	11872	11885	EEGKHKMLILYNVR	Oxidation (M)[7]	Mascot
1755.8582	1755.9348	0.0766	44	17130	17145	TVSIPECHVTGLEEGK	Carbamidomethyl (C)[7]	Mascot
1797.9381	1797.9182	-0.0199	-11	22684	22700	NSVTLTWEPLLDGGAK		Mascot
1853.8309	1853.8535	0.0226	12	18756	18771	HPFDPPSEPLNCCVVK	Carbamidomethyl (C)[12]	Mascot
1959.952	1960.0217	0.0697	36	17483	17498	DYSCTYADLVWIKPTK	Carbamidomethyl (C)[4]	Mascot
2192.1155	2192.1182	0.0027	1	21661	21680	ILAENEYGVGLPVETMEA IK	Oxidation (M)[16]	Mascot
2192.1155	2192.1182	0.0027	1	21661	21680	ILAENEYGVGLPVETMEA IK	Oxidation (M)[16]	Mascot
2207.0801	2207.0408	-0.0393	-18	26462	26480	FTVSGLTQNESYEFVRM AK		Mascot
2211.0713	2211.0518	-0.0195	-9	29957	29976	TPLCPPEPPSFPPEIMDV TK	Oxidation (M)[16]	Mascot
2221.1248	2221.103	-0.0218	-10	29857	29876	VIGRPDPPEGPLFDDIQ AR		Mascot
2225.0801	2225.0647	-0.0154	-7	488	506	IRKPMHVEGAQMEEEEAD VR		Mascot
2225.0801	2225.0647	-0.0154	-7	488	506	IRKPMHVEGAQMEEEEAD VR		Mascot
2230.1106	2230.1079	-0.0027	-1	29738	29759	FRVMACNAGGAGEPAEI PGVVK	Carbamidomethyl (C)[6]	Mascot
2232.9575	2233.03	0.0725	32	1525	1542	MINEFGYCSLDYEVAYSR	Carbamidomethyl (C)[8], Oxidation (M)[1]	Mascot
2283.104	2283.1248	0.0208	9	2802	2823	NVHFGDVGDKFVAGSA ETAAK		Mascot
2283.1284	2283.1248	-0.0036	-2	13772	13793	VRAVNVAGESEPSEPSD PVLCK		Mascot
2284.1389	2284.1189	-0.02	-9	21385	21405	ACDTIFQPGPPGNPRVLD TTK	Carbamidomethyl (C)[2]	Mascot
2297.1516	2297.0979	-0.0537	-23	7038	7058	NLSVEMGKSLILECTYAG SPK	Carbamidomethyl (C)[14]	Mascot
2299.1233	2299.1296	0.0063	3	30037	30058	VVAQNDIGQSEPGPVSE SVVCK	Carbamidomethyl (C)[21]	Mascot
2306.0732	2306.1018	0.0286	12	17825	17842	ETFFMVDKCVENHIYQFR		Mascot
2501.1753	2501.1995	0.0242	10	856	879	DETMSEISSVSVDTGAPA APFFVK	Oxidation (M)[4]	Mascot
2584.2922	2584.1545	-0.1377	-53	26393	26416	SSDPVLAIDACEPPNSVR VTDITK	Carbamidomethyl (C)[11]	Mascot
2872.4258	2872.3237	-0.1021	-36	28183	28208	RLDVIDTTSTASLVWMK PEHDGGSR		Mascot
3337.4834	3337.6814	0.198	59	4869	4900	DTGTYTCTAANEAGSSS CSSSVTVQEPPVFK	Carbamidomethyl (C)[7,18]	Mascot

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4981	842.4905	-0.0076	-9	8812	8818	EDILPKK					Mascot
850.4814	850.5237	0.0423	50	1481	1487	LTSVRMK			Oxidation (M)[6]		Mascot
850.5396	850.5237	-0.0159	-19	17926	17932	FLLTKTK					Mascot
864.4686	864.4717	0.0031	4	10287	10293	VYAEARR					Mascot
870.4203	870.5187	0.0984	113	6908	6915	LSDSGTYK					Mascot
882.4679	882.5462	0.0783	89	2876	2882	YKVSTER					Mascot
996.536	996.572	0.036	36	2979	2986	LTITETYS					Mascot
996.591	996.572	-0.019	-19	9064	9072	MKAVPLPPK			Oxidation (M)[1]		Mascot
1042.5204	1042.557	0.0366	35	27162	27169	ELSEVYFR					Mascot
1045.5347	1045.5411	0.0064	6	7144	7153	CQIGGTPEIK					Mascot
1051.6259	1051.6859	0.06	57	32375	32384	SPIASPPRVK					Mascot
1062.6306	1062.6647	0.0341	32	28602	28610	IVGYVVERK					Mascot
1104.5419	1104.5546	0.0127	11	10607	10615	EAEKEEIK					Mascot
1104.5419	1104.5546	0.0127	11	10607	10615	EAEKEEIK					Mascot
1118.6205	1118.604	-0.0165	-15	24180	24188	EKNSILWTK					Mascot
1120.5481	1120.5374	-0.0107	-10	11575	11584	GSQEIKTDDK					Mascot
1165.6212	1165.7177	0.0965	83	8759	8768	ETFSVQVVTR					Mascot
1165.6212	1165.7177	0.0965	83	8759	8768	ETFSVQVVTR					Mascot
1179.6078	1179.5767	-0.0311	-26	28311	28319	VTWKLEEMK			Oxidation (M)[8]		Mascot
1182.6187	1182.5671	-0.0516	-44	28547	28557	VYAMNIAGLSK			Oxidation (M)[4]		Mascot
1182.6729	1182.5671	-0.1058	-89	725	736	VPETAIPSAVK					Mascot
1190.6263	1190.6184	-0.0079	-7	29946	29956	SLKSDESVTPK					Mascot
1221.5304	1221.5538	0.0234	19	10260	10269	DKDEDPEMVK			Oxidation (M)[8]		Mascot
1233.662	1233.5854	-0.0766	-62	32566	32576	IQGGSEMIKIR			Oxidation (M)[7]		Mascot
1233.6626	1233.5854	-0.0772	-63	5108	5118	GSAPITVQWFK					Mascot
1277.7688	1277.6538	-0.115	-90	16200	16211	EKIVVHAGGVIR					Mascot
1279.7256	1279.7423	0.0167	13	26573	26583	LNTGTYELKIK					Mascot
1310.6587	1310.6559	-0.0028	-2	17534	17544	VKGLTEDTEYS					Mascot
1328.6627	1328.5773	-0.0854	-64	8734	8744	QDISQTKPHMK			Oxidation (M)[10]		Mascot
1335.6208	1335.6929	0.0721	54	18202	18212	DKVEMEGEQVR			Oxidation (M)[5]		Mascot
1391.6914	1391.7091	0.0177	13	2956	2967	NGVEIQFSVDQR					Mascot
1413.7737	1413.7682	-0.0055	-4	31447	31459	VSGTPAPTLKWEK					Mascot

1443.7446	1443.6772	-0.0674	-47	16899	16912	AMAGTHINIMAGIK	Oxidation (M)[2]	Mascot
1457.7594	1457.7173	-0.0421	-29	1571	1583	SLVEDSQLPEGRK		Mascot
1463.7264	1463.7169	-0.0095	-6	27984	27996	LTSPEIDIDADFK		Mascot
1469.6866	1469.7172	0.0306	21	5242	5254	GDSSEYKVEVSNR		Mascot
1475.7601	1475.7218	-0.0383	-26	30138	30150	VFAENETGLSRPR		Mascot
1485.7155	1485.712	-0.0035	-2	19518	19530	ITNLEAGQAYCFR		Mascot
1493.7166	1493.7106	-0.006	-4	28125	28136	LSWQEVSECTR		Mascot
1531.8115	1531.7145	-0.097	-63	24478	24490	ETSRLSWTVVEPK		Mascot
1579.7897	1579.7042	-0.0855	-54	11668	11681	LHPSKVVMSEDGK	Oxidation (M)[9]	Mascot
1616.806	1616.7039	-0.1021	-63	5165	5178	QKCEATVTVQEPAR	Carbamidomethyl (C)[3]	Mascot
1626.7209	1626.7155	-0.0054	-3	4784	4798	ASNSVGATCCTELR	Carbamidomethyl (C)[10,11]	Mascot
1632.7687	1632.6975	-0.0712	-44	17019	17033	DAASPQWVICSSSK	Carbamidomethyl (C)[11]	Mascot
1637.7628	1637.7745	0.0117	7	28440	28452	YMEYTFRVSAENK		Mascot
1638.9061	1638.8115	-0.0946	-58	7730	7743	DIDIVELLRNVDPK		Mascot
1638.9061	1638.8115	-0.0946	-58	7730	7743	DIDIVELLRNVDPK		Mascot
1648.6432	1648.6963	0.0531	32	12151	12164	SVFDDEAEYECAR		Mascot
1651.8174	1651.7683	-0.0491	-30	25798	25813	IGPSESPETDPQVAK		Mascot
1670.7955	1670.817	0.0215	13	19173	19187	DHMTVTWKAPANDGK		Mascot
1682.7472	1682.7767	0.0295	18	6002	6016	NEAGSESCSMDLRVK	Carbamidomethyl (C)[8]	Mascot
1718.8894	1718.8324	-0.057	-33	11872	11885	EEGTKHMLILYNVR	Oxidation (M)[7]	Mascot
1755.8582	1755.9348	0.0766	44	17130	17145	TVSIPECHVTGLEEGK	Carbamidomethyl (C)[7]	Mascot
1797.9381	1797.9182	-0.0199	-11	22684	22700	NSVTLTWEPLLDGGAK		Mascot
1853.8309	1853.8535	0.0226	12	18756	18771	HPFDPPSEPLNCCVVK	Carbamidomethyl (C)[12]	Mascot
1959.952	1960.0217	0.0697	36	17483	17498	DYSCTYADLVWIKPTK	Carbamidomethyl (C)[4]	Mascot
2192.1155	2192.1182	0.0027	1	21661	21680	ILAENEYGVGLPVETMEA IK	Oxidation (M)[16]	Mascot
2192.1155	2192.1182	0.0027	1	21661	21680	ILAENEYGVGLPVETMEA IK	Oxidation (M)[16]	Mascot
2207.0801	2207.0408	-0.0393	-18	26462	26480	FTVSGLTQNESYEFVRM AK		Mascot
2211.0713	2211.0518	-0.0195	-9	29957	29976	TPLCPPEPPSFPPEIMDV TK	Oxidation (M)[16]	Mascot
2221.1248	2221.103	-0.0218	-10	29857	29876	VIGRPDPPEGPLFDDIQ AR		Mascot
2225.0479	2225.0647	0.0168	8	18756	18774	HPFDPPSEPLNCCVNVK SK	Carbamidomethyl (C)[12,13]	Mascot
2225.0479	2225.0647	0.0168	8	18756	18774	HPFDPPSEPLNCCVNVK SK	Carbamidomethyl (C)[12,13]	Mascot
2230.1106	2230.1079	-0.0027	-1	29738	29759	FRVMACNAGGAGEPAEI PGVVK	Carbamidomethyl (C)[6]	Mascot
2232.9575	2233.03	0.0725	32	1525	1542	MINEFGYCSLDYEVAYS	Carbamidomethyl (C)[8], Oxidation (M)[1]	Mascot
2283.104	2283.1248	0.0208	9	2802	2823	NVHFGDVGDKFVAGSA ETAAK		Mascot
2283.1284	2283.1248	-0.0036	-2	13772	13793	VRAVNVAGESEPSPSD		Mascot

	2284.1389	2284.1189	-0.02	-9	21385	21405	PVLCK ACDTIFQPGPPGNPRVLD TTK	Carbamidomethyl (C)[2]	Mascot		
	2297.1013	2297.0979	-0.0034	-1	488	506	IRKPMHVEGPQMEETD VR	Oxidation (M)[5]	Mascot		
	2299.1233	2299.1296	0.0063	3	30037	30058	VVAQNDIGQSEPGPVSE SVVCK	Carbamidomethyl (C)[21]	Mascot		
	2306.0732	2306.1018	0.0286	12	17825	17842	ETFFMVDKCVENHIYQFR		Mascot		
	2501.1753	2501.1995	0.0242	10	856	879	DETMSEISSVSDTGAPA APFFVK	Oxidation (M)[4]	Mascot		
	2584.2922	2584.1545	-0.1377	-53	26393	26416	SSDPVLAIACEPPNSVR VTDITK	Carbamidomethyl (C)[11]	Mascot		
	2872.4258	2872.3237	-0.1021	-36	28183	28208	RLDVIDTTSTASLVWMK PEHDGGSR		Mascot		
	3337.4834	3337.6814	0.198	59	4869	4900	DTGTYTCTAANEAGSSS CSSSVTVQEPVVFVK	Carbamidomethyl (C)[7,18]	Mascot		
20	Glutathione peroxidase 1b [Danio rerio]				gi 51859004		16361.4	7.68	6	37	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1120.5972	1120.5374	-0.0598	-53	91	99	FIIWSPVCR					Mascot
1165.6099	1165.7177	0.1078	92	125	135	FLTSGIDGDIK					Mascot
1165.6099	1165.7177	0.1078	92	125	135	FLTSGIDGDIK					Mascot
1179.6409	1179.5767	-0.0642	-54	109	119	FLIGSDGVPFK					Mascot
1279.6429	1279.7423	0.0994	78	40	50	YVRPGNGYEPK					Mascot
1335.7419	1335.6929	-0.049	-37	109	120	FLIGSDGVPFKR					Mascot
2297.1602	2297.0979	-0.0623	-27	100	119	NDIAWNFEKFLIGSDGVP FK					Mascot

21	tektin 2 [Danio rerio]				gi 37682089		48740.9	5.63	9	36	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.5789	1045.5411	-0.0378	-36	68	75	INDITRWK					Mascot
1190.5834	1190.6184	0.035	29	234	243	EEMQASVQIR					Mascot
1328.6943	1328.5773	-0.117	-88	127	138	ELVSDPVEAEK					Mascot
1579.8915	1579.7042	-0.1873	-119	357	370	QKLAQAQHSLSLQSLK					Mascot
1616.752	1616.7039	-0.0481	-30	371	383	QHEAQMMEELSRK					Mascot
1632.7468	1632.6975	-0.0493	-30	371	383	QHEAQMMEELSRK			Oxidation (M)[6]		Mascot
1648.7417	1648.6963	-0.0454	-28	371	383	QHEAQMMEELSRK			Oxidation (M)[6,7]		Mascot
1854.0219	1853.8535	-0.1684	-91	299	315	DIIGLEEDLQAKTAPLK					Mascot
2211.0261	2211.0518	0.0257	12	271	287	RTHHEEQAHDMQWQL K					Mascot
2283.1365	2283.1248	-0.0117	-5	2	22	ATLSSKPASRYSVSDWA					Mascot

	2283.1365	2283.1248	-0.0117	-5	2	22	TNNK ATLSSKPASRYSVSDWA TNNK										Mascot
	2584.1211	2584.1545	0.0334	13	80	101	ACAQEVDEEMDALTSK EEMER	Carbamidomethyl (C)[2]									Mascot
22	PREDICTED: hypothetical protein LOC100007481 [Danio rerio]					gi 326664865	157182.2	8.05	16	35	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4607	864.4717	0.011	13	883	889	VSVKEMR			Oxidation (M)[6]		Mascot
882.4719	882.5462	0.0743	84	684	690	QFAEFLK					Mascot
1045.5173	1045.5411	0.0238	23	874	882	QGSQSFVHR					Mascot
1118.551	1118.604	0.053	47	206	215	CEDGLQVAVK			Carbamidomethyl (C)[1]		Mascot
1221.6296	1221.5538	-0.0758	-62	336	346	LIDFGCGDLLR					Mascot
1233.6222	1233.5854	-0.0368	-30	180	189	DDIHSKYSIR					Mascot
1233.6222	1233.5854	-0.0368	-30	180	189	DDIHSKYSIR					Mascot
1310.6812	1310.6559	-0.0253	-19	943	954	SSNPPSLPNNKR					Mascot
1335.6176	1335.6929	0.0753	56	347	358	TSSYNTYSGTVR					Mascot
1413.7557	1413.7682	0.0125	9	463	474	RAIQEISNQAR					Mascot
1475.7682	1475.7218	-0.0464	-31	931	942	EYGHFQLPLPFK					Mascot
1616.8563	1616.7039	-0.1524	-94	322	335	MPNLLVNTETLEVK			Oxidation (M)[1]		Mascot
1632.7906	1632.6975	-0.0931	-57	1074	1087	SDIKEVHCCLVMAK			Carbamidomethyl (C)[8]		Mascot
1648.7855	1648.6963	-0.0892	-54	1074	1087	SDIKEVHCCLVMAK			Carbamidomethyl (C)[8], Oxidation (M)[12]		Mascot
1755.7683	1755.9348	0.1665	95	359	373	YCPPEFIDTGEYHGK					Mascot
1853.8527	1853.8535	0.0008	0	1033	1047	DFTVPRCYYPSFSK			Carbamidomethyl (C)[7]		Mascot
2299.1062	2299.1296	0.0234	10	665	683	WNRIVVEELDMTGDYPS FK					Mascot
2501.1216	2501.1995	0.0779	31	192	215	MGQGGCGSVYEGTRCE DGLQVAVK			Carbamidomethyl (C)[6]		Mascot

23	PREDICTED: hypothetical protein LOC559994 [Danio rerio]					gi 326677062	1030064.3	5.62	45	34	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.5032	850.5237	0.0205	24	247	253	LKELYGK					Mascot
850.5185	850.5237	0.0052	6	8569	8575	IKPFAFK					Mascot
864.4321	864.4717	0.0396	46	3272	3278	EERAFAFR					Mascot
870.5559	870.5187	-0.0372	-43	1536	1542	ALLLVWR					Mascot

882.4679	882.5462	0.0783	89	3102	3108	NLHEELK		Mascot
1045.5636	1045.5411	-0.0225	-22	8277	8285	DLEVRSAQK		Mascot
1062.536	1062.6647	0.1287	121	3153	3160	TKCLEQQR	Carbamidomethyl (C)[3]	Mascot
1118.5687	1118.604	0.0353	32	6531	6541	ESGKSVASEPK		Mascot
1120.5238	1120.5374	0.0136	12	6138	6146	QCVMEQVAR	Carbamidomethyl (C)[2]	Mascot
1179.5674	1179.5767	0.0093	8	2826	2835	DMDLLSQSVR	Oxidation (M)[2]	Mascot
1182.6841	1182.5671	-0.117	-99	1064	1073	VPERLQEALK		Mascot
1182.6841	1182.5671	-0.117	-99	1064	1073	VPERLQEALK		Mascot
1190.573	1190.6184	0.0454	38	6663	6671	HMLMELLCK	Carbamidomethyl (C)[8], Oxidation (M)[2]	Mascot
1221.6144	1221.5538	-0.0606	-50	5301	5311	TLQQGVTMSEK		Mascot
1279.6562	1279.7423	0.0861	67	5890	5900	TLKQDVTMSEK		Mascot
1310.7175	1310.6559	-0.0616	-47	4148	4158	TLNLHTEAKQR		Mascot
1328.6416	1328.5773	-0.0643	-48	1103	1113	DGSIRFCIDFR		Mascot
1391.7351	1391.7091	-0.026	-19	8002	8013	GGTWMLVIDQKK	Oxidation (M)[5]	Mascot
1413.7526	1413.7682	0.0156	11	2698	2709	TPIKHFFDSPPK		Mascot
1457.6794	1457.7173	0.0379	26	7671	7683	SESAPALTEYDFK		Mascot
1463.6649	1463.7169	0.052	36	3192	3204	TSDQSYSSVSFQK		Mascot
1475.7522	1475.7218	-0.0304	-21	6801	6813	QEAKILECSVAER		Mascot
1485.705	1485.712	0.007	5	3155	3165	CLEQQRHCVQK	Carbamidomethyl (C)[1,8]	Mascot
1616.8391	1616.7039	-0.1352	-84	3905	3919	ISHTSIYHGSSKTAK		Mascot
1632.8447	1632.6975	-0.1472	-90	5443	5457	LTEKSMPAVASPVMR	Oxidation (M)[6]	Mascot
1637.7874	1637.7745	-0.0129	-8	6757	6771	MACQETADKIEAISK		Mascot
1638.9438	1638.8115	-0.1323	-81	3297	3310	HVLKEPTLPALQHR		Mascot
1638.9438	1638.8115	-0.1323	-81	3297	3310	HVLKEPTLPALQHR		Mascot
1648.7847	1648.6963	-0.0884	-54	7781	7796	MPDTESAKPGKDSGTK		Mascot
1651.7719	1651.7683	-0.0036	-2	605	616	ERFCMYQGLLYR	Carbamidomethyl (C)[4], Oxidation (M)[5]	Mascot
1670.8141	1670.817	0.0029	2	7083	7096	CSAPVDLMLGHLWR	Carbamidomethyl (C)[1], Oxidation (M)[8]	Mascot
1682.8088	1682.7767	-0.0321	-19	4188	4202	LTEKSMATEASPVMR	Oxidation (M)[6,14]	Mascot
1755.9785	1755.9348	-0.0437	-25	1231	1247	LQAAGLTVNPQKCTIAK		Mascot
2191.8423	2192.1182	0.2759	126	7839	7857	MSESGDEKEEPMNGEM STR	Oxidation (M)[1,12,16]	Mascot
2191.8423	2192.1182	0.2759	126	7839	7857	MSESGDEKEEPMNGEM STR	Oxidation (M)[1,12,16]	Mascot
2207.207	2207.0408	-0.1662	-75	6697	6714	IHLLELQAKEHEEYLTk		Mascot
2211.126	2211.0518	-0.0742	-34	8508	8526	MSAAELQTTGVIYRLELC R	Carbamidomethyl (C)[18]	Mascot
2221.1406	2221.103	-0.0376	-17	3041	3057	HQLIQWREQQICVQAR	Carbamidomethyl (C)[13]	Mascot
2224.9873	2225.0647	0.0774	35	4312	4333	VTDAETSSQIGACAEDNE SGIK		Mascot
2224.9873	2225.0647	0.0774	35	4312	4333	VTDAETSSQIGACAEDNE		Mascot

2230.1643	2230.1079	-0.0564	-25	6653	6671	SGIK DSLLALESVKHMLMELLCK	Carbamidomethyl (C)[18]	Mascot
2233.0012	2233.03	0.0288	13	8235	8252	DSTELEEWMRCAHEQLQK		Mascot
2283.1333	2283.1248	-0.0085	-4	7195	7214	ESPQICQDLQSLLGHCRLR		Mascot
2283.1333	2283.1248	-0.0085	-4	7195	7214	ESPQICQDLQSLLGHCRLR		Mascot
2284.022	2284.1189	0.0969	42	3439	3458	RVLDCDAPFESEADTLMDR		Mascot
2297.1455	2297.0979	-0.0476	-21	8621	8639	VLLNQHWERLGELMNSSDR		Mascot
2299.0984	2299.1296	0.0312	14	2881	2901	VEDIQHLTVSSSDLAPCQNSR		Mascot
2306.0176	2306.1018	0.0842	37	8235	8252	DSTELEEWMRCAHEQLQK	Carbamidomethyl (C)[11], Oxidation (M)[9]	Mascot
2501.1218	2501.1995	0.0777	31	2814	2835	GMGDFCSDAQLRDMDLLSQSVR	Carbamidomethyl (C)[6]	Mascot
2584.248	2584.1545	-0.0935	-36	4168	4191	CASIEATEMSLGTGDIVQSKLTEK	Carbamidomethyl (C)[1], Oxidation (M)[9]	Mascot
2872.3003	2872.3237	0.0234	8	659	681	HFYWPGLNSVVAQYCKTCPECQK	Carbamidomethyl (C)[15,18,21]	Mascot

24 tektin 2 [Danio rerio] gi|310689065 48533.7 5.63 9 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5789	1045.5411	-0.0378	-36	68	75	INDITRWK					Mascot
1190.5834	1190.6184	0.035	29	231	240	EEMQASVQIR					Mascot
1328.6943	1328.5773	-0.117	-88	127	138	ELVSDPVEAELK					Mascot
1579.8915	1579.7042	-0.1873	-119	354	367	QKLAQAQHSLSLK					Mascot
1616.752	1616.7039	-0.0481	-30	368	380	QHEAQMMEELSRK					Mascot
1632.7468	1632.6975	-0.0493	-30	368	380	QHEAQMMEELSRK			Oxidation (M)[6]		Mascot
1648.7417	1648.6963	-0.0454	-28	368	380	QHEAQMMEELSRK			Oxidation (M)[6,7]		Mascot
1854.0219	1853.8535	-0.1684	-91	296	312	DIIGLEEDLQAKTAPLK					Mascot
2211.0261	2211.0518	0.0257	12	268	284	RTHHEEQAHHDMQWQLK					Mascot
2283.1365	2283.1248	-0.0117	-5	2	22	ATLSSKPASRYSVSDWATNNK					Mascot
2283.1365	2283.1248	-0.0117	-5	2	22	ATLSSKPASRYSVSDWATNNK					Mascot
2584.1211	2584.1545	0.0334	13	80	101	ACAAQEVDDEMDALTLSKEEMER			Carbamidomethyl (C)[2]		Mascot

25 steroid hormone receptor ERR1 [Danio rerio] gi|47086129 47615.2 8.16 9 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	1051.7238	1051.6859	-0.0379	-36	392	400	LLLTLP LLR										Mascot
	1221.6144	1221.5538	-0.0606	-50	239	249	TLTTLCDLADR										Mascot
	1277.6888	1277.6538	-0.035	-27	55	65	YSPPLYTPALR										Mascot
	1328.5825	1328.5773	-0.0052	-4	14	29	AEPSSPEGGGGGGGGGR										Mascot
	1335.8834	1335.6929	-0.1905	-143	389	400	AGRLLLTLP LLR										Mascot
	1626.9174	1626.7155	-0.2019	-124	314	329	VAGLTELNAAISQLAR										Mascot
	1638.6949	1638.8115	0.1166	71	30	48	TSPGGASSDSSQSGGG GSR										Mascot
	1638.6949	1638.8115	0.1166	71	30	48	TSPGGASSDSSQSGGG GSR										Mascot
	1853.7566	1853.8535	0.0969	52	70	89	EEGADGAEESTGSGG GRCK										Mascot
	2233.0525	2233.03	-0.0225	-10	417	436	GGVPMHKLFLFLEMM DSP										Mascot
	2297.032	2297.0979	0.0659	29	417	436	GGVPMHKLFLFLEMM DSP						Oxidation (M)[5,12,16,17]				Mascot
26	PREDICTED: pleckstrin homology domain-containing family H member 2 [Danio rerio]					gi 326672868	159281.4	6.64	17	33	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4195	842.4905	0.071	84	1269	1275	WSFFGAK					Mascot
864.4396	864.4717	0.0321	37	131	136	EWVMRK			Oxidation (M)[4]		Mascot
996.4236	996.572	0.1484	149	1073	1080	LNQDMGMR			Oxidation (M)[5,7]		Mascot
996.4236	996.572	0.1484	149	1073	1080	LNQDMGMR			Oxidation (M)[5,7]		Mascot
1165.7191	1165.7177	-0.0014	-1	358	368	SPILTPVLTPK					Mascot
1165.7191	1165.7177	-0.0014	-1	358	368	SPILTPVLTPK					Mascot
1179.6521	1179.5767	-0.0754	-64	1217	1225	QVLERFYPK					Mascot
1190.576	1190.6184	0.0424	36	1147	1156	QVSGETERER					Mascot
1221.6321	1221.5538	-0.0783	-64	1332	1344	LVVAESSGSGTSK					Mascot
1279.6012	1279.7423	0.1411	110	213	224	SISTLQEDSGDK					Mascot
1310.5317	1310.6559	0.1242	95	2	13	AECDESTGGAWK			Carbamidomethyl (C)[3]		Mascot
1443.6686	1443.6772	0.0086	6	787	797	MWEARVEEHK					Mascot
1457.5671	1457.7173	0.1502	103	1	13	MAECDESTGGAWK			Carbamidomethyl (C)[4], Oxidation (M)[1]		Mascot
1463.7965	1463.7169	-0.0796	-54	151	162	HQLEAEIQVLR					Mascot
1475.7827	1475.7218	-0.0609	-41	780	791	FPLGQIKMWEAR					Mascot
1797.8282	1797.9182	0.09	50	254	271	LSCGASSVLSSTASEGE R			Carbamidomethyl (C)[3]		Mascot
1853.9537	1853.8535	-0.1002	-54	1252	1267	GQTSSECIRIYLTVAR			Carbamidomethyl (C)[7]		Mascot
2230.1497	2230.1079	-0.0418	-19	676	695	KPLGQIELNACSTITRGD EK			Carbamidomethyl (C)[11]		Mascot
3337.6892	3337.6814	-0.0078	-2	1369	1399	STQQHMAAAHLSAPAL					Mascot

27 amylo-1, 6-glucosidase, 4-alpha-glucanotransferase gi|289547621 173383.7 6.08 17 33 0
 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.5257	850.5237	-0.002	-2	422	428	KHPLVTR					Mascot
850.5257	850.5237	-0.002	-2	422	428	KHPLVTR					Mascot
1104.6047	1104.5546	-0.0501	-45	306	314	IEALVEQFR					Mascot
1104.6047	1104.5546	-0.0501	-45	306	314	IEALVEQFR					Mascot
1182.6113	1182.5671	-0.0442	-37	781	790	TVERQTGTYSK					Mascot
1182.6113	1182.5671	-0.0442	-37	781	790	TVERQTGTYSK					Mascot
1190.6085	1190.6184	0.0099	8	1280	1291	DGSAVEIVGLCK					Mascot
1328.6117	1328.5773	-0.0344	-26	45	55	VYTNYPTEGER					Mascot
1391.5492	1391.7091	0.1599	115	579	591	EAMSAGDSHEEGR			Oxidation (M)[3]		Mascot
1413.722	1413.7682	0.0462	33	876	889	AGSVPDSNTPDILK					Mascot
1443.8358	1443.6772	-0.1586	-110	286	297	GVLWQEVFPKIK					Mascot
1457.6591	1457.7173	0.0582	40	950	961	NDLGHPFCDNLR			Carbamidomethyl (C)[8]		Mascot
1463.7345	1463.7169	-0.0176	-12	5	16	QTRVMVLNDMEK					Mascot
1475.7675	1475.7218	-0.0457	-31	483	494	ELICWGDSVKLR			Carbamidomethyl (C)[4]		Mascot
1616.7849	1616.7039	-0.081	-50	136	148	CLGPLDEWSDRLR			Carbamidomethyl (C)[1]		Mascot
1637.7635	1637.7745	0.011	7	735	748	HCPSTHQSVVAVCR			Carbamidomethyl (C)[2,13]		Mascot
2210.9812	2211.0518	0.0706	32	1334	1351	NFEKMFYVSHDPNDPNEK					Mascot
2297.0801	2297.0979	0.0178	8	525	544	LDNCHSTPLHVAEFMLDAAR			Carbamidomethyl (C)[4]		Mascot
2306.0461	2306.1018	0.0557	24	636	658	SVYDSLPSAIVSMACCATGSTR					Mascot
2584.3379	2584.1545	-0.1834	-71	974	996	LVSRRGGPLAEVGQWFQAMFAYLK			Oxidation (M)[18]		Mascot

28 ryanodine receptor 1b (skeletal) [Danio rerio] gi|169146264 308125.7 4.98 23 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4495	864.4717	0.0222	26	1832	1839	IEIMGASK			Oxidation (M)[4]		Mascot
1042.5527	1042.557	0.0043	4	1592	1600	DIIDEPGKR					Mascot
1045.5425	1045.5411	-0.0014	-1	300	307	LLTNHYER					Mascot
1051.5605	1051.6859	0.1254	119	157	165	ASMVLFLDR					Mascot
1104.587	1104.5546	-0.0324	-29	1291	1299	MTPLYNIPR					Mascot

	1104.62	1104.5546	-0.0654	-59	460	467	EIYRWPIK						Mascot
	1118.5299	1118.604	0.0741	66	147	156	MSASFVPDHK						Mascot
	1120.5819	1120.5374	-0.0445	-40	1291	1299	MTPLYNIPR				Oxidation (M)[1]		Mascot
	1413.7419	1413.7682	0.0263	19	1291	1301	MTPLYNIPRHR				Oxidation (M)[1]		Mascot
	1443.7994	1443.6772	-0.1222	-85	1953	1964	SIVNFLSLFTFR						Mascot
	1457.7094	1457.7173	0.0079	5	1224	1235	WQMALYKETSGK				Oxidation (M)[3]		Mascot
	1463.5872	1463.7169	0.1297	89	2692	2703	CWDFFPAGDCFR						Mascot
	1531.7322	1531.7145	-0.0177	-12	1854	1865	NQWEMPQVRESK						Mascot
	1579.7971	1579.7042	-0.0929	-59	233	245	AIMIDSM LHTIYR				Oxidation (M)[3]		Mascot
	1648.7035	1648.6963	-0.0072	-4	2692	2704	CWDFFPAGDCFRK				Carbamidomethyl (C)[1]		Mascot
	1651.7228	1651.7683	0.0455	28	2619	2631	DQREQVREDMETK				Oxidation (M)[10]		Mascot
	1670.882	1670.817	-0.065	-39	1457	1472	LGISILNGGNSDVQQR						Mascot
	1682.9635	1682.7767	-0.1868	-111	270	282	YLRPSMLQHLLRR						Mascot
	1755.8547	1755.9348	0.0801	46	749	764	AGLRSFFESAADDIEK						Mascot
	1853.9027	1853.8535	-0.0492	-27	1866	1881	RQFIFDVVNEGGESEK						Mascot
	2229.8894	2230.1079	0.2185	98	2550	2566	CDDMMTCYLFHMYVGVR				Carbamidomethyl (C)[1,7], Oxidation (M)[4,5]		Mascot
	2283.2205	2283.1248	-0.0957	-42	1050	1068	DEFAVLCRDLYALYPLLIR						Mascot
	2283.2205	2283.1248	-0.0957	-42	1050	1068	DEFAVLCRDLYALYPLLIR						Mascot
	2872.5247	2872.3237	-0.201	-70	258	281	DVIEDCLMSLVKYLRPSM LQHLLR						Mascot
	3337.5386	3337.6814	0.1428	43	946	975	GPENFPEQEGCLCTDVT SEQLNQLLSIMK				Carbamidomethyl (C)[11]		Mascot
29	Ppp1r3b protein [Danio rerio]				gi 190337192		33606.4	5.74	8	33	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1051.5782	1051.6859	0.1077	102	157	165	NISFEKSVK						Mascot
	1179.6521	1179.5767	-0.0754	-64	166	174	LRITFDTWK						Mascot
	1233.7062	1233.5854	-0.1208	-98	233	242	NYRIIQSALR						Mascot
	1233.7062	1233.5854	-0.1208	-98	233	242	NYRIIQSALR						Mascot
	1335.5997	1335.6929	0.0932	70	175	185	NHTDVECQYVK						Mascot
	1797.8081	1797.9182	0.1101	61	132	145	IENDHVCLEHCMLK				Carbamidomethyl (C)[7,11]		Mascot
	2211.1001	2211.0518	-0.0483	-22	2	20	PIELAMSLYLSSDEFLNP R				Oxidation (M)[6]		Mascot
	2229.9829	2230.1079	0.125	56	175	193	NHTDVECQYVKDITYTGS NR						Mascot
	2284.0703	2284.1189	0.0486	21	168	185	ITFDTWKNHTDVECQYVK				Carbamidomethyl (C)[14]		Mascot
30	PREDICTED: hypothetical protein LOC562472 [Danio rerio]				gi 68362780		171051.4	8.98	19	32	0		

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
882.5229	882.5462	0.0233	26	758	764 LMQLLHK					Mascot
996.5109	996.572	0.0611	61	375	382 DKVTYTNR					Mascot
996.5109	996.572	0.0611	61	375	382 DKVTYTNR					Mascot
1042.4663	1042.557	0.0907	87	1111	1118 FDTYPMPR			Oxidation (M)[6]		Mascot
1051.5605	1051.6859	0.1254	119	361	369 LTSLCYVPR					Mascot
1062.5612	1062.6647	0.1035	97	206	214 DLREALMAK			Oxidation (M)[7]		Mascot
1233.6949	1233.5854	-0.1095	-89	1342	1352 KFLVQVDASAR					Mascot
1233.6949	1233.5854	-0.1095	-89	1342	1352 KFLVQVDASAR					Mascot
1277.6848	1277.6538	-0.031	-24	75	84 REEGLIYELR					Mascot
1310.6012	1310.6559	0.0547	42	798	808 FVSDNGKDWDK					Mascot
1335.7518	1335.6929	-0.0589	-44	1383	1394 YATIEKEGLAIK					Mascot
1463.7642	1463.7169	-0.0473	-32	1140	1151 GYWQVPLEKTSR					Mascot
1485.7656	1485.712	-0.0536	-36	118	131 GPSVTQNPTLSTQR					Mascot
1531.8049	1531.7145	-0.0904	-59	1225	1238 AGLTLNVAKCEWAR					Mascot
1579.8148	1579.7042	-0.1106	-70	361	374 LTSLCYVPREGDVK					Mascot
1632.8163	1632.6975	-0.1188	-73	132	146 VADSPPPPPMRPESR					Mascot
1638.8308	1638.8115	-0.0193	-12	1105	1118 LNAVSKFDTPMPR					Mascot
1638.8308	1638.8115	-0.0193	-12	1105	1118 LNAVSKFDTPMPR					Mascot
1648.8112	1648.6963	-0.1149	-70	132	146 VADSPPPPPMRPESR			Oxidation (M)[10]		Mascot
1797.8112	1797.9182	0.107	60	147	161 MPAFQEGEDVENYLR					Mascot
2297.1328	2297.0979	-0.0349	-15	500	521 ADLEPLPAMDDSLIQGEG GKPK			Oxidation (M)[9]		Mascot
2501.2903	2501.1995	-0.0908	-36	1167	1188 TMPFGLHGAPATFQRLM NQVLR			Oxidation (M)[2]		Mascot
2584.2712	2584.1545	-0.1167	-45	848	870 SWEASSTTAEGETNIVKF VLQMR					Mascot
31	PREDICTED: hypothetical protein LOC560599 [Danio rerio]				gi 125820806	23741.5	4.38	6	32	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1120.5004	1120.5374	0.037	33	156	164	KEEEVEDDK				Mascot
1469.7819	1469.7172	-0.0647	-44	55	67	DQLRQGVGVENR				Mascot
1475.7787	1475.7218	-0.0569	-39	46	58	MVFAPGGLRDQLR			Oxidation (M)[1]	Mascot
1651.8398	1651.7683	-0.0715	-43	32	45	KLNTETNGQYTVQR				Mascot

	2233.1624	2233.03	-0.1324	-59	59	77	QGVGVVENRFDVHIWPQ PR							Mascot
	2298.8535	2299.1296	0.2761	120	87	105	DEDDENDQDKQNDTCTE ER							Mascot
32	glutathione peroxidase 1b [Danio rerio]				gi 169636422		21638	7.66	6	32	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1120.5972	1120.5374	-0.0598	-53	139	147	FIIWSPVCR					Mascot
1165.6099	1165.7177	0.1078	92	173	183	FLTSGIDGDIK					Mascot
1165.6099	1165.7177	0.1078	92	173	183	FLTSGIDGDIK					Mascot
1179.6409	1179.5767	-0.0642	-54	157	167	FLIGSDGVPFK					Mascot
1279.6429	1279.7423	0.0994	78	88	98	YVRPGNGYEPK					Mascot
1335.7419	1335.6929	-0.049	-37	157	168	FLIGSDGVPFKR					Mascot
2297.1602	2297.0979	-0.0623	-27	148	167	NDIAWNFEKFLIGSDGVP FK					Mascot

33	unnamed protein product [Danio rerio]				gi 157676717		68416.5	6.64	10	32	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1104.616	1104.5546	-0.0614	-56	415	424	GVFANLTNLR					Mascot
1104.616	1104.5546	-0.0614	-56	415	424	GVFANLTNLR					Mascot
1165.5959	1165.7177	0.1218	104	323	332	NGQIVSYQTR					Mascot
1165.5959	1165.7177	0.1218	104	323	332	NGQIVSYQTR					Mascot
1277.6228	1277.6538	0.031	24	569	578	ELKNEIMCPK			Carbamidomethyl (C)[8], Oxidation (M)[7]		Mascot
1443.6793	1443.6772	-0.0021	-1	333	345	IPPLSCPQPCTCK			Carbamidomethyl (C)[6]		Mascot
1463.7311	1463.7169	-0.0142	-10	556	568	CASPVQFSNIELR					Mascot
1616.9006	1616.7039	-0.1967	-122	95	110	LQNIEGGAFVGLSALK					Mascot
1632.7434	1632.6975	-0.0459	-28	346	360	AHPSPDFGISVSCQER					Mascot
1670.7148	1670.817	0.1022	61	259	273	QELCPMGTGSDFDVVR			Oxidation (M)[6]		Mascot
1718.98	1718.8324	-0.1476	-86	361	376	NIQSLADLIPKPPNAK					Mascot
2584.0491	2584.1545	0.1054	41	24	45	AETCSACSCMSIENVLYV NCEK			Carbamidomethyl (C)[4,7,9], Oxidation (M)[10]		Mascot

34	adenylyl cyclase-associated protein 2 [Danio rerio]				gi 41387192		51394.1	5.94	9	32	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.4905	-0.0301	-36	8	14	LERAVVR					Mascot

1042.6003	1042.557	-0.0433	-42	2	10	EALVGRLER	Mascot
1104.5718	1104.5546	-0.0172	-16	360	369	VNSIIVDNCK	Mascot
1104.5718	1104.5546	-0.0172	-16	360	369	VNSIIVDNCK	Mascot
1118.6204	1118.604	-0.0164	-15	311	320	HPPVLELEGK	Mascot
1120.5674	1120.5374	-0.03	-27	443	451	EFPVPEQFK	Mascot
1179.5562	1179.5767	0.0205	17	416	426	DSLDCIEIVSAK	Mascot
1310.631	1310.6559	0.0249	19	201	211	EGHCTGLIWSK	Mascot
1853.8221	1853.8535	0.0314	17	427	442	SSEMNILVPEGEDDYR	Mascot
2297.0789	2297.0979	0.019	8	406	426	TEGCHVYLSKDSLDCIEIVSAK	Mascot

35 caspase-2 [Danio rerio] gi|111607486 49545.4 6.17 8 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.507	996.572	0.065	65	93	100	LLMDFTEK					Mascot
996.507	996.572	0.065	65	93	100	LLMDFTEK					Mascot
1042.4366	1042.557	0.1204	115	1	9	MLGECGMTK			Carbamidomethyl (C)[5], Oxidation (M)[1]		Mascot
1062.5361	1062.6647	0.1286	121	213	221	DLTAEAMRR					Mascot
1104.5167	1104.5546	0.0379	34	189	198	GGEVDEETLR					Mascot
1104.5167	1104.5546	0.0379	34	189	198	GGEVDEETLR	10		0		Mascot
1277.5388	1277.6538	0.115	90	413	423	EMSEFTSSLCK			Oxidation (M)[2]		Mascot
1469.6703	1469.7172	0.0469	32	400	412	EGYAPGSAHHRCK			Carbamidomethyl (C)[12]		Mascot
2207.189	2207.0408	-0.1482	-67	380	399	ANNTHLSDILVQVNGQIKSR					Mascot
2211.0349	2211.0518	0.0169	8	413	430	EMSEFTSSLCKDLYLFPK			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot

36 alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C [Danio rerio] gi|55925363 52220.8 7.19 6 32 0 17 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1104.5181	1104.5546	0.0365	33	161	169	RNFNDAPDR					Mascot
1104.5181	1104.5546	0.0365	33	161	169	RNFNDAPDR	17		0		Mascot
1120.6949	1120.5374	-0.1575	-141	141	150	GRLLVIHANK					Mascot
1277.7212	1277.6538	-0.0674	-53	130	140	ISREFAVQLSK					Mascot
1310.7216	1310.6559	-0.0657	-50	151	161	EHYPPLTGLKR					Mascot
1469.811	1469.7172	-0.0938	-64	430	442	VTAAQPEWVIISR					Mascot
2297.1367	2297.0979	-0.0388	-17	364	385	VQIHTGSDGKDELASADV					Mascot

37 arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 3 [Danio rerio] ELGR gi|131889644 94940.4 5.88 13 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4478	842.4905	0.0427	51	494	501	KPGPNSSR					Mascot
1062.5135	1062.6647	0.1512	142	130	138	EDMEIAQVK					Mascot
1118.6245	1118.604	-0.0205	-18	837	845	TWLIYTPPK					Mascot
1165.5453	1165.7177	0.1724	148	789	797	LARMNEEMR			Oxidation (M)[4]		Mascot
1165.5453	1165.7177	0.1724	148	789	797	LARMNEEMR			Oxidation (M)[4]		Mascot
1179.6368	1179.5767	-0.0601	-51	664	673	ELDPNTLLHK					Mascot
1182.5129	1182.5671	0.0542	46	340	349	SCMLQAESEK			Carbamidomethyl (C)[2]		Mascot
1182.5129	1182.5671	0.0542	46	340	349	SCMLQAESEK			Carbamidomethyl (C)[2]		Mascot
1279.5769	1279.7423	0.1654	129	521	532	MCGSEALLEGGR			Carbamidomethyl (C)[2]		Mascot
1391.6658	1391.7091	0.0433	31	317	328	LCSVKPCEDIER					Mascot
1485.7809	1485.712	-0.0689	-46	105	116	QQLHSFVKEDVR					Mascot
1493.8071	1493.7106	-0.0965	-65	664	676	ELDPNTLLHKASR					Mascot
1638.8533	1638.8115	-0.0418	-26	56	69	LFVNGIRDLSHHCK					Mascot
1638.8533	1638.8115	-0.0418	-26	56	69	LFVNGIRDLSHHCK					Mascot
1755.8516	1755.9348	0.0832	47	39	55	LCSGMIEAGRAYATANK					Mascot
2284.1431	2284.1189	-0.0242	-11	259	278	VEFNVDAPNGVMEGYL FKR					Mascot

38 Zgc:153795 protein [Danio rerio] gi|92097819 42352.1 5.79 10 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1233.535	1233.5854	0.0504	41	253	263	CVVPSDSGPCR			Carbamidomethyl (C)[1,10]		Mascot
1233.535	1233.5854	0.0504	41	253	263	CVVPSDSGPCR			Carbamidomethyl (C)[1,10]		Mascot
1277.71	1277.6538	-0.0562	-44	233	244	EQEGPVIPAIPK					Mascot
1632.8003	1632.6975	-0.1028	-63	362	375	EELLPAEEPVSYEK					Mascot
1637.7522	1637.7745	0.0223	14	253	267	CVVPSDSGPCRASFR			Carbamidomethyl (C)[1]		Mascot
1638.692	1638.8115	0.1195	73	26	40	TADGPQECNLVNCMK			Oxidation (M)[14]		Mascot
1638.692	1638.8115	0.1195	73	26	40	TADGPQECNLVNCMK			Oxidation (M)[14]		Mascot
1648.7893	1648.6963	-0.093	-56	177	191	CQSPAVTGNCRAAIK			Carbamidomethyl (C)[1,10]		Mascot
1651.76	1651.7683	0.0083	5	11	25	ACCEREDCQLALIGK					Mascot
1682.6342	1682.7767	0.1425	85	293	306	YGSEECMSVCSTK			Carbamidomethyl (C)[7,11], Oxidation (M)[8]		Mascot

	2211.0122	2211.0518	0.0396	18	158	176	NDVDPKALTEMTSEEFQ EK										Mascot
	2220.9319	2221.103	0.1711	77	288	306	GNLNRYGSEEECMSVCS TK						Carbamidomethyl (C)[12,16]				Mascot
39	PREDICTED: zinc finger protein 271-like [Danio rerio] gi 326666322 31744.7 9.68 10 31 0																

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
996.5359	996.572	0.0361	36	138	146	SFTQVSSLK						Mascot
996.5359	996.572	0.0361	36	138	146	SFTQVSSLK						Mascot
1062.5803	1062.6647	0.0844	79	259	267	AHERIHTAK						Mascot
1118.551	1118.604	0.053	47	7	16	ISIMSHTGEK				Oxidation (M)[4]		Mascot
1182.4594	1182.5671	0.1077	91	157	164	EYFCFECK				Carbamidomethyl (C)[4,7]		Mascot
1182.4594	1182.5671	0.1077	91	157	164	EYFCFECK				Carbamidomethyl (C)[4,7]		Mascot
1190.6389	1190.6184	-0.0205	-17	147	156	NHEKIHTGVR						Mascot
1310.5543	1310.6559	0.1016	78	157	165	EYFCFECKK				Carbamidomethyl (C)[4,7]		Mascot
1718.7626	1718.8324	0.0698	41	235	249	IHTGEKPYTCSHCDK						Mascot
2207.012	2207.0408	0.0288	13	207	224	IHTGEKPYACSHCDKTFR				Carbamidomethyl (C)[10,13]		Mascot
2224.9976	2225.0647	0.0671	30	204	221	HERIHTGEKPYACSHCD K				Carbamidomethyl (C)[13,16]		Mascot
2224.9976	2225.0647	0.0671	30	204	221	HERIHTGEKPYACSHCD K				Carbamidomethyl (C)[13,16]		Mascot
2283.0757	2283.1248	0.0491	22	38	57	RIHTGEKPFSCQTQCGQSF TR						Mascot
2283.0757	2283.1248	0.0491	22	38	57	RIHTGEKPFSCQTQCGQSF TR						Mascot

40	ectodermal-neural cortex (with BTB-like domain) [Danio rerio] gi 47777321 31766.1 6.05 5 31 0 15 0																
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
864.421	864.4717	0.0507	59	254	260	SLSWDTR						Mascot
1104.6523	1104.5546	-0.0977	-88	43	51	RVFTDVVLR						Mascot
1104.6523	1104.5546	-0.0977	-88	43	51	RVFTDVVLR	15		0			Mascot
1120.6514	1120.5374	-0.114	-102	265	273	LWKTQFVAK						Mascot
1179.5952	1179.5767	-0.0185	-16	52	61	AGHRVFPCHR						Mascot
1637.7628	1637.7745	0.0117	7	70	83	YFEAMFSGGLKESR				Oxidation (M)[5]		Mascot

41	PREDICTED: u2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 2 [Da gi 189525066 74762.6 9.52 12 31 0																
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Peptide Information

	Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	996.4971	996.572	0.0749	75	183	190 ANCPFFLK			Carbamidomethyl (C)[3]		Mascot
	996.4971	996.572	0.0749	75	183	190 ANCPFFLK			Carbamidomethyl (C)[3]		Mascot
	1104.5531	1104.5546	0.0015	1	76	84 LKVDEESER					Mascot
	1104.5531	1104.5546	0.0015	1	76	84 LKVDEESER					Mascot
	1182.5975	1182.5671	-0.0304	-26	181	190 DKANCPFFLK					Mascot
	1182.5975	1182.5671	-0.0304	-26	181	190 DKANCPFFLK					Mascot
	1391.6082	1391.7091	0.1009	73	217	228 GMFVSFGMEQSR			Oxidation (M)[2]		Mascot
	1413.6692	1413.7682	0.099	70	85	94 LHQEWMERER					Mascot
	1463.6267	1463.7169	0.0902	62	373	384 HMSGRDGMWSQR			Oxidation (M)[2]		Mascot
	1469.7343	1469.7172	-0.0171	-12	500	513 SNSPEHVSKNQSVK					Mascot
	1531.7144	1531.7145	0.0001	0	217	229 GMFVSFGMEQSRR					Mascot
	1638.7839	1638.8115	0.0276	17	203	216 KHDHPASSCTLMVR			Carbamidomethyl (C)[9]		Mascot
	1638.7839	1638.8115	0.0276	17	203	216 KHDHPASSCTLMVR			Carbamidomethyl (C)[9]		Mascot
	1670.6744	1670.817	0.1426	85	5	19 GCCSIQTETQDSEN					Mascot
	2232.9165	2233.03	0.1135	51	1	19 MTEKGCCSIQTETQDSE NR			Carbamidomethyl (C)[6], Oxidation (M)[1]		Mascot
	2872.3027	2872.3237	0.021	7	271	294 VSCNFEPHLRGNVYVQY ETEEQCK					Mascot

42 hypothetical protein LOC436894 [Danio rerio] gi|50540310 28008.1 8.18 8 31 0

Peptide Information

	Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	864.4495	864.4717	0.0222	26	184	190 LETMNLK			Oxidation (M)[4]		Mascot
	996.5433	996.572	0.0287	29	114	121 MLLELFSK			Oxidation (M)[1]		Mascot
	996.5433	996.572	0.0287	29	114	121 MLLELFSK			Oxidation (M)[1]		Mascot
	1182.5836	1182.5671	-0.0165	-14	30	38 FCPFAQRTR			Carbamidomethyl (C)[2]		Mascot
	1182.5836	1182.5671	-0.0165	-14	30	38 FCPFAQRTR			Carbamidomethyl (C)[2]		Mascot
	1190.6099	1190.6184	0.0085	7	21	29 DHIRLYSMR					Mascot
	1391.7893	1391.7091	-0.0802	-58	45	56 GIKYDTININLK					Mascot
	1463.804	1463.7169	-0.0871	-60	110	121 AQRRLLELFSK					Mascot
	1616.8544	1616.7039	-0.1505	-93	101	113 LLPFDPFERAQQR					Mascot
	1718.7804	1718.8324	0.052	30	214	227 ATMFSTETYMVFYK					Mascot

43 PREDICTED: tRNA-dihydrouridine synthase 2-like [Danio rerio] gi|292628574 56676.6 6.04 11 31 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	842.473	842.4905	0.0175	21	436	443 TLGLPEGR					Mascot
	1045.4628	1045.5411	0.0783	75	288	295 YCLCQMLR			Oxidation (M)[6]		Mascot
	1051.6007	1051.6859	0.0852	81	180	190 TGVAIAIVHGR					Mascot
	1062.5538	1062.6647	0.1109	104	328	336 TTAELESRR					Mascot
	1182.6113	1182.5671	-0.0442	-37	444	454 IGEEHSGLVNK					Mascot
	1182.6113	1182.5671	-0.0442	-37	444	454 IGEEHSGLVNK					Mascot
	1277.6041	1277.6538	0.0497	39	129	141 GGMGSALLSDPEK			Oxidation (M)[3]		Mascot
	1310.7361	1310.6559	-0.0802	-61	180	192 TGVAIAIVHGRMK					Mascot
	1391.6802	1391.7091	0.0289	21	386	396 LEQPVYETEQR					Mascot
	1648.8176	1648.6963	-0.1213	-74	384	396 EKLEQPVYETEQR					Mascot
	1959.9658	1960.0217	0.0559	29	60	76 VENDVLQTIDFVAPDER					Mascot
	2299.1387	2299.1296	-0.0091	-4	259	278 QQGALSVDQVMQEITY AVR					Mascot

44 conserved oligomeric Golgi complex subunit 2 [Danio rerio] gi|47087011 82297.4 6.05 12 31 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	864.4495	864.4717	0.0222	26	649	655 KMEESLK					Mascot
	1045.5598	1045.5411	-0.0187	-18	517	525 IPDISEMIK					Mascot
	1120.5527	1120.5374	-0.0153	-14	352	361 QCGSQASVKR			Carbamidomethyl (C)[2]		Mascot
	1310.6772	1310.6559	-0.0213	-16	262	273 SSPNGLKVMYAK			Oxidation (M)[9]		Mascot
	1335.7208	1335.6929	-0.0279	-21	375	384 WNLPVYFQLR					Mascot
	1469.7634	1469.7172	-0.0462	-31	43	53 EDLEQYRLLK					Mascot
	1632.9155	1632.6975	-0.218	-134	274	286 LLEFVPHHCRLLR					Mascot
	1638.7866	1638.8115	0.0249	15	2	15 MTLPKAPDSLCFDK			Carbamidomethyl (C)[11], Oxidation (M)[1]		Mascot
	1638.7866	1638.8115	0.0249	15	2	15 MTLPKAPDSLCFDK			Carbamidomethyl (C)[11], Oxidation (M)[1]		Mascot
	1718.74	1718.8324	0.0924	54	7	20 APDSLCFDKDEFMK			Carbamidomethyl (C)[6], Oxidation (M)[13]		Mascot
	1755.8635	1755.9348	0.0713	41	424	437 CWTQDQVYLPPLAHR			Carbamidomethyl (C)[1]		Mascot
	2230.1284	2230.1079	-0.0205	-9	594	613 ASAYMDNALRPLHQLVT DSK					Mascot
	2584.3188	2584.1545	-0.1643	-64	614	635 NVVKDSIIQEWLQVTLSD CTHR					Mascot

45 protein-associating with the carboxyl-terminal domain of ezrin [Danio rerio] gi|41054469 85270.2 5.3 11 30 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	882.4427	882.5462	0.1035	117	349	355 VNEEHVR					Mascot
	1045.5823	1045.5411	-0.0412	-39	622	630 ALRLNPSMK			Oxidation (M)[8]		Mascot
	1165.6622	1165.7177	0.0555	48	59	67 TLRHPCLLR			Carbamidomethyl (C)[6]		Mascot
	1165.6622	1165.7177	0.0555	48	59	67 TLRHPCLLR			Carbamidomethyl (C)[6]		Mascot
	1179.6885	1179.5767	-0.1118	-95	308	317 SFLPHLLQPK					Mascot
	1190.6263	1190.6184	-0.0079	-7	258	267 SLTLKNEEEK					Mascot
	1328.6997	1328.5773	-0.1224	-92	268	277 NEFFKFLDR					Mascot
	1531.8552	1531.7145	-0.1407	-92	294	307 LLNSLVFAEPMVK					Mascot
	1797.9705	1797.9182	-0.0523	-29	604	621 STALSLSSEPSAGPLRPSK					Mascot
	2283.0889	2283.1248	0.0359	16	688	706 KFEPELDFADFMIPDIK			Oxidation (M)[14]		Mascot
	2283.0889	2283.1248	0.0359	16	688	706 KFEPELDFADFMIPDIK			Oxidation (M)[14]		Mascot
	2297.1189	2297.0979	-0.021	-9	318	337 QDSSVNAGEECLLSLSLYRR			Carbamidomethyl (C)[11]		Mascot
	2872.1187	2872.3237	0.205	71	568	592 EDDGEEPWDDFEDSEVTSDQSPSTR					Mascot
46	hypothetical protein LOC562009 [Danio rerio]				gi 116235420		47967.8	5.46	10	30	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1233.535	1233.5854	0.0504	41	304	314 CVVPSDSGPCR			Carbamidomethyl (C)[1,10]		Mascot
	1233.535	1233.5854	0.0504	41	304	314 CVVPSDSGPCR			Carbamidomethyl (C)[1,10]		Mascot
	1277.71	1277.6538	-0.0562	-44	284	295 EQEGPVIPAIK					Mascot
	1632.8003	1632.6975	-0.1028	-63	413	426 EELLPAEEPVSYEK					Mascot
	1637.7522	1637.7745	0.0223	14	304	318 CVVPSDSGPCRASFR			Carbamidomethyl (C)[1]		Mascot
	1638.692	1638.8115	0.1195	73	77	91 TADGPQECNLVNCMK			Oxidation (M)[14]		Mascot
	1638.692	1638.8115	0.1195	73	77	91 TADGPQECNLVNCMK			Oxidation (M)[14]		Mascot
	1648.7893	1648.6963	-0.093	-56	228	242 CQSPAVTGNCRASIK			Carbamidomethyl (C)[1,10]		Mascot
	1651.76	1651.7683	0.0083	5	62	76 ACCEREDCQLALIGK					Mascot
	1682.6342	1682.7767	0.1425	85	344	357 YGSEEECMSVCSTK			Carbamidomethyl (C)[7,11], Oxidation (M)[8]		Mascot
	2211.0122	2211.0518	0.0396	18	209	227 NDVDPKALTEMTSEEFQEK					Mascot
	2220.9319	2221.103	0.1711	77	339	357 GNLNRYGSEEECMSVCS TK			Carbamidomethyl (C)[12,16]		Mascot
47	tropomyosin alpha-4 chain isoform 2 [Danio rerio]				gi 47085929		28484.4	4.63	8	30	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
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[illegible]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5094	842.4905	-0.0189	-22	1522	1529	LSIPGVTR					Mascot
850.5396	850.5237	-0.0159	-19	4200	4206	FLLTKTK					Mascot
850.5396	850.5237	-0.0159	-19	4200	4206	FLLTKTK					Mascot
864.4937	864.4717	-0.022	-25	6550	6556	GYIVERK					Mascot
882.4315	882.5462	0.1147	130	12144	12151	DGSSFTLR					Mascot
996.5373	996.572	0.0347	35	670	676	QYQFRVR					Mascot
996.5373	996.572	0.0347	35	670	676	QYQFRVR					Mascot
1042.5204	1042.557	0.0366	35	13471	13478	ELSEVYFR					Mascot
1045.6404	1045.5411	-0.0993	-95	2435	2444	GTKFVVPGLK					Mascot
1051.6259	1051.6859	0.06	57	18684	18693	SPIASPPRVK					Mascot
1062.6306	1062.6647	0.0341	32	14911	14919	IVGYVVERK					Mascot
1104.5684	1104.5546	-0.0138	-12	148	157	GWQAVDTTVK					Mascot
1104.5684	1104.5546	-0.0138	-12	148	157	GWQAVDTTVK					Mascot
1118.6205	1118.604	-0.0165	-15	10489	10497	EKNSILWTK					Mascot
1120.6361	1120.5374	-0.0987	-88	2970	2980	VPDAPQAPVVK					Mascot
1165.6211	1165.7177	0.0966	83	14756	14766	VSAENKFGVSK					Mascot
1165.6211	1165.7177	0.0966	83	14756	14766	VSAENKFGVSK					Mascot
1179.6078	1179.5767	-0.0311	-26	14620	14628	VTWKLEEMK			Oxidation (M)[8]		Mascot
1182.6187	1182.5671	-0.0516	-44	14856	14866	VYAMNIAGLSK			Oxidation (M)[4]		Mascot
1182.6187	1182.5671	-0.0516	-44	14856	14866	VYAMNIAGLSK			Oxidation (M)[4]		Mascot

1190.6263	1190.6184	-0.0079	-7	16255	16265	SLKSDESVTPK		Mascot
1221.6626	1221.5538	-0.1088	-89	10810	10819	LLPGNEYIFR		Mascot
1233.662	1233.5854	-0.0766	-62	18875	18885	IQGGSEMVIKR	Oxidation (M)[7]	Mascot
1233.7201	1233.5854	-0.1347	-109	9620	9630	NTDFKAVLVVK		Mascot
1277.7688	1277.6538	-0.115	-90	2490	2501	EKIVVHAGGVIR		Mascot
1279.7256	1279.7423	0.0167	13	12882	12892	LNTGTYELKIK		Mascot
1310.6587	1310.6559	-0.0028	-2	3808	3818	VKGLTEDTEYR		Mascot
1335.6208	1335.6929	0.0721	54	4476	4486	DKVEMEGEQVR	Oxidation (M)[5]	Mascot
1391.6624	1391.7091	0.0467	34	8975	8986	VLDTPDMPANFR	Oxidation (M)[7]	Mascot
1413.7737	1413.7682	-0.0055	-4	17756	17768	VSGTPAPTCLKWEK		Mascot
1443.7446	1443.6772	-0.0674	-47	3189	3202	AMAGTHINIMAGIK	Oxidation (M)[2]	Mascot
1457.6147	1457.7173	0.1026	70	3989	4000	TWAMISSDCTNR	Carbamidomethyl (C)[9], Oxidation (M)[4]	Mascot
1463.7264	1463.7169	-0.0095	-6	14293	14305	LTSPEIDIDADFK		Mascot
1469.8032	1469.7172	-0.086	-59	15675	15687	EMPKIDLTGIPQK		Mascot
1475.7601	1475.7218	-0.0383	-26	16447	16459	VFAENETGLSRPR		Mascot
1485.7155	1485.712	-0.0035	-2	5792	5804	ITNLEAGQAYCFR		Mascot
1493.7166	1493.7106	-0.006	-4	14434	14445	LSWQEVSECTR		Mascot
1531.8115	1531.7145	-0.097	-63	10787	10799	ETSRLSWTVVEPK		Mascot
1579.8148	1579.7042	-0.1106	-70	12951	12963	ETSRIMWSIIEK		Mascot
1616.8101	1616.7039	-0.1062	-66	8743	8755	VTGLLEMRSYEFR	Oxidation (M)[7]	Mascot
1626.7693	1626.7155	-0.0538	-33	7694	7708	ACDTIFQPGPPGNPR	Carbamidomethyl (C)[2]	Mascot
1632.7687	1632.6975	-0.0712	-44	3309	3323	DAASPQWVPICSSK	Carbamidomethyl (C)[11]	Mascot
1637.7628	1637.7745	0.0117	7	14749	14761	YMEYTRVSAENK		Mascot
1651.8174	1651.7683	-0.0491	-30	12107	12122	IGPSESPETDPQVAK		Mascot
1670.7955	1670.817	0.0215	13	5447	5461	DHMTVTWKAPANDGK		Mascot
1682.8265	1682.7767	-0.0498	-30	3222	3236	AEIETSGTTTKLEMR	Oxidation (M)[14]	Mascot
1718.9006	1718.8324	-0.0682	-40	2542	2556	SCLRQHQGIYLTAK		Mascot
1755.8582	1755.9348	0.0766	44	3404	3419	TVSIPECHVTGLEEGK	Carbamidomethyl (C)[7]	Mascot
1797.9381	1797.9182	-0.0199	-11	8993	9009	NSVTLTWEPPLLDGGAK		Mascot
1853.8309	1853.8535	0.0226	12	5030	5045	HPFDPPSEPLNCCVNK	Carbamidomethyl (C)[12]	Mascot
1959.952	1960.0217	0.0697	36	3757	3772	DYSCTYADLVWIKPTK	Carbamidomethyl (C)[4]	Mascot
2192.1155	2192.1182	0.0027	1	7970	7989	ILAENEYGVGLPVETMEAIK	Oxidation (M)[16]	Mascot
2192.1155	2192.1182	0.0027	1	7970	7989	ILAENEYGVGLPVETMEAIK	Oxidation (M)[16]	Mascot
2207.0801	2207.0408	-0.0393	-18	12771	12789	FTVSGLTQNESYEFRVMAK		Mascot
2211.0713	2211.0518	-0.0195	-9	16266	16285	TPLCPPEPPSFPPEIMDVTK	Oxidation (M)[16]	Mascot

	2221.1248	2221.103	-0.0218	-10	16166	16185	VIGRPDPPEGPLEFDDIQ AR						Mascot
	2225.0479	2225.0647	0.0168	8	5030	5048	HPFDPPSEPLNCCVNKV SK	Carbamidomethyl (C)[12,13]					Mascot
	2225.0479	2225.0647	0.0168	8	5030	5048	HPFDPPSEPLNCCVNKV SK	Carbamidomethyl (C)[12,13]					Mascot
	2230.1106	2230.1079	-0.0027	-1	16047	16068	FRVMACNAGGAGEPAEI PGVVK	Carbamidomethyl (C)[6]					Mascot
	2283.1284	2283.1248	-0.0036	-2	76	97	VRAVNVAGESEPSEPSD PVLCK						Mascot
	2283.1284	2283.1248	-0.0036	-2	76	97	VRAVNVAGESEPSEPSD PVLCK						Mascot
	2284.1389	2284.1189	-0.02	-9	7694	7714	ACDTIFQPGPPGNPRVLD TTK	Carbamidomethyl (C)[2]					Mascot
	2299.1233	2299.1296	0.0063	3	16346	16367	VVAQNIDIGQSEPGPVSE SVVCK	Carbamidomethyl (C)[21]					Mascot
	2306.0732	2306.1018	0.0286	12	4099	4116	ETFFMVDKCVENHIYQFR						Mascot
	2501.3545	2501.1995	-0.155	-62	18126	18146	SLSPTYIELMRPVSELIRQ PR	Oxidation (M)[10]					Mascot
	2584.2922	2584.1545	-0.1377	-53	12702	12725	SSDPVLAIACEPPNSVR VTDITK	Carbamidomethyl (C)[11]					Mascot
	2872.4258	2872.3237	-0.1021	-36	14492	14517	RLDVIDTTSTTASLVWMK PEHDGGSR						Mascot

49 PREDICTED: sterol 26-hydroxylase, mitochondrial [Danio rerio] gi|326670761 63520.1 8.95 9 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4243	864.4717	0.0474	55	318	324	MEAIQTR			Oxidation (M)[1]		Mascot
1051.5969	1051.6859	0.089	85	309	317	FGTKMINLK					Mascot
1104.5466	1104.5546	0.008	7	1	9	MNESVIQQR					Mascot
1104.5466	1104.5546	0.008	7	1	9	MNESVIQQR					Mascot
1120.5415	1120.5374	-0.0041	-4	1	9	MNESVIQQR			Oxidation (M)[1]		Mascot
1413.6532	1413.7682	0.115	81	169	181	GISYGPFTEEGEK					Mascot
1463.7709	1463.7169	-0.054	-37	313	324	MINLKMEAIQTR			Oxidation (M)[1]		Mascot
1670.8418	1670.817	-0.0248	-15	31	46	SVSIMAVSFALSSAER			Oxidation (M)[5]		Mascot
1797.8654	1797.9182	0.0528	29	166	181	DLRGISYGPFTEEGEK					Mascot
1853.9479	1853.8535	-0.0944	-51	47	62	LWCFLRPTTAATGFR			Carbamidomethyl (C)[4]		Mascot
2283.2053	2283.1248	-0.0805	-35	240	259	FSLEGIASILFETRIGCLEK			Carbamidomethyl (C)[17]		Mascot
2283.2053	2283.1248	-0.0805	-35	240	259	FSLEGIASILFETRIGCLEK			Carbamidomethyl (C)[17]		Mascot

50 PREDICTED: saccin [Danio rerio] gi|326670429 254713.7 7.13 1 20 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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1104.6234 1104.5546 -0.0688 -62 306 314 WLVTTCLLR

20 0

2 Mascot

Gel Idx/Pos	182/H9	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	protein disulfide-isomerase A4 [Danio rerio]	gi 41054259	72669.4	4.99	24	603	100	441	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
829.4276	829.5081	0.0805	97	500	506	SFVMAFK					Mascot
882.577	882.5466	-0.0304	-34	525	533	GPVKVVVGK					Mascot
885.5152	885.4941	-0.0211	-24	295	301	QVQELLR					Mascot
907.4784	907.4562	-0.0222	-24	429	435	VATQFWR	49	99.638			Mascot
907.4784	907.4562	-0.0222	-24	429	435	VATQFWR					Mascot
939.4318	939.4149	-0.0169	-18	263	270	AFDYNGPR					Mascot
939.4318	939.4149	-0.0169	-18	263	270	AFDYNGPR	49	99.691			Mascot
940.4846	940.4044	-0.0802	-85	156	163	SEHAIVER					Mascot
1011.4781	1011.454	-0.0241	-24	96	103	QFAPEYEK					Mascot
1041.6316	1041.6078	-0.0238	-23	392	400	HILPLVGHR					Mascot
1068.5724	1068.5441	-0.0283	-26	247	256	FGVSGYPTLK					Mascot
1140.5935	1140.5654	-0.0281	-25	132	141	FEVSGYPTIK					Mascot
1248.6067	1248.5758	-0.0309	-25	235	246	VDATAESDLATR					Mascot
1470.6747	1470.6367	-0.038	-26	378	390	DSTPASEVQDFFK					Mascot
1598.7697	1598.7292	-0.0405	-25	378	391	DSTPASEVQDFFKK					Mascot
1683.8376	1683.7931	-0.0445	-26	597	611	VEGFPTIYFAPSNNK					Mascot
1683.8376	1683.7931	-0.0445	-26	597	611	VEGFPTIYFAPSNNK	71	99.998			Mascot
1700.7472	1700.7043	-0.0429	-25	486	499	YAMEPEEFDSDVLR					Mascot
1700.7472	1700.7043	-0.0429	-25	486	499	YAMEPEEFDSDVLR	119	100			Mascot
1711.7996	1711.7498	-0.0498	-29	273	288	FGIVDYMSDQAGPPSK					Mascot
1716.7421	1716.6989	-0.0432	-25	486	499	YAMEPEEFDSDVLR			Oxidation (M)[3]		Mascot
1716.7421	1716.6989	-0.0432	-25	486	499	YAMEPEEFDSDVLR	69	99.997	Oxidation (M)[3]		Mascot
1727.7944	1727.7474	-0.047	-27	273	288	FGIVDYMSDQAGPPSK			Oxidation (M)[7]		Mascot
1828.8422	1828.7953	-0.0469	-26	485	499	KYAMEPEEFDSDVLR					Mascot
1844.837	1844.792	-0.045	-24	485	499	KYAMEPEEFDSDVLR			Oxidation (M)[4]		Mascot
2017.0083	2016.9615	-0.0468	-23	464	484	SLGLSESGEEVNVGIVGE					Mascot

						GKK EVAQPDWKPPPEATLVLTK				Mascot
						SLGLSESGEEVNVGIVGE GGKK				Mascot
						EENGVLVLTDANFDTFIE GK				Mascot
						VKEVAQPDWKPPPEATLVLTk				Mascot
						DFPEYTFIAIDEEDYADELK	153	100		Mascot
						DFPEYTFIAIDEEDYADELK				Mascot
						DGDDAVIGVFSSDEDAYEIYQEACNSLR			Carbamidomethyl (C)[26]	Mascot
2	Protein disulfide isomerase associated 4 [Danio rerio]	gi 39645929	72766.5	4.99	24	601	100	441	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
829.4276	829.5081	0.0805	97	500	506	SFVMAFK				Mascot
882.577	882.5466	-0.0304	-34	525	533	GPVKVVVGK				Mascot
885.5152	885.4941	-0.0211	-24	295	301	QVQELLR				Mascot
907.4784	907.4562	-0.0222	-24	429	435	VATQFWR	49	99.638		Mascot
907.4784	907.4562	-0.0222	-24	429	435	VATQFWR				Mascot
939.4318	939.4149	-0.0169	-18	263	270	AFDYNGPR				Mascot
939.4318	939.4149	-0.0169	-18	263	270	AFDYNGPR	49	99.691		Mascot
940.4846	940.4044	-0.0802	-85	156	163	SEHAIVER				Mascot
1011.4781	1011.454	-0.0241	-24	96	103	QFAPEYEK				Mascot
1041.6316	1041.6078	-0.0238	-23	392	400	HILPLVGHR				Mascot
1068.5724	1068.5441	-0.0283	-26	247	256	FGVSGYPTLK				Mascot
1140.5935	1140.5654	-0.0281	-25	132	141	FEVSGYPTIK				Mascot
1248.6067	1248.5758	-0.0309	-25	235	246	VDATAESDLATR				Mascot
1470.6747	1470.6367	-0.038	-26	378	390	DSTPASEVQDFFK				Mascot
1598.7697	1598.7292	-0.0405	-25	378	391	DSTPASEVQDFFKK				Mascot
1683.8376	1683.7931	-0.0445	-26	597	611	VEGFPTIYFAPSNNK				Mascot
1683.8376	1683.7931	-0.0445	-26	597	611	VEGFPTIYFAPSNNK	71	99.998		Mascot
1700.7472	1700.7043	-0.0429	-25	486	499	YAMEPEEFDSVLR				Mascot
1700.7472	1700.7043	-0.0429	-25	486	499	YAMEPEEFDSVLR	119	100		Mascot
1711.7996	1711.7498	-0.0498	-29	273	288	FGIVDYMSDQAGPPSK				Mascot
1716.7421	1716.6989	-0.0432	-25	486	499	YAMEPEEFDSVLR			Oxidation (M)[3]	Mascot
1716.7421	1716.6989	-0.0432	-25	486	499	YAMEPEEFDSVLR	69	99.997	Oxidation (M)[3]	Mascot
1727.7944	1727.7474	-0.047	-27	273	288	FGIVDYMSDQAGPPSK			Oxidation (M)[7]	Mascot

1828.8422	1828.7953	-0.0469	-26	485	499	KYAMEPEEFDSDVLR				Mascot
1844.837	1844.792	-0.045	-24	485	499	KYAMEPEEFDSDVLR			Oxidation (M)[4]	Mascot
2017.0083	2016.9615	-0.0468	-23	464	484	SLGLSESGEEVNVGIVGE G GK				Mascot
2119.1433	2119.0906	-0.0527	-25	166	184	EVAQPDWKPPPEATLVL TK				Mascot
2145.1033	2145.0481	-0.0552	-26	464	485	SLGLSESGEEVNVGIVGE G GKK				Mascot
2211.0815	2211.0491	-0.0324	-15	60	79	EENGVLVLTDFNFDTFIE GK				Mascot
2346.3066	2346.2458	-0.0608	-26	164	184	VKEVAQPDWKPPPEATL VLTK				Mascot
2381.0344	2380.978	-0.0564	-24	444	463	DFPEYTFIAIDEEDYADE LK	153	100		Mascot
2381.0344	2380.978	-0.0564	-24	444	463	DFPEYTFIAIDEEDYADE LK				Mascot
3308.4536	3308.3765	-0.0771	-23	302	331	DGDDAIVGVFSSDEDA AYEIQEACNSLR			Carbamidomethyl (C)[26]	Mascot

Peptide Information

	1716.7421	1716.6989	-0.0432	-25	483	496	YAMEPEEFDSVDLR						Oxidation (M)[3]	Mascot
	1716.7421	1716.6989	-0.0432	-25	483	496	YAMEPEEFDSVDLR	69	99.997				Oxidation (M)[3]	Mascot
	1727.7944	1727.7474	-0.047	-27	270	285	FGIVDYMSDQAGPPSK						Oxidation (M)[7]	Mascot
	1828.8422	1828.7953	-0.0469	-26	482	496	KYAMEPEEFDSVDLR							Mascot
	1844.837	1844.792	-0.045	-24	482	496	KYAMEPEEFDSVDLR						Oxidation (M)[4]	Mascot
	2017.0083	2016.9615	-0.0468	-23	461	481	SLGLSESGEEVNVGIVGE GGK							Mascot
	2119.1433	2119.0906	-0.0527	-25	163	181	EVAQPDWKPPPEATLVL TK							Mascot
	2145.1033	2145.0481	-0.0552	-26	461	482	SLGLSESGEEVNVGIVGE GGKK							Mascot
	2211.0815	2211.0491	-0.0324	-15	57	76	EEENGVLVLTANFDTFIE GK							Mascot
	2346.3066	2346.2458	-0.0608	-26	161	181	VKEVAQPDWKPPPEATL VLTK							Mascot
	2381.0344	2380.978	-0.0564	-24	441	460	DFPEYTFIAIDEEDYADE LK	153	100					Mascot
	2381.0344	2380.978	-0.0564	-24	441	460	DFPEYTFIAIDEEDYADE LK							Mascot
	3308.4536	3308.3765	-0.0771	-23	299	328	DGDDAIVGVFSSDEDA AYEIYQEACNSLR						Carbamidomethyl (C)[26]	Mascot
4	Pdia4 protein [Danio rerio]				gi 66911899		25713.2	6.13	5	208	100	190	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
829.4276	829.5081	0.0805	97	83	89	SFVMAFK					Mascot
882.577	882.5466	-0.0304	-34	108	116	GPVKVVVGK					Mascot
1683.8376	1683.7931	-0.0445	-26	180	194	VEGFPTIYFAPSNNK					Mascot
1683.8376	1683.7931	-0.0445	-26	180	194	VEGFPTIYFAPSNNK	71	99.998			Mascot
1700.7472	1700.7043	-0.0429	-25	69	82	YAMEPEEFDSVDLR					Mascot
1700.7472	1700.7043	-0.0429	-25	69	82	YAMEPEEFDSVDLR	119	100			Mascot
1716.7421	1716.6989	-0.0432	-25	69	82	YAMEPEEFDSVDLR			Oxidation (M)[3]		Mascot
1716.7421	1716.6989	-0.0432	-25	69	82	YAMEPEEFDSVDLR	69	99.997	Oxidation (M)[3]		Mascot
1828.8422	1828.7953	-0.0469	-26	68	82	KYAMEPEEFDSVDLR					Mascot
1844.837	1844.792	-0.045	-24	68	82	KYAMEPEEFDSVDLR			Oxidation (M)[4]		Mascot

5	phenylalanyl-tRNA synthetase beta chain [Danio rerio]				gi 56090156		66112.6	5.06	10	58	92.783	23	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5168	842.4906	-0.0262	-31	469	475	KMPLPLK			Oxidation (M)[2]		Mascot
940.4781	940.4044	-0.0737	-78	148	154	LHQNICR			Carbamidomethyl (C)[6]		Mascot

	1011.5516	1011.454	-0.0976	-96	148	155	LHQNICRK						Mascot
	1068.5731	1068.5441	-0.029	-27	148	155	LHQNICRK				Carbamidomethyl (C)[6]		Mascot
	1350.7086	1350.6696	-0.039	-29	72	82	YDLLCLEGLVR				Carbamidomethyl (C)[5]		Mascot
	1599.8965	1599.8459	-0.0506	-32	558	572	SIGHLGVLHPDVISR						Mascot
	1700.9177	1700.7043	-0.2134	-125	320	335	VGINESAESIAQLLTR						Mascot
	1700.9177	1700.7043	-0.2134	-125	320	335	VGINESAESIAQLLTR	23		0			Mascot
	1829.0127	1828.7953	-0.2174	-119	319	335	KVGINESAESIAQLLTR						Mascot
	1940.9559	1940.9021	-0.0538	-28	340	357	SEVSGEDGQIQVEIPPTR						Mascot
	2156.2437	2156.1914	-0.0523	-24	110	129	LLITEETASVRPFAVA AVLR						Mascot
	2168.1267	2167.981	-0.1457	-67	246	264	ISLNTKNVFIECTATDLTK				Carbamidomethyl (C)[12]		Mascot
6	Ppp1r3b protein [Danio rerio]				gi 190337192		33606.4	5.74	9	45	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
940.4635	940.4044	-0.0591	-63	67	74	HVSFADHK					Mascot
1051.5782	1051.6881	0.1099	105	157	165	NISFEKSVK					Mascot
1068.5585	1068.5441	-0.0144	-13	66	74	KHVSFADHK					Mascot
1179.6521	1179.5751	-0.077	-65	166	174	LRITFDTWK					Mascot
1683.7651	1683.7931	0.028	17	132	145	IENDHVCLEHCMLK					Mascot
1683.7651	1683.7931	0.028	17	132	145	IENDHVCLEHCMLK					Mascot
1940.9027	1940.9021	-0.0006	0	132	147	IENDHVCLEHCMLKEK					Mascot
1997.9242	1997.839	-0.0852	-43	132	147	IENDHVCLEHCMLKEK			Carbamidomethyl (C)[7]		Mascot
1997.9242	1997.839	-0.0852	-43	132	147	IENDHVCLEHCMLKEK			Carbamidomethyl (C)[7]		Mascot
2038.9685	2038.8834	-0.0851	-42	21	39	ASKYSGPLQPCLNQCQS SK					Mascot
2211.1001	2211.0491	-0.051	-23	2	20	PIELAMSLYLSSDEFLNP R			Oxidation (M)[6]		Mascot
2284.0703	2284.1143	0.044	19	168	185	ITFDTWKNHTDVECQYVK			Carbamidomethyl (C)[14]		Mascot

7 RecName: Full=Adenosine deaminase; AltName: Full=Adenosine aminohydrolase

gi|81167689 40817.5 6.13 10 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
939.4208	939.4149	-0.0059	-6	150	156	SILCCMR			Carbamidomethyl (C)[4,5]		Mascot
939.4208	939.4149	-0.0059	-6	150	156	SILCCMR			Carbamidomethyl (C)[4,5]		Mascot
1068.5111	1068.5441	0.033	31	148	156	ARSILCCMR			Oxidation (M)[8]		Mascot
1234.679	1234.6483	-0.0307	-25	91	101	AKEGVYVEAR					Mascot

1248.6405	1248.5758	-0.0647	-52	1	11	MNGKPAFDKPK	Oxidation (M)[1]	Mascot
1470.741	1470.6367	-0.1043	-71	343	354	LLNQLYEAYGMR		Mascot
1598.8359	1598.7292	-0.1067	-67	343	355	LLNQLYEAYGMRK		Mascot
1599.9329	1599.8459	-0.087	-54	12	25	VELHVHLDGAIRLK		Mascot
1727.8785	1727.7474	-0.1311	-76	341	354	EKLLNQLYEAYGMR		Mascot
1887.8914	1887.9225	0.0311	16	157	171	HMPNWSMEVVELCKK	Carbamidomethyl (C)[13]	Mascot
3308.4956	3308.3765	-0.1191	-36	250	277	QLLHQNMHFEMCPVSSR LTGACEPDFTK	Carbamidomethyl (C)[12], Oxidation (M)[7,11]	Mascot

8 PREDICTED: si:dkey-170m15.2 [Danio rerio] gi|292624792 132327.3 7.37 15 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
885.4788	885.4941	0.0153	17	919	926	STPKSTHK					Mascot
939.4968	939.4149	-0.0819	-87	75	83	DCPLVAPPK					Mascot
939.4968	939.4149	-0.0819	-87	75	83	DCPLVAPPK					Mascot
996.5182	996.5735	0.0553	55	75	83	DCPLVAPPK			Carbamidomethyl (C)[2]		Mascot
1011.4411	1011.454	0.0129	13	48	56	MADSSESLR			Oxidation (M)[1]		Mascot
1045.516	1045.5391	0.0231	22	98	106	QTNITDEPK					Mascot
1165.6034	1165.7177	0.1143	98	440	449	FCEQAVTIVR					Mascot
1434.879	1434.7368	-0.1422	-99	724	736	LIGSREPLLLAR					Mascot
1700.7942	1700.7043	-0.0899	-53	42	56	TSMLTRMADSSESLR			Oxidation (M)[3]		Mascot
1700.7942	1700.7043	-0.0899	-53	42	56	TSMLTRMADSSESLR	0	0	Oxidation (M)[7]		Mascot
1707.8846	1707.7374	-0.1472	-86	436	449	ESLRFCEQAVTIVR			Carbamidomethyl (C)[6]		Mascot
1711.8506	1711.7498	-0.1008	-59	1122	1135	MLEAREAFQSCILK			Carbamidomethyl (C)[11], Oxidation (M)[1]		Mascot
1716.7891	1716.6989	-0.0902	-53	42	56	TSMLTRMADSSESLR			Oxidation (M)[3,7]		Mascot
1716.7891	1716.6989	-0.0902	-53	42	56	TSMLTRMADSSESLR	3	0	Oxidation (M)[3,7]		Mascot
1727.8633	1727.7474	-0.1159	-67	773	787	ATVQCQTSKSDVYIK			Carbamidomethyl (C)[5]		Mascot
1829.0565	1828.7953	-0.2612	-143	372	388	SIISKLPVVQIQTACK					Mascot
1887.9196	1887.9225	0.0029	2	525	541	LLEARSADETPEGWTGR					Mascot
1940.7823	1940.9021	0.1198	62	1104	1119	QMETCIGFQDTMDAYR			Oxidation (M)[2,12]		Mascot
1997.8038	1997.839	0.0352	18	1104	1119	QMETCIGFQDTMDAYR			Carbamidomethyl (C)[5], Oxidation (M)[2,12]		Mascot
1997.8038	1997.839	0.0352	18	1104	1119	QMETCIGFQDTMDAYR			Carbamidomethyl (C)[5], Oxidation (M)[2,12]		Mascot
2168.0098	2167.981	-0.0288	-13	1141	1158	KMEEEKPMETVEQVETES K			Oxidation (M)[2]		Mascot
2283.1875	2283.1204	-0.0671	-29	663	682	MFSPIPVCILHVINNDTLE K					Mascot

9 exosome component 10 [Danio rerio] gi|210147550 102307.7 8.64 14 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4389	882.5466	0.1077	122	880	887	SMSYVPAK					Mascot
939.5258	939.4149	-0.1109	-118	399	406	NSLDHLLK					Mascot
939.5258	939.4149	-0.1109	-118	399	406	NSLDHLLK					Mascot
996.5948	996.5735	-0.0213	-21	179	186	NIQRPQLK					Mascot
1041.5377	1041.6078	0.0701	67	891	898	GFRHNWPK					Mascot
1045.5636	1045.5391	-0.0245	-23	105	113	NKLTGLEDR					Mascot
1570.7972	1570.736	-0.0612	-39	597	610	KPQSTLFGPHDTSR					Mascot
1652.89	1652.7042	-0.1858	-112	393	406	CLNLGRNSLDHLLK			Carbamidomethyl (C)[1]		Mascot
1844.9348	1844.792	-0.1428	-77	779	795	ERAASDVSEDSLKPNVK					Mascot
1888.0022	1887.9225	-0.0797	-42	781	798	AASDVSEDSLKPNVKLSK					Mascot
2017.0138	2016.9615	-0.0523	-26	302	318	LAKTTEFAVDLEHHSYR					Mascot
2119.0542	2119.0906	0.0364	17	499	515	SFNTQQLAAFRLMYAWR			Oxidation (M)[13]		Mascot
2283.1079	2283.1204	0.0125	5	830	848	QDFKPYDYSQSNFKLFA GK					Mascot
2346.2188	2346.2458	0.027	12	107	127	LTGLEDRFDLVVDANDAI LEK					Mascot
2381.0935	2380.978	-0.1155	-49	518	537	LAREEDESTGYILPNHMM MK			Oxidation (M)[17]		Mascot
2381.0935	2380.978	-0.1155	-49	518	537	LAREEDESTGYILPNHMM MK			Oxidation (M)[17]		Mascot

10 PREDICTED: calcium-dependent secretion activator 1 gi|326668736 141178 5.62 16 38 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.4635	868.4709	0.0074	9	1125	1131	HSQDILR					Mascot
1041.5364	1041.6078	0.0714	69	123	130	DRFESFLK					Mascot
1045.5459	1045.5391	-0.0068	-7	280	288	LQMADQIAR					Mascot
1179.6343	1179.5751	-0.0592	-50	578	586	ILWVQAMYR					Mascot
1350.6504	1350.6696	0.0192	14	161	173	MVQTGGLSALDCR					Mascot
1493.7166	1493.697	-0.0196	-13	789	800	CLEQAAQINYQR			Carbamidomethyl (C)[1]		Mascot
1599.7791	1599.8459	0.0668	42	982	995	MKLMSSDMIETSVK					Mascot
1700.7288	1700.7043	-0.0245	-14	1032	1046	DQSAKLCAMEMGQEK			Oxidation (M)[9,11]		Mascot
1700.7288	1700.7043	-0.0245	-14	1032	1046	DQSAKLCAMEMGQEK			Oxidation (M)[9,11]		Mascot
1838.9213	1838.8722	-0.0491	-27	1016	1031	IPLSLCTMFNVMDAK			Carbamidomethyl (C)[6]		Mascot
1910.9463	1910.8079	-0.1384	-72	161	177	MVQTGGLSALDCREVFK			Carbamidomethyl (C)[12]		Mascot

	1910.9463	1910.8079	-0.1384	-72	161	177	MVQTGGLSALDCREVFK		Carbamidomethyl (C)[12]	Mascot	
	2145.1775	2145.0481	-0.1294	-60	587	606	ATGQSHKVPPTQVQKL NSK			Mascot	
	2156.0554	2156.1914	0.136	63	789	806	CLEQAAQINYQRITDYAR			Mascot	
	2168.0474	2167.981	-0.0664	-31	377	395	SLAPNRIVYCTMEVEGG QK		Carbamidomethyl (C)[10], Oxidation (M)[12]	Mascot	
	2224.9397	2225.0632	0.1235	56	1	20	MLDPSSSEESDGIVEEE SR			Mascot	
	2224.9397	2225.0632	0.1235	56	1	20	MLDPSSSEESDGIVEEE SR			Mascot	
	2233.166	2233.0325	-0.1335	-60	84	101	LQLYVFVMRCIAYPFNAK		Carbamidomethyl (C)[10]	Mascot	
	2346.1055	2346.2458	0.1403	60	50	72	GSSARPTSPSPAASEE KEDVEK			Mascot	
11	CTAGE family, member 5 [Danio rerio]				gi 41053471		77796.7	5.5	13	38	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4417	850.5214	0.0797	94	404	410	LTDAQFR					Mascot
940.4734	940.4044	-0.069	-73	264	271	EDLHEGIK					Mascot
1011.5217	1011.454	-0.0677	-67	117	124	IHEINTER					Mascot
1051.567	1051.6881	0.1211	115	15	23	VLETFSEVK					Mascot
1068.5659	1068.5441	-0.0218	-20	634	643	GPLPPGMFPR					Mascot
1350.5236	1350.6696	0.146	108	170	181	SHAGMMEDCANK			Carbamidomethyl (C)[9]		Mascot
1683.7386	1683.7931	0.0545	32	157	169	LSELEEEEMKMCER			Carbamidomethyl (C)[11]		Mascot
1683.7386	1683.7931	0.0545	32	157	169	LSELEEEEMKMCER			Carbamidomethyl (C)[11]		Mascot
1711.6469	1711.7498	0.1029	60	170	184	SHAGMMEDCANKDDR			Oxidation (M)[5,6]		Mascot
1819.8966	1819.7543	-0.1423	-78	29	45	LESTLQNNGMSARAAEK					Mascot
1828.6903	1828.7953	0.105	57	166	181	MCERSHAGMMEDCANK			Oxidation (M)[1]		Mascot
1844.6853	1844.792	0.1067	58	166	181	MCERSHAGMMEDCANK			Oxidation (M)[1,9]		Mascot
2020.0016	2019.8184	-0.1832	-91	46	63	DTLEVASQKLEQSNAQM K					Mascot
2233.0725	2233.0325	-0.04	-18	605	623	DPHFPHRGPFGPPDYFP PR					Mascot
2283.136	2283.1204	-0.0156	-7	294	311	LQKKLQIMTEMYQENEL K			Oxidation (M)[8]		Mascot

12 Unknown (protein for IMAGE:7251921) [Danio rerio] gi|148744663 44771.3 6.74 10 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
907.3751	907.4562	0.0811	89	91	98	SESDADQR					Mascot
907.3751	907.4562	0.0811	89	91	98	SESDADQR					Mascot

	1570.7361	1570.736	-0.0001	0	188	201	RCIAGVCVCQMPYK					Mascot
	1599.7432	1599.8459	0.1027	64	241	253	TCKTDENVQTTFR			Carbamidomethyl (C)[2]		Mascot
	1700.7739	1700.7043	-0.0696	-41	188	201	RCIAGVCVCQMPYK			Carbamidomethyl (C)[2,7], Oxidation (M)[11]		Mascot
	1700.7739	1700.7043	-0.0696	-41	188	201	RCIAGVCVCQMPYK			Carbamidomethyl (C)[2,7], Oxidation (M)[11]		Mascot
	1711.7882	1711.7498	-0.0384	-22	244	258	TDENVQTTFRNSGDK					Mascot
	1998.0802	1997.839	-0.2412	-121	3	20	ILCAFIFICVLQSASLEK					Mascot
	1998.0802	1997.839	-0.2412	-121	3	20	ILCAFIFICVLQSASLEK					Mascot
	2144.969	2145.0481	0.0791	37	111	130	STTESPNTNSQQNPANT PEK					Mascot
	2211.2029	2211.0491	-0.1538	-70	2	20	RILCAFIFICVLQSASLEK			Carbamidomethyl (C)[4]		Mascot
	2283.083	2283.1204	0.0374	16	268	287	GKMLVCGSEWNIAANV FCR			Carbamidomethyl (C)[6,19]		Mascot
	2283.9502	2284.1143	0.1641	72	209	229	ACTLDGAEFYSMCQTNAI ACR			Oxidation (M)[12]		Mascot
	2403.03	2402.9583	-0.0717	-30	300	319	ASKMQYVELEGEDWPD QCMK			Oxidation (M)[4]		Mascot
13	Ppp4r2a protein [Danio rerio]				gi 38173867		48758.5	4.37	9	36	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4199	850.5214	0.1015	119	165	172	KGSSCVNR					Mascot
907.4413	907.4562	0.0149	16	165	172	KGSSCVNR	3	0	Carbamidomethyl (C)[5]		Mascot
907.4413	907.4562	0.0149	16	165	172	KGSSCVNR			Carbamidomethyl (C)[5]		Mascot
1045.5598	1045.5391	-0.0207	-20	127	135	LCELLTEPK					Mascot
1140.5605	1140.5654	0.0049	4	76	84	LEKVMDDFK			Oxidation (M)[5]		Mascot
1598.6937	1598.7292	0.0355	22	79	91	VMDDFKASCPEQR			Carbamidomethyl (C)[9], Oxidation (M)[2]		Mascot
1683.8444	1683.7931	-0.0513	-30	151	165	NVMVSCVYPTSEKK					Mascot
1683.8444	1683.7931	-0.0513	-30	151	165	NVMVSCVYPTSEKK					Mascot
1707.837	1707.7374	-0.0996	-58	20	34	HTSTMEIDTLLGAFR			Oxidation (M)[5]		Mascot
2119.0276	2119.0906	0.063	30	92	109	GPANPNVEYIPFEEMKQ R					Mascot
2186.0798	2185.9915	-0.0883	-40	1	19	SLLPSFCFQLDSERLESS K					Mascot
2186.0798	2185.9915	-0.0883	-40	1	19	SLLPSFCFQLDSERLESS K					Mascot
2211.075	2211.0491	-0.0259	-12	20	38	HTSTMEIDTLLGAFRDFF K					Mascot

14	PREDICTED: calcium-dependent secretion activator 1 [Danio rerio]				gi 326668734		142952	5.72	16	36	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	868.4635	868.4709	0.0074	9	1138	1144	HSQDILR									Mascot
	1041.5364	1041.6078	0.0714	69	123	130	DRFESFLK									Mascot
	1045.5459	1045.5391	-0.0068	-7	280	288	LQMADQIAR									Mascot
	1179.6343	1179.5751	-0.0592	-50	578	586	ILWVQAMYP									Mascot
	1350.6504	1350.6696	0.0192	14	161	173	MVQTGGLSALDCR									Mascot
	1493.7166	1493.697	-0.0196	-13	802	813	CLEQAAQINYQR					Carbamidomethyl (C)[1]				Mascot
	1599.7791	1599.8459	0.0668	42	995	1008	MKLMSSDMIETSVK									Mascot
	1700.7288	1700.7043	-0.0245	-14	1045	1059	DQSAKLCAMEMGQEK					Oxidation (M)[9,11]				Mascot
	1700.7288	1700.7043	-0.0245	-14	1045	1059	DQSAKLCAMEMGQEK					Oxidation (M)[9,11]				Mascot
	1838.9213	1838.8722	-0.0491	-27	1029	1044	IPLSLCTMFNMVMDAK					Carbamidomethyl (C)[6]				Mascot
	1910.9463	1910.8079	-0.1384	-72	161	177	MVQTGGLSALDCREVFK					Carbamidomethyl (C)[12]				Mascot
	1910.9463	1910.8079	-0.1384	-72	161	177	MVQTGGLSALDCREVFK					Carbamidomethyl (C)[12]				Mascot
	2145.1775	2145.0481	-0.1294	-60	587	606	ATGQSHKVPPTQVQKL NSK									Mascot
	2156.0554	2156.1914	0.136	63	802	819	CLEQAAQINYQRITDYAR									Mascot
	2168.0474	2167.981	-0.0664	-31	377	395	SLAPNRIVYCTMEVEGG QK					Carbamidomethyl (C)[10], Oxidation (M)[12]				Mascot
	2224.9397	2225.0632	0.1235	56	1	20	MLDPSSSEESDGIIVVEE SR									Mascot
	2224.9397	2225.0632	0.1235	56	1	20	MLDPSSSEESDGIIVVEE SR									Mascot
	2233.166	2233.0325	-0.1335	-60	84	101	LQLYVFMRCIAYPFNAK					Carbamidomethyl (C)[10]				Mascot
	2346.1055	2346.2458	0.1403	60	50	72	GSSARPTSPSPAASEE KEDVEK									Mascot
15	novel protein [Danio rerio]				gi 94733367		48029.7	9.11	12	36	0					

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	885.4901	885.4941	0.004	5	1	7 PISERQR					Mascot
	1045.5789	1045.5391	-0.0398	-38	282	290 SFAQKSHLK					Mascot
	1068.5507	1068.5441	-0.0066	-6	310	318 SFMKATDLR					Mascot
	1248.5712	1248.5758	0.0046	4	17	26 MSDPEPCRIK			Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot
	1707.7941	1707.7374	-0.0567	-33	295	309 IHTGVREFVCSDCGK			Carbamidomethyl (C)[10]		Mascot
	1819.9358	1819.7543	-0.1815	-100	25	39 IKQEETEELIDVMVK			Oxidation (M)[13]		Mascot
	1910.8557	1910.8079	-0.0478	-25	210	225 MIHTGEKPFTCTQCGK			Carbamidomethyl (C)[11,14], Oxidation (M)[1]		Mascot
	1910.8557	1910.8079	-0.0478	-25	210	225 MIHTGEKPFTCTQCGK			Carbamidomethyl (C)[11,14], Oxidation (M)[1]		Mascot
	2016.963	2016.9615	-0.0015	-1	264	281 HLIGHTKEKPYSCECGK					Mascot
	2156.0125	2156.1914	0.1789	83	123	141 RHLGVHSTERPYSCPEC GK					Mascot
	2225.03	2225.0632	0.0332	15	207	225 YHKMIHTGEKPFTCTQC GK			Oxidation (M)[4]		Mascot

	2225.03	2225.0632	0.0332	15	207	225	YHKMIHTGEKPFCTCTQC GK					Oxidation (M)[4]	Mascot
	2232.9883	2233.0325	0.0442	20	95	113	HHMMIHAGEKPHKCDQC SK					Oxidation (M)[3]	Mascot
	2283.0757	2283.1204	0.0447	20	351	369	IHTGEKPFCTCTQCGRSFT R					Carbamidomethyl (C)[10,13]	Mascot
16	novel protein similar to vertebrate tropomyosin 4 (TPM4) (zgc:63909) [Danio rerio]					gi 94732583	23433.8	4.6	8	35	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.3975	850.5214	0.1239	146	54	60	AMKDEEK					Mascot
940.4482	940.4044	-0.0438	-47	73	80	HIAEEADR					Mascot
1068.5432	1068.5441	0.0009	1	73	81	HIAEEADRK					Mascot
1165.5592	1165.7177	0.1585	136	61	69	MEIQEMQLK			Oxidation (M)[1]		Mascot
1234.5732	1234.6483	0.0751	61	99	109	AEERAEEVAECK					Mascot
1434.7322	1434.7368	0.0046	3	172	184	SIDDLLEKLSSAK					Mascot
1493.7338	1493.697	-0.0368	-25	61	72	MEIQEMQLKEAK			Oxidation (M)[1]		Mascot
1727.8922	1727.7474	-0.1448	-84	12	25	IQLVEEELDRAQER					Mascot

17	PREDICTED: metabotropic glutamate receptor 5-like [Danio rerio]					gi 292611331	130054.1	8.37	16	35	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.5257	850.5214	-0.0043	-5	270	276	LRSHLPK					Mascot
1051.5684	1051.6881	0.1197	114	950	957	YPVTYRPR					Mascot
1068.5684	1068.5441	-0.0243	-23	841	850	SAFTTSTVVR					Mascot
1140.4659	1140.5654	0.0995	87	134	144	CSTEGGGTPMK			Carbamidomethyl (C)[1], Oxidation (M)[10]		Mascot
1234.5555	1234.6483	0.0928	75	74	83	VEAMMHTLDR			Oxidation (M)[4,5]		Mascot
1475.7238	1475.7256	0.0018	1	391	402	ESLRHQYAQDTK					Mascot
1598.76	1598.7292	-0.0308	-19	277	290	ARVVACFCEGMTVR			Carbamidomethyl (C)[6]		Mascot
1683.8271	1683.7931	-0.034	-20	193	206	YFMRVVPDAQQAR			Oxidation (M)[3]		Mascot
1683.8271	1683.7931	-0.034	-20	193	206	YFMRVVPDAQQAR			Oxidation (M)[3]		Mascot
1707.9349	1707.7374	-0.1975	-116	655	671	LGIGLSPAMSYALVTK					Mascot
1933.8596	1933.9635	0.1039	54	1096	1113	ASPASLFDSTYDSSCAVR			Carbamidomethyl (C)[15]		Mascot
1940.9712	1940.9021	-0.0691	-36	317	334	YDVTGDFQREAAGGITIK					Mascot
2118.9988	2119.0906	0.0918	43	279	297	VVACFCEGMTVRGILMA MR			Oxidation (M)[9,16]		Mascot
2149.0938	2148.9441	-0.1497	-70	888	904	TVTWAQNERSYRPNLWK					Mascot

	2167.9932	2167.981	-0.0122	-6	423	442	SLCPGYAGLCEAMRPID GGK		Carbamidomethyl (C)[3,10], Oxidation (M)[13]	Mascot
	2233.0417	2233.0325	-0.0092	-4	279	297	VVACFCEGMTVRGILMA MR		Carbamidomethyl (C)[4,6], Oxidation (M)[9,16]	Mascot
	2283.0522	2283.1204	0.0682	30	450	471	TNFSGVSGEVVLFDENG DSPGR			Mascot
	2498.1873	2498.2664	0.0791	32	805	827	IITMCFSVSLSATTALCCM FVPK		Oxidation (M)[4,19]	Mascot
18	integrin-linked protein kinase [Danio rerio]				gi 41055748	51030.6	7.26	9	35	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
885.4788	885.4941	0.0153	17	364	370	KPEEINR					Mascot
907.4454	907.4562	0.0108	12	342	349	LSFQCPGR					Mascot
907.4454	907.4562	0.0108	12	342	349	LSFQCPGR					Mascot
940.408	940.4044	-0.0036	-4	132	139	YGETPMDK					Mascot
1041.58	1041.6078	0.0278	27	364	371	KPEEINRR					Mascot
1234.679	1234.6483	-0.0307	-25	155	165	QGQSLSKVPYK					Mascot
1711.9312	1711.7498	-0.1814	-106	212	225	WQGTEIVVKMLHVR			Oxidation (M)[10]		Mascot
1940.8953	1940.9021	0.0068	4	1	17	MDDIFTQCREGNAVAVR			Oxidation (M)[1]		Mascot
1997.9167	1997.839	-0.0777	-39	1	17	MDDIFTQCREGNAVAVR			Carbamidomethyl (C)[8], Oxidation (M)[1]		Mascot
1997.9167	1997.839	-0.0777	-39	1	17	MDDIFTQCREGNAVAVR			Carbamidomethyl (C)[8], Oxidation (M)[1]		Mascot
2168.0918	2167.981	-0.1108	-51	192	209	QLNMLNKINENHSGELW K					Mascot
2346.1807	2346.2458	0.0651	28	297	317	FALDIACGMAFLHTLEPMI PR					Mascot
2403.2021	2402.9583	-0.2438	-101	297	317	FALDIACGMAFLHTLEPMI PR			Carbamidomethyl (C)[7]		Mascot

19 inositol monophosphatase 1 [Danio rerio] gi|57526522 30559.3 4.86 7 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.4709	868.4709	0	0	175	181	IFSSMRK					Mascot
885.5264	885.4941	-0.0323	-36	249	256	RVLAANNK					Mascot
1248.7609	1248.5758	-0.1851	-148	181	191	KILCLPVHGIR					Mascot
1838.8854	1838.8722	-0.0132	-7	2	17	PDLWQDAMDHAVTLAR					Mascot
1844.9963	1844.792	-0.2043	-111	46	61	TDQNVEQLIITSVKEK					Mascot
2225.0618	2225.0632	0.0014	1	116	134	TLEFGVVYSCIEDKMYTA R					Mascot
2225.0618	2225.0632	0.0014	1	116	134	TLEFGVVYSCIEDKMYTA R					Mascot
3308.5964	3308.3765	-0.2199	-66	138	167	GAFCNGQPLQVSDQKEI NQSIATEFGSNR			Carbamidomethyl (C)[4]		Mascot

20 hypothetical protein LOC100170532 [Xenopus (Silurana) tropicalis] gi|194332586 43090.5 8.65 8 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
907.46	907.4562	-0.0038	-4	1	8	MAACAIRR			Oxidation (M)[1]		Mascot
907.46	907.4562	-0.0038	-4	1	8	MAACAIRR			Oxidation (M)[1]		Mascot
939.4642	939.4149	-0.0493	-52	150	157	DSPHISQR					Mascot
939.4642	939.4149	-0.0493	-52	150	157	DSPHISQR					Mascot
1011.508	1011.454	-0.054	-53	208	215	FLMFNPSR					Mascot
1140.6735	1140.5654	-0.1081	-95	308	318	GVVGKEPVLSR					Mascot
1475.6815	1475.7256	0.0441	30	262	272	EAQNSHVYWWR					Mascot
2145.0625	2145.0481	-0.0144	-7	227	243	AWQEKNHPWLELSDVH R					Mascot
2233.1511	2233.0325	-0.1186	-53	81	99	QHGGYETGQLFLHSVLG YR					Mascot
2346.1584	2346.2458	0.0874	37	232	250	NHPWLELSDVHRETTENI R					Mascot

21 PREDICTED: cytosolic carboxypeptidase 1-like [Danio rerio] gi|326680138 40420.7 5.5 8 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
829.489	829.5081	0.0191	23	88	94	DRQIGLK					Mascot
885.5516	885.4941	-0.0575	-65	90	97	QIGLKAQK					Mascot
1011.5833	1011.454	-0.1293	-128	271	279	IPLPLTSDR					Mascot
1320.7206	1320.5513	-0.1693	-128	150	160	LMSPTTKHLR					Mascot
1683.9462	1683.7931	-0.1531	-91	252	266	GLESLEPAIQLMRK					Mascot
1683.9462	1683.7931	-0.1531	-91	252	266	GLESLEPAIQLMRK					Mascot
1700.8346	1700.7043	-0.1303	-77	161	176	TVKAAADAFTAMLC SK			Carbamidomethyl (C)[14], Oxidation (M)[12]		Mascot
1700.9153	1700.7043	-0.211	-124	143	157	GLDVVFRLMSPTTK					Mascot
1716.9102	1716.6989	-0.2113	-123	143	157	GLDVVFRLMSPTTK			Oxidation (M)[9]		Mascot
1716.9102	1716.6989	-0.2113	-123	143	157	GLDVVFRLMSPTTK			Oxidation (M)[9]		Mascot
1819.7958	1819.7543	-0.0415	-23	164	180	AAADAFTAMLC SKMNCR			Oxidation (M)[9]		Mascot
1933.8387	1933.9635	0.1248	65	164	180	AAADAFTAMLC SKMNCR			Carbamidomethyl (C)[11,16], Oxidation (M)[9]		Mascot

22 PREDICTED: protein C20orf11 homolog isoform 1 [Danio rerio] gi|189535879 26855.6 4.85 7 34 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type	
	850.4417	850.5214	0.0797	94	45	51 EAAEKFR					Mascot	
	1434.7145	1434.7368	0.0223	16	217	229 MTDLSKGTIEDPK					Mascot	
	1470.7952	1470.6367	-0.1585	-108	199	210 LLLWAQNELDQK					Mascot	
	1570.724	1570.736	0.012	8	1	13 MMSYAEKPEDITR					Mascot	
	1598.89	1598.7292	-0.1608	-101	199	211 LLLWAQNELDQKK					Mascot	
	2149.033	2148.9441	-0.0889	-41	52	70 MESGIEPSVDLDSLDERI K			Oxidation (M)[1]		Mascot	
	2211.0234	2211.0491	0.0257	12	50	68 FRMESGIEPSVDLDSLDE R			Oxidation (M)[3]		Mascot	
23	PREDICTED: dystonin [Danio rerio]				gi 326672751	766703.7	5.12	35	34	0	16	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	829.4413	829.5081	0.0668	81	6329	6335 KQPDVDK					Mascot
	842.5168	842.4906	-0.0262	-31	1683	1689 LCLLPVK			Carbamidomethyl (C)[2]		Mascot
	850.4087	850.5214	0.1127	133	3487	3493 MEALSQR			Oxidation (M)[1]		Mascot
	907.4189	907.4562	0.0373	41	4813	4820 TLGCVDDK	2		0 Carbamidomethyl (C)[4]		Mascot
	907.4731	907.4562	-0.0169	-19	542	549 TLTSEQTK					Mascot
	939.5006	939.4149	-0.0857	-91	849	856 SLQDAIHR					Mascot
	939.5006	939.4149	-0.0857	-91	849	856 SLQDAIHR	13		0		Mascot
	940.4482	940.4044	-0.0438	-47	3787	3795 HPSGNDSVK					Mascot
	996.5108	996.5735	0.0627	63	3265	3273 LDSAGSRYK					Mascot
	1011.4741	1011.454	-0.0201	-20	5260	5267 EKYETADR					Mascot
	1041.5826	1041.6078	0.0252	24	2558	2566 DPDILLDLK					Mascot
	1051.6047	1051.6881	0.0834	79	97	104 WINQHLLK					Mascot
	1140.6047	1140.5654	-0.0393	-34	351	360 HFPSSPVELK					Mascot
	1234.7629	1234.6483	-0.1146	-93	5570	5580 LNHQAGLLKK					Mascot
	1248.5637	1248.5758	0.0121	10	446	456 VQRDCAAGEDK			Carbamidomethyl (C)[5]		Mascot
	1434.7271	1434.7368	0.0097	7	4627	4639 SAQLHEALLHCGR					Mascot
	1493.7338	1493.697	-0.0368	-25	4037	4049 LKEAECICAELSK			Carbamidomethyl (C)[6]		Mascot
	1598.7656	1598.7292	-0.0364	-23	310	325 VPEGGDGINANDVDVK					Mascot
	1652.8499	1652.7042	-0.1457	-88	1400	1413 LLNWMSSMKTNLK					Mascot
	1683.8661	1683.7931	-0.073	-43	163	177 LVNIRNDDITDGNPK					Mascot
	1683.8661	1683.7931	-0.073	-43	163	177 LVNIRNDDITDGNPK	3		0		Mascot
	1700.8966	1700.7043	-0.1923	-113	4328	4343 VLDVHSSLGVQAFSNK					Mascot

	1700.8966	1700.7043	-0.1923	-113	4328	4343	VLDVHSSLGVQAFSNK	0	0		Mascot
	1711.865	1711.7498	-0.1152	-67	4967	4980	LQSSHEELNVWLEK				Mascot
	1819.9436	1819.7543	-0.1893	-104	3656	3671	TDLKTVNDLLDAWTSK				Mascot
	1828.9916	1828.7953	-0.1963	-107	4327	4343	KVLDVHSSLGVQAFSNK				Mascot
	1844.98	1844.792	-0.188	-102	5225	5239	QMRELIAEHKPHIDK				Mascot
	1887.991	1887.9225	-0.0685	-36	6269	6285	LSSALDELQATQELLEK				Mascot
	1933.9647	1933.9635	-0.0012	-1	4019	4034	QIQATNEMLSQLREEK			Oxidation (M)[8]	Mascot
	1940.9688	1940.9021	-0.0667	-34	3838	3853	WKHMLAQIDAGWEEVK				Mascot
	2144.9214	2145.0481	0.1267	59	6646	6666	SSDSFDSQGSSNESTPIQ GSK				Mascot
	2155.928	2156.1914	0.2634	122	3034	3052	EMGGMQKENGNMPEFT PMK				Mascot
	2168.1604	2167.981	-0.1794	-83	428	445	SLRPEVDRLEMLQQIANR				Mascot
	2186.0723	2185.9915	-0.0808	-37	2957	2974	TVGDLQYQQEHQLEEL K				Mascot
	2186.0723	2185.9915	-0.0808	-37	2957	2974	TVGDLQYQQEHQLEEL K				Mascot
	2211.1301	2211.0491	-0.081	-37	6571	6590	STVMVRVGGGWALDE FLVK			Oxidation (M)[4]	Mascot
	2225.1548	2225.0632	-0.0916	-41	5419	5438	DTQELLKEEPPGVDP SVVK				Mascot
	2225.1548	2225.0632	-0.0916	-41	5419	5438	DTQELLKEEPPGVDP SVVK				Mascot
	2346.0952	2346.2458	0.1506	64	2505	2524	SYLNELIQMKMDGASL DETR			Oxidation (M)[9,11]	Mascot
	3308.5596	3308.3765	-0.1831	-55	950	980	VISTSGNEAMVPSVCF SVPPPNKEATEMASR			Carbamidomethyl (C)[15], Oxidation (M)[10]	Mascot
24	nucleolar MIF4G domain-containing protein 1 [Danio rerio]				gi 148540048	55892.4	8.35	9	34	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.4774	868.4709	-0.0065	-7	115	122	LVTSFSSK					Mascot
907.4414	907.4562	0.0148	16	277	283	MNTDVRR			Oxidation (M)[1]		Mascot
907.4414	907.4562	0.0148	16	277	283	MNTDVRR			Oxidation (M)[1]		Mascot
940.5137	940.4044	-0.1093	-116	332	339	FYAVLAEK					Mascot
996.5724	996.5735	0.0011	1	114	122	KLVTSFSSK					Mascot
1140.5419	1140.5654	0.0235	21	76	85	IYSELDGTDK					Mascot
1570.8547	1570.736	-0.1187	-76	220	233	VSLDNLLEAERVGR					Mascot
1716.8118	1716.6989	-0.1129	-66	314	327	EIVHVLMDCCLEK			Carbamidomethyl (C)[9]		Mascot
1716.8118	1716.6989	-0.1129	-66	314	327	EIVHVLMDCCLEK			Carbamidomethyl (C)[9]		Mascot
1828.8745	1828.7953	-0.0792	-43	2	17	ASISSQLEELYMNTSR					Mascot
1844.8527	1844.792	-0.0607	-33	172	186	FMLETMMALKNNDMR					Mascot

25 PREDICTED: zinc finger protein 227-like [Danio rerio] gi|125847909 86097.2 8.77 14 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
850.4127	850.5214	0.1087	128	181	187 QEPFVCK					Mascot
882.4944	882.5466	0.0522	59	352	358 AHVKHYK					Mascot
907.4341	907.4562	0.0221	24	181	187 QEPFVCK	1	0	Carbamidomethyl (C)[6]		Mascot
907.4341	907.4562	0.0221	24	181	187 QEPFVCK			Carbamidomethyl (C)[6]		Mascot
1140.4958	1140.5654	0.0696	61	608	617 RDCVCSICNK					Mascot
1165.6221	1165.7177	0.0956	82	552	561 LYGCPICLKR					Mascot
1234.5092	1234.6483	0.1391	113	356	364 HYKCSHCDK			Carbamidomethyl (C)[4,7]		Mascot
1470.811	1470.6367	-0.1743	-119	510	521 KHLQAHMLVHTR					Mascot
1475.6406	1475.7256	0.085	58	686	697 FGYSSSIQMHMR			Oxidation (M)[9,11]		Mascot
1599.8536	1599.8459	-0.0077	-5	511	523 HLQAHMLVHTREK					Mascot
1707.8304	1707.7374	-0.093	-54	412	426 TVTCPNCQKVPFGTR			Carbamidomethyl (C)[4]		Mascot
1716.8923	1716.6989	-0.1934	-113	545	560 AGHTGVKLYGCPICLK			Carbamidomethyl (C)[11]		Mascot
1716.8923	1716.6989	-0.1934	-113	545	560 AGHTGVKLYGCPICLK			Carbamidomethyl (C)[11]		Mascot
1911.0017	1910.8079	-0.1938	-101	370	386 SCLIRHAATHHTGAQLFK			Carbamidomethyl (C)[2]		Mascot
1911.0017	1910.8079	-0.1938	-101	370	386 SCLIRHAATHHTGAQLFK			Carbamidomethyl (C)[2]		Mascot
2145.0969	2145.0481	-0.0488	-23	62	80 EFAAFMELLSKATVETMV K					Mascot
2156.0957	2156.1914	0.0957	44	618	636 AFIFPSSLNQHMLVHTGE K					Mascot
3308.5317	3308.3765	-0.1552	-47	609	636 DCVCSICNKAFIFPSSLN QHMLVHTGEK			Carbamidomethyl (C)[2,4,7], Oxidation (M)[21]		Mascot

26 LOC100001129 protein [Danio rerio] gi|160774064 68472.7 6.3 11 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
868.529	868.4709	-0.0581	-67	292	298 FLKFVSK					Mascot
1041.5364	1041.6078	0.0714	69	123	130 DRFESFLK					Mascot
1045.5459	1045.5391	-0.0068	-7	280	288 LQMADQIAR					Mascot
1179.6343	1179.5751	-0.0592	-50	578	586 ILWVQAMYP					Mascot
1350.6504	1350.6696	0.0192	14	161	173 MVQTGGLSALDCR					Mascot
1910.9463	1910.8079	-0.1384	-72	161	177 MVQTGGLSALDCREVFK			Carbamidomethyl (C)[12]		Mascot
1910.9463	1910.8079	-0.1384	-72	161	177 MVQTGGLSALDCREVFK			Carbamidomethyl (C)[12]		Mascot
2017.0825	2016.9615	-0.121	-60	587	605 ATGQSHKVPPTQVQKL NS					Mascot

	2168.0474	2167.981	-0.0664	-31	377	395	SLAPNRIVYCTMEVEGG QK					Carbamidomethyl (C)[10], Oxidation (M)[12]	Mascot
	2224.9397	2225.0632	0.1235	56	1	20	MLDPSSSEEEEDGIVEEE SR						Mascot
	2224.9397	2225.0632	0.1235	56	1	20	MLDPSSSEEEEDGIVEEE SR						Mascot
	2233.166	2233.0325	-0.1335	-60	84	101	LQLYVFVMRCIAYPFNAK					Carbamidomethyl (C)[10]	Mascot
	2346.1055	2346.2458	0.1403	60	50	72	GSSARPTSPSPAASEE KEDVEK						Mascot
27	novel protein similar to vertebrate N-glycanase 1 (NGLY1) [Danio rerio]				gi 126632448		72396.7	6	8	33	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	907.4454	907.4562	0.0108	12	444	451	MSGSLAWR	14	0			Mascot
	907.4454	907.4562	0.0108	12	444	451	MSGSLAWR					Mascot
	1011.4386	1011.454	0.0154	15	545	553	FNCAPAGMK			Carbamidomethyl (C)[3], Oxidation (M)[8]		Mascot
	1041.5979	1041.6078	0.0099	10	358	366	LSYILAFSK					Mascot
	1320.7271	1320.5513	-0.1758	-133	43	54	SIRIGNPTFSTK					Mascot
	1350.7198	1350.6696	-0.0502	-37	180	190	ALECIPHELLR			Carbamidomethyl (C)[4]		Mascot
	1470.6691	1470.6367	-0.0324	-22	541	553	MSWKFNAPAGMK					Mascot
	1570.7318	1570.736	0.0042	3	367	379	DQVADVTWRYSCK					Mascot
	2283.083	2283.1204	0.0374	16	294	313	CGEWANCFTLLCRALGL EAR			Carbamidomethyl (C)[1]		Mascot

28	novel protein similar to vertebrate cytoplasmic linker associated protein 1 (CLASP1) [Danio rerio]					gi 159569348	164674.4	8.99	17	33	0
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	829.5002	829.5081	0.0079	10	719	726	LGIGRGTR					Mascot
	1165.6801	1165.7177	0.0376	32	1313	1322	DHTIRALALR					Mascot
	1434.6715	1434.7368	0.0653	46	1240	1251	QDCGENKMVLPK			Carbamidomethyl (C)[3], Oxidation (M)[8]		Mascot
	1470.6715	1470.6367	-0.0348	-24	185	196	DAAMNCLVEIYR			Carbamidomethyl (C)[6], Oxidation (M)[4]		Mascot
	1475.6802	1475.7256	0.0454	31	1288	1299	EDSLAVWDEHFK					Mascot
	1570.9462	1570.736	-0.2102	-134	421	435	VMATSGVAAIRLILR					Mascot
	1598.6752	1598.7292	0.054	34	989	1002	QMDPGDFVNSSETR			Oxidation (M)[2]		Mascot
	1683.7649	1683.7931	0.0282	17	266	282	GGSMGSMRRPSSASGS R			Oxidation (M)[4]		Mascot
	1683.7649	1683.7931	0.0282	17	266	282	GGSMGSMRRPSSASGS R			Oxidation (M)[4]		Mascot
	1700.9078	1700.7043	-0.2035	-120	1186	1201	TSLLNTPSPRSFAGPR					Mascot

1700.9078	1700.7043	-0.2035	-120	1186	1201	TSLNTPSPRSFAGPR						Mascot
1711.803	1711.7498	-0.0532	-31	2	15	EPNMEYCLTQVLQK			Oxidation (M)[4]			Mascot
1727.9287	1727.7474	-0.1813	-105	1180	1195	TALDNKTSLNTPSPR						Mascot
2017.0171	2016.9615	-0.0556	-28	347	364	SLLMAGATEHEGFIQQLR			Oxidation (M)[4]			Mascot
2168.1306	2167.981	-0.1496	-69	532	551	ALQSHLKSSDSIVSLPQS DR						Mascot
2225.207	2225.0632	-0.1438	-65	379	399	SQVVREACITLGHLSLL GNK						Mascot
2225.207	2225.0632	-0.1438	-65	379	399	SQVVREACITLGHLSLL GNK						Mascot
2284.0769	2284.1143	0.0374	16	1	19	MEPNMEYCLTQVLQKDV AR			Oxidation (M)[1]			Mascot
2403.0994	2402.9583	-0.1411	-59	835	855	QTEDVAEVLNHCASSNW SERK						Mascot
2498.2629	2498.2664	0.0035	1	145	167	EGVCLCLISTLNTYGAQG LTLSK			Carbamidomethyl (C)[4,6]			Mascot
29	Pbx2 [Danio rerio]				gi 7861936	18895.6	9.08	6	33	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1051.5782	1051.6881	0.1099	105	133	141	FSSIQTQLK					Mascot
1179.6442	1179.5751	-0.0691	-59	1	10	ALFSVLCEIK			Carbamidomethyl (C)[7]		Mascot
1493.7563	1493.697	-0.0593	-40	142	154	QSTCEAVMILRSR					Mascot
1997.9055	1997.839	-0.0665	-33	93	109	YEQACSESTTHVMNLLR			Oxidation (M)[13]		Mascot
1997.9055	1997.839	-0.0665	-33	93	109	YEQACSESTTHVMNLLR			Oxidation (M)[13]		Mascot
2038.9321	2038.8834	-0.0487	-24	93	109	YEQACSESTTHVMNLLR			Carbamidomethyl (C)[5]		Mascot
2283.1836	2283.1204	-0.0632	-28	133	152	FSSIQTQLKQSTCEAVMI LR					Mascot
2498.1399	2498.2664	0.1265	51	93	113	YEQACSESTTHVMNLLR EQSR			Oxidation (M)[13]		Mascot

30 peptide-N(4)-(N-acetyl-beta-glucosaminy)asparagine
amidase [Danio rerio] gi|66472548 72442.7 6 8 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
907.4454	907.4562	0.0108	12	444	451	MSGSLAWR	14	0			Mascot
907.4454	907.4562	0.0108	12	444	451	MSGSLAWR					Mascot
1011.4386	1011.454	0.0154	15	545	553	FNCAPAGMK			Carbamidomethyl (C)[3], Oxidation (M)[8]		Mascot
1041.5979	1041.6078	0.0099	10	358	366	LSYLAFSK					Mascot
1320.7271	1320.5513	-0.1758	-133	43	54	SIRIGNPTFSTK					Mascot
1350.7198	1350.6696	-0.0502	-37	180	190	ALECIPELLR			Carbamidomethyl (C)[4]		Mascot
1470.6691	1470.6367	-0.0324	-22	541	553	MSWKFNAPAGMK					Mascot

	1570.7318	1570.736	0.0042	3	367	379	DQVADVTWRYSCK											Mascot
	2283.083	2283.1204	0.0374	16	294	313	CGEWANCFTLLCRALGL EAR							Carbamidomethyl (C)[1]				Mascot
31	adenosine deaminase [Danio rerio]				gi 50540360		41148.6	6.04	9	32	0							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
939.4208	939.4149	-0.0059	-6	153	159	SILCCMR				Carbamidomethyl (C)[4,5]		Mascot
939.4208	939.4149	-0.0059	-6	153	159	SILCCMR				Carbamidomethyl (C)[4,5]		Mascot
1068.5111	1068.5441	0.033	31	151	159	ARSILCCMR				Oxidation (M)[8]		Mascot
1234.679	1234.6483	-0.0307	-25	94	104	AKEGVIYVEAR						Mascot
1470.741	1470.6367	-0.1043	-71	346	357	LLNQLYEAYGMR						Mascot
1598.8359	1598.7292	-0.1067	-67	346	358	LLNQLYEAYGMRK						Mascot
1599.9329	1599.8459	-0.087	-54	15	28	VELHVHLDGAIRLK						Mascot
1727.8785	1727.7474	-0.1311	-76	344	357	EKLLNQLYEAYGMR						Mascot
1887.8914	1887.9225	0.0311	16	160	174	HMPNWSMEVELCKK				Carbamidomethyl (C)[13]		Mascot
3308.4956	3308.3765	-0.1191	-36	253	280	QLLHQNMHFEMCPVSSR LTGACEPDTK				Carbamidomethyl (C)[12], Oxidation (M)[7,11]		Mascot

32	novel protein similar to vertebrate microtubule-actin crosslinking factor 1 (MACF1) [Danio rerio]				gi 94732207		181610.2	5.27	16	32	0	3	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
885.377	885.4941	0.1171	132	803	809	DCESYLR						Mascot
939.4716	939.4149	-0.0567	-60	522	529	LQCASVYR						Mascot
939.4716	939.4149	-0.0567	-60	522	529	LQCASVYR						Mascot
996.493	996.5735	0.0805	81	522	529	LQCASVYR				Carbamidomethyl (C)[3]		Mascot
1011.4854	1011.454	-0.0314	-31	644	651	EARTYESR						Mascot
1068.4891	1068.5441	0.055	51	725	732	REQYADMR						Mascot
1140.4659	1140.5654	0.0995	87	1337	1345	LDECQTCSK				Carbamidomethyl (C)[4,7]		Mascot
1234.7267	1234.6483	-0.0784	-63	487	496	QLHLDLQVLR						Mascot
1248.5637	1248.5758	0.0121	10	1023	1032	ELEREAENCR						Mascot
1320.61	1320.5513	-0.0587	-44	437	447	IQNTALDCEEK				Carbamidomethyl (C)[8]		Mascot
1470.7621	1470.6367	-0.1254	-85	1480	1492	STQVFLMSKQASK				Oxidation (M)[7]		Mascot
1652.8677	1652.7042	-0.1635	-99	881	894	AICDYRQIEITISK						Mascot
1683.8661	1683.7931	-0.073	-43	154	168	LVNIRNDDITDGNPK						Mascot
1683.8661	1683.7931	-0.073	-43	154	168	LVNIRNDDITDGNPK	3		0			Mascot

1711.832	1711.7498	-0.0822	-48	803	816	DCESYLRLQLQDTIK							Mascot
1828.8606	1828.7953	-0.0653	-36	22	40	SERSGGSLSPCAHSTAG PK							Mascot
1887.8575	1887.9225	0.065	34	1337	1352	LDECQTCSKQYSAAVK				Carbamidomethyl (C)[4,7]			Mascot
2168.1167	2167.981	-0.1357	-63	1119	1137	RCVSFFEEKPTSSSVPL R							Mascot
2225.1382	2225.0632	-0.075	-34	1119	1137	RCVSFFEEKPTSSSVPL R				Carbamidomethyl (C)[2]			Mascot
2225.1382	2225.0632	-0.075	-34	1119	1137	RCVSFFEEKPTSSSVPL R				Carbamidomethyl (C)[2]			Mascot
2381.1541	2380.978	-0.1761	-74	830	848	LEDLLQDSMEEKEQLIEY R							Mascot
2381.1541	2380.978	-0.1761	-74	830	848	LEDLLQDSMEEKEQLIEY R							Mascot

33 Tnfrsa protein [Danio rerio] gi|190336943 48606.4 5.31 9 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
939.4274	939.4149	-0.0125	-13	1	8	MDKSEAMK					Mascot
939.4274	939.4149	-0.0125	-13	1	8	MDKSEAMK					Mascot
1011.5158	1011.454	-0.0618	-61	360	366	YHNKFFR					Mascot
1041.4669	1041.6078	0.1409	135	59	67	NCEAGTYVK			Carbamidomethyl (C)[2]		Mascot
1475.6973	1475.7256	0.0283	19	214	226	QQSETNGNLEEVK					Mascot
1727.762	1727.7474	-0.0146	-8	321	334	DQTESWPREDPPR					Mascot
2016.8927	2016.9615	0.0688	34	227	243	VPIDECPRSEEEQENSR					Mascot
2211.0537	2211.0491	-0.0046	-2	310	328	SSPPAQRPTDRDQTESW PR					Mascot
2283.9038	2284.1143	0.2105	92	41	58	QMTCLNHEYPHNGFCC K			Carbamidomethyl (C)[4,16], Oxidation (M)[2]		Mascot
2498.0469	2498.2664	0.2195	88	38	58	TARQMTCLNHEYPHNG FCK			Oxidation (M)[5]		Mascot

34 MHC class II antigen [Danio rerio] gi|297179855 8402.9 5.07 4 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
940.4193	940.4044	-0.0149	-16	57	64	AEVDTFCR					Mascot
1041.4749	1041.6078	0.1329	128	65	73	HNAQIWDSA					Mascot
1068.5143	1068.5441	0.0298	28	56	64	KAEVDTFCR					Mascot
2019.8977	2019.8184	-0.0793	-39	57	73	AEVDTFCRHNAQIWDSA			Carbamidomethyl (C)[7]		Mascot

35 Synbl protein [Danio rerio] gi|141796272 31226.2 5.37 7 32 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	842.5709	842.4906	-0.0803	-95	18	24	VEKLLLK					Mascot
	868.4999	868.4709	-0.029	-33	251	257	DSLHKLR					Mascot
	1045.6769	1045.5391	-0.1378	-132	171	179	LLFLLSALR					Mascot
	1350.7375	1350.6696	-0.0679	-50	21	31	LLLKYNTENSR					Mascot
	1470.6603	1470.6367	-0.0236	-16	238	250	ALFNLTMSPCDK			Oxidation (M)[7]		Mascot
	1838.8688	1838.8722	0.0034	2	1	17	MSLSDILSEIDGGDDKK			Oxidation (M)[1]		Mascot
	2283.0193	2283.1204	0.1011	44	98	118	ICVAGHEGEPLLEEAQSAE EER					Mascot

36 PREDICTED: hypothetical protein LOC100002065 [Danio rerio] gi|189530999 48002.4 8.91 8 32 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1011.5945	1011.454	-0.1405	-139	179	187	TALHSLLTR					Mascot
	1179.7208	1179.5751	-0.1457	-124	188	197	LNNLKHLSLK					Mascot
	1320.6876	1320.5513	-0.1363	-103	260	271	CIFCPLACPLIK					Mascot
	1434.7306	1434.7368	0.0062	4	260	271	CIFCPLACPLIK			Carbamidomethyl (C)[1,4]		Mascot
	1470.7303	1470.6367	-0.0936	-64	137	148	NLTHLCLCGVQR			Carbamidomethyl (C)[6,8]		Mascot
	1475.825	1475.7256	-0.0994	-67	304	317	LSLMGVKADLASVR			Oxidation (M)[4]		Mascot
	1716.8091	1716.6989	-0.1102	-64	114	126	HLDRVICQCSQR			Carbamidomethyl (C)[8,10,12]		Mascot
	1716.8091	1716.6989	-0.1102	-64	114	126	HLDRVICQCSQR			Carbamidomethyl (C)[8,10,12]		Mascot
	2149.137	2148.9441	-0.1929	-90	253	271	LSVHYTKCIFCPLACPLIK					Mascot
	3308.5852	3308.3765	-0.2087	-63	272	299	WLEELCVLSELNISYGYS LEMYAGSIPR			Carbamidomethyl (C)[6], Oxidation (M)[21]		Mascot

37 PREDICTED: disks large homolog 3 [Danio rerio] gi|326673729 89938 6.56 10 32 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	907.4301	907.4562	0.0261	29	584	591	TGMIESNR	9	0			Mascot
	907.4301	907.4562	0.0261	29	584	591	TGMIESNR					Mascot
	1045.5459	1045.5391	-0.0068	-7	178	186	LGVNDCVLR			Carbamidomethyl (C)[6]		Mascot
	1234.5521	1234.6483	0.0962	78	373	382	HMLGEEDFTR					Mascot
	1434.6907	1434.7368	0.0461	32	580	591	FHARTGMIESNR			Oxidation (M)[7]		Mascot
	1470.7223	1470.6367	-0.0856	-58	758	769	QTYEQANKVFDK					Mascot
	1570.8019	1570.736	-0.0659	-42	652	664	FGSCVPHTTRPRR			Carbamidomethyl (C)[4]		Mascot

Peptide Information											
	Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	829.4606	829.5081	0.0475	57	671	676 KFPFYK					Mascot
	907.4301	907.4562	0.0261	29	645	652 TGMIESNR	9	0			Mascot
	907.4301	907.4562	0.0261	29	645	652 TGMIESNR					Mascot
	1045.5459	1045.5391	-0.0068	-7	239	247 LGVNDCVLR			Carbamidomethyl (C)[6]		Mascot
	1234.5521	1234.6483	0.0962	78	434	443 HMLGEEDFTR					Mascot
	1434.6907	1434.7368	0.0461	32	641	652 FHARTGMIESNR			Oxidation (M)[7]		Mascot
	1470.7223	1470.6367	-0.0856	-58	855	866 QTYEQANKVFDK					Mascot
	1570.8019	1570.736	-0.0659	-42	749	761 FGSCVPHTTRPRR			Carbamidomethyl (C)[4]		Mascot
	1911.052	1910.8079	-0.2441	-128	719	734 QEIHYPTRPVILGPMK			Oxidation (M)[15]		Mascot
	1911.052	1910.8079	-0.2441	-128	719	734 QEIHYPTRPVILGPMK			Oxidation (M)[15]		Mascot
	1933.9225	1933.9635	0.041	21	428	443 YSPVPRHMLGEEDFTR					Mascot
	2186.1743	2185.9915	-0.1828	-84	896	914 LIIEEQSGPYIWIPSAEKL					Mascot
	2186.1743	2185.9915	-0.1828	-84	896	914 LIIEEQSGPYIWIPSAEKL					Mascot
41	PREDICTED: hypothetical protein LOC563653 [Danio rerio]					gi 292621547	110431.7	9.74	13	31	0

Peptide Information											
	Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	842.4366	842.4906	0.054	64	593	599 ENQVPQK					Mascot
	1011.533	1011.454	-0.079	-78	573	581 QASHVRDAK					Mascot
	1045.5823	1045.5391	-0.0432	-41	247	256 VVSPKMAGTR					Mascot
	1140.6484	1140.5654	-0.083	-73	523	532 SHRTSQALLK					Mascot
	1320.6444	1320.5513	-0.0931	-70	912	921 YRENHDAFLR					Mascot
	1493.7893	1493.697	-0.0923	-62	896	908 GYLTVPASMQR			Oxidation (M)[10]		Mascot
	1570.8911	1570.736	-0.1551	-99	193	206 LSVLSEERLQAAVR					Mascot
	1598.6421	1598.7292	0.0871	54	795	806 MEEMERDQDEV			Oxidation (M)[1,4]		Mascot
	1700.8271	1700.7043	-0.1228	-72	321	334 ECVVEALEPNEKQR			Carbamidomethyl (C)[2]		Mascot
	1700.8271	1700.7043	-0.1228	-72	321	334 ECVVEALEPNEKQR			Carbamidomethyl (C)[2]		Mascot
	1707.9427	1707.7374	-0.2053	-120	75	89 TNYSNPVVVIFSLR					Mascot
	1828.9399	1828.7953	-0.1446	-79	286	301 NTIVNSSEPQLTQEIR					Mascot
	2211.0454	2211.0491	0.0037	2	783	800 LQGPTLESMLLRMEEMER			Oxidation (M)[9,13,16]		Mascot
	2498.2278	2498.2664	0.0386	15	394	415 AMQVFINQLSDPAENRVPTHCK					Mascot

42 inositol(myo)-1(or 4)-monophosphatase 1 [Danio rerio] gi|169153986 25887.8 4.8 6 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
868.4709	868.4709	0	0	175	181 IFSSMRK				Mascot
1248.7609	1248.5758	-0.1851	-148	181	191 KILCLPVHGIR				Mascot
1838.8854	1838.8722	-0.0132	-7	2	17 PDLWQDAMDHAVTLAR				Mascot
1844.9963	1844.792	-0.2043	-111	46	61 TDQNVEQLIITSVKEK				Mascot
2225.0618	2225.0632	0.0014	1	116	134 TLEFGVVYSCIEDKMYTA R				Mascot
2225.0618	2225.0632	0.0014	1	116	134 TLEFGVVYSCIEDKMYTA R				Mascot
3308.5964	3308.3765	-0.2199	-66	138	167 GAFcNGQPLQVSDQKEI NQSIATEFGSNR		Carbamidomethyl (C)[4]		Mascot

43 PREDICTED: serine/arginine repetitive matrix protein 4 [Danio rerio] gi|189518857 64253.1 11.33 9 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
996.5836	996.5735	-0.0101	-10	59	67 RLETPVGPK				Mascot
1011.4815	1011.454	-0.0275	-27	288	296 FSCLTSPEK				Mascot
1041.5952	1041.6078	0.0126	12	49	56 FEARLLHR				Mascot
1068.5031	1068.5441	0.041	38	288	296 FSCLTSPEK		Carbamidomethyl (C)[3]		Mascot
1248.6219	1248.5758	-0.0461	-37	325	335 ENTLHSSVFSK				Mascot
1599.6349	1599.8459	0.211	132	222	235 CCCHFSESTVSPSR		Carbamidomethyl (C)[1]		Mascot
1700.955	1700.7043	-0.2507	-147	1	15 MEELICRLLAGILAR				Mascot
1700.955	1700.7043	-0.2507	-147	1	15 MEELICRLLAGILAR				Mascot
1716.9498	1716.6989	-0.2509	-146	1	15 MEELICRLLAGILAR		Oxidation (M)[1]		Mascot
1716.9498	1716.6989	-0.2509	-146	1	15 MEELICRLLAGILAR		Oxidation (M)[1]		Mascot
2019.9263	2019.8184	-0.1079	-53	29	48 GSGPFAAGCETAGMRIS TYK		Oxidation (M)[14]		Mascot
2119.0876	2119.0906	0.003	1	236	256 SGVEGLSKVVIVQNSESS DGK				Mascot
2155.9739	2156.1914	0.2175	101	259	279 ADYDSGNDTSSPPSSKT GITR				Mascot

44 39S ribosomal protein L17, mitochondrial [Danio rerio] gi|52219200 19088.2 9.81 7 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
850.5032	850.5214	0.0182	21	59	65 LIDYAKK				Mascot

	885.5516	885.4941	-0.0575	-65	31	38	NLLTGLVR										Mascot
	1011.5179	1011.454	-0.0639	-63	119	127	AAMAVLEYK									Oxidation (M)[3]	Mascot
	1140.5394	1140.5654	0.026	23	75	83	MADFWLTEK										Mascot
	1179.6521	1179.5751	-0.077	-65	128	138	GNPFPPLNPVK										Mascot
	1470.712	1470.6367	-0.0753	-51	72	83	AMKMADFWLTEK										Mascot
	2156.1572	2156.1914	0.0342	16	119	138	AAMAVLEYKGNPFPPLN PVK										Mascot
45	PREDICTED: calcium-dependent secretion activator 1 [Danio rerio]																
							gi 326668730	145894.4	5.69	16	31	0					

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	868.4635	868.4709	0.0074	9	1165	1171	HSQDILR					Mascot
	1041.5364	1041.6078	0.0714	69	123	130	DRFESFLK					Mascot
	1045.5459	1045.5391	-0.0068	-7	280	288	LQMADQIAR					Mascot
	1179.6343	1179.5751	-0.0592	-50	578	586	ILWVQAMYP					Mascot
	1350.6504	1350.6696	0.0192	14	161	173	MVQTGGLSALDCR					Mascot
	1493.7166	1493.697	-0.0196	-13	806	817	CLEQAAQINYQR			Carbamidomethyl (C)[1]		Mascot
	1599.7791	1599.8459	0.0668	42	1022	1035	MKLMSSDMIETSVK					Mascot
	1700.7288	1700.7043	-0.0245	-14	1072	1086	DQSAKLCAMEMGQEK			Oxidation (M)[9,11]		Mascot
	1700.7288	1700.7043	-0.0245	-14	1072	1086	DQSAKLCAMEMGQEK			Oxidation (M)[9,11]		Mascot
	1838.9213	1838.8722	-0.0491	-27	1056	1071	IPLSLCTMFNVMDAK			Carbamidomethyl (C)[6]		Mascot
	1910.9463	1910.8079	-0.1384	-72	161	177	MVQTGGLSALDCREVFK			Carbamidomethyl (C)[12]		Mascot
	1910.9463	1910.8079	-0.1384	-72	161	177	MVQTGGLSALDCREVFK			Carbamidomethyl (C)[12]		Mascot
	2145.1775	2145.0481	-0.1294	-60	587	606	ATGQSHKVPPTQVQKL NSK					Mascot
	2156.0554	2156.1914	0.136	63	806	823	CLEQAAQINYQRITDYAR					Mascot
	2168.0474	2167.981	-0.0664	-31	377	395	SLAPNRIVYCTMEVEGG QK			Carbamidomethyl (C)[10], Oxidation (M)[12]		Mascot
	2224.9397	2225.0632	0.1235	56	1	20	MLDPSSEEEESDGIVEEE SR					Mascot
	2224.9397	2225.0632	0.1235	56	1	20	MLDPSSEEEESDGIVEEE SR					Mascot
	2233.166	2233.0325	-0.1335	-60	84	101	LQLYVFVMRCIAYPFNAK			Carbamidomethyl (C)[10]		Mascot
	2346.1055	2346.2458	0.1403	60	50	72	GSSARPTSPSPAASEE KEDVEK					Mascot

46 Ppp4r2a protein [Danio rerio] gi|156230689 49479.9 4.37 8 30 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	850.4199	850.5214	0.1015	119	172	179	KGSSCVNR										Mascot
	907.4413	907.4562	0.0149	16	172	179	KGSSCVNR	3	0	Carbamidomethyl (C)[5]							Mascot
	907.4413	907.4562	0.0149	16	172	179	KGSSCVNR			Carbamidomethyl (C)[5]							Mascot
	1045.5598	1045.5391	-0.0207	-20	134	142	LCELLTEPK										Mascot
	1140.5605	1140.5654	0.0049	4	83	91	LEKVMDDFK			Oxidation (M)[5]							Mascot
	1598.6937	1598.7292	0.0355	22	86	98	VMDDFKASCPEQR			Carbamidomethyl (C)[9], Oxidation (M)[2]							Mascot
	1683.8444	1683.7931	-0.0513	-30	158	172	NVMVVSCVYPTSEKK										Mascot
	1683.8444	1683.7931	-0.0513	-30	158	172	NVMVVSCVYPTSEKK										Mascot
	1707.837	1707.7374	-0.0996	-58	27	41	HTSTMEIDTLLGAFR			Oxidation (M)[5]							Mascot
	2119.0276	2119.0906	0.063	30	99	116	GPANPNVEYIPFEEMKQ R										Mascot
	2211.075	2211.0491	-0.0259	-12	27	45	HTSTMEIDTLLGAFRDFE K										Mascot
47	bcl-2-related ovarian killer protein homolog B [Danio rerio]						gi 41055421	23818.6	7.71	6	30	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
842.5134	842.4906	-0.0228	-27	161	167	SLVPWLK							Mascot
850.4668	850.5214	0.0546	64	26	32	ELVFQSK							Mascot
939.4022	939.4149	0.0127	14	178	185	CVVNMDSR				Oxidation (M)[5]			Mascot
939.4022	939.4149	0.0127	14	178	185	CVVNMDSR				Oxidation (M)[5]			Mascot
2149.0593	2148.9441	-0.1152	-54	7	25	SSVLAEMIDVFDRTHTK							Mascot
2156.0803	2156.1914	0.1111	52	2	20	NVFARSSVLAEMIDVFD R				Oxidation (M)[13]			Mascot
2186.0732	2185.9915	-0.0817	-37	74	91	LGDELECMRPYVYRNIAK				Oxidation (M)[8]			Mascot
2186.0732	2185.9915	-0.0817	-37	74	91	LGDELECMRPYVYRNIAK				Oxidation (M)[8]			Mascot

48 novel protein [Danio rerio] gi|169154274 85664.7 5.94 11 30 0 5 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
940.5396	940.4044	-0.1352	-144	440	447	NPLCLPKR							Mascot
1165.5881	1165.7177	0.1296	111	1	10	MLESSVNKK				Oxidation (M)[1]			Mascot
1348.7075	1348.6322	-0.0753	-56	11	22	RCIPSSLTQLCK							Mascot
1599.8893	1599.8459	-0.0434	-27	366	378	VPDWVFPETLKLK							Mascot
1700.9364	1700.7043	-0.2321	-136	118	133	LAAQLAVDCTSLLNIR							Mascot
1700.9364	1700.7043	-0.2321	-136	118	133	LAAQLAVDCTSLLNIR	5	0					Mascot

	1819.9371	1819.7543	-0.1828	-100	344	360	AQGDVVSVAFTPQTIMR							Mascot
	1828.9956	1828.7953	-0.2003	-110	361	376	TAAVRVPDWVFPETLK							Mascot
	2020.032	2019.8184	-0.2136	-106	80	95	QTFSEVLHICEQLFLR				Carbamidomethyl (C)[10]			Mascot
	2168.0806	2167.981	-0.0996	-46	641	659	DHLQEIAAAWEQATCLIQ K							Mascot
	2225.1018	2225.0632	-0.0386	-17	641	659	DHLQEIAAAWEQATCLIQ K				Carbamidomethyl (C)[15]			Mascot
	2225.1018	2225.0632	-0.0386	-17	641	659	DHLQEIAAAWEQATCLIQ K				Carbamidomethyl (C)[15]			Mascot
	2233.1758	2233.0325	-0.1433	-64	341	360	QLRAQGDVVSVAFPTQTI MR				Oxidation (M)[19]			Mascot
	2381.2031	2380.978	-0.2251	-95	641	660	DHLQEIAAAWEQATCLIQ KR				Carbamidomethyl (C)[15]			Mascot
	2381.2031	2380.978	-0.2251	-95	641	660	DHLQEIAAAWEQATCLIQ KR				Carbamidomethyl (C)[15]			Mascot
49	novel protein similar to vertebrate transient receptor potential cation channel, subfamily V, member 4 (TRPV4) [Danio rerio]					gi 123227302	97398.1	8.04	1		25	24.383		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
907.4896	907.4562	-0.0334	-37	277	283	GRFFQPR	25	24.383		2	Mascot

50	PREDICTED: poly(A) RNA polymerase, mitochondrial-like [Danio rerio]					gi 326672376	63999.1	9.2	1		19	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
907.4488	907.4562	0.0074	8	1	9	MAASLGVCR	19	0		3	Mascot

Gel Idx/Pos	183/H10	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	thimet oligopeptidase [Danio rerio]	gi 50539778	77928.1	5.51	28	1,100	100	909	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
809.3787	809.3594	-0.0193	-24	113	118	EDVYQR					Mascot
908.4294	908.4072	-0.0222	-24	228	234	CFVPETR			Carbamidomethyl (C)[1]		Mascot
965.4686	965.4443	-0.0243	-25	237	244	LEEAFNSR					Mascot

1093.5636	1093.5359	-0.0277	-25	236	244	KLEEFNSR			Mascot
1118.6317	1118.6045	-0.0272	-24	541	550	LANTGLFNLR			Mascot
1118.6317	1118.6045	-0.0272	-24	541	550	LANTGLFNLR	90	100	Mascot
1183.5605	1183.5306	-0.0299	-25	218	226	YPHYFPTMK			Mascot
1194.5823	1194.553	-0.0293	-25	624	633	FKQEGVMDPK			Mascot
1199.5554	1199.5233	-0.0321	-27	218	226	YPHYFPTMK			Mascot
1221.5746	1221.5453	-0.0293	-24	565	575	TGLDPAEEYAR			Mascot
1221.5746	1221.5453	-0.0293	-24	565	575	TGLDPAEEYAR	95	100	Mascot
1242.6075	1242.5757	-0.0318	-26	355	364	EYFPMEVVT			Mascot
1258.6024	1258.5682	-0.0342	-27	355	364	EYFPMEVVT			Mascot
1325.6947	1325.6576	-0.0371	-28	524	535	TGNPIEELLDK			Mascot
1343.597	1343.5637	-0.0333	-25	102	112	LSEFDVEMSMR	70	99.997	Mascot
1343.597	1343.5637	-0.0333	-25	102	112	LSEFDVEMSMR			Mascot
1359.5919	1359.5563	-0.0356	-26	102	112	LSEFDVEMSMR			Mascot
1375.5868	1375.5514	-0.0354	-26	102	112	LSEFDVEMSMR			Mascot
1492.7642	1492.7264	-0.0378	-25	64	76	ALADVEVEYTVQR	90	100	Mascot
1492.7642	1492.7264	-0.0378	-25	64	76	ALADVEVEYTVQR			Mascot
1629.7438	1629.7004	-0.0434	-27	178	190	HLNEDTTCLHFSR			Mascot
1629.7438	1629.7004	-0.0434	-27	178	190	HLNEDTTCLHFSR	91	100	Mascot
1682.8173	1682.7738	-0.0435	-26	322	335	NLPFTGELYAWDTR			Mascot
1682.8173	1682.7738	-0.0435	-26	322	335	NLPFTGELYAWDTR	118	100	Mascot
1797.9534	1797.9053	-0.0481	-27	400	415	SSGLVVGQFYLDLFR	141	100	Mascot
1797.9534	1797.9053	-0.0481	-27	400	415	SSGLVVGQFYLDLFR			Mascot
1910.048	1909.9938	-0.0542	-28	119	136	IVALEEKLEPGLSPEAK			Mascot
2107.9792	2107.9185	-0.0607	-29	496	512	DFVEAPSQMLNWWWEK			Mascot
2123.9744	2123.9202	-0.0542	-26	496	512	DFVEAPSQMLNWWWEK			Mascot
2141.1125	2141.0518	-0.0607	-28	23	40	WDLTPEQINQLTEELIAK			Mascot
2165.9478	2165.895	-0.0528	-24	102	118	LSEFDVEMSMREDVYQR			Mascot
2189.0378	2188.9788	-0.059	-27	419	438	YGHAACFGLQPGCLLPNGTR			Mascot
2229.092	2229.0354	-0.0566	-25	44	63	VYDTVGALDLDVSNYEN	51	99.799	Mascot
2229.092	2229.0354	-0.0566	-25	44	63	VYDTVGALDLDVSNYEN			Mascot
2283.0632	2283.1169	0.0537	24	665	686	QDAFLLSKGLTADVESGTPCAC			Mascot
2306.1033	2306.0447	-0.0586	-25	191	211	EELGGLPEDFLNSLEKDESGK			Mascot
2351.0859	2351.0234	-0.0625	-27	336	354	YYMTQVEETQYAVDQNLK			Mascot
2357.187	2357.124	-0.063	-27	43	63	KVYDTVGALDLDVSNYE			Mascot

	2367.0808	2367.0222	-0.0586	-25	336	354	NTLK YYMTQVEETQYAVDQNQ LK				Oxidation (M)[3]	Mascot
	2370.2551	2370.1721	-0.083	-35	23	42	WDLTPEQINQLTEELIAK K					Mascot
	2410.2976	2410.2312	-0.0664	-28	21	40	LRWDLTPEQINQLTEELIA K					Mascot
	2731.3184	2731.2441	-0.0743	-27	496	517	DFVEAPSQMLENWWWE KEPIQR					Mascot
	2731.3184	2731.2441	-0.0743	-27	496	517	DFVEAPSQMLENWWWE KEPIQR	163	100			Mascot
	2747.3132	2747.2437	-0.0695	-25	496	517	DFVEAPSQMLENWWWE KEPIQR				Oxidation (M)[9]	Mascot
2	novel protein similar to H.sapiens TTN, titin (TTN) [Danio rerio]					gi 169154588	2451841.5	6.24	65	60	96.034	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
809.3675	809.3594	-0.0081	-10	21789	21795	AEAFEDK					Mascot
842.5094	842.4899	-0.0195	-23	4439	4446	LSIPGVTR					Mascot
882.4315	882.5447	0.1132	128	15166	15173	DGSSFTLR					Mascot
891.4166	891.3801	-0.0365	-41	15504	15512	ESVASDAGR					Mascot
907.4705	907.4323	-0.0382	-42	16765	16771	NSLLWMK			Oxidation (M)[6]		Mascot
908.4294	908.4072	-0.0222	-24	8865	8872	NSCTLGWK					Mascot
965.4509	965.4443	-0.0066	-7	8865	8872	NSCTLGWK			Carbamidomethyl (C)[3]		Mascot
996.5373	996.5723	0.035	35	3587	3593	QYQFRVR					Mascot
1042.5204	1042.557	0.0366	35	16493	16500	ELSEVYFR					Mascot
1045.6404	1045.5388	-0.1016	-97	5457	5466	GTKFVVPGLK					Mascot
1093.5095	1093.5359	0.0264	24	5041	5048	ETWKQCNK			Carbamidomethyl (C)[6]		Mascot
1118.6205	1118.6045	-0.016	-14	13511	13519	EKNSILWTK					Mascot
1118.6681	1118.6045	-0.0636	-57	2058	2066	ILAYVVERR					Mascot
1123.4871	1123.5106	0.0235	21	9489	9497	LAENVMDCR			Carbamidomethyl (C)[8], Oxidation (M)[6]		Mascot
1157.7252	1157.6738	-0.0514	-44	11658	11667	VQTLNLKITK					Mascot
1165.6211	1165.7151	0.094	81	17778	17788	VSAENKFGVSK					Mascot
1183.6028	1183.5306	-0.0722	-61	1355	1364	KYEMISEGVK					Mascot
1194.5923	1194.553	-0.0393	-33	156	165	TLEEEMSVIK			Oxidation (M)[6]		Mascot
1199.5977	1199.5233	-0.0744	-62	1355	1364	KYEMISEGVK			Oxidation (M)[4]		Mascot
1221.6051	1221.5453	-0.0598	-49	268	276	DTPNWKWFK					Mascot
1221.6051	1221.5453	-0.0598	-49	268	276	DTPNWKWFK					Mascot
1242.6113	1242.5757	-0.0356	-29	14517	14526	LTQGTEYQFR					Mascot
1258.6976	1258.5682	-0.1294	-103	19126	19136	GKPLPTCKWTK					Mascot

1325.6888	1325.6576	-0.0312	-24	19425	19434	EILGYWIEFR			Mascot
1343.6776	1343.5637	-0.1139	-85	4252	4264	YGCGPPVDLGPIR			Mascot
1343.6776	1343.5637	-0.1139	-85	4252	4264	YGCGPPVDLGPIR			Mascot
1359.6328	1359.5563	-0.0765	-56	20560	20570	NTEVTWYFGSR			Mascot
1367.6412	1367.5828	-0.0584	-43	7028	7037	LMENHEYLF	Oxidation (M)[2]		Mascot
1375.5769	1375.5514	-0.0255	-19	20550	20559	FVCCNIENYDR	Carbamidomethyl (C)[3,4]		Mascot
1391.6624	1391.7058	0.0434	31	11997	12008	VLDTDPMPANFR	Oxidation (M)[7]		Mascot
1492.7166	1492.7264	0.0098	7	18002	18014	DEYTPPKAELDSK			Mascot
1492.7465	1492.7264	-0.0201	-13	14627	14640	VYAENIAGIGPCTK	Carbamidomethyl (C)[12]		Mascot
1626.7693	1626.7129	-0.0564	-35	10716	10730	ACDTIFQPGPPGNPR	Carbamidomethyl (C)[2]		Mascot
1629.7809	1629.7004	-0.0805	-49	6389	6400	TEVWLQWNWPD			Mascot
1629.9104	1629.7004	-0.21	-129	5809	5822	LVVRVGETCIQSR	Carbamidomethyl (C)[9]		Mascot
1682.8265	1682.7738	-0.0527	-31	6244	6258	AEIETSGTTTKLEMR	Oxidation (M)[14]		Mascot
1682.8265	1682.7738	-0.0527	-31	6244	6258	AEIETSGTTTKLEMR	Oxidation (M)[14]		Mascot
1698.8367	1698.765	-0.0717	-42	11047	11061	ITGYIVEMQGNSDK	Oxidation (M)[8]		Mascot
1714.7965	1714.7611	-0.0354	-21	11274	11287	TGCEYQFRIAENR	Carbamidomethyl (C)[3]		Mascot
1797.8734	1797.9053	0.0319	18	14649	14664	DPCAPPSQPRVMNITR	Oxidation (M)[12]		Mascot
1797.9713	1797.9053	-0.066	-37	6208	6224	ELKAMAGTHINIMAGIK		1 0	Mascot
1820.1255	1819.8815	-0.244	-134	15462	15478	IEIPLTGKPLPKVLSK			Mascot
1842.8293	1842.7349	-0.0944	-51	1063	1077	FETEISEEDVHGHWK			Mascot
1909.9728	1909.9938	0.021	11	1419	1434	LICEVSKPSAEVTWYK	Carbamidomethyl (C)[3]		Mascot
1970.877	1970.8958	0.0188	10	5938	5953	DLWMPVTESCTRTSCK	Carbamidomethyl (C)[10,15]		Mascot
2099.0227	2098.9607	-0.062	-30	2364	2382	WTFGENALTAGDRVSMV TK	Oxidation (M)[16]		Mascot
2108.1069	2107.9185	-0.1884	-89	2167	2184	DRTSVVWAPVMVTKPHE R			Mascot
2124.1018	2123.9202	-0.1816	-85	2167	2184	DRTSVVWAPVMVTKPHE R	Oxidation (M)[11]		Mascot
2140.989	2141.0518	0.0628	29	1278	1296	LVIHDCTLDDSKTYTCDA K			Mascot
2166.0825	2165.895	-0.1875	-87	13016	13034	GRPIPEINWTKDDGLPD K			Mascot
2189.0066	2188.9788	-0.0278	-13	19865	19884	CENIGGESDWSEISEPVI PK			Mascot
2190.0205	2189.9678	-0.0527	-24	16484	16500	CQCEVTELKELSEVYFR	Carbamidomethyl (C)[1,3]		Mascot
2190.2029	2189.9678	-0.2351	-107	10448	10467	LDAAHTGRPIPSIVWTKD GK			Mascot
2194.0583	2194.0261	-0.0322	-15	13155	13174	VMAENEFGIGLPVETES VK	Oxidation (M)[2]		Mascot
2211.021	2211.0452	0.0242	11	7302	7320	MVWSTYSASLVNVCNV TR	Oxidation (M)[1]		Mascot
2215.1111	2215.0227	-0.0884	-40	20741	20759	LNVAPHAVAEDTMRPMF KR	Oxidation (M)[13,16]		Mascot
2221.1248	2221.0967	-0.0281	-13	19188	19207	VIGRPDPPEGPLEFDDIQ AR			Mascot

	2225.0479	2225.0618	0.0139	6	8052	8070	HPFDPPSEPLNCCVNKV SK		Carbamidomethyl (C)[12,13]	Mascot
	2229.1736	2229.0354	-0.1382	-62	7725	7743	ITNLTPGIEYYFRVMAVN K			Mascot
	2229.1736	2229.0354	-0.1382	-62	7725	7743	ITNLTPGIEYYFRVMAVN K			Mascot
	2283.1284	2283.1169	-0.0115	-5	2993	3014	VRAVNVAGESEPESEPSD PVLCK			Mascot
	2284.1389	2284.1128	-0.0261	-11	10716	10736	ACDTIFQPGPPGNPRVLD TTK		Carbamidomethyl (C)[2]	Mascot
	2306.0732	2306.0447	-0.0285	-12	7121	7138	ETFFMVVDKCVENHIYQFR			Mascot
	2351.1272	2351.0234	-0.1038	-44	7301	7320	RMVWSTYSASLVNYYCN VTR			Mascot
	2357.0979	2357.124	0.0261	11	5253	5270	ECQYIVQRLTEGHEYEFK		Carbamidomethyl (C)[2]	Mascot
	2367.1221	2367.0222	-0.0999	-42	7301	7320	RMVWSTYSASLVNYYCN VTR		Oxidation (M)[2]	Mascot
	2370.124	2370.1721	0.0481	20	2995	3016	AVNVAGESEPESEPSDPV LCKER		Carbamidomethyl (C)[19]	Mascot
	2410.0762	2410.2312	0.155	64	1463	1483	MDDAGEYHCKLPTSQTT GNLR		Carbamidomethyl (C)[9], Oxidation (M)[1]	Mascot
	2474.1868	2474.0852	-0.1016	-41	8873	8895	KPISDGGSHVVAYALEIC EGEDK		Carbamidomethyl (C)[18]	Mascot
	2683.2014	2683.2458	0.0444	17	4189	4212	LMMLNWSDDDDGGSD VTGFIIR			Mascot
	2731.3396	2731.2441	-0.0955	-35	8873	8897	KPISDGGSHVVAYALEIC EGEDKWK			Mascot
	2731.3396	2731.2441	-0.0955	-35	8873	8897	KPISDGGSHVVAYALEIC EGEDKWK			Mascot
	2747.4556	2747.2437	-0.2119	-77	21863	21887	TSFSFVGQVFQAIYTKVT AFVAAHK			Mascot
	2763.4238	2763.2476	-0.1762	-64	16346	16370	GKLTLSWEPPYIDGGSPI TNYVVEK			Mascot
3	PREDICTED: NACHT, LRR and PYD domains-containing protein 1 [Danio rerio]				gi 326674401	10256.3	7.63	7	55	86.561

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	1042.5779	1042.557	-0.0209	-20	86	94	ELDLLVNNL					Mascot
	1258.7001	1258.5682	-0.1319	-105	72	83	ALTEALKSNPSK					Mascot
	1325.6453	1325.6576	0.0123	9	44	54	LCVGLQNPHCK			Carbamidomethyl (C)[2,10]		Mascot
	1797.8357	1797.9053	0.0696	39	6	23	CGLTEESCAALASALSSK	2	0	Carbamidomethyl (C)[1]		Mascot
	1797.8357	1797.9053	0.0696	39	6	23	CGLTEESCAALASALSSK			Carbamidomethyl (C)[1]		Mascot
	2141.1018	2141.0518	-0.05	-23	60	78	LSNCNVTHEELRALTEAL K					Mascot
	2166.1145	2165.895	-0.2195	-101	2	23	ILAKCGLTEESCAALASAL SSK					Mascot
	2370.1714	2370.1721	0.0007	0	1	23	MILAKCGLTEESCAALAS ALSSK			Carbamidomethyl (C)[6], Oxidation (M)[1]		Mascot
4	PREDICTED: BDNF/NT-3 growth factors receptor [Danio rerio]				gi 326670340	87835.2	6.08	14	48	22.666		

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
809.4225	809.3594	-0.0631	-78	45	51	SIMAFPK			Oxidation (M)[3]		Mascot
842.4042	842.4899	0.0857	102	79	84	DLEFYR					Mascot
882.4138	882.5447	0.1309	148	650	657	IGDFGMSR					Mascot
907.4519	907.4323	-0.0196	-22	499	507	ELGEGAFGK					Mascot
965.5315	965.4443	-0.0872	-90	123	129	LSWRTFR					Mascot
1118.5801	1118.6045	0.0244	22	529	538	TLKEASENAR					Mascot
1118.5801	1118.6045	0.0244	22	529	538	TLKEASENAR					Mascot
1258.6824	1258.5682	-0.1142	-91	639	649	NCLVGENLLVK			Carbamidomethyl (C)[2]		Mascot
1325.6017	1325.6576	0.0559	42	677	686	WMPPEsimyr			Oxidation (M)[2]		Mascot
1375.7368	1375.5514	-0.1854	-135	464	474	IPVIENPQYFR					Mascot
1682.824	1682.7738	-0.0502	-30	37	51	ISCVDAERSIMAFPK			Oxidation (M)[11]		Mascot
1682.824	1682.7738	-0.0502	-30	37	51	ISCVDAERSIMAFPK			Oxidation (M)[11]		Mascot
2190.022	2189.9678	-0.0542	-25	739	755	EVYDLMLGCWQREPHTR			Carbamidomethyl (C)[9]		Mascot
2190.022	2189.9678	-0.0542	-25	739	755	EVYDLMLGCWQREPHTR			Carbamidomethyl (C)[9]		Mascot
2306.3118	2306.0447	-0.2671	-116	760	780	EIHNLLLNLAKASPVYLDI LG					Mascot
2410.2686	2410.2312	-0.0374	-16	508	528	VFLAECYNLSADQEKILV AVK			Carbamidomethyl (C)[6]		Mascot
2683.2524	2683.2458	-0.0066	-2	200	223	GLNVTLCNTSGMPTPN LTWTTCK			Carbamidomethyl (C)[8,23], Oxidation (M)[13]		Mascot

5 PREDICTED: inactive ubiquitin carboxyl-terminal hydrolase 53-like [Danio rerio] gi|326663976 107397.4 8.94 16 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
891.4716	891.3801	-0.0915	-103	298	305	DVASKCIR					Mascot
996.4965	996.5723	0.0758	76	586	593	QMMVTRSK			Oxidation (M)[2]		Mascot
1042.5099	1042.557	0.0471	45	697	705	LRYS SCGTR					Mascot
1093.5055	1093.5359	0.0304	28	477	487	SNQGMASGVSR					Mascot
1157.6273	1157.6738	0.0465	40	57	66	ERALPSDTLR					Mascot
1194.5784	1194.553	-0.0254	-21	346	356	GTDTQLSGCKK			Carbamidomethyl (C)[9]		Mascot
1199.5876	1199.5233	-0.0643	-54	532	540	QQQQQQQQR					Mascot
1325.6478	1325.6576	0.0098	7	1	14	MSGTGARSGTGLSK			Oxidation (M)[1]		Mascot
1359.6838	1359.5563	-0.1275	-94	662	673	MEAARSPLYHGK					Mascot
1375.6787	1375.5514	-0.1273	-93	662	673	MEAARSPLYHGK			Oxidation (M)[1]		Mascot
1391.7139	1391.7058	-0.0081	-6	458	469	VSRTEHSSVHPR					Mascot

1626.8281	1626.7129	-0.1152	-71	445	457	FHCEQRPRTLPSR						Mascot
1698.731	1698.765	0.034	20	852	867	MEINGTCPSSSDVSSK				Carbamidomethyl (C)[7]		Mascot
1714.7258	1714.7611	0.0353	21	852	867	MEINGTCPSSSDVSSK				Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot
1797.8105	1797.9053	0.0948	53	851	867	RMEINGTCPSSSDVSSK						Mascot
1797.8105	1797.9053	0.0948	53	851	867	RMEINGTCPSSSDVSSK						Mascot
2189.1396	2188.9788	-0.1608	-73	918	936	YHHQRPLVLSMPEPRGA GK				Oxidation (M)[11]		Mascot
2306.0505	2306.0447	-0.0058	-3	642	661	LSQDAQHLRDQGHNNQ DDSK						Mascot
2474.0405	2474.0852	0.0447	18	852	874	MEINGTCPSSSDVSSKS GSDQER				Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot

6 PREDICTED: interferon-induced very large GTPase 1 gi|326665713 165664.4 5.71 19 40 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
908.4359	908.4072	-0.0287	-32	1377	1383	FQEDLEK					Mascot
996.4268	996.5723	0.1455	146	760	767	DEVYDAER					Mascot
1042.5316	1042.557	0.0254	24	381	389	ESFLPHQ GK					Mascot
1045.6404	1045.5388	-0.1016	-97	1160	1168	KFNISVL PK					Mascot
1093.4691	1093.5359	0.0668	61	1105	1114	SNCESLNGNR					Mascot
1118.6165	1118.6045	-0.012	-11	662	671	SLELSGKQTR					Mascot
1118.6165	1118.6045	-0.012	-11	662	671	SLELSGKQTR					Mascot
1183.6074	1183.5306	-0.0768	-65	31	39	LLMMNYRAR			Oxidation (M)[3]		Mascot
1199.6024	1199.5233	-0.0791	-66	31	39	LLMMNYRAR			Oxidation (M)[3,4]		Mascot
1221.6222	1221.5453	-0.0769	-63	969	978	THHENTLLEK					Mascot
1221.6395	1221.5453	-0.0942	-77	637	646	VSEEMIKEIK			Oxidation (M)[5]		Mascot
1258.6426	1258.5682	-0.0744	-59	832	841	DLWEALLNER					Mascot
1626.885	1626.7129	-0.1721	-106	376	389	LTEIKESFLPHQ GK					Mascot
1682.8325	1682.7738	-0.0587	-35	1372	1383	WVWVRFQEDLEK					Mascot
1682.8325	1682.7738	-0.0587	-35	1372	1383	WVWVRFQEDLEK					Mascot
1698.8441	1698.765	-0.0791	-47	1023	1036	IMTDVSEILCNLYK			Carbamidomethyl (C)[10]		Mascot
1714.839	1714.7611	-0.0779	-45	1023	1036	IMTDVSEILCNLYK			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
2108.0667	2107.9185	-0.1482	-70	206	224	SRILMDGVVEIAWFCPSG K					Mascot
2124.0615	2123.9202	-0.1413	-67	206	224	SRILMDGVVEIAWFCPSG K			Oxidation (M)[5]		Mascot
2189.0339	2188.9788	-0.0551	-25	87	105	IHPMDVQMAVFHCADAF LK			Oxidation (M)[4]		Mascot
2306.1775	2306.0447	-0.1328	-58	459	478	ILLDEHTSADLSALHHKY DK					Mascot

	2357.1443	2357.124	-0.0203	-9	1239	1259	QELPDIMSQTSTGFNKT GQK						Mascot
	2410.2244	2410.2312	0.0068	3	282	302	TAKPLICLFTEDESPLTE KK			Oxidation (M)[19]			Mascot
	2731.3184	2731.2441	-0.0743	-27	150	172	DNEIISQSQPVYNAQTPM VFFFR						Mascot
	2731.3184	2731.2441	-0.0743	-27	150	172	DNEIISQSQPVYNAQTPM VFFFR						Mascot
	2747.3132	2747.2437	-0.0695	-25	150	172	DNEIISQSQPVYNAQTPM VFFFR			Oxidation (M)[18]			Mascot
7	novel protein similar to H.sapiens NTRK2, neurotrophic tyrosine kinase, receptor, type 2 (NTRK2) [D												
						gi 220673329	44252.6	6.45	9	40	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4138	882.5447	0.1309	148	262	269	IGDFGMSR					Mascot
907.4519	907.4323	-0.0196	-22	111	119	ELGEGAFGK					Mascot
1118.5801	1118.6045	0.0244	22	141	150	TLKEASENAR					Mascot
1118.5801	1118.6045	0.0244	22	141	150	TLKEASENAR					Mascot
1258.6824	1258.5682	-0.1142	-91	251	261	NCLVGENLLVK			Carbamidomethyl (C)[2]		Mascot
1325.6017	1325.6576	0.0559	42	289	298	WMPPEMIMYR			Oxidation (M)[2]		Mascot
1375.7368	1375.5514	-0.1854	-135	76	86	IPVIENPQYFR					Mascot
2190.022	2189.9678	-0.0542	-25	351	367	EVYDLMLGCWQREPHT			Carbamidomethyl (C)[9]		Mascot
2190.022	2189.9678	-0.0542	-25	351	367	EVYDLMLGCWQREPHT			Carbamidomethyl (C)[9]		Mascot
2306.3118	2306.0447	-0.2671	-116	372	392	EIHNNLLNLAKASPVYLDI LG					Mascot
2410.2686	2410.2312	-0.0374	-16	120	140	VFLAECYNLSADQEKILV AVK			Carbamidomethyl (C)[6]		Mascot

8	PREDICTED: telomerase-binding protein EST1A-like [Danio rerio]												
						gi 326671361	172765.9	8.16	19	39	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4114	842.4899	0.0785	93	267	273	HSEEGRK					Mascot
908.4909	908.4072	-0.0837	-92	1439	1446	AAVMFLEK					Mascot
996.5512	996.5723	0.0211	21	809	816	LQSVFQFK					Mascot
1042.4735	1042.557	0.0835	80	376	383	RYSQSDMR					Mascot
1093.4392	1093.5359	0.0967	88	257	266	DGQDDSNQSK					Mascot
1118.5623	1118.6045	0.0422	38	1	9	MADELERVR					Mascot
1118.5623	1118.6045	0.0422	38	1	9	MADELERVR					Mascot
1183.5226	1183.5306	0.008	7	857	867	EQASESANYGK					Mascot

	1194.6226	1194.553	-0.0696	-58	320	330	ASEAPHLEGRK										Mascot
	1492.7502	1492.7264	-0.0238	-16	412	424	AEGQQFSARTLER										Mascot
	1492.7502	1492.7264	-0.0238	-16	412	424	AEGQQFSARTLER										Mascot
	1698.9021	1698.765	-0.1371	-81	774	788	QLLKDQNSDTAPQIK										Mascot
	1970.9932	1970.8958	-0.0974	-49	1262	1278	YFLEALCGQEEPLAFK										Mascot
	2107.9084	2107.9185	0.0101	5	389	409	TYSTSSASSGTSMDGLA EAER										Mascot
	2123.9033	2123.9202	0.0169	8	389	409	TYSTSSASSGTSMDGLA EAER						Oxidation (M)[13]				Mascot
	2210.9263	2211.0452	0.1189	54	1480	1497	GNNDDEVILSCCLHYCQD K						Carbamidomethyl (C)[10,11,15]				Mascot
	2215.1614	2215.0227	-0.1387	-63	1056	1073	MLQITINMFTIYNAQIR						Oxidation (M)[1,9]				Mascot
	2221.2451	2221.0967	-0.1484	-67	1036	1055	VLLFRALLQHSPSPLGS TR										Mascot
	2229.1257	2229.0354	-0.0903	-41	10	30	ISAAELRAQASSFNIHGD DVK										Mascot
	2229.1257	2229.0354	-0.0903	-41	10	30	ISAAELRAQASSFNIHGD DVK										Mascot
	2283.1301	2283.1169	-0.0132	-6	1138	1156	ELLPSMKVWSDWMLGH PEK										Mascot
	2351.1765	2351.0234	-0.1531	-65	743	762	VILTDFEFSQNVDTL WK										Mascot
	2410.0583	2410.2312	0.1729	72	1480	1499	GNNDDEVILSCCLHYCQD KAK						Carbamidomethyl (C)[10,11,15]				Mascot
9	PREDICTED: retrotransposable element Tf2 155 kDa protein type 1-like [Danio rerio]										gi 326675725	129547	9.45	15	38	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
809.4039	809.3594	-0.0445	-55	127	133	AFSDELK					Mascot
908.4584	908.4072	-0.0512	-56	765	771	LFDRSDR					Mascot
1157.646	1157.6738	0.0278	24	1114	1123	NIPLRTVCNK					Mascot
1343.7529	1343.5637	-0.1892	-141	595	607	QLAAPLTNLTSSK					Mascot
1343.7529	1343.5637	-0.1892	-141	595	607	QLAAPLTNLTSSK					Mascot
1375.7004	1375.5514	-0.149	-108	107	118	AALWGTTWENK					Mascot
1492.7502	1492.7264	-0.0238	-16	134	147	VVFDQAASGREASR					Mascot
1492.7502	1492.7264	-0.0238	-16	134	147	VVFDQAASGREASR					Mascot
1626.9148	1626.7129	-0.2019	-124	833	847	VACHPGVSRTLFIK					Mascot
1682.8285	1682.7738	-0.0547	-33	608	622	TPFRWSNAAEAASK					Mascot
1682.9547	1682.7738	-0.1809	-107	204	218	TLEGLINLAVRVDNR					Mascot
1797.8622	1797.9053	0.0431	24	858	873	DVRDFVLACSVCAASK			Carbamidomethyl (C)[9,12]		Mascot
1797.8622	1797.9053	0.0431	24	858	873	DVRDFVLACSVCAASK			Carbamidomethyl (C)[9,12]		Mascot
2099.0227	2098.9607	-0.062	-30	556	573	MDPEKIQAVVNWPTDPS R			Oxidation (M)[1]		Mascot

	2221.0818	2221.0967	0.0149	7	53	72	SSEPRLPPQSYAGEPH LCR												Mascot
	2225.0122	2225.0618	0.0496	22	269	289	AGGLCMYCGVGGHFVAL CPAK						Carbamidomethyl (C)[5,8,18]						Mascot
	2283.0652	2283.1169	0.0517	23	268	289	RAGGLCMYCGVGGHFV ALCPAK						Carbamidomethyl (C)[6], Oxidation (M)[7]						Mascot
	2370.1006	2370.1721	0.0715	30	107	126	AALWGTTVWENKSPCCN TFK						Carbamidomethyl (C)[15,16]						Mascot
10	vitamin D3 receptor B [Danio rerio]				gi 229606097		47632.7	6.61	7	38	0	20	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
908.3964	908.4072	0.0108	12	22	29	ICGVCGDK				Carbamidomethyl (C)[2,5]		Mascot
1118.6238	1118.6045	-0.0193	-17	262	271	SSAIEVIMLR						Mascot
1118.6238	1118.6045	-0.0193	-17	262	271	SSAIEVIMLR	20		0			Mascot
1123.5421	1123.5106	-0.0315	-28	82	90	RCLDIGMMK				Carbamidomethyl (C)[2]		Mascot
1343.7417	1343.5637	-0.178	-132	250	261	ELTAEDQIALLK						Mascot
1343.7417	1343.5637	-0.178	-132	250	261	ELTAEDQIALLK						Mascot
1375.7329	1375.5514	-0.1815	-132	129	140	NIIDTLVDAHHK						Mascot
2107.9832	2107.9185	-0.0647	-31	141	157	TYDDSYSDFSRFRPPVR						Mascot
2123.9248	2123.9202	-0.0046	-2	30	48	ATGFHFNAMTCEGCKGF FR						Mascot

11 hyaluronan-binding protein 2 [Danio rerio] gi|160333545 55971.4 8.88 10 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
908.4334	908.4072	-0.0262	-29	201	207	EPWCFVK						Mascot
965.4549	965.4443	-0.0106	-11	201	207	EPWCFVK				Carbamidomethyl (C)[4]		Mascot
1093.5248	1093.5359	0.0111	10	92	100	CWPPYRGSK						Mascot
1165.571	1165.7151	0.1441	124	201	209	EPWCFVKEK						Mascot
1199.5408	1199.5233	-0.0175	-15	416	425	CMSRNVYGNR						Mascot
1367.6776	1367.5828	-0.0948	-69	486	495	FIDWINEKMR				Oxidation (M)[9]		Mascot
1820.05	1819.8815	-0.1685	-93	46	63	AAASNASVHRPILAKSVK						Mascot
1842.8877	1842.7349	-0.1528	-83	237	253	LEFSDCGKAAFSMIAPR						Mascot
2141.012	2141.0518	0.0398	19	456	474	DNIHYIYGVSWSGDSCG KK						Mascot
2210.9487	2211.0452	0.0965	44	103	122	NAYACNPSPCQNGGTCV KGR				Carbamidomethyl (C)[5,10,16]		Mascot
2228.9304	2229.0354	0.105	47	101	120	CKNAYACNPSPCQNGGT CVK				Carbamidomethyl (C)[1,7,12]		Mascot
2228.9304	2229.0354	0.105	47	101	120	CKNAYACNPSPCQNGGT CVK				Carbamidomethyl (C)[1,7,12]		Mascot

12 intraflagellar transport protein 74 homolog [Danio rerio] gi|50539838 57170.8 5.07 10 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
891.4166	891.3801	-0.0365	-41	332	339	GLNSESER					Mascot
1042.6003	1042.557	-0.0433	-42	104	112	RAAQDIIQK					Mascot
1045.5385	1045.5388	0.0003	0	179	187	RASLQAEDR					Mascot
1118.5874	1118.6045	0.0171	15	224	232	IIQLSEEMR					Mascot
1118.5874	1118.6045	0.0171	15	224	232	IIQLSEEMR					Mascot
1157.6161	1157.6738	0.0577	50	94	103	AVEEQVVQK					Mascot
1367.6471	1367.5828	-0.0643	-47	320	331	ETEMQKSQSTAK					Mascot
1492.7312	1492.7264	-0.0048	-3	105	117	AAQDIIQKMSEDK			Oxidation (M)[9]		Mascot
1492.7312	1492.7264	-0.0048	-3	105	117	AAQDIIQKMSEDK			Oxidation (M)[9]		Mascot
2099.084	2098.9607	-0.1233	-59	279	297	DSQSSIVALLEHSSRNIS R					Mascot
2221.0408	2221.0967	0.0559	25	9	26	DIDTFNQENSVYLSYEKR					Mascot
2731.2727	2731.2441	-0.0286	-10	126	148	SSNEELLQELETHQEELD TLMSR					Mascot
2731.2727	2731.2441	-0.0286	-10	126	148	SSNEELLQELETHQEELD TLMSR					Mascot
2747.2676	2747.2437	-0.0239	-9	126	148	SSNEELLQELETHQEELD TLMSR			Oxidation (M)[21]		Mascot

13 beta-adrenergic receptor kinase 2 [Danio rerio] gi|197927112 79453.5 7.57 13 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1093.5649	1093.5359	-0.029	-27	387	395	GHSPFRQHK					Mascot
1118.5043	1118.6045	0.1002	90	216	224	MYAMKCLDK			Oxidation (M)[1]		Mascot
1118.5043	1118.6045	0.1002	90	216	224	MYAMKCLDK			Oxidation (M)[1]		Mascot
1165.7303	1165.7151	-0.0152	-13	31	40	KIILPEPSIR					Mascot
1242.5316	1242.5757	0.0441	35	558	567	DCIMHGYMLK			Oxidation (M)[4,8]		Mascot
1325.6406	1325.6576	0.017	13	333	344	ISDLGLACDFSK			Carbamidomethyl (C)[8]		Mascot
1359.7168	1359.5563	-0.1605	-118	568	578	LGNPFLTQWQR					Mascot
1375.7039	1375.5514	-0.1525	-111	116	127	ELLSCSHPFSSK					Mascot
1626.9247	1626.7129	-0.2118	-130	32	45	IILPEPSIRSVMQK			Oxidation (M)[12]		Mascot
2098.9248	2098.9607	0.0359	17	365	383	GTAYDSSADWFSLGCM L FK					Mascot
2194.1438	2194.0261	-0.1177	-54	345	364	KKPHASVGTHGYMAPEV LQK			Oxidation (M)[13]		Mascot
2225.0696	2225.0618	-0.0078	-4	626	644	GGKQFVLQCESDPEFVQ					Mascot

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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5206	842.4899	-0.0307	-36	25	31	QRQGLLK					Mascot
908.3171	908.4072	0.0901	99	127	133	CSHCNMR			Carbamidomethyl (C)[1]		Mascot
965.3386	965.4443	0.1057	109	127	133	CSHCNMR			Carbamidomethyl (C)[1,4]		Mascot
1045.536	1045.5388	0.0028	3	134	141	FHCARNLK			Carbamidomethyl (C)[3]		Mascot
1093.4531	1093.5359	0.0828	76	62	70	EDLSEDEEK					Mascot
1118.4645	1118.6045	0.14	125	348	356	GFVCFECEK			Carbamidomethyl (C)[4]		Mascot
1118.4645	1118.6045	0.14	125	208	216	EFVCFECGK			Carbamidomethyl (C)[4]		Mascot
1183.6443	1183.5306	-0.1137	-96	478	487	LHQHVHTGVR					Mascot
1242.6073	1242.5757	-0.0316	-25	71	80	HQVKSEETR					Mascot
1629.8716	1629.7004	-0.1712	-105	295	309	CGHCGKTLRPAVLK					Mascot
1629.8716	1629.7004	-0.1712	-105	295	309	CGHCGKTLRPAVLK					Mascot
1819.9358	1819.8815	-0.0543	-30	44	58	IKQEETEELIDVMVK			Oxidation (M)[13]		Mascot
2189.0378	2188.9788	-0.059	-27	339	356	HQQIHTAVRGFVCFECEK			Carbamidomethyl (C)[13]		Mascot
2211.0798	2211.0452	-0.0346	-16	450	468	IHLRVHTNEKPYSCPECG K					Mascot
2214.9841	2215.0227	0.0386	17	506	524	QHQMHTGEKPYTCSHC SK					Mascot
2221.0139	2221.0967	0.0828	37	239	257	CSHCDLRFSGHSLTVH ER					Mascot
2283.0579	2283.1169	0.059	26	227	245	HQMIHTGEKPYKCSHCD LR					Mascot

15	PREDICTED: von Willebrand factor D and EGF domain-containing protein-like, partial [Danio rerio]					gi 292626323	108459.6	6.25	14	36	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
907.4917	907.4323	-0.0594	-65	620	627	ASELTMMK					Mascot
908.3679	908.4072	0.0393	43	394	400	QWDCGSR			Carbamidomethyl (C)[4]		Mascot
1093.5775	1093.5359	-0.0416	-38	648	656	ELELDSLFK					Mascot

1343.6624	1343.5637	-0.0987	-73	190	200	YSSNTMKVEIR	Oxidation (M)[6]	Mascot
1343.6624	1343.5637	-0.0987	-73	190	200	YSSNTMKVEIR	Oxidation (M)[6]	Mascot
1359.7089	1359.5563	-0.1526	-112	73	84	CGTQAPVWLSLK	Carbamidomethyl (C)[1]	Mascot
1629.7477	1629.7004	-0.0473	-29	502	516	NSHNDLHHPAGTSSR		Mascot
1629.7477	1629.7004	-0.0473	-29	502	516	NSHNDLHHPAGTSSR		Mascot
1714.9296	1714.7611	-0.1685	-98	752	766	LEEAVDLCILDQLK		Mascot
1970.884	1970.8958	0.0118	6	580	595	CLSYDNTDYTSLPFK	Carbamidomethyl (C)[1]	Mascot
2108.0085	2107.9185	-0.09	-43	67	84	CVEMNRCGTQAPVWLSLK	Carbamidomethyl (C)[1], Oxidation (M)[4]	Mascot
2166.199	2165.895	-0.304	-140	868	887	VFGLGFIDSSDLACLVLRLK		Mascot
2210.9641	2211.0452	0.0811	37	394	413	QWDCGSRHYAVACTCGVAAR	Carbamidomethyl (C)[4]	Mascot
2215.0171	2215.0227	0.0056	3	549	566	WNFCACQKGYSLSLHSTR	Carbamidomethyl (C)[4,6]	Mascot
2351.2534	2351.0234	-0.23	-98	954	975	ILTYDGICQICVAPSGICKLK		Mascot
2763.3657	2763.2476	-0.1181	-43	344	368	ITVQDVPTATCYSLTDPHIITFDGR		Mascot

16 VDR-B [Danio rerio] gi|68132044 47285.6 6.81 7 35 0 20 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
908.3964	908.4072	0.0108	12	19	26	ICGVCGDK			Carbamidomethyl (C)[2,5]		Mascot	
1118.6238	1118.6045	-0.0193	-17	259	268	SSAIEVIMLR					Mascot	
1118.6238	1118.6045	-0.0193	-17	259	268	SSAIEVIMLR	20	0			Mascot	
1123.5421	1123.5106	-0.0315	-28	79	87	RCLDIGMMK			Carbamidomethyl (C)[2]		Mascot	
1343.7417	1343.5637	-0.178	-132	247	258	ELTAEDQIALLK					Mascot	
1343.7417	1343.5637	-0.178	-132	247	258	ELTAEDQIALLK					Mascot	
1375.7329	1375.5514	-0.1815	-132	126	137	NIIDTLVDAHHK					Mascot	
2107.9832	2107.9185	-0.0647	-31	138	154	TYDDSYSDFSRFRPPVR					Mascot	
2123.9248	2123.9202	-0.0046	-2	27	45	ATGFHFNAMTCEGCKGFFR					Mascot	

17 PREDICTED: retrotransposable element Tf2 155 kDa protein type 1-like [Danio rerio] gi|326663868 132660.5 9.38 15 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
809.4039	809.3594	-0.0445	-55	153	159	AFSDELK					Mascot	
908.4584	908.4072	-0.0512	-56	791	797	LFDRSDR					Mascot	
1157.646	1157.6738	0.0278	24	1140	1149	NIPLRTVCNK					Mascot	

18	novel protein similar to human adrenergic receptor kinase [Danio rerio]	1375.7004	1375.5514	-0.149	-108	133	144	AALWGTTVWENK						Mascot
		1492.7502	1492.7264	-0.0238	-16	160	173	VVFDQAASGREASR						Mascot
		1492.7502	1492.7264	-0.0238	-16	160	173	VVFDQAASGREASR						Mascot
		1626.9148	1626.7129	-0.2019	-124	859	873	VACHPGVSRTLFLVIK						Mascot
		1682.8285	1682.7738	-0.0547	-33	634	648	TPFRWSNAAEAAFSK						Mascot
		1682.9547	1682.7738	-0.1809	-107	230	244	TLEGLINLAVRVDNR						Mascot
		1797.8622	1797.9053	0.0431	24	884	899	DVRDFVLACSVCAASK	Carbamidomethyl (C)[9,12]					Mascot
		1797.8622	1797.9053	0.0431	24	884	899	DVRDFVLACSVCAASK	Carbamidomethyl (C)[9,12]					Mascot
		2099.0227	2098.9607	-0.062	-30	582	599	MDPEKIQAVVNWPTPDS R	Oxidation (M)[1]					Mascot
		2108.1499	2107.9185	-0.2314	-110	615	633	FIRNFSQLAAPLTNLTSSK						Mascot
		2221.0818	2221.0967	0.0149	7	79	98	SSEPRLPPPQSYAGEPH LCR						Mascot
		2225.0122	2225.0618	0.0496	22	295	315	AGGLCMYCGVGGHFVAL CPAK	Carbamidomethyl (C)[5,8,18]					Mascot
		2283.0652	2283.1169	0.0517	23	294	315	RAGGLCMYCGVGGHFV ALCPAK	Carbamidomethyl (C)[6], Oxidation (M)[7]					Mascot
2370.1006	2370.1721	0.0715	30	133	152	AALWGTTVWENKSPCCN TFK	Carbamidomethyl (C)[15,16]					Mascot		
18	novel protein similar to human adrenergic receptor kinase [Danio rerio]					gi 29561781	68278.7	8.24	12	35	0			

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
809.4403	809.3594	-0.0809	-100	1	6	IKEYEK					Mascot
1093.5649	1093.5359	-0.029	-27	299	307	GHSPFRQHK					Mascot
1118.5043	1118.6045	0.1002	90	128	136	MYAMKCLDK			Oxidation (M)[1]		Mascot
1118.5043	1118.6045	0.1002	90	128	136	MYAMKCLDK			Oxidation (M)[1]		Mascot
1242.5316	1242.5757	0.0441	35	461	470	DCIMHGMLK			Oxidation (M)[4,8]		Mascot
1325.6406	1325.6576	0.017	13	245	256	ISDLGLACDFSK			Carbamidomethyl (C)[8]		Mascot
1359.7168	1359.5563	-0.1605	-118	471	481	LGNPFLTQWQR					Mascot
1375.7039	1375.5514	-0.1525	-111	28	39	ELLSCSHPFSSK					Mascot
2098.9248	2098.9607	0.0359	17	277	295	GTAYDSSADWFSLGCM L FK					Mascot
2194.1438	2194.0261	-0.1177	-54	257	276	KKPHASVGTHGYMAPEV LQK			Oxidation (M)[13]		Mascot
2225.0696	2225.0618	-0.0078	-4	529	547	GGKQFVLQCESDPEFVQ WK					Mascot
2474.2095	2474.0852	-0.1243	-50	19	38	QIYDVYIMKELLSCSHPF SK			Carbamidomethyl (C)[14], Oxidation (M)[8]		Mascot
2731.3232	2731.2441	-0.0791	-29	86	107	FCQWKVNLNIHMTMD FSVHR					Mascot
2731.3232	2731.2441	-0.0791	-29	86	107	FCQWKVNLNIHMTMD FSVHR					Mascot
2747.3181	2747.2437	-0.0744	-27	86	107	FCQWKVNLNIHMTMD			Oxidation (M)[15]		Mascot

19 PREDICTED: retrotransposable element Tf2 155 kDa gi|326673018 132510.4 9.38 15 34 0
protein type 1-like [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
809.4039	809.3594	-0.0445	-55	153	159	AFSDELK					Mascot
908.4584	908.4072	-0.0512	-56	791	797	LFDRSDR					Mascot
1157.646	1157.6738	0.0278	24	1140	1149	NIPLRTVCNK					Mascot
1375.7004	1375.5514	-0.149	-108	133	144	AALWGTTWENK					Mascot
1492.7502	1492.7264	-0.0238	-16	160	173	VVFDQAASGREASR					Mascot
1492.7502	1492.7264	-0.0238	-16	160	173	VVFDQAASGREASR					Mascot
1626.9148	1626.7129	-0.2019	-124	859	873	VACHPGVSRTLFIK					Mascot
1682.8285	1682.7738	-0.0547	-33	634	648	TPFRWSNAAEAASK					Mascot
1682.9547	1682.7738	-0.1809	-107	230	244	TLEGLINLAVRVNDR					Mascot
1797.8622	1797.9053	0.0431	24	884	899	DVRDFVLACSVCAASK			Carbamidomethyl (C)[9,12]		Mascot
1797.8622	1797.9053	0.0431	24	884	899	DVRDFVLACSVCAASK			Carbamidomethyl (C)[9,12]		Mascot
2099.0227	2098.9607	-0.062	-30	582	599	MDPEKIQAVVNWPTDPSR			Oxidation (M)[1]		Mascot
2108.1499	2107.9185	-0.2314	-110	615	633	FIRNFSQLAAPLTNLTSSK					Mascot
2221.0818	2221.0967	0.0149	7	79	98	SSEPRLPPQSYAGEPHLCR					Mascot
2225.0122	2225.0618	0.0496	22	295	315	AGGLCMYCGVGGHFVALCPAK			Carbamidomethyl (C)[5,8,18]		Mascot
2283.0652	2283.1169	0.0517	23	294	315	RAGGLCMYCGVGGHFVALCPAK			Carbamidomethyl (C)[6], Oxidation (M)[7]		Mascot
2370.1006	2370.1721	0.0715	30	133	152	AALWGTTWENKSPCCN TFK			Carbamidomethyl (C)[15,16]		Mascot

20 ATP-binding cassette, sub-family B (MDR/TAP), member 3 like 1 [Danio rerio] gi|54633310 81688.4 8.72 12 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
809.3895	809.3594	-0.0301	-37	383	389	MTELG MK					Mascot
965.4907	965.4443	-0.0464	-48	382	389	RMTELG MK					Mascot
996.6676	996.5723	-0.0953	-96	616	624	IAIARALIR					Mascot
1242.6624	1242.5757	-0.0867	-70	360	369	LMETHNLKTR					Mascot
1258.6572	1258.5682	-0.089	-71	360	369	LMETHNLKTR			Oxidation (M)[2]		Mascot
1492.7213	1492.7264	0.0051	3	356	367	YDGR LMETHNLK			Oxidation (M)[6]		Mascot
1492.7213	1492.7264	0.0051	3	356	367	YDGR LMETHNLK			Oxidation (M)[6]		Mascot

	1629.6996	1629.7004	0.0008	0	563	576	DNIAYGLQGCSMER	Carbamidomethyl (C)[10], Oxidation (M)[12]	Mascot		
	1629.6996	1629.7004	0.0008	0	563	576	DNIAYGLQGCSMER	Carbamidomethyl (C)[10], Oxidation (M)[12]	Mascot		
	1819.8651	1819.8815	0.0164	9	212	227	GGLFMCAINSFTCRVK	Carbamidomethyl (C)[6], Oxidation (M)[5]	Mascot		
	1842.9973	1842.7349	-0.2624	-142	474	488	LTFSYPRRPDHNVLK		Mascot		
	2099.1643	2098.9607	-0.2036	-97	275	292	TLVKTLGMLYLMVSLSW K	Oxidation (M)[8]	Mascot		
	2108.0303	2107.9185	-0.1118	-53	192	211	SAIIFMGLFSLGSSFSAG CR	Carbamidomethyl (C)[19]	Mascot		
	2124.0251	2123.9202	-0.1049	-49	192	211	SAIIFMGLFSLGSSFSAG CR	Carbamidomethyl (C)[19], Oxidation (M)[6]	Mascot		
	2211.2173	2211.0452	-0.1721	-78	228	246	VQLFGSLIRQDIGFFETIK		Mascot		
	2221.1533	2221.0967	-0.0566	-25	489	510	DFSLELKPGQITALVGMS GGGK	Oxidation (M)[17]	Mascot		
21	PREDICTED: zinc finger protein 658B [Danio rerio]				gi 326667382		85432.5	9.09	16	34	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
809.4264	809.3594	-0.067	-83	452	457	FTERTR					Mascot
891.4053	891.3801	-0.0252	-28	6	12	EESEELR					Mascot
1045.5282	1045.5388	0.0106	10	459	467	LHMAKQACK			Oxidation (M)[3]		Mascot
1118.5687	1118.6045	0.0358	32	486	494	EESEDLRIK					Mascot
1118.5687	1118.6045	0.0358	32	484	492	IKEESEDLR	11	0			Mascot
1221.6521	1221.5453	-0.1068	-87	584	593	IHMRIHTGEK					Mascot
1221.6521	1221.5453	-0.1068	-87	584	593	IHMRIHTGEK					Mascot
1359.6686	1359.5563	-0.1123	-83	99	110	IHTGEKLSTCDR					Mascot
1698.7838	1698.765	-0.0188	-11	155	169	IHSGEKPFACQHCGK			Carbamidomethyl (C)[10]		Mascot
1714.7676	1714.7611	-0.0065	-4	594	607	LFTCDQCGKSFSHK			Carbamidomethyl (C)[4,7]		Mascot
1797.8635	1797.9053	0.0418	23	155	170	IHSGEKPFACQHCGKR	3	0			Mascot
1797.8635	1797.9053	0.0418	23	155	170	IHSGEKPFACQHCGKR					Mascot
1819.8318	1819.8815	0.0497	27	468	483	SGHNNNPQDLPNEDLR					Mascot
2189.0161	2188.9788	-0.0373	-17	349	367	VHMRVHTGERPYTCAQC GK			Oxidation (M)[3]		Mascot
2220.9695	2221.0967	0.1272	57	291	308	HMRVHTGERPYSCTECG K			Carbamidomethyl (C)[13,16], Oxidation (M)[2]		Mascot
2225.0591	2225.0618	0.0027	1	207	225	SHIIRHTGEKPFPCDQCE K					Mascot
2228.9998	2229.0354	0.0356	16	644	663	VHSGERPYTCQQCGKSF ACK					Mascot
2228.9998	2229.0354	0.0356	16	644	663	VHSGERPYTCQQCGKSF ACK					Mascot
2284.0598	2284.1128	0.053	23	183	202	VHTGERPYTCQQCGKSF SQK					Mascot

22 PREDICTED: MICAL-like 1 [Danio rerio] gi|326668603 96087.1 6.54 12 34 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
842.4301	842.4899	0.0598	71	376	382	MHSPARK			Oxidation (M)[1]	Mascot
891.4141	891.3801	-0.034	-38	6	12	ALQDWCR				Mascot
1045.4697	1045.5388	0.0691	66	827	835	DFHGQGEQK				Mascot
1165.5684	1165.7151	0.1467	126	180	187	LYHRNCFR			Carbamidomethyl (C)[6]	Mascot
1183.6793	1183.5306	-0.1487	-126	606	617	SARPPSLSAGLK				Mascot
1258.5402	1258.5682	0.028	22	155	166	STLSSTCSACGK			Carbamidomethyl (C)[7,10]	Mascot
1492.7754	1492.7264	-0.049	-33	642	655	TTTSANSFVSRPPK				Mascot
1492.7754	1492.7264	-0.049	-33	642	655	TTTSANSFVSRPPK				Mascot
1819.8894	1819.8815	-0.0079	-4	767	781	CLLNKPEKEWTSEDK				Mascot
2189.9978	2189.9678	-0.03	-14	236	255	LT TSAEDPLCGNDSEISP QR			Carbamidomethyl (C)[10]	Mascot
2189.9978	2189.9678	-0.03	-14	236	255	LT TSAEDPLCGNDSEISP QR			Carbamidomethyl (C)[10]	Mascot
2410.2573	2410.2312	-0.0261	-11	557	579	SVSEPSINTPASALSQKA ELQPR				Mascot
2474.1755	2474.0852	-0.0903	-36	676	696	VQSDQFIPVEDIHVEMSD LEK			Oxidation (M)[16]	Mascot
2747.3611	2747.2437	-0.1174	-43	194	217	TLLPGSYKFTEDPGALVC THHFTR			Carbamidomethyl (C)[18]	Mascot
23	Transferrin-a [Danio rerio]			gi 159155968		56844.4	5.78	7	34	0 18 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1221.5793	1221.5453	-0.034	-28	93	102	TCNFAREPAR			Carbamidomethyl (C)[2]	Mascot
1221.5793	1221.5453	-0.034	-28	93	102	TCNFAREPAR	18	0	Carbamidomethyl (C)[2]	Mascot
1359.6586	1359.5563	-0.1023	-75	289	301	SCHTGLGRSAGWK				Mascot
1492.8005	1492.7264	-0.0741	-50	498	510	TYKTSQNVPLVK				Mascot
1492.8005	1492.7264	-0.0741	-50	498	510	TYKTSQNVPLVK				Mascot
1629.736	1629.7004	-0.0356	-22	74	86	QNYELLCMDGSRK			Carbamidomethyl (C)[7], Oxidation (M)[8]	Mascot
1629.736	1629.7004	-0.0356	-22	74	86	QNYELLCMDGSRK			Carbamidomethyl (C)[7], Oxidation (M)[8]	Mascot
2189.9124	2189.9678	0.0554	25	319	339	FFSEGCAPGADPTSNMC KPCK				Mascot
2189.9124	2189.9678	0.0554	25	319	339	FFSEGCAPGADPTSNMC KPCK				Mascot
2357.1223	2357.124	0.0017	1	173	195	DGNPSAPTSQTKLAMCTI GHAEK				Mascot
2370.084	2370.1721	0.0881	37	398	417	DLKSEDFELICPNTPDIT MK			Carbamidomethyl (C)[11], Oxidation (M)[19]	Mascot
24	novel protein [Danio rerio]			gi 220679558		45035	4.99	8	34	0

Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type		
	842.473	842.4899	0.0169	20	382	388 DPKDVLRL					Mascot		
	882.4791	882.5447	0.0656	74	1	7 VSTYTRR					Mascot		
	1045.5889	1045.5388	-0.0501	-48	54	62 VIDTLESLR					Mascot		
	1242.5541	1242.5757	0.0216	17	7	16 RCPGCQMIYR			Oxidation (M)[7]		Mascot		
	2098.9644	2098.9607	-0.0037	-2	220	237 DCNVDSNGSAFDMILRL R			Carbamidomethyl (C)[2], Oxidation (M)[13]		Mascot		
	2214.9939	2215.0227	0.0288	13	217	235 LCKDCNVDSNGSAFDMIL R			Carbamidomethyl (C)[2,5]		Mascot		
	2370.0708	2370.1721	0.1013	43	253	274 ICGSSGGCSVVMCPHGV VYSLK			Carbamidomethyl (C)[2,8,13], Oxidation (M)[12]		Mascot		
	2731.3074	2731.2441	-0.0633	-23	249	274 IYQKICGSSGGCSVVMCP HGVVYSLK			Oxidation (M)[16]		Mascot		
	2731.3074	2731.2441	-0.0633	-23	249	274 IYQKICGSSGGCSVVMCP HGVVYSLK			Oxidation (M)[16]		Mascot		
25	Transferrin-a [Danio rerio]				gij68085326		56868.3	5.58	7	33	0	18	0
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type		
	1221.5793	1221.5453	-0.034	-28	93	102 TCNFAREPAR			Carbamidomethyl (C)[2]		Mascot		
	1221.5793	1221.5453	-0.034	-28	93	102 TCNFAREPAR	18	0	Carbamidomethyl (C)[2]		Mascot		
	1359.6586	1359.5563	-0.1023	-75	289	301 SCHTGLGRSAGWK					Mascot		
	1492.8005	1492.7264	-0.0741	-50	498	510 TYKTSQNPDLVK					Mascot		
	1492.8005	1492.7264	-0.0741	-50	498	510 TYKTSQNPDLVK					Mascot		
	1629.736	1629.7004	-0.0356	-22	74	86 QNYELLCMDGSRK			Carbamidomethyl (C)[7], Oxidation (M)[8]		Mascot		
	1629.736	1629.7004	-0.0356	-22	74	86 QNYELLCMDGSRK			Carbamidomethyl (C)[7], Oxidation (M)[8]		Mascot		
	2141.0002	2141.0518	0.0516	24	501	520 TSQNPDLVKACTFGNCI SS			Carbamidomethyl (C)[12]		Mascot		
	2357.1223	2357.124	0.0017	1	173	195 DGNPSAPTSQTKLAMCTI GHAEK					Mascot		
	2370.084	2370.1721	0.0881	37	398	417 DLKSEDFELICNPDPDTT MK			Carbamidomethyl (C)[11], Oxidation (M)[19]		Mascot		
26	PREDICTED: cytoplasmic FMR1-interacting protein 2-like [Danio rerio]				gij326673718		62081	7.56	10	33	0		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type		
	965.505	965.4443	-0.0607	-63	276	283 TDVFQSLR					Mascot		
	1042.5469	1042.557	0.0101	10	192	200 NFVGPPHFK					Mascot		
	1045.5524	1045.5388	-0.0136	-13	475	483 QDGKDEIIK					Mascot		

	1093.5775	1093.5359	-0.0416	-38	267	275	DIIEYAELK											Mascot
	1165.5895	1165.7151	0.1256	108	25	34	CGVQARFTAR						Carbamidomethyl (C)[1]					Mascot
	1359.7487	1359.5563	-0.1924	-141	236	246	TLIEVMPKICR						Carbamidomethyl (C)[10]					Mascot
	1375.7435	1375.5514	-0.1921	-140	236	246	TLIEVMPKICR						Carbamidomethyl (C)[10], Oxidation (M)[6]					Mascot
	1626.871	1626.7129	-0.1581	-97	61	74	FVHERSVIAALNDR											Mascot
	1698.8375	1698.765	-0.0725	-43	372	385	LCCGLSMFEVILTR						Carbamidomethyl (C)[2,3]					Mascot
	1714.8324	1714.7611	-0.0713	-42	372	385	LCCGLSMFEVILTR						Carbamidomethyl (C)[2,3], Oxidation (M)[7]					Mascot
	2190.0859	2189.9678	-0.1181	-54	35	55	GGVSEIECPELDFAAARA LNK											Mascot
	2190.0859	2189.9678	-0.1181	-54	35	55	GGVSEIECPELDFAAARA LNK											Mascot
	2306.261	2306.0447	-0.2163	-94	201	220	TICRLLG YQGIAV VMEELL K						Carbamidomethyl (C)[3]					Mascot
27	Transferrin-a [Danio rerio]				gi 112180541		56852.3	5.58	7	33	0	18	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1221.5793	1221.5453	-0.034	-28	93	102	TCNFAREPAR			Carbamidomethyl (C)[2]		Mascot
1221.5793	1221.5453	-0.034	-28	93	102	TCNFAREPAR	18	0	Carbamidomethyl (C)[2]		Mascot
1359.6586	1359.5563	-0.1023	-75	289	301	SCHTGLGRSAGWK					Mascot
1492.8005	1492.7264	-0.0741	-50	498	510	TYKTSQNV PDLVK					Mascot
1492.8005	1492.7264	-0.0741	-50	498	510	TYKTSQNV PDLVK					Mascot
1629.736	1629.7004	-0.0356	-22	74	86	QNYELLCMDGSRK			Carbamidomethyl (C)[7], Oxidation (M)[8]		Mascot
1629.736	1629.7004	-0.0356	-22	74	86	QNYELLCMDGSRK			Carbamidomethyl (C)[7], Oxidation (M)[8]		Mascot
2141.0002	2141.0518	0.0516	24	501	520	TSQNV PDLV KACTFGNCI SS			Carbamidomethyl (C)[12]		Mascot
2357.1223	2357.124	0.0017	1	173	195	DGNPSAPTSQTKLAMCTI GHA EK					Mascot
2370.084	2370.1721	0.0881	37	398	417	DLKSEDFELICNPDPDTT MK			Carbamidomethyl (C)[11], Oxidation (M)[19]		Mascot

28 PREDICTED: retrotransposable element Tf2 155 kDa protein type 1-like [Danio rerio] gi|326680732 128413.4 9.38 14 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
809.4039	809.3594	-0.0445	-55	115	121	AFSDELK					Mascot
908.4584	908.4072	-0.0512	-56	753	759	LFDRSDR					Mascot
1157.646	1157.6738	0.0278	24	1102	1111	NIPLRTVCNK					Mascot
1375.7004	1375.5514	-0.149	-108	95	106	AALWGTTVWENK					Mascot
1492.7502	1492.7264	-0.0238	-16	122	135	VVFDQAASGREASR					Mascot

1492.7502	1492.7264	-0.0238	-16	122	135	VVFDQAASGREASR						Mascot
1626.9148	1626.7129	-0.2019	-124	821	835	VACHPGVSRTLFLVIK						Mascot
1682.8285	1682.7738	-0.0547	-33	596	610	TPFRWSNAAEAAFSK						Mascot
1682.9547	1682.7738	-0.1809	-107	192	206	TLEGLINLAVRVDNR						Mascot
1797.8622	1797.9053	0.0431	24	846	861	DVRDFVLACSVCAASK				Carbamidomethyl (C)[9,12]		Mascot
1797.8622	1797.9053	0.0431	24	846	861	DVRDFVLACSVCAASK				Carbamidomethyl (C)[9,12]		Mascot
2099.0227	2098.9607	-0.062	-30	544	561	MDPEKIQAVVNWPTPDS R				Oxidation (M)[1]		Mascot
2108.1499	2107.9185	-0.2314	-110	577	595	FIRNFSQLAAPLTNLTSSK						Mascot
2225.0122	2225.0618	0.0496	22	257	277	AGGLCMYCGVGGHVAL CPAK				Carbamidomethyl (C)[5,8,18]		Mascot
2283.0652	2283.1169	0.0517	23	256	277	RAGGLCMYCGVGGHFV ALCPAK				Carbamidomethyl (C)[6], Oxidation (M)[7]		Mascot
2370.1006	2370.1721	0.0715	30	95	114	AALWGTTVWENKSPCCN TFK				Carbamidomethyl (C)[15,16]		Mascot

29 PREDICTED: transposon TX1 uncharacterized 149 kDa gi|326664779 protein-like, partial [Danio rerio] 131029.7 9.39 16 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
809.3973	809.3594	-0.0379	-47	179	184	LVDCFR			Carbamidomethyl (C)[4]		Mascot
882.4468	882.5447	0.0979	111	50	55	YTKWER					Mascot
1157.6313	1157.6738	0.0425	37	752	761	DDHFKVLGVK					Mascot
1199.5878	1199.5233	-0.0645	-54	176	184	DFKLVD CFR			Carbamidomethyl (C)[7]		Mascot
1325.6995	1325.6576	-0.0419	-32	1110	1120	RMIATTLQGYR			Oxidation (M)[2]		Mascot
1343.6677	1343.5637	-0.104	-77	283	292	AHWWEMVKTR					Mascot
1343.6677	1343.5637	-0.104	-77	283	292	AHWWEMVKTR					Mascot
1359.6626	1359.5563	-0.1063	-78	283	292	AHWWEMVKTR			Oxidation (M)[6]		Mascot
1367.6525	1367.5828	-0.0697	-51	708	718	RAMDLTDWFGFR					Mascot
1375.6899	1375.5514	-0.1385	-101	179	189	LVDCFRTHQR					Mascot
1797.8264	1797.9053	0.0789	44	124	137	YELFEDFQPHMLGR			Oxidation (M)[11]		Mascot
1797.8264	1797.9053	0.0789	44	124	137	YELFEDFQPHMLGR			Oxidation (M)[11]		Mascot
1842.9974	1842.7349	-0.2625	-142	609	624	MGFPGKFIAWVGLLYK			Oxidation (M)[1]		Mascot
1909.9324	1909.9938	0.0614	32	251	266	LNCSLLEDKEIAGEYR			Carbamidomethyl (C)[3]		Mascot
1971.1169	1970.8958	-0.2211	-112	802	819	AVILPLMLLVCSVFSPPR			Oxidation (M)[7]		Mascot
2108.0779	2107.9185	-0.1594	-76	519	535	NWRPITLLNCDCKLFSK			Carbamidomethyl (C)[10]		Mascot
2194.1941	2194.0261	-0.168	-77	31	49	TFRSDVLLIQECALPFLTK					Mascot
2225.051	2225.0618	0.0108	5	541	560	MSMVLEDVIHPDQACAV PGR			Carbamidomethyl (C)[15]		Mascot
2229.1445	2229.0354	-0.1091	-49	953	971	ETVSRVPGLTLCEAQVQV			Carbamidomethyl (C)[12]		Mascot

	2229.1445	2229.0354	-0.1091	-49	953	971	WR ETVSRVPGLTLCEAQQV WR					Carbamidomethyl (C)[12]	Mascot
30	inosine triphosphate pyrophosphatase [Danio rerio]				gi 153791470	22854.6	5.89	6	32	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1157.6565	1157.6738	0.0173	15	78	88	ALEGLPGYIK					Mascot
1242.694	1242.5757	-0.1183	-95	19	29	LEEVVQILGDK					Mascot
2215.0559	2215.0227	-0.0332	-15	179	198	ALAALSEHFCQDNGAPE TKR			Carbamidomethyl (C)[10]		Mascot
2221.074	2221.0967	0.0227	10	58	77	EAARQVDGPVLVEDTCL CFR					Mascot
2367.0969	2367.0222	-0.0747	-32	102	123	MLAGFEDKSAWALCTFA FCAGK					Mascot
2474.1995	2474.0852	-0.1143	-46	110	131	SAWALCTFAFCAGKEEP VQLFR					Mascot

31	PREDICTED: perforin-1-like [Danio rerio]				gi 292624265	63633.9	8.25	11	32	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.577	882.5447	-0.0323	-37	85	92	QKLPVAVK					Mascot
907.4739	907.4323	-0.0416	-46	96	103	TLPKCSMK					Mascot
908.4472	908.4072	-0.04	-44	192	199	SLPASYDR					Mascot
1123.5057	1123.5106	0.0049	4	364	373	ICSEPCKMGR					Mascot
1367.6742	1367.5828	-0.0914	-67	449	459	WRDTFDFGPVK					Mascot
1375.6423	1375.5514	-0.0909	-66	263	273	AEAHFCKEQQK			Carbamidomethyl (C)[6]		Mascot
1682.8384	1682.7738	-0.0646	-38	40	54	YNLAGEGFDVVTLE					Mascot
1682.8384	1682.7738	-0.0646	-38	40	54	YNLAGEGFDVVTLE					Mascot
2188.9856	2188.9788	-0.0068	-3	466	484	LCFEVYDADSNWNSDLL GK					Mascot
2283.1069	2283.1169	0.01	4	351	370	AVEEYIIENALMKICSEPC K					Mascot
2357.25	2357.124	-0.126	-53	204	224	SLITYTGTHYTTNVKLGG QIK					Mascot
2763.3486	2763.2476	-0.101	-37	489	512	LRSGVVTDACVFNYGTFF FTYEVK					Mascot

32	dnaJ homolog subfamily C member 4 [Danio rerio]				gi 47086683	28185	9.24	7	32	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
809.3788	809.3594	-0.0194	-24	94	99	QDYDLR					Mascot

	1042.6003	1042.557	-0.0433	-42	213	220	QQEILRQK										Mascot
	1157.6062	1157.6738	0.0676	58	219	227	QKHAEFLE										Mascot
	1194.6729	1194.553	-0.1199	-100	193	202	VITKIYNESK										Mascot
	1970.8145	1970.8958	0.0813	41	112	129	TSSSSSNPSWEANESM R										Mascot
	2357.0525	2357.124	0.0715	30	2	18	QWEAHIRLCQTCFWYCR						Carbamidomethyl (C)[9,12]				Mascot
	2410.25	2410.2312	-0.0188	-8	32	52	SQTNYYELGVKPDATLE QIK										Mascot
33	hypothetical protein LOC572032 [Danio rerio]				gi 130501553		75267.4	9.23	10	31	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
965.5162	965.4443	-0.0719	-74	68	75	VRADYSVR					Mascot
1042.5211	1042.557	0.0359	34	202	210	NRHGCTLNK					Mascot
1118.6204	1118.6045	-0.0159	-14	382	392	SFIGVLSPNGK					Mascot
1118.6204	1118.6045	-0.0159	-14	382	392	SFIGVLSPNGK					Mascot
1221.6045	1221.5453	-0.0592	-48	227	237	NIGNCFKGSPK			Carbamidomethyl (C)[5]		Mascot
1221.6045	1221.5453	-0.0592	-48	227	237	NIGNCFKGSPK			Carbamidomethyl (C)[5]		Mascot
1842.8802	1842.7349	-0.1453	-79	11	25	NNDVFRNTMEAIQK			Oxidation (M)[9]		Mascot
1909.9865	1909.9938	0.0073	4	48	65	GPVPIDSAEGEREALK					Mascot
2221.0342	2221.0967	0.0625	28	248	266	SSPLNISYESSACFYSPR R			Carbamidomethyl (C)[13]		Mascot
2233.1096	2233.0288	-0.0808	-36	267	287	NSVDVSGVTDQSAWIDV ALTR					Mascot
2306.1121	2306.0447	-0.0674	-29	246	265	LKSSPLNISYESSACFYS PR			Carbamidomethyl (C)[15]		Mascot
2731.3242	2731.2441	-0.0801	-29	145	169	SLSSNGSTLLDVYPSMLN QIGEAYR			Oxidation (M)[16]		Mascot
2731.3242	2731.2441	-0.0801	-29	145	169	SLSSNGSTLLDVYPSMLN QIGEAYR			Oxidation (M)[16]		Mascot

34 novel protein (zgc:114168) [Danio rerio] gi|220673162 33328.8 5.18 7 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
965.4549	965.4443	-0.0106	-11	276	283	YCPGVLQW					Mascot
1045.516	1045.5388	0.0228	22	256	264	STELPDVER					Mascot
1367.757	1367.5828	-0.1742	-127	265	275	LKPYQSLIDK					Mascot
1626.8638	1626.7129	-0.1509	-93	112	125	DWFQLVGLIHDVGK					Mascot
2166.0171	2165.895	-0.1221	-56	167	185	NPALNTEFGIYEPQCGLD K			Carbamidomethyl (C)[15]		Mascot
2215.0271	2215.0227	-0.0044	-2	3	21	VVNMGPDPPLAYRPECH			Carbamidomethyl (C)[16], Oxidation (M)[4]		Mascot

2233.13992233.0288-0.1111-50107125EHPDKDWFQLVGLIHDV
GK

Mascot

35PREDICTED: titin [Danio rerio]gi|18952369936456686.1668310

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
809.3675	809.3594	-0.0081	-10	32458	32464	AEAFEDK					Mascot
842.4981	842.4899	-0.0082	-10	8812	8818	EDILPKK					Mascot
882.4679	882.5447	0.0768	87	2876	2882	YKVSTER					Mascot
891.3624	891.3801	0.0177	20	4693	4701	HGSDSCSAK					Mascot
907.4301	907.4323	0.0022	2	1543	1550	DSGVITCR			Carbamidomethyl (C)[7]		Mascot
908.389	908.4072	0.0182	20	1240	1247	CSEGQTAR			Carbamidomethyl (C)[1]		Mascot
965.4509	965.4443	-0.0066	-7	19569	19576	NSCTLGWK			Carbamidomethyl (C)[3]		Mascot
996.591	996.5723	-0.0187	-19	9064	9072	MKAVPLPPK			Oxidation (M)[1]		Mascot
1042.5204	1042.557	0.0366	35	27162	27169	ELSEVYFR					Mascot
1045.5347	1045.5388	0.0041	4	7144	7153	CQIGGTPEIK					Mascot
1093.5524	1093.5359	-0.0165	-15	9592	9600	EDGIEFQKK					Mascot
1118.6205	1118.6045	-0.016	-14	24180	24188	EKNSILWTK					Mascot
1118.6238	1118.6045	-0.0193	-17	4857	4866	IACLDIQKSK	4	0			Mascot
1123.4871	1123.5106	0.0235	21	20158	20166	LAENVMDCR			Carbamidomethyl (C)[8], Oxidation (M)[6]		Mascot
1157.6525	1157.6738	0.0213	18	8082	8091	VPIESVTRK					Mascot
1165.6212	1165.7151	0.0939	81	8759	8768	ETFSVQVVTR					Mascot
1183.5697	1183.5306	-0.0391	-33	9922	9931	EMGSLLKMDK			Oxidation (M)[2,8]		Mascot
1194.5923	1194.553	-0.0393	-33	10919	10928	TLEEEMSVIK			Oxidation (M)[6]		Mascot
1199.5613	1199.5233	-0.038	-32	1797	1806	DESYEGMLKK					Mascot
1221.5304	1221.5453	0.0149	12	10260	10269	DKDEDPENVK			Oxidation (M)[8]		Mascot
1221.6409	1221.5453	-0.0956	-78	4906	4915	ILWKQGMSSR			Oxidation (M)[7]		Mascot
1242.5419	1242.5757	0.0338	27	5340	5350	YTCQVSNDAK			Carbamidomethyl (C)[3]		Mascot
1258.595	1258.5682	-0.0268	-21	2987	2998	SDAGEYTFIAGK					Mascot
1325.6888	1325.6576	-0.0312	-24	30094	30103	EILGYWIEFR					Mascot
1343.6698	1343.5637	-0.1061	-79	5309	5320	EMLTGGTCFIKK			Oxidation (M)[2]		Mascot
1343.6698	1343.5637	-0.1061	-79	5309	5320	EMLTGGTCFIKK			Oxidation (M)[2]		Mascot
1359.6328	1359.5563	-0.0765	-56	31229	31239	NTEVTWYFGSR					Mascot
1367.6406	1367.5828	-0.0578	-42	6380	6392	AGSCECSGTLRVK			Carbamidomethyl (C)[4]		Mascot
1375.5769	1375.5514	-0.0255	-19	31219	31228	FVCCIENYDR			Carbamidomethyl (C)[3,4]		Mascot
1391.6914	1391.7058	0.0144	10	2956	2967	NGVEIQFSVDQR					Mascot

1492.7061	1492.7264	0.0203	14	6635	6649	ATNNVGS DLCQGSVK		Mascot
1492.7166	1492.7264	0.0098	7	28671	28683	DEYTPPKAELDSK		Mascot
1626.7209	1626.7129	-0.008	-5	4784	4798	ASNSVG TATCCTELR	Carbamidomethyl (C)[10,11]	Mascot
1629.7809	1629.7004	-0.0805	-49	17093	17104	TEVWLQWNWPDR		Mascot
1629.9421	1629.7004	-0.2417	-148	3489	3503	TILKVELSQLSAAEK		Mascot
1682.7472	1682.7738	0.0266	16	6002	6016	NEAGSESCSMDLRVK	Carbamidomethyl (C)[8]	Mascot
1682.7472	1682.7738	0.0266	16	6002	6016	NEAGSESCSMDLRVK	Carbamidomethyl (C)[8]	Mascot
1698.7421	1698.765	0.0229	13	6002	6016	NEAGSESCSMDLRVK	Carbamidomethyl (C)[8], Oxidation (M)[10]	Mascot
1714.7965	1714.7611	-0.0354	-21	21943	21956	TGCEYQFRIAENR	Carbamidomethyl (C)[3]	Mascot
1797.8774	1797.9053	0.0279	16	1083	1097	SYRILEGMGVTFHCK	Carbamidomethyl (C)[14]	Mascot
1797.9713	1797.9053	-0.066	-37	16896	16912	ELKAMAGTHINIMAGIK	1 0	Mascot
1819.8684	1819.8815	0.0131	7	1661	1675	LHYDGIHYLEITDCK		Mascot
1842.8293	1842.7349	-0.0944	-51	11826	11840	FETEISEEDVHGHWK		Mascot
1909.9728	1909.9938	0.021	11	12198	12213	LICEVSKPSAEVTWYK	Carbamidomethyl (C)[3]	Mascot
1970.877	1970.8958	0.0188	10	16626	16641	DLWMPVTESCTRTSCK	Carbamidomethyl (C)[10,15]	Mascot
2099.0227	2098.9607	-0.062	-30	13143	13161	WTFGENALTAGDRVSMV TK	Oxidation (M)[16]	Mascot
2108.1069	2107.9185	-0.1884	-89	12946	12963	DRTSVVWAPVMVTKPHE R		Mascot
2124.1018	2123.9202	-0.1816	-85	12946	12963	DRTSVVWAPVMVTKPHE R	Oxidation (M)[11]	Mascot
2140.989	2141.0518	0.0628	29	12057	12075	LVIHDCTLDDSKTYTCDA K		Mascot
2166.0825	2165.895	-0.1875	-87	23685	23703	GRPIPEINWTKDDGLPD K		Mascot
2189.0066	2188.9788	-0.0278	-13	30534	30553	CENIGGESDWSEISEPVI PK		Mascot
2190.0093	2189.9678	-0.0415	-19	1962	1979	DTMVT FECETNEPFVKVK	Carbamidomethyl (C)[8], Oxidation (M)[3]	Mascot
2190.0093	2189.9678	-0.0415	-19	1962	1979	DTMVT FECETNEPFVKVK	Carbamidomethyl (C)[8], Oxidation (M)[3]	Mascot
2194.0583	2194.0261	-0.0322	-15	23824	23843	VMAENEF GIGLPVETEE VK	Oxidation (M)[2]	Mascot
2211.021	2211.0452	0.0242	11	18006	18024	MVWSTYSASLVN YCNV TR	Oxidation (M)[1]	Mascot
2215.1111	2215.0227	-0.0884	-40	31410	31428	LN VAPHAVAEDTMRPMF KR	Oxidation (M)[13,16]	Mascot
2221.0742	2221.0967	0.0225	10	8387	8403	ELFLKQCMFFEVL MEEK	Carbamidomethyl (C)[7]	Mascot
2225.0479	2225.0618	0.0139	6	18756	18774	HPFDPPSEPLNCCVNKV SK	Carbamidomethyl (C)[12,13]	Mascot
2229.1736	2229.0354	-0.1382	-62	18429	18447	ITNLTPGIEYYFRVMAVN K		Mascot
2229.239	2229.0354	-0.2036	-91	588	606	VKVLLDWPAQSPDIHIER		Mascot
2232.9575	2233.0288	0.0713	32	1525	1542	MINEFGYCSLDYEVAYS R	Carbamidomethyl (C)[8], Oxidation (M)[1]	Mascot
2283.1284	2283.1169	-0.0115	-5	13772	13793	VRAVNVAGESEPS E PSD PVLCK		Mascot
2284.1389	2284.1128	-0.0261	-11	21385	21405	ACDTIFQPGPPGNPRVLD TTK	Carbamidomethyl (C)[2]	Mascot
2306.0732	2306.0447	-0.0285	-12	17825	17842	ETFFMVDKCVENHIYQFR		Mascot

2351.1006	2351.0234	-0.0772	-33	4822	4841	LECQVDEDTGVSIWMRD GK	Carbamidomethyl (C)[3]	Mascot
2357.0979	2357.124	0.0261	11	16046	16063	ECQYIVQRLTEGHEYEFR	Carbamidomethyl (C)[2]	Mascot
2367.0955	2367.0222	-0.0733	-31	4822	4841	LECQVDEDTGVSIWMRD GK	Carbamidomethyl (C)[3], Oxidation (M)[16]	Mascot
2370.124	2370.1721	0.0481	20	13774	13795	AVNVAGESEPSESPDPV LCKER	Carbamidomethyl (C)[19]	Mascot
2410.0762	2410.2312	0.155	64	12242	12262	MDDAGEYHCKLPTSQTT GNLR	Carbamidomethyl (C)[9], Oxidation (M)[1]	Mascot
2474.1028	2474.0852	-0.0176	-7	2045	2065	NLESVEVPETYSGEFECE LSR	Carbamidomethyl (C)[17]	Mascot
2683.2014	2683.2458	0.0444	17	14982	15005	LMMLNWSDDDDGGSD VTGFIIR		Mascot
2731.22	2731.2441	0.0241	9	5004	5027	GCTAHLECEMTGTAPFEI TWFKDK	Oxidation (M)[10]	Mascot
2731.22	2731.2441	0.0241	9	5004	5027	GCTAHLECEMTGTAPFEI TWFKDK	Oxidation (M)[10]	Mascot
2747.397	2747.2437	-0.1533	-56	8392	8414	QCMFFEVLMEKKPKPAI QEPPK		Mascot
2763.2195	2763.2476	0.0281	10	5801	5827	LDSSDSGNYTCAKNQA GSDQCSGTLK		Mascot

36 PREDICTED: p2Y purinoceptor 4-like [Danio rerio] gi|326669372 48084.4 9.33 9 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
891.4794	891.3801	-0.0993	-111	284	290	SPYVNRR					Mascot
1118.5486	1118.6045	0.0559	50	144	152	YLGICHPMK			Carbamidomethyl (C)[5]		Mascot
1118.5486	1118.6045	0.0559	50	144	152	YLGICHPMK			Carbamidomethyl (C)[5]		Mascot
1123.5895	1123.5106	-0.0789	-70	183	191	FAQTQYLPR					Mascot
1698.7947	1698.765	-0.0297	-17	327	340	VQCHTMRMVSICYK					Mascot
1714.7896	1714.7611	-0.0285	-17	327	340	VQCHTMRMVSICYK			Oxidation (M)[6]		Mascot
2124.0754	2123.9202	-0.1552	-73	6	24	SLRTMTTSWIETVTGVDA R					Mascot
2166.1602	2165.895	-0.2652	-122	164	182	GTCVLVWIAVFALTCPIFR			Carbamidomethyl (C)[3]		Mascot
2284.1226	2284.1128	-0.0098	-4	364	383	NGPCCQKPEHAQHGLL WPLR					Mascot
2410.3354	2410.2312	-0.1042	-43	296	315	TIITITLLFALCFFPFHVTR			Carbamidomethyl (C)[12]		Mascot
2747.3513	2747.2437	-0.1076	-39	123	143	FLFYFNLYCSIFFLTCISV HR			Carbamidomethyl (C)[9,16]		Mascot

37 PREDICTED: NACHT, LRR and PYD domains-containing protein 12, partial [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
891.4604	891.3801	-0.0803	-90	278	284	EMNLKEK					Mascot
907.4553	907.4323	-0.023	-25	278	284	EMNLKEK			Oxidation (M)[2]		Mascot

1045.5272	1045.5388	0.0116	11	634	642	GLLTQQDDR		Mascot
1157.5367	1157.6738	0.1371	118	862	871	LNLDHGGEMR	Oxidation (M)[9]	Mascot
1343.6082	1343.5637	-0.0445	-33	1	11	FSCSMAEERVK	Carbamidomethyl (C)[3]	Mascot
1343.6082	1343.5637	-0.0445	-33	1	11	FSCSMAEERVK	Carbamidomethyl (C)[3]	Mascot
1359.6031	1359.5563	-0.0468	-34	1	11	FSCSMAEERVK	Carbamidomethyl (C)[3], Oxidation (M)[5]	Mascot
1391.6736	1391.7058	0.0322	23	325	336	LPLNFAGNETCR	Carbamidomethyl (C)[11]	Mascot
1629.8231	1629.7004	-0.1227	-75	605	618	ALESENGHLDLYLR		Mascot
1629.8231	1629.7004	-0.1227	-75	605	618	ALESENGHLDLYLR		Mascot
2141.0947	2141.0518	-0.0429	-20	666	683	SINLFYCLNELNDQTLLK		Mascot
2190.1917	2189.9678	-0.2239	-102	69	87	THKSFTGNLLIFQNLESK		Mascot
2190.1917	2189.9678	-0.2239	-102	69	87	THKSFTGNLLIFQNLESK		Mascot
2215.124	2215.0227	-0.1013	-46	832	851	ELDLSYNHPGDSGVKLLT EK		Mascot
2220.9517	2221.0967	0.145	65	905	921	CVWENQSYDPDPRFD R	Carbamidomethyl (C)[1]	Mascot
2306.0466	2306.0447	-0.0019	-1	18	38	HSERSGPCVSSSVSLNS DWSK	Carbamidomethyl (C)[8]	Mascot
2370.1265	2370.1721	0.0456	19	464	481	CLTQMYTHFLRCIQQS R	Carbamidomethyl (C)[1,12]	Mascot
2683.3284	2683.2458	-0.0826	-31	139	161	QDQAAETLEDELFFINQL KCSLK		Mascot

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1157.6385	1157.6738	0.0353	30	117	126	QGSQVRLDVR		Mascot
1165.6211	1165.7151	0.094	81	28447	28457	VSAENKFGVSK		Mascot
1183.5962	1183.5306	-0.0656	-55	6129	6137	MVEFKCVVR	Carbamidomethyl (C)[6], Oxidation (M)[1]	Mascot
1194.5923	1194.553	-0.0393	-33	10919	10928	TLEEEMSVIK	Oxidation (M)[6]	Mascot
1199.5613	1199.5233	-0.038	-32	1797	1806	DESYEGMLKK		Mascot
1221.5304	1221.5453	0.0149	12	10260	10269	DKDEDPEMVK	Oxidation (M)[8]	Mascot
1221.6409	1221.5453	-0.0956	-78	4906	4915	ILWKQGMSSR	Oxidation (M)[7]	Mascot
1242.5419	1242.5757	0.0338	27	5340	5350	YTCQVSNDAGK	Carbamidomethyl (C)[3]	Mascot
1258.595	1258.5682	-0.0268	-21	2987	2998	SDAGEYTFIAGK		Mascot
1325.6888	1325.6576	-0.0312	-24	30094	30103	EILGYWIEFR		Mascot
1343.6698	1343.5637	-0.1061	-79	5309	5320	EMLTGGTCFIKK	Oxidation (M)[2]	Mascot
1343.6698	1343.5637	-0.1061	-79	5309	5320	EMLTGGTCFIKK	Oxidation (M)[2]	Mascot
1359.6328	1359.5563	-0.0765	-56	31229	31239	NTEVTWYFGSR		Mascot
1367.6406	1367.5828	-0.0578	-42	6380	6392	AGSCECSGTLRVK	Carbamidomethyl (C)[4]	Mascot
1375.5769	1375.5514	-0.0255	-19	31219	31228	FVCCIENYDR	Carbamidomethyl (C)[3,4]	Mascot
1391.6914	1391.7058	0.0144	10	2956	2967	NGVEIQFSVDQR		Mascot
1492.7061	1492.7264	0.0203	14	6635	6649	ATNNVGS DLCQGSVK		Mascot
1492.7166	1492.7264	0.0098	7	28671	28683	DEYTPKAELDSK		Mascot
1626.7209	1626.7129	-0.008	-5	4784	4798	ASNSVGTATCCTELR	Carbamidomethyl (C)[10,11]	Mascot
1629.7809	1629.7004	-0.0805	-49	17093	17104	TEVWLQWNWPDR		Mascot
1629.9421	1629.7004	-0.2417	-148	3489	3503	TILKVELSQLSAAEK		Mascot
1682.7472	1682.7738	0.0266	16	6002	6016	NEAGSESCSMDLRVK	Carbamidomethyl (C)[8]	Mascot
1682.7472	1682.7738	0.0266	16	6002	6016	NEAGSESCSMDLRVK	Carbamidomethyl (C)[8]	Mascot
1698.7421	1698.765	0.0229	13	6002	6016	NEAGSESCSMDLRVK	Carbamidomethyl (C)[8], Oxidation (M)[10]	Mascot
1714.7965	1714.7611	-0.0354	-21	21943	21956	TGCEYQFRIAENR	Carbamidomethyl (C)[3]	Mascot
1797.8774	1797.9053	0.0279	16	1083	1097	SYRILEGMGVTFHCK	Carbamidomethyl (C)[14]	Mascot
1797.9713	1797.9053	-0.066	-37	16896	16912	ELKAMAGTHINIMAGIK	1 0	Mascot
1819.8684	1819.8815	0.0131	7	1661	1675	LHYDGIHYLEITDCK		Mascot
1842.8293	1842.7349	-0.0944	-51	11826	11840	FETEISEEDVHGHWK		Mascot
1909.9728	1909.9938	0.021	11	12198	12213	LICEVSKPSAEVTWYK	Carbamidomethyl (C)[3]	Mascot
1970.877	1970.8958	0.0188	10	16626	16641	DLWMPVTESCTRTSCK	Carbamidomethyl (C)[10,15]	Mascot
2099.0227	2098.9607	-0.062	-30	13143	13161	WTFGENALTAGDRVSMV TK	Oxidation (M)[16]	Mascot
2108.1069	2107.9185	-0.1884	-89	12946	12963	DRTSVVWAPVMVTKPHE R		Mascot
2124.1018	2123.9202	-0.1816	-85	12946	12963	DRTSVVWAPVMVTKPHE R	Oxidation (M)[11]	Mascot
2140.989	2141.0518	0.0628	29	12057	12075	LVIHDCTLDDSKTYTCDA K		Mascot
2166.0825	2165.895	-0.1875	-87	23685	23703	GRPIPEINWTKDDGDLPD		Mascot

2189.0066	2188.9788	-0.0278	-13	30534	30553	K CENIGGESDWSEISEPVI PK						Mascot
2190.0093	2189.9678	-0.0415	-19	1962	1979	DTMVT FECETNEPFVKVK	Carbamidomethyl (C)[8], Oxidation (M)[3]					Mascot
2190.0093	2189.9678	-0.0415	-19	1962	1979	DTMVT FECETNEPFVKVK	Carbamidomethyl (C)[8], Oxidation (M)[3]					Mascot
2194.0583	2194.0261	-0.0322	-15	23824	23843	VMAENEF GIGLPVETEE VK	Oxidation (M)[2]					Mascot
2211.021	2211.0452	0.0242	11	18006	18024	MVWSTYSASLVNYCNV TR	Oxidation (M)[1]					Mascot
2215.1111	2215.0227	-0.0884	-40	31410	31428	LNVAPHAVAEDTMRPMF KR	Oxidation (M)[13, 16]					Mascot
2221.1248	2221.0967	-0.0281	-13	29857	29876	VIGRPDPPEGP LEFDDIQ AR						Mascot
2225.0479	2225.0618	0.0139	6	18756	18774	HPFDPPSEPLNCCVNKV SK	Carbamidomethyl (C)[12, 13]					Mascot
2229.1736	2229.0354	-0.1382	-62	18429	18447	ITNLTPGIEYYFRVMAVN K						Mascot
2229.1736	2229.0354	-0.1382	-62	18429	18447	ITNLTPGIEYYFRVMAVN K						Mascot
2232.9575	2233.0288	0.0713	32	1525	1542	MINEFGYCSLDYEVAYS R	Carbamidomethyl (C)[8], Oxidation (M)[1]					Mascot
2283.1284	2283.1169	-0.0115	-5	13772	13793	VRAVNVAGESEPS PVLCK						Mascot
2284.1389	2284.1128	-0.0261	-11	21385	21405	ACDTIFQPGPPGNPRVLD TTK	Carbamidomethyl (C)[2]					Mascot
2306.0732	2306.0447	-0.0285	-12	17825	17842	ETFFMVDKCVENHIYQFR						Mascot
2351.1006	2351.0234	-0.0772	-33	4822	4841	LECQVDEDTGVSIIW MRD GK	Carbamidomethyl (C)[3]					Mascot
2357.0979	2357.124	0.0261	11	16046	16063	ECQYIVQRLTEGHEYE FR	Carbamidomethyl (C)[2]					Mascot
2367.0955	2367.0222	-0.0733	-31	4822	4841	LECQVDEDTGVSIIW MRD GK	Carbamidomethyl (C)[3], Oxidation (M)[16]					Mascot
2370.124	2370.1721	0.0481	20	13774	13795	AVNVAGESEPS DPV LCKER	Carbamidomethyl (C)[19]					Mascot
2410.0762	2410.2312	0.155	64	12242	12262	MDDAGEYHCKLPTSQ TT GNLR	Carbamidomethyl (C)[9], Oxidation (M)[1]					Mascot
2474.1028	2474.0852	-0.0176	-7	2045	2065	NLESVEVPETYSGEFE CE LSR	Carbamidomethyl (C)[17]					Mascot
2683.2014	2683.2458	0.0444	17	14982	15005	LMMLNWSDPDDGGSD VTGFIER						Mascot
2731.22	2731.2441	0.0241	9	5004	5027	GCTAHLECEMTGTAPF EI TWFKDK	Oxidation (M)[10]					Mascot
2731.22	2731.2441	0.0241	9	5004	5027	GCTAHLECEMTGTAPF EI TWFKDK	Oxidation (M)[10]					Mascot
2747.4556	2747.2437	-0.2119	-77	32532	32556	TSFSFVGQVFQAIYTK VT AFVAAHK						Mascot
2763.2195	2763.2476	0.0281	10	5801	5827	LDSSDSGNYTCIAKNQ A GSDQCSTLK						Mascot

39 novel protein similar to human titin (TTN) [Danio rerio] gi|29561775 2113153 6.46 60 30 0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result	Type
809.3675	809.3594	-0.0081	-10	18767	18773	AEAFEDK					Mascot
842.5094	842.4899	-0.0195	-23	1522	1529	LSIPGVTR					Mascot

882.4315	882.5447	0.1132	128	12144	12151	DGSSFTLR		Mascot
891.4166	891.3801	-0.0365	-41	12482	12490	ESVASDAGR		Mascot
907.4705	907.4323	-0.0382	-42	13743	13749	NSLLWMK	Oxidation (M)[6]	Mascot
908.4294	908.4072	-0.0222	-24	5843	5850	NSCTLGWK		Mascot
965.4509	965.4443	-0.0066	-7	5843	5850	NSCTLGWK	Carbamidomethyl (C)[3]	Mascot
996.5373	996.5723	0.035	35	670	676	QYQFRVR		Mascot
1042.5204	1042.557	0.0366	35	13471	13478	ELSEVYFR		Mascot
1045.6404	1045.5388	-0.1016	-97	2435	2444	GTKFVVPGLK		Mascot
1093.5095	1093.5359	0.0264	24	2124	2131	ETWKQCCK	Carbamidomethyl (C)[6]	Mascot
1118.5477	1118.6045	0.0568	51	2114	2123	LSWDTSGPQK		Mascot
1118.6205	1118.6045	-0.016	-14	10489	10497	EKNSILWTK		Mascot
1123.4871	1123.5106	0.0235	21	6467	6475	LAENVMDCR	Carbamidomethyl (C)[8], Oxidation (M)[6]	Mascot
1157.7252	1157.6738	-0.0514	-44	8636	8645	VQTLNLKITK		Mascot
1165.6211	1165.7151	0.094	81	14756	14766	VSAENKFGVSK		Mascot
1194.6035	1194.553	-0.0505	-42	4241	4251	DMKISGISTDK		Mascot
1199.6531	1199.5233	-0.1298	-108	1118	1127	TRTFTVYGVV		Mascot
1221.6626	1221.5453	-0.1173	-96	10810	10819	LLPGNEYIFR		Mascot
1221.6626	1221.5453	-0.1173	-96	8646	8655	LLPGNEYIFR		Mascot
1242.6113	1242.5757	-0.0356	-29	11495	11504	LTQGTEYQFR		Mascot
1258.6976	1258.5682	-0.1294	-103	16104	16114	GKPLPTCKWTK		Mascot
1325.6888	1325.6576	-0.0312	-24	16403	16412	EILGYWIEFR		Mascot
1343.6776	1343.5637	-0.1139	-85	1335	1347	YGCGRPVDLGP		Mascot
1343.6776	1343.5637	-0.1139	-85	1335	1347	YGCGRPVDLGP		Mascot
1359.6328	1359.5563	-0.0765	-56	17538	17548	NTEVTWYFGSR		Mascot
1367.6412	1367.5828	-0.0584	-43	4006	4015	LMENHEYLF	Oxidation (M)[2]	Mascot
1375.5769	1375.5514	-0.0255	-19	17528	17537	FVCCINENYDR	Carbamidomethyl (C)[3,4]	Mascot
1391.6624	1391.7058	0.0434	31	8975	8986	VLDTPDMPANFR	Oxidation (M)[7]	Mascot
1492.7166	1492.7264	0.0098	7	14980	14992	DEYTPPKAELDSK		Mascot
1492.827	1492.7264	-0.1006	-67	2373	2386	ARNLFTPPGPPTPK		Mascot
1626.7693	1626.7129	-0.0564	-35	7694	7708	ACDTIFQPGPPGNPR	Carbamidomethyl (C)[2]	Mascot
1629.7809	1629.7004	-0.0805	-49	3367	3378	TEVWLQWNWPDR		Mascot
1629.9104	1629.7004	-0.21	-129	2787	2800	LVVRVGETCIQSR	Carbamidomethyl (C)[9]	Mascot
1682.8265	1682.7738	-0.0527	-31	3222	3236	AEIETSGTTTKLEMR	Oxidation (M)[14]	Mascot
1682.8265	1682.7738	-0.0527	-31	3222	3236	AEIETSGTTTKLEMR	Oxidation (M)[14]	Mascot
1698.8367	1698.765	-0.0717	-42	8025	8039	ITGYIVEMQGNKSDK	Oxidation (M)[8]	Mascot
1714.7965	1714.7611	-0.0354	-21	8252	8265	TGCEYQFRIAENR	Carbamidomethyl (C)[3]	Mascot
1797.8734	1797.9053	0.0319	18	11627	11642	DPCAPPSQPRVMNTR	Oxidation (M)[12]	Mascot

1797.9713	1797.9053	-0.066	-37	3186	3202	ELKAMAGTHINIMAGIK	1	0	Mascot
1820.1255	1819.8815	-0.244	-134	12440	12456	IEIPLTGKPLPKVSLSK			Mascot
1842.9232	1842.7349	-0.1883	-102	2216	2231	APQDKPDDKVPVQYDK			Mascot
1970.877	1970.8958	0.0188	10	2916	2931	DLWMPVTESCTRTSCK		Carbamidomethyl (C)[10,15]	Mascot
2166.0825	2165.895	-0.1875	-87	9994	10012	GRPIPEINWTKDDGDLPD K			Mascot
2189.0066	2188.9788	-0.0278	-13	16843	16862	CENIGGESDWSEISEPVI PK			Mascot
2190.0205	2189.9678	-0.0527	-24	13462	13478	CQCEVTELKELSEVYFR		Carbamidomethyl (C)[1,3]	Mascot
2190.2029	2189.9678	-0.2351	-107	7426	7445	LDAHVTGRPIPSIVWTKD GK			Mascot
2194.0583	2194.0261	-0.0322	-15	10133	10152	VMAENEFGIGLPVETEES VK		Oxidation (M)[2]	Mascot
2211.021	2211.0452	0.0242	11	4280	4298	MVWSTYSASLVNYCNV TR		Oxidation (M)[1]	Mascot
2215.1111	2215.0227	-0.0884	-40	17719	17737	LNVAHAVAEDTMRPMF KR		Oxidation (M)[13,16]	Mascot
2221.1248	2221.0967	-0.0281	-13	16166	16185	VIGRPDPPEGPLEFDDIQ AR			Mascot
2225.0479	2225.0618	0.0139	6	5030	5048	HPFDPPEPLNCCVNKV SK		Carbamidomethyl (C)[12,13]	Mascot
2229.1736	2229.0354	-0.1382	-62	4703	4721	ITNLTPGIEYYFRVMAVN K			Mascot
2229.1736	2229.0354	-0.1382	-62	4703	4721	ITNLTPGIEYYFRVMAVN K			Mascot
2283.1284	2283.1169	-0.0115	-5	76	97	VRAVNVAGESEPSDPSD PVLCK			Mascot
2284.1389	2284.1128	-0.0261	-11	7694	7714	ACDTIFQPGPPGNPRVLD TTK		Carbamidomethyl (C)[2]	Mascot
2306.0732	2306.0447	-0.0285	-12	4099	4116	ETFFMVDKCVENHIYQFR			Mascot
2351.1272	2351.0234	-0.1038	-44	4279	4298	RMVWSTYSASLVNYCN VTR			Mascot
2357.0979	2357.124	0.0261	11	2336	2353	ECQYIVQRLTEGHEYEFR		Carbamidomethyl (C)[2]	Mascot
2367.1221	2367.0222	-0.0999	-42	4279	4298	RMVWSTYSASLVNYCN VTR		Oxidation (M)[2]	Mascot
2370.124	2370.1721	0.0481	20	78	99	AVNVAGESEPSDPSDV LCKER		Carbamidomethyl (C)[19]	Mascot
2474.1868	2474.0852	-0.1016	-41	5851	5873	KPISDGGSHVVAYALEIC EGEDK		Carbamidomethyl (C)[18]	Mascot
2683.2014	2683.2458	0.0444	17	1272	1295	LMMLNWSDPDDGGSD VTGFIIR			Mascot
2731.3396	2731.2441	-0.0955	-35	5851	5875	KPISDGGSHVVAYALEIC EGEDKWK			Mascot
2731.3396	2731.2441	-0.0955	-35	5851	5875	KPISDGGSHVVAYALEIC EGEDKWK			Mascot
2747.4556	2747.2437	-0.2119	-77	18841	18865	TSFSFVGQVFQAIYTKVT AFVAAHK			Mascot
2763.4238	2763.2476	-0.1762	-64	13324	13348	GKLTLSWEPPYIDGGSPI TNYVVEK			Mascot

40 Zgc:162551 [Danio rerio] gi|134024880 35020.5 8.35 9 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
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	891.3447	891.3801	0.0354	40	162	169	HTCNECGK							Mascot
	907.4666	907.4323	-0.0343	-38	186	193	SLDSKMAR							Mascot
	908.3964	908.4072	0.0108	12	194	200	KCPTCDK				Carbamidomethyl (C)[2,5]			Mascot
	996.4818	996.5723	0.0905	91	48	55	LCENGYIK				Carbamidomethyl (C)[2]			Mascot
	1157.5521	1157.6738	0.1217	105	264	273	AHMQTHSAFK							Mascot
	1629.7261	1629.7004	-0.0257	-16	240	254	SHTGEKPFACAHCGK				Carbamidomethyl (C)[10]			Mascot
	1629.7261	1629.7004	-0.0257	-16	240	254	SHTGEKPFACAHCGK				Carbamidomethyl (C)[10]			Mascot
	2189.9968	2189.9678	-0.029	-13	240	259	SHTGEKPFACAHCGKAF ADR				Carbamidomethyl (C)[10]			Mascot
	2189.9968	2189.9678	-0.029	-13	240	259	SHTGEKPFACAHCGKAF ADR				Carbamidomethyl (C)[10]			Mascot
	2232.8369	2233.0288	0.1919	86	293	312	HYESACFRGSGDEDESG SEN				Carbamidomethyl (C)[6]			Mascot
	2370.1528	2370.1721	0.0193	8	221	239	CHVCSKAFSRPWLLQGH MR				Carbamidomethyl (C)[1,4]			Mascot

41 mediator of RNA polymerase II transcription subunit 22 gi|50344944 16398.5 5.15 5 30 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
965.4244	965.4443	0.0199	21	107	114	TLQEECDK					Mascot
1093.5194	1093.5359	0.0165	15	107	115	TLQEECDKK					Mascot
1359.7413	1359.5563	-0.185	-136	65	77	AANIVRAGESLMK					Mascot
1375.7362	1375.5514	-0.1848	-134	65	77	AANIVRAGESLMK			Oxidation (M)[12]		Mascot
1698.7653	1698.765	-0.0003	0	51	64	ATQAEQDHFEMHVR					Mascot
1714.7603	1714.7611	0.0008	0	51	64	ATQAEQDHFEMHVR			Oxidation (M)[11]		Mascot
2731.5029	2731.2441	-0.2588	-95	78	101	LVSDLKQFLILNDFPSVN EASLR					Mascot
2731.5029	2731.2441	-0.2588	-95	78	101	LVSDLKQFLILNDFPSVN EASLR					Mascot

42 transitional endoplasmic reticulum ATPase-like [Danio rerio] gi|90093334 89437.9 5.44 11 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1183.6293	1183.5306	-0.0987	-83	505	514	FLKFGMTPSR					Mascot
1194.5975	1194.553	-0.0445	-37	515	526	GVLFYGPPEGCGK					Mascot
1199.6241	1199.5233	-0.1008	-84	505	514	FLKFGMTPSR			Oxidation (M)[6]		Mascot
1258.5883	1258.5682	-0.0201	-16	587	601	ARGGGAGDAGGAADR					Mascot
1492.7828	1492.7264	-0.0564	-38	98	111	LGDVSIHPCPDVK					Mascot

	1492.7828	1492.7264	-0.0564	-38	98	111	LGDISIHPCPDVK										Mascot
	1629.8054	1629.7004	-0.105	-64	756	768	KYEMFAQTLQQSR										Mascot
	1629.8054	1629.7004	-0.105	-64	756	768	KYEMFAQTLQQSR										Mascot
	1714.9884	1714.7611	-0.2273	-133	326	340	IVSLLTLMDGLKQR										Mascot
	1909.8484	1909.9938	0.1454	76	720	735	ETAMDDDDYPVPEIRK					Oxidation (M)[4]					Mascot
	1970.9615	1970.8958	-0.0657	-33	508	526	FGMTPSRGVLFGPPGC GK										Mascot
	2098.9895	2098.9607	-0.0288	-14	680	698	ITEGFSGADLTEICQRAC K					Carbamidomethyl (C)[14]					Mascot
	2108.0845	2107.9185	-0.166	-79	570	588	QAAPCILFFDELDSIAKAR										Mascot
	2190.0957	2189.9678	-0.1279	-58	28	47	LIVDEATNEDNSIVCLSQV K										Mascot
	2190.0957	2189.9678	-0.1279	-58	28	47	LIVDEATNEDNSIVCLSQV K										Mascot
43	tafazzin [Danio rerio]				gi 49227272		30524.4	8.94	7	30	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
996.4818	996.5723	0.0905	91	131	138	GMDFLER				Oxidation (M)[2]		Mascot
1343.6445	1343.5637	-0.0808	-60	153	163	VNMSGEFMRIK				Oxidation (M)[3,8]		Mascot
1343.6445	1343.5637	-0.0808	-60	153	163	VNMSGEFMRIK				Oxidation (M)[3,8]		Mascot
1367.6412	1367.5828	-0.0584	-43	95	106	WTPAASDICFTR						Mascot
1626.8097	1626.7129	-0.0968	-60	2	14	PLEVTWPFQCPQR				Carbamidomethyl (C)[11]		Mascot
1714.8646	1714.7611	-0.1035	-60	235	248	TVTDYIQDEFRLK						Mascot
2229.1096	2229.0354	-0.0742	-33	1	18	MPLEVTWPFQCPRLGW R				Oxidation (M)[1]		Mascot
2229.1096	2229.0354	-0.0742	-33	1	18	MPLEVTWPFQCPRLGW R				Oxidation (M)[1]		Mascot
2747.3181	2747.2437	-0.0744	-27	139	161	LNQGEWIHFPEGRVNMS GEFMR						Mascot
2763.313	2763.2476	-0.0654	-24	139	161	LNQGEWIHFPEGRVNMS GEFMR				Oxidation (M)[17]		Mascot

44	transferrin-a [Danio rerio]				gi 220672954		73234.7	6.61	7	30	0	18	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1221.5793	1221.5453	-0.034	-28	246	255	TCNFAREPAR				Carbamidomethyl (C)[2]		Mascot
1221.5793	1221.5453	-0.034	-28	246	255	TCNFAREPAR	18	0		Carbamidomethyl (C)[2]		Mascot
1359.6586	1359.5563	-0.1023	-75	442	454	SCHTGLGRSAGWK						Mascot
1492.8005	1492.7264	-0.0741	-50	651	663	TYKTSQNVPLVK						Mascot
1492.8005	1492.7264	-0.0741	-50	651	663	TYKTSQNVPLVK						Mascot

	1629.736	1629.7004	-0.0356	-22	227	239	QNYELLCMDGSRK				Carbamidomethyl (C)[7], Oxidation (M)[8]	Mascot	
	1629.736	1629.7004	-0.0356	-22	227	239	QNYELLCMDGSRK				Carbamidomethyl (C)[7], Oxidation (M)[8]	Mascot	
	2141.0002	2141.0518	0.0516	24	654	673	TSQNVPLVKACTFGNCI SS				Carbamidomethyl (C)[12]	Mascot	
	2357.1223	2357.124	0.0017	1	326	348	DGNPSAPTSQTKLAMCTI GHAEK					Mascot	
	2370.084	2370.1721	0.0881	37	551	570	DLKSEDFELICNPDPDTT MK				Carbamidomethyl (C)[11], Oxidation (M)[19]	Mascot	
45	TPA_exp: transferrin [Danio rerio]				gi 47264590		73483.9	6.81	7	29	0	18	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1221.5793	1221.5453	-0.034	-28	246	255	TCNFAREPAR				Carbamidomethyl (C)[2]		Mascot
	1221.5793	1221.5453	-0.034	-28	246	255	TCNFAREPAR	18	0		Carbamidomethyl (C)[2]		Mascot
	1359.6586	1359.5563	-0.1023	-75	442	454	SCHTGLGRSAGWK						Mascot
	1492.8005	1492.7264	-0.0741	-50	653	665	TYKTSQNVPLVK						Mascot
	1492.8005	1492.7264	-0.0741	-50	653	665	TYKTSQNVPLVK						Mascot
	1629.736	1629.7004	-0.0356	-22	227	239	QNYELLCMDGSRK				Carbamidomethyl (C)[7], Oxidation (M)[8]		Mascot
	1629.736	1629.7004	-0.0356	-22	227	239	QNYELLCMDGSRK				Carbamidomethyl (C)[7], Oxidation (M)[8]		Mascot
	2141.0002	2141.0518	0.0516	24	656	675	TSQNVPLVKACTFGNCI SS				Carbamidomethyl (C)[12]		Mascot
	2357.1223	2357.124	0.0017	1	326	348	DGNPSAPTSQTKLAMCTI GHAEK						Mascot
	2370.084	2370.1721	0.0881	37	553	572	DLKSEDFELICNPDPDTT MK				Carbamidomethyl (C)[11], Oxidation (M)[19]		Mascot

46	serotransferrin [Danio rerio]				gi 62632717		56808.3	5.58	6	29	0	18	0
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1221.5793	1221.5453	-0.034	-28	93	102	TCNFAREPAR				Carbamidomethyl (C)[2]		Mascot
	1221.5793	1221.5453	-0.034	-28	93	102	TCNFAREPAR	18	0		Carbamidomethyl (C)[2]		Mascot
	1359.6586	1359.5563	-0.1023	-75	289	301	SCHTGLGRSAGWK						Mascot
	1492.8005	1492.7264	-0.0741	-50	498	510	TYKTSQNVPLVK						Mascot
	1492.8005	1492.7264	-0.0741	-50	498	510	TYKTSQNVPLVK						Mascot
	1629.736	1629.7004	-0.0356	-22	74	86	QNYELLCMDGSRK				Carbamidomethyl (C)[7], Oxidation (M)[8]		Mascot
	1629.736	1629.7004	-0.0356	-22	74	86	QNYELLCMDGSRK				Carbamidomethyl (C)[7], Oxidation (M)[8]		Mascot
	2357.1223	2357.124	0.0017	1	173	195	DGNPSAPTSQTKLAMCTI GHAEK						Mascot
	2370.084	2370.1721	0.0881	37	398	417	DLKSEDFELICNPDPDTT MK				Carbamidomethyl (C)[11], Oxidation (M)[19]		Mascot

47	DCN1-like protein 3 [Danio rerio]				gi 156739269		33276.1	4.93	5	29	0	13	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1118.6051	1118.6045	-0.0006	-1	43	53	SSAEVIINGTK					Mascot
1118.6051	1118.6045	-0.0006	-1	43	53	SSAEVIINGTK	13	0			Mascot
2166.0317	2165.895	-0.1367	-63	144	163	EFVDGCKAIQADSIPGICS R			Carbamidomethyl (C)[6]		Mascot
2367.1875	2367.0222	-0.1653	-70	112	131	FCNDLCVDPAEFKVLVLA WK			Carbamidomethyl (C)[2]		Mascot
2410.3857	2410.2312	-0.1545	-64	201	221	SIAIALWRLVFTLDTTPVL ER					Mascot
2474.0671	2474.0852	0.0181	7	92	111	MFLCYKDEHEDSILEEGM ER					Mascot
48	chloride intracellular channel protein 4 [Danio rerio]			gi 41393129	28352.6	5.71	6	29	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1042.5891	1042.557	-0.0321	-31	2	11	SLSVPQNGLK					Mascot
1221.6361	1221.5453	-0.0908	-74	238	248	EIEIAYADVAK					Mascot
1221.6361	1221.5453	-0.0908	-74	238	248	EIEIAYADVAK					Mascot
1343.6549	1343.5637	-0.0912	-68	130	141	NSKPDANEALER					Mascot
1343.6549	1343.5637	-0.0912	-68	130	141	NSKPDANEALER					Mascot
1359.7155	1359.5563	-0.1592	-117	12	23	GDNEPVIELFVK					Mascot
2211.0903	2211.0452	-0.0451	-20	110	129	HPESNTAGMDIFAKFSAF IK					Mascot
2747.4626	2747.2437	-0.2189	-80	60	84	RKPADLQNLAPGTHPPFI TFNGEVK					Mascot

49 novel protein similar to vertebrate SLC3A1 solute carrier family 3 (cystine, dibasic and neutral am gi|220679491 74156.2 5.06 8 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1093.6404	1093.5359	-0.1045	-96	549	558	GFLVVLNFGK					Mascot
1118.5072	1118.6045	0.0973	87	86	96	DSNADGVGDLR					Mascot
1118.5072	1118.6045	0.0973	87	86	96	DSNADGVGDLR	8	0			Mascot
1123.5677	1123.5106	-0.0571	-51	267	275	HMLEATHLR			Oxidation (M)[2]		Mascot
1194.5935	1194.553	-0.0405	-34	256	266	GVDGFRMDAVK					Mascot
1367.6412	1367.5828	-0.0584	-43	343	353	TMRYYGTTYAK					Mascot
2225.2151	2225.0618	-0.1533	-69	238	255	NPLVLQEMTDIIHFWLKK					Mascot
2357.113	2357.124	0.011	5	220	237	QQCYFHQLKEQPDNLNY					Mascot

	2370.1533	2370.1721	0.0188	8	3	23	R VSSLPEESEYTQIKPYAG MPK				Oxidation (M)[19]		Mascot
50	PREDICTED: hypothetical protein LOC100535483 [Danio rerio]					gi 326664199	24331.5	8.85	1		18	0	
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification	Rank	Result Type
	1118.635	1118.6045	-0.0305	-27	134	143	GLKMSNVTLR		18	0		3	Mascot
Gel Idx/Pos		184/H11				Instr./Gel Origin		BA2060/110707A			Process Status		Analysis Succeeded
Plate [#] Name		[1] 31496				Instrument Sample Name					Spectra		11
Rank	Protein Name					Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial precursor [Danio rerio]					gi 41053873	72014.6	6.2	20	1,190	100	1070	100
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification	Rank	Result Type
	1045.6616	1045.5433	-0.1183	-113	10	19	VLGTKILSSK						Mascot
	1095.5259	1095.5037	-0.0222	-20	118	125	WHFYDTVK						Mascot
	1108.5746	1108.5502	-0.0244	-22	248	258	NTVIATGGYGR						Mascot
	1108.5746	1108.5502	-0.0244	-22	248	258	NTVIATGGYGR		82	100			Mascot
	1127.5745	1127.5524	-0.0221	-20	613	620	KPFEQHWR		51	99.81			Mascot
	1127.5745	1127.5524	-0.0221	-20	613	620	KPFEQHWR						Mascot
	1330.6597	1330.6335	-0.0262	-20	310	322	GEGGILINSEGER						Mascot
	1354.6709	1354.6934	0.0225	17	498	509	YANGSTRTSEIR						Mascot
	1354.7227	1354.6934	-0.0293	-22	193	204	TGHSLLHTLYGR		73	99.999			Mascot
	1473.8424	1473.8102	-0.0322	-22	449	462	LGANSLDLVVFGR						Mascot
	1473.8424	1473.8102	-0.0322	-22	449	462	LGANSLDLVVFGR		132	100			Mascot
	1557.7512	1557.7168	-0.0344	-22	230	243	GVIALCMEDGSIHR				Carbamidomethyl (C)[6]		Mascot
	1573.7461	1573.7124	-0.0337	-21	230	243	GVIALCMEDGSIHR				Carbamidomethyl (C)[6], Oxidation (M)[7]		Mascot
	1743.837	1743.7939	-0.0431	-25	73	89	AAFGLSEAGFNTACVTK				Carbamidomethyl (C)[14]		Mascot
	1768.8752	1768.832	-0.0432	-24	598	612	VDEYDYSKPLQGQVK						Mascot
	2040.0033	2039.9558	-0.0475	-23	596	612	DRVDEYDYSKPLQGQVK						Mascot
	2110.1416	2110.0537	-0.0879	-42	359	376	DHVHLQLHHLPPQQLAA R						Mascot
	2247.9758	2247.9194	-0.0564	-25	259	279	TFFSCTSAHTSTGDGNA				Carbamidomethyl (C)[5]		Mascot

2263.9707	2263.9163	-0.0544	-24	259	279	MVTR TFFSCTSAHTSTGDGNA MVTR				Carbamidomethyl (C)[5], Oxidation (M)[18]	Mascot
2663.4277	2663.3643	-0.0634	-24	353	376	GVGPDKDHVHLQLHHLP PQQLAAR					Mascot
2663.4277	2663.3643	-0.0634	-24	353	376	GVGPDKDHVHLQLHHLP PQQLAAR	152	100			Mascot
2697.1892	2697.1252	-0.064	-24	423	448	DGQDHVVPGLYACGEAG CASVHGANR				Carbamidomethyl (C)[13,18]	Mascot
2697.1892	2697.1252	-0.064	-24	423	448	DGQDHVVPGLYACGEAG CASVHGANR	143	100		Carbamidomethyl (C)[13,18]	Mascot
2871.4556	2871.394	-0.0616	-21	634	659	VTLEYRPVIDSSSLDAEDC AAIPPAIR	73	99.999		Carbamidomethyl (C)[18]	Mascot
2871.4556	2871.394	-0.0616	-21	634	659	VTLEYRPVIDSSSLDAEDC AAIPPAIR				Carbamidomethyl (C)[18]	Mascot
2928.4485	2928.3816	-0.0669	-23	44	72	ISDGVSNQYPVDHEFD AVVVGAGGAGLR	215	100			Mascot
2928.4485	2928.3816	-0.0669	-23	44	72	ISDGVSNQYPVDHEFD AVVVGAGGAGLR					Mascot
3337.5325	3337.6738	0.1413	42	248	279	NTVIATGGYGR TFFSCTSAHTSTGDGNAMVTR				Carbamidomethyl (C)[16]	Mascot
3366.5703	3366.4951	-0.0752	-22	280	309	AGLPCQDLEFVQFHPTGI YGAGCLITEGCR				Carbamidomethyl (C)[5,23,29]	Mascot
3366.5703	3366.4951	-0.0752	-22	280	309	AGLPCQDLEFVQFHPTGI YGAGCLITEGCR	150	100		Carbamidomethyl (C)[5,23,29]	Mascot

2 RecName: Full=Succinate dehydrogenase [ubiquinone] gi|205831554 72031.6 6.14 20 1,190 100 1070 100
flavoprotein subunit, mitochondrial; AltName: Fu

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1095.5259	1095.5037	-0.0222	-20	118	125	WHFYDTVK					Mascot
1108.5746	1108.5502	-0.0244	-22	248	258	NTVIATGGYGR					Mascot
1108.5746	1108.5502	-0.0244	-22	248	258	NTVIATGGYGR	82	100			Mascot
1118.6602	1118.634	-0.0262	-23	10	19	VLGTKILSCK			Carbamidomethyl (C)[9]		Mascot
1127.5745	1127.5524	-0.0221	-20	613	620	KPFEQHWR	51	99.81			Mascot
1127.5745	1127.5524	-0.0221	-20	613	620	KPFEQHWR					Mascot
1330.6597	1330.6335	-0.0262	-20	310	322	GEGGILINSEGER					Mascot
1354.6709	1354.6934	0.0225	17	498	509	YANGSTRTSEIR					Mascot
1354.7227	1354.6934	-0.0293	-22	193	204	TGHSLHTLYGR	73	99.999			Mascot
1473.8424	1473.8102	-0.0322	-22	449	462	LGANSLDLVVFR					Mascot
1473.8424	1473.8102	-0.0322	-22	449	462	LGANSLDLVVFR	132	100			Mascot
1557.7512	1557.7168	-0.0344	-22	230	243	GVIALCMEDGSIHR			Carbamidomethyl (C)[6]		Mascot
1573.7461	1573.7124	-0.0337	-21	230	243	GVIALCMEDGSIHR			Carbamidomethyl (C)[6], Oxidation (M)[7]		Mascot
1743.837	1743.7939	-0.0431	-25	73	89	AAFGLSEAGFNTACVTK			Carbamidomethyl (C)[14]		Mascot
1768.8752	1768.832	-0.0432	-24	598	612	VDEYDYSKPLQGQVK					Mascot
2040.0033	2039.9558	-0.0475	-23	596	612	DRVDEYDYSKPLQGQVK					Mascot

	2110.1416	2110.0537	-0.0879	-42	359	376	DHVHLQLHHLPPQQLAAR												Mascot
	2247.9758	2247.9194	-0.0564	-25	259	279	TFFSCTSAHTSTGDGNA MVTR											Carbamidomethyl (C)[5]	Mascot
	2263.9707	2263.9163	-0.0544	-24	259	279	TFFSCTSAHTSTGDGNA MVTR											Carbamidomethyl (C)[5], Oxidation (M)[18]	Mascot
	2663.4277	2663.3643	-0.0634	-24	353	376	GVGPDKDHVHLQLHHLPPQLAAR												Mascot
	2663.4277	2663.3643	-0.0634	-24	353	376	GVGPDKDHVHLQLHHLPPQLAAR	152		100									Mascot
	2697.1892	2697.1252	-0.064	-24	423	448	DGQDHHVVPGLYACGEAG CASVHGANR											Carbamidomethyl (C)[13,18]	Mascot
	2697.1892	2697.1252	-0.064	-24	423	448	DGQDHHVVPGLYACGEAG CASVHGANR	143		100								Carbamidomethyl (C)[13,18]	Mascot
	2871.4556	2871.394	-0.0616	-21	634	659	VTLEYRPVIDSSSLDAEDCAAIPPAIR	73		99.999								Carbamidomethyl (C)[18]	Mascot
	2871.4556	2871.394	-0.0616	-21	634	659	VTLEYRPVIDSSSLDAEDCAAIPPAIR											Carbamidomethyl (C)[18]	Mascot
	2928.4485	2928.3816	-0.0669	-23	44	72	ISDGVSNQYPVVDHEFD AVVVGAGGAGLR	215		100									Mascot
	2928.4485	2928.3816	-0.0669	-23	44	72	ISDGVSNQYPVVDHEFD AVVVGAGGAGLR												Mascot
	3337.5325	3337.6738	0.1413	42	248	279	NTVIATGGYGRTFFSCTSAHTSTGDGNAMVTR											Carbamidomethyl (C)[16]	Mascot
	3366.5703	3366.4951	-0.0752	-22	280	309	AGLPCQDLEFVQFHPTGI YGAGCLITEGCR											Carbamidomethyl (C)[5,23,29]	Mascot
	3366.5703	3366.4951	-0.0752	-22	280	309	AGLPCQDLEFVQFHPTGI YGAGCLITEGCR	150		100								Carbamidomethyl (C)[5,23,29]	Mascot
3	succinate dehydrogenase complex, subunit A, flavoprotein (Fp) [Danio rerio]					gi 37362284		72611.9	6.1	15	906	100	838	100					

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1095.5259	1095.5037	-0.0222	-20	118	125	WHFYDTVK							Mascot
1118.6602	1118.634	-0.0262	-23	10	19	VLGTKILSCK				Carbamidomethyl (C)[9]			Mascot
1127.5745	1127.5524	-0.0221	-20	615	622	KPFEQHWR	51		99.81				Mascot
1127.5745	1127.5524	-0.0221	-20	615	622	KPFEQHWR							Mascot
1330.6597	1330.6335	-0.0262	-20	312	324	GEGGILINSEGER							Mascot
1354.6709	1354.6934	0.0225	17	500	511	YANGSTRTSEIR							Mascot
1354.7227	1354.6934	-0.0293	-22	193	204	TGHSLLHTLYGR	73		99.999				Mascot
1473.8424	1473.8102	-0.0322	-22	451	464	LGANSLLDLVVFGR							Mascot
1473.8424	1473.8102	-0.0322	-22	451	464	LGANSLLDLVVFGR	132		100				Mascot
1743.837	1743.7939	-0.0431	-25	73	89	AAFGLSEAGFNTACVTK				Carbamidomethyl (C)[14]			Mascot
1768.8752	1768.832	-0.0432	-24	600	614	VDEYDYSKPLQGQVK							Mascot
2040.0033	2039.9558	-0.0475	-23	598	614	DRVDEYDYSKPLQGQVK							Mascot
2110.1416	2110.0537	-0.0879	-42	361	378	DHVHLQLHHLPPQQLAAR							Mascot
2663.4277	2663.3643	-0.0634	-24	355	378	GVGPDKDHVHLQLHHLPPQQLAAR							Mascot

	2663.4277	2663.3643	-0.0634	-24	355	378	GVGPDKDHVHLQLHHLPPQQLAAR	152	100		Mascot
	2697.1892	2697.1252	-0.064	-24	425	450	DGQDHHVVPGLYACGEAGCASVHGANR			Carbamidomethyl (C)[13,18]	Mascot
	2697.1892	2697.1252	-0.064	-24	425	450	DGQDHHVVPGLYACGEAGCASVHGANR	143	100	Carbamidomethyl (C)[13,18]	Mascot
	2871.4556	2871.394	-0.0616	-21	636	661	VTLEYRPPVIDSSSLDAEDCAAIPPAIR	73	99.999	Carbamidomethyl (C)[18]	Mascot
	2871.4556	2871.394	-0.0616	-21	636	661	VTLEYRPPVIDSSSLDAEDCAAIPPAIR			Carbamidomethyl (C)[18]	Mascot
	2928.4485	2928.3816	-0.0669	-23	44	72	ISDGVSNQYPVVDHEFDVVVGAGGAGLR	215	100		Mascot
	2928.4485	2928.3816	-0.0669	-23	44	72	ISDGVSNQYPVVDHEFDVVVGAGGAGLR				Mascot
4	Wu:fj82b07 protein [Danio rerio]				gi 58701969		62105.9	6.04	10	48	20.865

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
996.5876	996.5761	-0.0115	-12	528	535	LLGQFYKK						Mascot
1127.7035	1127.5524	-0.1511	-134	376	385	ALEVLQLTLK	11	0				Mascot
1127.7035	1127.5524	-0.1511	-134	376	385	ALEVLQLTLK						Mascot
1174.5851	1174.553	-0.0321	-27	224	232	EVWQEQTVR						Mascot
1330.6862	1330.6335	-0.0527	-40	224	233	EVWQEQTVR						Mascot
1720.8655	1720.9137	0.0482	28	112	125	ALAVRLCQVLMDCR				Carbamidomethyl (C)[7,13], Oxidation (M)[11]		Mascot
2022.0742	2021.9862	-0.088	-44	334	349	LLLFHVLEKHYGHMER						Mascot
2211.1326	2211.053	-0.0796	-36	203	223	LDLTGLVGSSPDECLPPSVVR				Carbamidomethyl (C)[14]		Mascot
2680.3213	2680.2212	-0.1001	-37	252	275	IVSPPSRGSNNEPDLLYTSSYLDR						Mascot
2697.2283	2697.1252	-0.1031	-38	80	102	THENCFLGCEAVDVLQDYLTQNK				Carbamidomethyl (C)[5]		Mascot
2697.2283	2697.1252	-0.1031	-38	80	102	THENCFLGCEAVDVLQDYLTQNK				Carbamidomethyl (C)[5]		Mascot
3366.6997	3366.4951	-0.2046	-61	203	232	LDLTGLVGSSPDECLPPSVVREVWQEQTVR				Carbamidomethyl (C)[14]		Mascot
3366.6997	3366.4951	-0.2046	-61	203	232	LDLTGLVGSSPDECLPPSVVREVWQEQTVR				Carbamidomethyl (C)[14]		Mascot

5 zinc finger protein 432-like [Danio rerio] gi|71834484 50250.7 8.61 14 46 0 6 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
987.4676	987.6115	0.1439	146	314	321	ENLTSHMR						Mascot
1095.5112	1095.5037	-0.0075	-7	231	238	DHLDRHMR				Oxidation (M)[7]		Mascot
1564.7537	1564.8866	0.1329	85	309	321	SFSQKENLTSHMR						Mascot
1638.725	1638.6833	-0.0417	-25	294	308	VHTGEKPYSCTECGK						Mascot

	1720.829	1720.9137	0.0847	49	422	436	DLDVKFPQPTHEASH										Mascot
	1768.7563	1768.832	0.0757	43	378	392	THTGERPYTCMQCGK						Carbamidomethyl (C)[10]				Mascot
	2086.9104	2086.842	-0.0684	-33	95	113	VHMGHTGENLSTCDQC GK						Carbamidomethyl (C)[14]				Mascot
	2216.011	2215.9321	-0.0789	-36	294	313	VHTGEKPYSCTECGKSF SQK										Mascot
	2247.9844	2247.9194	-0.065	-29	124	141	HMKTHSGEKPFWCTECG R						Carbamidomethyl (C)[13,16]				Mascot
	2263.9792	2263.9163	-0.0629	-28	124	141	HMKTHSGEKPFWCTECG R						Carbamidomethyl (C)[13,16], Oxidation (M)[2]				Mascot
	2283.0393	2283.125	0.0857	38	403	421	HMKTHHTGTPKPFACDDV ER						Carbamidomethyl (C)[14], Oxidation (M)[2]				Mascot
	2384.1299	2383.8892	-0.2407	-101	406	426	THHTGTGKPFACDDVERD LDVK										Mascot
	2559.1748	2559.1748	0	0	91	113	QSLKVHMGHTGENLSTC DQCGK	6		0			Carbamidomethyl (C)[21], Oxidation (M)[7]				Mascot
	2559.1748	2559.1748	0	0	91	113	QSLKVHMGHTGENLSTC DQCGK						Carbamidomethyl (C)[18], Oxidation (M)[7]				Mascot
	2680.1912	2680.2212	0.03	11	95	118	VHMGHTGENLSTCDQC GKSFNK						Carbamidomethyl (C)[14], Oxidation (M)[3]				Mascot
	2853.2751	2853.3992	0.1241	43	314	336	ENLTSHMRIHTGEKPFAC EYCEK						Carbamidomethyl (C)[18,21], Oxidation (M)[7]				Mascot
6	PREDICTED: gastrula zinc finger protein XICGF57.1-like [Danio rerio]					gi 326667039	42016.4	9.37	13	45	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
900.4282	900.4632	0.035	39	327	333	THSREDR						Mascot
987.4676	987.6115	0.1439	146	95	102	SNLDVHMR				Oxidation (M)[7]		Mascot
996.5446	996.5761	0.0315	32	67	74	TSSHRRPR						Mascot
1174.4979	1174.553	0.0551	47	76	85	SKSGCNFSCK				Carbamidomethyl (C)[5,9]		Mascot
1548.7588	1548.9131	0.1543	100	90	102	SFSQKSNLDVHMR						Mascot
1564.7537	1564.8866	0.1329	85	90	102	SFSQKSNLDVHMR				Oxidation (M)[12]		Mascot
1605.7015	1605.7881	0.0866	54	174	186	SFYHAGHFAEHMR				Oxidation (M)[12]		Mascot
1707.7941	1707.7482	-0.0459	-27	103	117	THTGEKPFSCQKCGK				Carbamidomethyl (C)[10]		Mascot
1720.8258	1720.9137	0.0879	51	159	173	IHTGERPYTCQKCGK						Mascot
1974.9087	1975.0669	0.1582	80	348	364	SLNTHMKLHNGEESPQH				Oxidation (M)[6]		Mascot
2211.0684	2211.053	-0.0154	-7	271	290	IHTGEKPFACAQCGKSFT TK				Carbamidomethyl (C)[10]		Mascot
2536.1489	2536.1211	-0.0278	-11	295	317	NHNMNGHTGTIVFTCDQC GKSLTR				Oxidation (M)[3]		Mascot
2606.1909	2606.1165	-0.0744	-29	291	313	TSLKNHNMNGHTGTIVFTC DQCGK				Carbamidomethyl (C)[18,21]		Mascot
2853.3115	2853.3992	0.0877	31	235	257	QDLYIHMRIHTGEKPYTC TECGK				Carbamidomethyl (C)[18,21], Oxidation (M)[7]		Mascot

7 PREDICTED: zinc finger protein 180-like [Danio rerio] gi|292613226 44120.8 9.2 12 43 0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1108.5382	1108.5502	0.012	11	374	383	LHNGEQSPLN					Mascot
1108.5382	1108.5502	0.012	11	374	383	LHNGEQSPLN					Mascot
1127.4642	1127.5524	0.0882	78	268	276	ICTCTQCGK			Carbamidomethyl (C)[2,4,7]		Mascot
1127.4642	1127.5524	0.0882	78	268	276	ICTCTQCGK			Carbamidomethyl (C)[2,4,7]		Mascot
1165.6259	1165.7202	0.0943	81	281	289	KQSLHIHMR			Oxidation (M)[8]		Mascot
1174.4802	1174.553	0.0728	62	71	80	CNFSCKQCGK			Carbamidomethyl (C)[1]		Mascot
1534.7794	1534.6222	-0.1572	-102	165	177	SFKQNGTLTVHMR			Oxidation (M)[12]		Mascot
1605.7512	1605.7881	0.0369	23	318	332	THTGEKPFACVQCGK					Mascot
1620.6749	1620.7225	0.0476	29	268	280	ICTCTQCGKCFSR			Carbamidomethyl (C)[2,4,7]		Mascot
1720.8146	1720.9137	0.0991	58	234	248	IHTGEKPYSCLCQCGK			Carbamidomethyl (C)[10]		Mascot
1768.8488	1768.832	-0.0168	-9	6	20	EESEDKIEDTFTVK					Mascot
1974.9636	1975.0669	0.1033	52	77	93	QCGKSFSQKPNLDVHMR					Mascot
3337.4573	3337.6738	0.2165	65	178	205	THTGERPYTCQCGKSF YTSNFTQHMR					Mascot
3366.5103	3366.4951	-0.0152	-5	122	149	IHTGERPYTCQCGQT YHVGNF ¹ AAHMR			Carbamidomethyl (C)[10,13]		Mascot
3366.5103	3366.4951	-0.0152	-5	122	149	IHTGERPYTCQCGQT YHVGNF ¹ AAHMR			Carbamidomethyl (C)[10,13]		Mascot
8	synaptonemal complex protein 3 [Danio rerio]			gi 94536667		27983.3	8.55	8	42	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4127	850.527	0.1143	134	111	116	LEQMWK			Oxidation (M)[4]		Mascot
1045.5049	1045.5433	0.0384	37	44	52	DDETPIDK					Mascot
1605.7802	1605.7881	0.0079	5	111	122	LEQMWK ¹ TQQNQR			Oxidation (M)[4]		Mascot
2021.8782	2021.9862	0.108	53	35	52	ESGSD ¹ EDTRDDETPIDK					Mascot
2233.0806	2233.0376	-0.043	-19	178	195	TINDLHEQFVKNI ¹ EEMEK			Oxidation (M)[16]		Mascot
2264.1445	2263.9163	-0.2282	-101	14	33	HTDGVVTDLKAFDFTVLE EK					Mascot
2536.1807	2536.1211	-0.0596	-23	189	209	NIEEM ¹ KSHEAFLQGTQ MELR			Oxidation (M)[5]		Mascot
2871.4636	2871.394	-0.0696	-24	123	146	QKLTQDHSQ ¹ QVFSVLQQ WESDVLK					Mascot
2871.4636	2871.394	-0.0696	-24	123	146	QKLTQDHSQ ¹ QVFSVLQQ WESDVLK					Mascot
9	Zgc:55673 [Danio rerio]			gi 28278370		41830.1	9.58	9	41	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type

				Seq.	Seq.	Score			
	939.5158	939.5073	-0.0085	-9	351	358	YLRAGGFR		Mascot
	996.4996	996.5761	0.0765	77	2	11	SSGTPYIGSK		Mascot
	1127.5402	1127.5524	0.0122	11	1	11	MSSGTPYIGSK		Mascot
	1127.5402	1127.5524	0.0122	11	1	11	MSSGTPYIGSK		Mascot
	1190.6012	1190.5504	-0.0508	-43	194	205	GDSSSAQQAVLK		Mascot
	1557.7656	1557.7168	-0.0488	-31	318	330	SFFDNISSELRSR		Mascot
	1620.8856	1620.7225	-0.1631	-101	340	353	LNVEFTGVPGRYLR		Mascot
	1768.9513	1768.832	-0.1193	-67	1	17	MSSGTPYIGSKISLISK		Mascot
	2087.0542	2086.842	-0.2122	-102	22	40	YEGILYTIDTDNSTVALAK		Mascot
	2853.416	2853.3992	-0.0168	-6	150	174	GPMVEQAVQTVPAEKTQ QQQQQQQK	Oxidation (M)[3]	Mascot

10 PREDICTED: DEP domain-containing protein 7 [Danio rerio] gi|292628040 69437.4 5.37 9 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1127.7035	1127.5524	-0.1511	-134	424	433	ALEVLQLTLK	11	0			Mascot
1127.7035	1127.5524	-0.1511	-134	424	433	ALEVLQLTLK					Mascot
1174.5851	1174.553	-0.0321	-27	272	280	EVWQEQTVR					Mascot
1330.6862	1330.6335	-0.0527	-40	272	281	EVWQEQTVRR					Mascot
1720.8655	1720.9137	0.0482	28	160	173	ALAVRLCQVLMDCR			Carbamidomethyl (C)[7,13], Oxidation (M)[11]		Mascot
2022.0742	2021.9862	-0.088	-44	382	397	LLLFHVLEKHYGHMER					Mascot
2211.1326	2211.053	-0.0796	-36	251	271	LDLTGLVGSSPDECLPPS VVR			Carbamidomethyl (C)[14]		Mascot
2680.3213	2680.2212	-0.1001	-37	300	323	IVSPPSRGSNNPDLLYT SSYLDR					Mascot
2697.2283	2697.1252	-0.1031	-38	128	150	THENCFLGCEAVDVLQD YLTQNK			Carbamidomethyl (C)[5]		Mascot
2697.2283	2697.1252	-0.1031	-38	128	150	THENCFLGCEAVDVLQD YLTQNK			Carbamidomethyl (C)[5]		Mascot
3366.6997	3366.4951	-0.2046	-61	251	280	LDLTGLVGSSPDECLPPS VVREVWQEQTVR			Carbamidomethyl (C)[14]		Mascot
3366.6997	3366.4951	-0.2046	-61	251	280	LDLTGLVGSSPDECLPPS VVREVWQEQTVR			Carbamidomethyl (C)[14]		Mascot

11 PREDICTED: apolipoprotein B-100 [Danio rerio] gi|326675669 478034.2 5.42 30 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
900.4097	900.4632	0.0535	59	2163	2169	AFDEQYK					Mascot

1045.5347	1045.5433	0.0086	8	931	939	IVPSMVEDR		Mascot
1051.5756	1051.6887	0.1131	108	3778	3785	HDLRQNL		Mascot
1095.481	1095.5037	0.0227	21	522	530	LMEMSDSDVR		Mascot
1118.6052	1118.634	0.0288	26	274	283	QSLTLQDSVK		Mascot
1127.4707	1127.5524	0.0817	72	522	530	LMEMSDSDVR	2 0 Oxidation (M)[2,4]	Mascot
1127.4707	1127.5524	0.0817	72	522	530	LMEMSDSDVR	Oxidation (M)[2,4]	Mascot
1330.6936	1330.6335	-0.0601	-45	713	723	WISPLNGERMK		Mascot
1354.7114	1354.6934	-0.018	-13	1250	1260	SDALLRYQFNK		Mascot
1354.7114	1354.6934	-0.018	-13	1250	1260	SDALLRYQFNK		Mascot
1363.6998	1363.6482	-0.0516	-38	3206	3217	RNMEASLTNLAK	Oxidation (M)[3]	Mascot
1380.7369	1380.7235	-0.0134	-10	2448	2459	NIKDVIDTTAYK		Mascot
1473.693	1473.8102	0.1172	80	2425	2436	EMQATVFDYLEK		Mascot
1473.693	1473.8102	0.1172	80	2425	2436	EMQATVFDYLEK		Mascot
1534.7708	1534.6222	-0.1486	-97	1657	1671	GSSQDNTIELSAKGK		Mascot
1548.6998	1548.9131	0.2133	138	733	744	SMEEYISEFKNR	Oxidation (M)[2]	Mascot
1557.7573	1557.7168	-0.0405	-26	2345	2357	MMEIMDSIVSLLK	Oxidation (M)[1,2,5]	Mascot
1620.7906	1620.7225	-0.0681	-42	3220	3232	CPVLMMDLNQVLR	Carbamidomethyl (C)[1], Oxidation (M)[5,6]	Mascot
1638.7832	1638.6833	-0.0999	-61	605	619	AVQGDVSFPPMDFTK		Mascot
1652.8563	1652.8976	0.0413	25	3450	3464	VEMSESVEGKVAFLK		Mascot
1707.9388	1707.7482	-0.1906	-112	1517	1531	TNAQNDVLKHVVELK		Mascot
1768.8972	1768.832	-0.0652	-37	4149	4164	VSGIYKEAGNLEVMMK		Mascot
1974.9478	1975.0669	0.1191	60	2612	2628	QIEMPEVDPEAIFGDLR	Oxidation (M)[4]	Mascot
2110.0203	2110.0537	0.0334	16	1694	1712	NTMNIGINKQGLSMSNTM R		Mascot
2211.1113	2211.053	-0.0583	-26	770	788	TSDLKHVTQYINLCAETF K		Mascot
2216.0176	2215.9321	-0.0855	-39	1161	1178	SDINSEVEKLFPNMEEYR	Oxidation (M)[14]	Mascot
2248.0994	2247.9194	-0.18	-80	798	815	LISSLENEFFVHYMFLDK	Oxidation (M)[14]	Mascot
2264.0903	2263.9163	-0.174	-77	4112	4129	SEEVFEDLMNYLKVYTQ R		Mascot
2284.1416	2284.1194	-0.0222	-10	2731	2750	SSLEFLDYTLDAMLQIEA PK		Mascot
2559.1853	2559.1748	-0.0105	-4	2971	2993	VSGSISNTCDFLAQPFV TLDCR	Carbamidomethyl (C)[9]	Mascot
2559.1853	2559.1748	-0.0105	-4	2971	2993	VSGSISNTCDFLAQPFV TLDCR	Carbamidomethyl (C)[9]	Mascot
2697.3994	2697.1252	-0.2742	-102	2044	2066	FESLQNYLNSLDLNLALIG QFRNK		Mascot
2697.3994	2697.1252	-0.2742	-102	2044	2066	FESLQNYLNSLDLNLALIG QFRNK		Mascot
2853.3835	2853.3992	0.0157	6	3351	3377	IYATMAYTSSNAASIASFS TNGKQNV		Mascot
2871.3286	2871.394	0.0654	23	3707	3732	MASPIYNNTWTGNVENT EAGTVCTLK	Carbamidomethyl (C)[23]	Mascot
2871.3286	2871.394	0.0654	23	3707	3732	MASPIYNNTWTGNVENT	Carbamidomethyl (C)[23]	Mascot

	3337.7654	3337.6738	-0.0916	-27	3516	3544	EAGTVCTLK LFENGVSFNIPQITFGVP DLFKTIPQMIR				Oxidation (M)[27]	Mascot
12	S-methyl-5'-thioadenosine phosphorylase [Danio rerio]					gi 41054629	30827.4	5.99	8	37	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1330.6572	1330.6335	-0.0237	-18	174	184	FSSRAESLMFR					Mascot
	1354.7939	1354.6934	-0.1005	-74	147	159	EVLLEVAQGLGVK					Mascot
	1354.7939	1354.6934	-0.1005	-74	147	159	EVLLEVAQGLGVK					Mascot
	1363.6344	1363.6482	0.0138	10	269	280	SMSQSSVMLPKH			Oxidation (M)[2,8]		Mascot
	1557.7625	1557.7168	-0.0457	-29	160	173	CHTRGTMVTIEGPR					Mascot
	1573.7573	1573.7124	-0.0449	-29	160	173	CHTRGTMVTIEGPR			Oxidation (M)[7]		Mascot
	1903.9	1903.8071	-0.0929	-49	80	96	EEGCTHLLVTTACGSLR			Carbamidomethyl (C)[4,13]		Mascot
	2087.0842	2086.842	-0.2422	-116	185	203	QWGADVINTTVPEVVLAK			Oxidation (M)[9]		Mascot
	2224.9348	2225.0657	0.1309	59	204	222	EAGLCYASIAMATDYDCWK			Carbamidomethyl (C)[5,17]		Mascot
	2697.3511	2697.1252	-0.2259	-84	1	26	MTSNSHVKIGIIGGSGLD DPDILEGR			Oxidation (M)[1]		Mascot
	2697.3511	2697.1252	-0.2259	-84	1	26	MTSNSHVKIGIIGGSGLD DPDILEGR			Oxidation (M)[1]		Mascot
13	LOC100002738 protein [Danio rerio]					gi 134026300	92988.4	5.6	10	37	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	842.4842	842.4929	0.0087	10	602	608	IVDPSRR					Mascot
	1127.5051	1127.5524	0.0473	42	614	622	CHYEPHSVR	11		0		Mascot
	1127.5051	1127.5524	0.0473	42	614	622	CHYEPHSVR					Mascot
	1190.5834	1190.5504	-0.033	-28	429	439	CSVDRGDPITK					Mascot
	1354.6685	1354.6934	0.0249	18	614	624	CHYEPHSVRVK					Mascot
	1354.6685	1354.6934	0.0249	18	614	624	CHYEPHSVRVK					Mascot
	1363.7004	1363.6482	-0.0522	-38	402	413	IPADNPFVHEPK					Mascot
	1548.7335	1548.9131	0.1796	116	225	238	NPLAMVHANDGTHR			Oxidation (M)[5]		Mascot
	2225.1641	2225.0657	-0.0984	-44	239	257	FFVAEQVGLVWVYLPDQSK					Mascot
	2233.259	2233.0376	-0.2214	-99	625	644	SNIIPFEPKETLIGVHIPTK					Mascot
	2559.3049	2559.1748	-0.1301	-51	672	694	EEDGQITTTPTPTTPKP VRTSR					Mascot
	2559.3049	2559.1748	-0.1301	-51	672	694	EEDGQITTTPTPTTPKP VRTSR					Mascot
	3338.5549	3338.6826	0.1277	38	1	28	LHNFYFHVSEVGSQALS					Mascot

VMWYFCDVFGR

14 PREDICTED: zinc finger protein 135-like [Danio rerio] gi|326666826 49481.4 9.54 12 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1174.5739	1174.553	-0.0209	-18	325	334	SFSQSTYLNK					Mascot
1548.77	1548.9131	0.1431	92	269	281	SFNRSSSLNLHMR					Mascot
1557.759	1557.7168	-0.0422	-27	45	57	SFNQPSNLNLHMR					Mascot
1564.7649	1564.8866	0.1217	78	269	281	SFNRSSSLNLHMR			Oxidation (M)[12]		Mascot
1573.754	1573.7124	-0.0416	-26	45	57	SFNQPSNLNLHMR			Oxidation (M)[12]		Mascot
1638.8057	1638.6833	-0.1224	-75	241	253	SFNQLSYNLNLHMR			Oxidation (M)[12]		Mascot
1743.8054	1743.7939	-0.0115	-7	170	184	IHTGEKPFCTCTHCGR			Carbamidomethyl (C)[10]		Mascot
2086.9731	2086.842	-0.1311	-63	1	17	MIHTGEKPFCTCHQCGKR			Carbamidomethyl (C)[11,14]		Mascot
2211.0435	2211.053	0.0095	4	282	300	IHTGEKPFCTCTQCGKSFN R			Carbamidomethyl (C)[10]		Mascot
2248.0498	2247.9194	-0.1304	-58	170	188	IHTGEKPFCTCTHGRSFN R			Carbamidomethyl (C)[10]		Mascot
2871.3401	2871.394	0.0539	19	338	362	IHTGEKPFCTCTQCEKSFN QSSSLNK			Carbamidomethyl (C)[10]		Mascot
2871.3401	2871.394	0.0539	19	338	362	IHTGEKPFCTCTQCEKSFN QSSSLNK			Carbamidomethyl (C)[10]		Mascot
2928.3613	2928.3816	0.0203	7	338	362	IHTGEKPFCTCTQCEKSFN QSSSLNK			Carbamidomethyl (C)[10,13]		Mascot
2928.3613	2928.3816	0.0203	7	338	362	IHTGEKPFCTCTQCEKSFN QSSSLNK			Carbamidomethyl (C)[10,13]		Mascot
3337.6179	3337.6738	0.0559	17	157	184	IFSNLFSFTIHMRIHTGEK PFTCTHCGR			Carbamidomethyl (C)[23]		Mascot
3338.5979	3338.6826	0.0847	25	241	268	SFNQLSYNLNLHMR IHTGEKPFCTCTQCGR			Carbamidomethyl (C)[23]		Mascot
3366.5676	3366.4951	-0.0725	-22	58	85	IHTGEKPFCTCTQCGKNFI HSSHLNEHMR			Carbamidomethyl (C)[10,13]		Mascot
3366.5676	3366.4951	-0.0725	-22	58	85	IHTGEKPFCTCTQCGKNFI HSSHLNEHMR			Carbamidomethyl (C)[10,13]		Mascot

15 Zgc:56530 [Danio rerio] gi|29124454 11140.5 5.91 5 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1118.551	1118.634	0.083	74	2	12	PLVCGGTSEAK			Carbamidomethyl (C)[4]		Mascot
1380.6134	1380.7235	0.1101	80	21	32	ICDQMKADAEK					Mascot
1688.9006	1688.8339	-0.0667	-39	44	58	SFKTQVVAGTNYFVK					Mascot
1707.7677	1707.7482	-0.0195	-11	13	26	DANEEVQKICDQMK			Carbamidomethyl (C)[10]		Mascot
1974.9436	1975.0669	0.1233	62	2	20	PLVCGGTSEAKDANEEV QK					Mascot

16 PREDICTED: zinc finger protein 420 isoform 2 [Danio rerio] gi|326678086 70371 9.08 13 36 0

rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.4929	-0.0277	-33	25	31	QRQGLLK					Mascot
987.5621	987.6115	0.0494	50	497	505	TFITAGHLK					Mascot
1045.536	1045.5433	0.0073	7	134	141	FHCARNLK			Carbamidomethyl (C)[3]		Mascot
1108.5997	1108.5502	-0.0495	-45	357	366	TFITAAELSR					Mascot
1108.5997	1108.5502	-0.0495	-45	357	366	TFITAAELSR					Mascot
1190.4856	1190.5504	0.0648	54	488	496	EFVCFECEK			Carbamidomethyl (C)[4]		Mascot
1534.757	1534.6222	-0.1348	-88	83	95	IDHNFLETTAVK			Oxidation (M)[7]		Mascot
1743.833	1743.7939	-0.0391	-22	556	571	VSSSLNSHMLTHTGEK			Oxidation (M)[9]		Mascot
2086.991	2086.842	-0.149	-71	367	384	HQRIHTGEKPYTCTQCGK					Mascot
2110.0347	2110.0537	0.019	9	556	574	VSSSLNSHMLTHTGEKTHK			Oxidation (M)[9]		Mascot
2211.0798	2211.053	-0.0268	-12	450	468	IHLRVHTNEKPYSCPECK					Mascot
2216.0515	2215.9321	-0.1194	-54	488	505	EFVCFECEKTFITAGHLK			Carbamidomethyl (C)[4,7]		Mascot
2283.0579	2283.125	0.0671	29	227	245	HQMIHTGEKPYKCSHCDLR					Mascot
2559.1677	2559.1748	0.0071	3	83	104	IDHNFLETTAVKDFCTCTQCGK			Carbamidomethyl (C)[17]		Mascot
2559.1677	2559.1748	0.0071	3	83	104	IDHNFLETTAVKDFCTCTQCGK			Carbamidomethyl (C)[17]		Mascot

17 ATP-binding cassette sub-family D member 3 [Danio rerio]

gi|47087309 74945 9.47 12 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4716	850.527	0.0554	65	151	156	LCFRVR			Carbamidomethyl (C)[2]		Mascot
987.5833	987.6115	0.0282	29	396	404	VLKELNSGK					Mascot
1051.6411	1051.6887	0.0476	45	61	68	LFFIRISR					Mascot
1095.5428	1095.5037	-0.0391	-36	399	407	ELNSGKYER					Mascot
1118.6602	1118.634	-0.0262	-23	390	398	ITELMRVLK			Oxidation (M)[5]		Mascot
1330.6381	1330.6335	-0.0046	-3	310	321	FSMGMVDSIIAK			Oxidation (M)[3,5]		Mascot
1473.6328	1473.8102	0.1774	120	629	639	HHEYLYHMDGR			Oxidation (M)[8]		Mascot
1473.6328	1473.8102	0.1774	120	629	639	HHEYLYHMDGR			Oxidation (M)[8]		Mascot
1557.8325	1557.7168	-0.1157	-74	298	309	LVDHLHNFIFFR					Mascot
2110.0168	2110.0537	0.0369	17	462	481	SGTNVLVCGPNGCGKSSLFR			Carbamidomethyl (C)[8,13]		Mascot

	2211.2283	2211.053	-0.1753	-79	482	501	VLGELWPLFGGNLTKPE RGK						Mascot
	2297.0723	2297.1318	0.0595	26	455	476	DLCFEVKSGTNNLVCGP NGCGK			Carbamidomethyl (C)[3]			Mascot
	2853.4578	2853.3992	-0.0586	-21	298	321	LVDHLHNFIFFRFSMGMV DSIIAK			Oxidation (M)[15]			Mascot
18	hypothetical protein LOC100003708 [Danio rerio]				gi 324120910		46837.6	7.94	8	34	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1095.5304	1095.5037	-0.0267	-24	352	359	HHTRHHDR					Mascot
1354.6658	1354.6934	0.0276	20	325	335	AIMHSHHGHR			Oxidation (M)[3]		Mascot
1354.6658	1354.6934	0.0276	20	325	335	AIMHSHHGHR			Oxidation (M)[3]		Mascot
1473.8358	1473.8102	-0.0256	-17	213	225	LGLVMPGFLQRSR					Mascot
1473.8358	1473.8102	-0.0256	-17	213	225	LGLVMPGFLQRSR					Mascot
1638.7871	1638.6833	-0.1038	-63	369	381	HHHGHRPHHHGHR					Mascot
2110.1226	2110.0537	-0.0689	-33	6	24	AFAFLCLVSVGAQRTQ SR			Carbamidomethyl (C)[6]		Mascot
2233.2261	2233.0376	-0.1885	-84	141	160	SIKGVFEEEMRPLLSAS VK					Mascot
2559.3374	2559.1748	-0.1626	-64	93	115	LMSANEASVGSFIQTLT YLKEK			Oxidation (M)[2]		Mascot
2559.3374	2559.1748	-0.1626	-64	93	115	LMSANEASVGSFIQTLT YLKEK			Oxidation (M)[2]		Mascot
3366.6531	3366.4951	-0.158	-47	286	316	EVLQQGFGGIGVVLIDL VFGNSMCPNMTQK			Carbamidomethyl (C)[25]		Mascot
3366.6531	3366.4951	-0.158	-47	286	316	EVLQQGFGGIGVVLIDL VFGNSMCPNMTQK			Carbamidomethyl (C)[25]		Mascot

19 Zgc:63504 protein [Danio rerio] gi|39644985 175143.5 5.66 19 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.409	842.4929	0.0839	100	991	996	MYHVHR					Mascot
900.5148	900.4632	-0.0516	-57	1007	1015	IPGAKTADK					Mascot
987.5833	987.6115	0.0282	29	644	652	LQTNISALK					Mascot
1165.5735	1165.7202	0.1467	126	718	727	LFEEATDVNK					Mascot
1174.6249	1174.553	-0.0719	-61	707	717	ALEGIMEGAKR					Mascot
1190.5221	1190.5504	0.0283	24	1459	1468	EFMGLTDFCK					Mascot
1557.8132	1557.7168	-0.0964	-62	181	193	NNLANKPQDFQIR					Mascot
1564.8304	1564.8866	0.0562	36	1318	1330	KCPNFQGNVFLK			Carbamidomethyl (C)[2]		Mascot
1573.8771	1573.7124	-0.1647	-105	728	740	CLTIIEGWLEKLR					Mascot
1620.8083	1620.7225	-0.0858	-53	1193	1206	DEMLGRSTCVPLVK			Carbamidomethyl (C)[9], Oxidation (M)[3]		Mascot

	1688.7506	1688.8339	0.0833	49	1372	1386	CDPYVTSEVAMSSK		Carbamidomethyl (C)[1], Oxidation (M)[12]	Mascot		
	1720.9056	1720.9137	0.0081	5	384	398	NLVDPFVEAWFAGKK			Mascot		
	1743.9275	1743.7939	-0.1336	-77	17	32	LGSPDPIASLVFRDEK			Mascot		
	1975.0229	1975.0669	0.044	22	527	544	ADKSVEEISSDDILVVQK			Mascot		
	2039.9929	2039.9558	-0.0371	-18	273	289	LDIGYIYDEQAHCIMKK			Mascot		
	2225.0398	2225.0657	0.0259	12	1288	1307	MYQLAPVTSPCLVVECG GER		Carbamidomethyl (C)[11], Oxidation (M)[1]	Mascot		
	2384.1938	2383.8892	-0.3046	-128	326	347	EQDSDKDDVESNLLLPA GVALR			Mascot		
	2680.2407	2680.2212	-0.0195	-7	358	382	AEDIPQMDD SITQSLKEA FGGEGNK			Mascot		
	2871.4919	2871.394	-0.0979	-34	1514	1538	ELPDSVSQECVRIYVVQ GIDLQPK		Carbamidomethyl (C)[10]	Mascot		
	2871.4919	2871.394	-0.0979	-34	1514	1538	ELPDSVSQECVRIYVVQ GIDLQPK		Carbamidomethyl (C)[10]	Mascot		
20	PRKCA-binding protein [Danio rerio]				gi 116268065	45868.4	5.48	7	33	0	16	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
987.504	987.6115	0.1075	109	165	172	GLMEHTKR			Oxidation (M)[3]		Mascot
1045.571	1045.5433	-0.0277	-26	142	151	AILCNDGLVK					Mascot
1127.6783	1127.5524	-0.1259	-112	242	251	AIPDTKL TIR	16	0			Mascot
1127.6783	1127.5524	-0.1259	-112	242	251	AIPDTKL TIR					Mascot
1473.6564	1473.8102	0.1538	104	389	401	AQNQQQEENGAEK					Mascot
1473.6564	1473.8102	0.1538	104	389	401	AQNQQQEENGAEK					Mascot
1534.6254	1534.6222	-0.0032	-2	2	13	FTDMDYELEEDK					Mascot
1720.8534	1720.9137	0.0603	35	125	141	LVENMSSGTADALGLSR					Mascot
1768.8978	1768.832	-0.0658	-37	253	266	YLDVKFGYLSYCLK			Carbamidomethyl (C)[12]		Mascot

21 PREDICTED: collagen alpha-1(VI) chain [Danio rerio] gi|125829720 106609.7 5.87 12 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
900.5148	900.4632	-0.0516	-57	132	139	EGIAELLR					Mascot
939.4564	939.5073	0.0509	54	218	225	STQMSTIR			Oxidation (M)[4]		Mascot
1174.6367	1174.553	-0.0837	-71	971	979	HLFKVPDYR					Mascot
1354.7617	1354.6934	-0.0683	-50	61	71	TFTKLFIDELK					Mascot
1354.7617	1354.6934	-0.0683	-50	61	71	TFTKLFIDELK					Mascot
1380.7555	1380.7235	-0.032	-23	621	631	EFIVTIMDRLK			Oxidation (M)[7]		Mascot
2021.9821	2021.9862	0.0041	2	164	182	EPCGGIQEAANEARQHAI K					Mascot

	2087.092	2086.842	-0.25	-120	975	992	VPDYRSLVTGVFYQTVS R							Mascot
	2297.1785	2297.1318	-0.0467	-20	881	900	FQNAGTQVTNALNFAIER FR							Mascot
	2663.2153	2663.3643	0.149	56	266	292	GDFGAQGNPGDGPVG YQGMKGDQGIK	Oxidation (M)[20]						Mascot
	2663.2153	2663.3643	0.149	56	266	292	GDFGAQGNPGDGPVG YQGMKGDQGIK	Oxidation (M)[20]						Mascot
	2697.3892	2697.1252	-0.264	-98	1	25	MALNGYILTALCALWAGI FAQDVSR							Mascot
	2697.3892	2697.1252	-0.264	-98	1	25	MALNGYILTALCALWAGI FAQDVSR							Mascot
	2871.2681	2871.394	0.1259	44	226	253	SIHMICCSFDCIADGGPQ GPPGDPGQR							Mascot
	2871.2681	2871.394	0.1259	44	226	253	SIHMICCSFDCIADGGPQ GPPGDPGQR							Mascot
	2928.2896	2928.3816	0.092	31	226	253	SIHMICCSFDCIADGGPQ GPPGDPGQR	Carbamidomethyl (C)[7]						Mascot
	2928.2896	2928.3816	0.092	31	226	253	SIHMICCSFDCIADGGPQ GPPGDPGQR	Carbamidomethyl (C)[7]						Mascot
	3338.5046	3338.6826	0.178	53	793	822	KCPTYTCPISFNDNTDVL MMDSSASVGA	Carbamidomethyl (C)[2,7], Oxidation (M)[20]						Mascot

22 PREDICTED: hypothetical protein LOC100320667 [Danio rerio] gi|326678190 55450.3 5.16 9 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1534.8071	1534.6222	-0.1849	-120	304	317	LDNKTGSLTITDTR					Mascot
1548.8115	1548.9131	0.1016	66	145	159	VLEENSVTLSSGVSK					Mascot
1620.7963	1620.7225	-0.0738	-46	247	261	EGDSVTLNSDLTELK					Mascot
1768.8613	1768.832	-0.0293	-17	183	197	QTNRFVFDVLDGR					Mascot
2040.0496	2039.9558	-0.0938	-46	207	225	KTGSLTITDIITENAGDYK					Mascot
2225.063	2225.0657	0.0027	1	2	18	FRHFQSCHLELFSELMK			Carbamidomethyl (C)[7], Oxidation (M)[16]		Mascot
2283.0872	2283.125	0.0378	17	1	18	MFRHFQSCHLELFSELM K					Mascot
2680.3577	2680.2212	-0.1365	-51	74	97	ETVIAEINVTANRFVFD VLDGR					Mascot
2697.3374	2697.1252	-0.2122	-79	24	46	LVLLCLCRLVGGFDDDY QVQEGK			Carbamidomethyl (C)[5,7]		Mascot
2697.3374	2697.1252	-0.2122	-79	24	46	LVLLCLCRLVGGFDDDY QVQEGK			Carbamidomethyl (C)[5,7]		Mascot

23 novel protein [Danio rerio] gi|220679541 12846.6 6.84 5 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4338	850.527	0.0932	110	73	79	TIDVMQK			Oxidation (M)[5]		Mascot
1688.8602	1688.8339	-0.0263	-16	101	116	TGLGSHVTDGFSIREL					Mascot

	1768.8357	1768.832	-0.0037	-2	82	96	LMHSLSLSYMADTQR					Oxidation (M)[2]	Mascot
	2022.026	2021.9862	-0.0398	-20	80	96	IRLMHSLSLSYMADTQR						Mascot
	2871.4961	2871.394	-0.1021	-36	38	62	ELKVPEFSALQSTFLEEA NPMIHLK						Mascot
	2871.4961	2871.394	-0.1021	-36	38	62	ELKVPEFSALQSTFLEEA NPMIHLK						Mascot
24	LSM14 homolog B-like [Danio rerio]				gi 239050742		41515	9.51	8	33	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
939.5158	939.5073	-0.0085	-9	349	356	YLRAGGFR					Mascot
996.4996	996.5761	0.0765	77	2	11	SSGTPYIGSK					Mascot
1127.5402	1127.5524	0.0122	11	1	11	MSSGTPYIGSK					Mascot
1127.5402	1127.5524	0.0122	11	1	11	MSSGTPYIGSK					Mascot
1190.6012	1190.5504	-0.0508	-43	192	203	GDSSSAQQAVLK					Mascot
1557.7656	1557.7168	-0.0488	-31	316	328	SFFDNISSELR					Mascot
1620.8856	1620.7225	-0.1631	-101	338	351	LNVTFTGVPGRYL					Mascot
1768.9513	1768.832	-0.1193	-67	1	17	MSSGTPYIGSKISLISK					Mascot
2087.0542	2086.842	-0.2122	-102	22	40	YEGILYITIDNSTVALAK					Mascot

25	F-actin-capping protein subunit beta [Danio rerio]				gi 41053959		30723.6	5.7	7	33	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1108.6473	1108.5502	-0.0971	-88	15	23	RLPPQQIEK					Mascot
1108.6473	1108.5502	-0.0971	-88	15	23	RLPPQQIEK					Mascot
1174.5198	1174.553	0.0332	28	58	66	DYLLCDYNR					Mascot
1534.6842	1534.6222	-0.062	-40	79	92	YEPPIDDGAMPSAR			Oxidation (M)[10]		Mascot
1548.7145	1548.9131	0.1986	128	2	14	NEQQLDCALDLMR					Mascot
1557.7729	1557.7168	-0.0561	-36	54	66	VVGKDYLLCDYNR					Mascot
1564.7094	1564.8866	0.1772	113	2	14	NEQQLDCALDLMR			Oxidation (M)[12]		Mascot
1605.736	1605.7881	0.0521	32	2	14	NEQQLDCALDLMR			Carbamidomethyl (C)[7]		Mascot
1720.8105	1720.9137	0.1032	60	2	15	NEQQLDCALDLMR			Oxidation (M)[12]		Mascot
1768.7662	1768.832	0.0658	37	1	14	MNEQQLDCALDLMR			Carbamidomethyl (C)[8], Oxidation (M)[1,13]		Mascot

26	Zgc:171493 protein [Danio rerio]				gi 158253797		23832.2	8.19	7	32	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	900.5009	900.4632	-0.0377	-42	107	113	LQERQAR										Mascot
	987.5469	987.6115	0.0646	65	2	10	IPSSDSLRL										Mascot
	1118.5874	1118.634	0.0466	42	1	10	MIPSSDSLRL										Mascot
	1473.7406	1473.8102	0.0696	47	197	209	YSLVFGNCTIKTQ										Mascot
	1473.7406	1473.8102	0.0696	47	197	209	YSLVFGNCTIKTQ										Mascot
	1557.7288	1557.7168	-0.012	-8	184	196	SDFENKVMCDILK					Oxidation (M)[8]					Mascot
	1564.8694	1564.8866	0.0172	11	94	106	VDVIHLQEQLDKK										Mascot
	2283.1147	2283.125	0.0103	5	156	175	MTIAAYQTLYESVAFGM RK					Oxidation (M)[1]					Mascot
27	Zgc:110331 [Danio rerio]				gi 62202266			17382.1	8.3	6	32	0					

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	882.5294	882.5476	0.0182	21	122	129	ELSLPPVK					Mascot
	900.4971	900.4632	-0.0339	-38	9	16	CAAPQILK			Carbamidomethyl (C)[1]		Mascot
	1045.5636	1045.5433	-0.0203	-19	42	51	NVGSLDKNAK					Mascot
	1330.6494	1330.6335	-0.0159	-12	130	141	LHCSMLAEDAIK					Mascot
	1974.9735	1975.0669	0.0934	47	49	68	NAKNVGTGLVGAPACGD VMK			Carbamidomethyl (C)[15], Oxidation (M)[19]		Mascot
	2194.1611	2194.0354	-0.1257	-57	122	141	ELSLPPVKLHCSMLAEDA IK					Mascot
28	novel protein similar to vertebrate (PIWIL2) [Danio rerio]				gi 123232882			22624.7	6.37	6	32	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1108.5092	1108.5502	0.041	37	88	97	LPMEEGGFGR			Oxidation (M)[3]		Mascot
	1108.5092	1108.5502	0.041	37	88	97	LPMEEGGFGR			Oxidation (M)[3]		Mascot
	1330.7477	1330.6335	-0.1142	-86	176	188	GAAPVGVTFKDLR					Mascot
	1620.889	1620.7225	-0.1665	-103	40	54	GLIMPIDEPLPGRGR					Mascot
	1743.8119	1743.7939	-0.018	-10	199	214	DGVQQAIWQICSQNP					Mascot
	2233.1646	2233.0376	-0.127	-57	149	171	VGSPGTGSSLVSMFRGL GIEPGK					Mascot
	2384.1477	2383.8892	-0.2585	-108	17	37	APWQQSTEDQSQLLDQP SLGR					Mascot

29 novel protein similar to H.sapien ARHGAP23, Rho GTPase activating protein 23 (ARHGAP23) [Danio rerio]

gi|220679183 43224.2 9.03 10 32 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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				Seq.	Seq.	Score				
	939.5509	939.5073	-0.0436	-46	369	376	ITETLILH			Mascot
	1095.4962	1095.5037	0.0075	7	89	96	DDMLMWIR		Oxidation (M)[3]	Mascot
	1127.5116	1127.5524	0.0408	36	282	290	YNDFIDANR			Mascot
	1127.5116	1127.5524	0.0408	36	282	290	YNDFIDANR			Mascot
	1174.599	1174.553	-0.046	-39	272	281	LPEPLFTDDK			Mascot
	1638.9214	1638.6833	-0.2381	-145	257	270	DLNVISSLLKSFFR			Mascot
	1652.941	1652.8976	-0.0434	-26	12	25	VFSVLHSSLLFLYK			Mascot
	1720.8687	1720.9137	0.045	26	187	202	TFGVRLEDCLPAASNK			Mascot
	1974.8936	1975.0669	0.1733	88	73	88	LMTQDFCEYLLQAEDR			Mascot
	2211.1213	2211.053	-0.0683	-31	47	66	DIQTISIQGCLIDIAYSETK			Mascot
	2283.0928	2283.125	0.0322	14	272	290	LPEPLFTDDKYNDFIDANR			Mascot

30

TPA_exp: transferrin [Danio rerio]

gi|47264590

73483.9

6.81

11

32

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
939.4604	939.5073	0.0469	50	646	652	YIDMIER				Mascot
1108.6361	1108.5502	-0.0859	-77	306	314	RTDSLILYK				Mascot
1108.6361	1108.5502	-0.0859	-77	306	314	RTDSLILYK				Mascot
1127.4357	1127.5524	0.1167	104	121	129	SSCHSCYQR	8	0	Carbamidomethyl (C)[6]	Mascot
1127.4357	1127.5524	0.1167	104	121	129	SSCHSCYQR			Carbamidomethyl (C)[3]	Mascot
1363.5988	1363.6482	0.0494	36	196	207	YFGDDGAFQCLK				Mascot
1380.7369	1380.7235	-0.0134	-10	597	609	SAVVSFLSDIQSK				Mascot
1557.7366	1557.7168	-0.0198	-13	146	158	ITWEGPNEMPVER				Mascot
1573.7314	1573.7124	-0.019	-12	146	158	ITWEGPNEMPVER			Oxidation (M)[9]	Mascot
1638.7349	1638.6833	-0.0516	-31	360	373	SCILEASVDDCIEK			Carbamidomethyl (C)[2,11]	Mascot
1652.8279	1652.8976	0.0697	42	274	289	QIPASDLFSSQAFGGK				Mascot
2297.0676	2297.1318	0.0642	28	553	572	DLKSEDFELICNTPDITMK				Mascot
2536.061	2536.1211	0.0601	24	467	489	CTLDKFFSEGCAPGADPTSNMCK			Carbamidomethyl (C)[1,11]	Mascot
3338.5085	3338.6826	0.1741	52	395	427	CGLVPVMAEQSNSQSCSSGSGGTASYAVAVVR			Carbamidomethyl (C)[1], Oxidation (M)[7]	Mascot

31

stromal interaction molecule 1 [Danio rerio]

gi|113677986

76089.1

5.98

10

32

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
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	850.5032	850.527	0.0238	28	583	589	KLYGIEK						Mascot
	882.425	882.5476	0.1226	139	230	236	HSKDHMK						Mascot
	900.5513	900.4632	-0.0881	-98	636	643	IPQISSKK						Mascot
	1095.627	1095.5037	-0.1233	-113	175	183	ILDRSHVQK						Mascot
	1652.8285	1652.8976	0.0691	42	492	505	QRHIDPQMALGSQR			Oxidation (M)[8]			Mascot
	2233.0806	2233.0376	-0.043	-19	45	63	IDEPLCQDENAILSFEAIR			Carbamidomethyl (C)[6]			Mascot
	2283.967	2284.1194	0.1524	67	68	87	QMDDDDNGNVDVLETD GFLR			Oxidation (M)[2]			Mascot
	2559.1687	2559.1748	0.0061	2	99	119	HNTFHGDDQFISVEDLW NAWK						Mascot
	2559.1687	2559.1748	0.0061	2	99	119	HNTFHGDDQFISVEDLW NAWK						Mascot
	2663.3181	2663.3643	0.0462	17	2	24	EFSGLVTFWIACICFLLQC RADK						Mascot
	2663.3181	2663.3643	0.0462	17	2	24	EFSGLVTFWIACICFLLQC RADK						Mascot
	3337.6431	3337.6738	0.0307	9	202	229	HNHLKDFMLVVSIVIGMG GCWFAYIQNR			Carbamidomethyl (C)[20], Oxidation (M)[8,17]			Mascot

32 PREDICTED: phospholipase DDHD1-like [Danio rerio] gi|326675812 90094.3 5.88 11 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
987.5833	987.6115	0.0282	29	673	683	ASILGAASLGK					Mascot
1045.5135	1045.5433	0.0298	29	446	453	LYSLFCSR			Carbamidomethyl (C)[6]		Mascot
1108.6361	1108.5502	-0.0859	-77	303	312	TVTQKLGFSSK					Mascot
1108.6361	1108.5502	-0.0859	-77	303	312	TVTQKLGFSSK					Mascot
1573.7955	1573.7124	-0.0831	-53	394	408	LALDGDVTESITPDK					Mascot
2021.9081	2021.9862	0.0781	39	641	660	DTASDMENGSSPSTSPV LAR					Mascot
2087.0273	2086.842	-0.1853	-89	548	565	VENFFCMGCPLAVFLALR			Carbamidomethyl (C)[6]		Mascot
2194.0042	2194.0354	0.0312	14	641	661	DTASDMENGSSPSTSPV LARR			Oxidation (M)[6]		Mascot
2211.0474	2211.053	0.0056	3	203	219	ECYPVYWNQKERIPVMR					Mascot
2233.1077	2233.0376	-0.0701	-31	566	585	GIRPGNTGHQDHIMPKSI CR			Oxidation (M)[14]		Mascot
2284.0637	2284.1194	0.0557	24	203	219	ECYPVYWNQKERIPVMR			Carbamidomethyl (C)[2], Oxidation (M)[16]		Mascot
2606.1729	2606.1165	-0.0564	-22	18	39	LSFGNRDWNDAFFSLCD ESIGR			Carbamidomethyl (C)[16]		Mascot
2871.3428	2871.394	0.0512	18	414	437	DLLNSSAMDIMYYTSPLY RDEITK			Oxidation (M)[8,11]		Mascot
2871.3428	2871.394	0.0512	18	414	437	DLLNSSAMDIMYYTSPLY RDEITK			Oxidation (M)[8,11]		Mascot

33 nitrogen fixation cluster-like [Danio rerio] gi|221307563 17420.2 8.83 6 31 0

Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
		882.5294	882.5476	0.0182	21	122	129	ELSLPPVK						Mascot
		900.4971	900.4632	-0.0339	-38	9	16	CAAPQILK				Carbamidomethyl (C)[1]		Mascot
		1045.5636	1045.5433	-0.0203	-19	42	51	NVGSLDKNAK						Mascot
		1330.6494	1330.6335	-0.0159	-12	130	141	LHCSMLAEDAIK						Mascot
		1974.9735	1975.0669	0.0934	47	49	68	NAKNVGTGLVGAPACGD VMK				Carbamidomethyl (C)[15], Oxidation (M)[19]		Mascot
		2194.1611	2194.0354	-0.1257	-57	122	141	ELSLPPVKLHCSMLAEDA IK						Mascot
34	novel protein similar to vertebrate golgi associated, gamma adaptin ear containing, ARF binding pro					gi 169158149		76674.1	5.35	5	31	0	21	0
Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
		842.5458	842.4929	-0.0529	-63	177	183	RLAELLK						Mascot
		1127.6055	1127.5524	-0.0531	-47	41	50	ELEGPQISVR	21		0			Mascot
		1127.6055	1127.5524	-0.0531	-47	41	50	ELEGPQISVR						Mascot
		2384.2126	2383.8892	-0.3234	-136	296	318	IVEGQTIVIDVPASTPSGC INDR						Mascot
		2559.1692	2559.1748	0.0056	2	265	288	LATETEDDDSALGDILHA SDDLRS						Mascot
		2559.2144	2559.1748	-0.0396	-15	2	24	IMADPEGESLESWLNKAT NPSNR						Mascot
35	PREDICTED: hypothetical protein LOC100534893 [Danio rerio]					gi 326669436		168844.3	8.85	16	31	0		
Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
		842.4227	842.4929	0.0702	83	299	305	ENRPNGR						Mascot
		1045.5411	1045.5433	0.0022	2	1154	1162	DEVEIAEIK						Mascot
		1118.5688	1118.634	0.0652	58	929	940	LTAGDPSAASK						Mascot
		1330.7438	1330.6335	-0.1103	-83	360	372	AQGAQIASTIKSR						Mascot
		1354.6208	1354.6934	0.0726	54	1430	1441	GYQGFPCEANLR						Mascot
		1354.7325	1354.6934	-0.0391	-29	1466	1477	TPETLQTTPRSK						Mascot
		1473.7908	1473.8102	0.0194	13	573	586	NAQDAKIASVIESK						Mascot
		1473.7908	1473.8102	0.0194	13	573	586	NAQDAKIASVIESK						Mascot
		1557.7444	1557.7168	-0.0276	-18	1234	1248	GLSDAGGWGSKFYGR						Mascot
		1573.8367	1573.7124	-0.1243	-79	1163	1177	RSAGDEAQVCLAIK						Mascot
		1605.7153	1605.7881	0.0728	45	825	837	HADNKHVDFDDHR						Mascot

1688.845	1688.8339	-0.0111	-7	467	481	TDIKQTENPSVNTNK							Mascot
1720.8357	1720.9137	0.078	45	452	466	VQDVPMTSSRNIMDK							Mascot
2110.0344	2110.0537	0.0193	9	846	865	VKILPHSCGNDVNVDT GER							Mascot
2536.1653	2536.1211	-0.0442	-17	523	545	CASEELEISQSAKITSAM EHGNK	Carbamidomethyl (C)[1], Oxidation (M)[18]						Mascot
2871.3232	2871.394	0.0708	25	307	331	EEMVIESGTSVKETEVSQ MVSETEQR	Oxidation (M)[3]						Mascot
2871.3232	2871.394	0.0708	25	307	331	EEMVIESGTSVKETEVSQ MVSETEQR	Oxidation (M)[3]						Mascot
2928.4646	2928.3816	-0.083	-28	1442	1465	VFEQFQIQHQCNYFCGLL NLRSLK							Mascot
2928.4646	2928.3816	-0.083	-28	1442	1465	VFEQFQIQHQCNYFCGLL NLRSLK							Mascot

36 PREDICTED: si:dkey-170m15.2 [Danio rerio] gi|292624792 132327.3 7.37 14 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
939.4968	939.5073	0.0105	11	75	83	DCPLVAPPK					Mascot
996.5182	996.5761	0.0579	58	75	83	DCPLVAPPK			Carbamidomethyl (C)[2]		Mascot
1045.516	1045.5433	0.0273	26	98	106	QTNITDEPK					Mascot
1095.5503	1095.5037	-0.0466	-43	1127	1135	EAFQSCILK			Carbamidomethyl (C)[6]		Mascot
1165.6034	1165.7202	0.1168	100	440	449	FCEQAVTIVR					Mascot
1548.7838	1548.9131	0.1293	83	1127	1139	EAFQSCILKEQPR					Mascot
1605.8053	1605.7881	-0.0172	-11	1127	1139	EAFQSCILKEQPR			Carbamidomethyl (C)[6]		Mascot
1638.7507	1638.6833	-0.0674	-41	847	860	EGNDQHPTDTLPHK					Mascot
1707.8846	1707.7482	-0.1364	-80	436	449	ESLRFCEQAVTIVR			Carbamidomethyl (C)[6]		Mascot
1974.9919	1975.0669	0.075	38	700	719	GGYTFVAEAHTGDVPVIG GK					Mascot
2039.9148	2039.9558	0.041	20	1142	1158	MEEKPMETVEQVETESK			Oxidation (M)[1]		Mascot
2264.208	2263.9163	-0.2917	-129	399	418	HVLQVHTNASLAVHLHLC SK			Carbamidomethyl (C)[18]		Mascot
2283.1875	2283.125	-0.0625	-27	663	682	MFSPIPVCILHVINNDTLE K					Mascot
2536.1013	2536.1211	0.0198	8	605	626	HMVTNGEGIAELYPCRE DECNR					Mascot
2680.2454	2680.2212	-0.0242	-9	891	914	NEMRVFGDILDGTSMPPV GTDQQNR					Mascot
3275.7019	3275.4758	-0.2261	-69	274	305	TSHFTNSISSRLSAAALS YTVASTHSVAALPK					Mascot

37 Ppp4r2a protein [Danio rerio] gi|156230689 49479.9 4.37 8 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	850.4199	850.527	0.1071	126	172	179	KGSSCVNR										Mascot
	1045.5598	1045.5433	-0.0165	-16	134	142	LCELLTEPK										Mascot
	1174.6506	1174.553	-0.0976	-83	77	85	SYFLFKLEK										Mascot
	1707.837	1707.7482	-0.0888	-52	27	41	HTSTMEIDTLLGAFR						Oxidation (M)[5]				Mascot
	1743.8734	1743.7939	-0.0795	-46	50	64	ESCPILDQFLSHVAK						Carbamidomethyl (C)[3]				Mascot
	2211.075	2211.053	-0.022	-10	27	45	HTSTMEIDTLLGAFRDFE K										Mascot
	2606.2014	2606.1165	-0.0849	-33	92	114	ASCPEQRGPANPNVEYI PFEEMK										Mascot
	2663.2229	2663.3643	0.1414	53	92	114	ASCPEQRGPANPNVEYI PFEEMK						Carbamidomethyl (C)[3]				Mascot
	2663.2229	2663.3643	0.1414	53	92	114	ASCPEQRGPANPNVEYI PFEEMK						Carbamidomethyl (C)[3]				Mascot
	3338.6633	3338.6826	0.0193	6	180	210	MNGVMFPGNTSAFPDRN VNGPGTPRPLNRPK										Mascot
38	PREDICTED: interferon-induced very large GTPase 1-like [Danio rerio]						gi 326665761	191677.2	6.42	17	30	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
842.473	842.4929	0.0199	24	920	927	SIISHASK						Mascot
1045.5887	1045.5433	-0.0454	-43	613	621	QAELEKISK						Mascot
1051.5419	1051.6887	0.1468	140	1623	1630	NLEQKYEK						Mascot
1108.5746	1108.5502	-0.0244	-22	1390	1398	SFIRDEVSR						Mascot
1108.5746	1108.5502	-0.0244	-22	1390	1398	SFIRDEVSR						Mascot
1118.4823	1118.634	0.1517	136	1020	1028	NSMSEFFEK						Mascot
1127.6532	1127.5524	-0.1008	-89	1060	1068	KLNDILQQR	4		0			Mascot
1127.6532	1127.5524	-0.1008	-89	1060	1068	KLNDILQQR						Mascot
1380.5332	1380.7235	0.1903	138	460	470	VDEEDDEDCRR						Mascot
2039.9895	2039.9558	-0.0337	-17	275	292	AETPMVFFFRFGSVSSS K			Oxidation (M)[5]			Mascot
2110.0459	2110.0537	0.0078	4	318	336	SRVLMDGVEIAWF CPS GK			Oxidation (M)[5]			Mascot
2194.0129	2194.0354	0.0225	10	198	216	IDPMDVQMAVFHCADGF LK			Carbamidomethyl (C)[13]			Mascot
2225.1033	2225.0657	-0.0376	-17	293	310	SHLMNSLINEKHNTFFHR						Mascot
2264.1016	2263.9163	-0.1853	-82	829	848	LYPSCVFVHQNVSDITAG EK			Carbamidomethyl (C)[5]			Mascot
2536.2791	2536.1211	-0.158	-62	1255	1275	YEFKNEFFVELVLSICNG SIK			Carbamidomethyl (C)[16]			Mascot
2606.1333	2606.1165	-0.0168	-6	341	362	FNNCVAF CNLHGDAGEH EKQMK			Carbamidomethyl (C)[4,8]			Mascot
2871.3372	2871.394	0.0568	20	198	222	IDPMDVQMAVFHCADGF LKQMMVTK			Oxidation (M)[4]			Mascot
2871.3372	2871.394	0.0568	20	198	222	IDPMDVQMAVFHCADGF LKQMMVTK			Oxidation (M)[4]			Mascot
2928.3584	2928.3816	0.0232	8	198	222	IDPMDVQMAVFHCADGF			Carbamidomethyl (C)[13], Oxidation (M)[4]			Mascot

	2928.3584	2928.3816	0.0232	8	198	222	LKQMMVTK IDPMDVQMAVFHCADGF LKQMMVTK		Carbamidomethyl (C)[13], Oxidation (M)[4]	Mascot
	3337.7024	3337.6738	-0.0286	-9	387	414	IIQELFTNPKPLICLFTEDD SNIFELEER			Mascot
	3366.6306	3366.4951	-0.1355	-40	128	155	YTLQTVESCAEEELVPTF LQKLLMMDYR		Oxidation (M)[24]	Mascot
	3366.6306	3366.4951	-0.1355	-40	128	155	YTLQTVESCAEEELVPTF LQKLLMMDYR		Oxidation (M)[24]	Mascot

39 PREDICTED: coiled-coil domain-containing protein 42 like-2-like [Danio rerio] gi|326667730 29260.3 8.67 6 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1380.7556	1380.7235	-0.0321	-23	123	133	TKLELMQYINK					Mascot
1564.8304	1564.8866	0.0562	36	189	200	NIYQMIITHYIR					Mascot
1720.9315	1720.9137	-0.0178	-10	189	201	NIYQMIITHYIRR					Mascot
2022.0953	2021.9862	-0.1091	-54	185	200	TTVRNIYQMIITHYIR					Mascot
2216.1492	2215.9321	-0.2171	-98	89	107	FENPCQVIDRIQALQSINK					Mascot
2928.3542	2928.3816	0.0274	9	1	26	MDNVFSGLVFGSTLMSF SPYKENDAR			Oxidation (M)[1]		Mascot
2928.3542	2928.3816	0.0274	9	1	26	MDNVFSGLVFGSTLMSF SPYKENDAR			Oxidation (M)[1]		Mascot

40 Ppp4r2a protein [Danio rerio] gi|38173867 48758.5 4.37 8 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4199	850.527	0.1071	126	165	172	KGSSCVNR					Mascot
1045.5598	1045.5433	-0.0165	-16	127	135	LCELLTEPK					Mascot
1174.6506	1174.553	-0.0976	-83	70	78	SYFLFKLEK					Mascot
1707.837	1707.7482	-0.0888	-52	20	34	HTSTMEIDTLLGAFR			Oxidation (M)[5]		Mascot
1743.8734	1743.7939	-0.0795	-46	43	57	ESCPILDQFLSHVAK			Carbamidomethyl (C)[3]		Mascot
2211.075	2211.053	-0.022	-10	20	38	HTSTMEIDTLLGAFRDFE K					Mascot
2606.2014	2606.1165	-0.0849	-33	85	107	ASCPEQRGPANPNVEYI PFEEMK					Mascot
2663.2229	2663.3643	0.1414	53	85	107	ASCPEQRGPANPNVEYI PFEEMK			Carbamidomethyl (C)[3]		Mascot
2663.2229	2663.3643	0.1414	53	85	107	ASCPEQRGPANPNVEYI PFEEMK			Carbamidomethyl (C)[3]		Mascot
3338.6633	3338.6826	0.0193	6	173	203	MNGVMFPGNTSAFPDRN VNGPGTPRPLNRPK					Mascot

41 PREDICTED: patatin-like phospholipase domain-containing protein 4-like [Danio rerio] gi|326664037 11777 9.03 4 29 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1974.9987	1975.0669	0.0682	35	37	57	ACAGASAGALVAAMIITA PDK			Carbamidomethyl (C)[2], Oxidation (M)[14]	Mascot
2087.0378	2086.842	-0.1958	-94	74	91	SQRFGAVTPGYDFMLEL R				Mascot
2559.3884	2559.1748	-0.2136	-83	31	57	LLSSLKACAGASAGALVA AMIITAPDK			Oxidation (M)[20]	Mascot
2559.3884	2559.1748	-0.2136	-83	31	57	LLSSLKACAGASAGALVA AMIITAPDK			Oxidation (M)[20]	Mascot
2663.4741	2663.3643	-0.1098	-41	1	26	MVVNVSFAAAGFLGAYH LGVAKALLK			Oxidation (M)[1]	Mascot
2663.4741	2663.3643	-0.1098	-41	1	26	MVVNVSFAAAGFLGAYH LGVAKALLK			Oxidation (M)[1]	Mascot
42	Zgc:55395 protein [Danio rerio]			gi 159155715		38358.6	8.55	8	29	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
882.577	882.5476	-0.0294	-33	308	316	GLPKLGIGK				Mascot
1380.5704	1380.7235	0.1531	111	1	11	MPVQCSNCEQK			Carbamidomethyl (C)[5,8]	Mascot
1548.8632	1548.9131	0.0499	32	83	96	LLLLSVDEGITGYR				Mascot
1564.7272	1564.8866	0.1594	102	191	206	CTAISTSSEGDGAIPR				Mascot
1707.9752	1707.7482	-0.227	-133	62	76	DSTVLAHVIKLLNER				Mascot
1720.8282	1720.9137	0.0855	50	190	206	RCTAISTSSEGDGAIPR				Mascot
2110.1501	2110.0537	-0.0964	-46	50	71	GETVAIGASGGKSTVLA HVIK				Mascot
2248.106	2247.9194	-0.1866	-83	191	211	CTAISTSSEGDGAIPRCK PLK			Carbamidomethyl (C)[1,17]	Mascot
43	PREDICTED: zinc finger protein 135-like, partial [Danio rerio]			gi 326668043		50492.5	9.56	11	29	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1330.5588	1330.6335	0.0747	56	402	412	EKPFTCTCCGK			Carbamidomethyl (C)[6,8]	Mascot
1557.759	1557.7168	-0.0422	-27	245	257	SFNQPSNLNLHMR				Mascot
1573.754	1573.7124	-0.0416	-26	245	257	SFNQPSNLNLHMR			Oxidation (M)[12]	Mascot
1688.7883	1688.8339	0.0456	27	202	216	VHTGEKPFTCPQCGK			Carbamidomethyl (C)[10]	Mascot
1720.7604	1720.9137	0.1533	89	402	415	EKPFTCTCCGKSFR			Carbamidomethyl (C)[6,8]	Mascot
2039.979	2039.9558	-0.0232	-11	370	387	IHTGEKPFTCTQCGKSFR				Mascot
2086.9731	2086.842	-0.1311	-63	227	244	HMRIHTGEKPFTCNQCG K				Mascot

2663.2122	2663.3643	0.1521	57	109	132	SSSLNLHIMSHNGEKPFTCTQCGR	Oxidation (M)[9]	Mascot
2663.2122	2663.3643	0.1521	57	109	132	SSSLNLHIMSHNGEKPFTCTQCGR	Oxidation (M)[9]	Mascot
2680.2542	2680.2212	-0.033	-12	87	108	HMRIHTGEKPFTCTQCGTSFIR	Carbamidomethyl (C)[13,16], Oxidation (M)[2]	Mascot
2697.1714	2697.1252	-0.0462	-17	11	33	KPFTCTQCGNSFNSSSHLNQHMR	Carbamidomethyl (C)[5], Oxidation (M)[22]	Mascot
2697.1714	2697.1252	-0.0462	-17	11	33	KPFTCTQCGNSFNSSSHLNQHMR	Carbamidomethyl (C)[5], Oxidation (M)[22]	Mascot
3337.5525	3337.6738	0.1213	36	273	300	NFIHSSHLNEHMRITGEEKPFTCTQCGR	Carbamidomethyl (C)[23]	Mascot
3366.5676	3366.4951	-0.0725	-22	258	285	IHTGEKPFTCTQCGKNFIHSSHLNEHMR	Carbamidomethyl (C)[10,13]	Mascot
3366.5676	3366.4951	-0.0725	-22	258	285	IHTGEKPFTCTQCGKNFIHSSHLNEHMR	Carbamidomethyl (C)[10,13]	Mascot

44 Golgi associated, gamma adaptin ear containing, ARF binding protein 3 [Danio rerio] gi|190340128 76353 5.35 4 29 0 21 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5458	842.4929	-0.0529	-63	175	181	RLAELLK					Mascot
1127.6055	1127.5524	-0.0531	-47	39	48	ELEGPQISVR	21	0			Mascot
1127.6055	1127.5524	-0.0531	-47	39	48	ELEGPQISVR					Mascot
2384.2126	2383.8892	-0.3234	-136	294	316	IVEGQTIVIDVPASTPSGCINDR					Mascot
2559.1692	2559.1748	0.0056	2	263	286	LATETEDDDSALGDILHASDDLRS					Mascot
2559.1692	2559.1748	0.0056	2	263	286	LATETEDDDSALGDILHASDDLRS					Mascot

45 novel protein [Danio rerio] gi|94733564 88236.8 8.75 10 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4842	842.4929	0.0087	10	556	562	IVDPSRR					Mascot
900.4825	900.4632	-0.0193	-21	517	523	LINSYYK					Mascot
1473.6501	1473.8102	0.1601	109	499	510	WSYKEICMGNDK					Mascot
1473.6501	1473.8102	0.1601	109	499	510	WSYKEICMGNDK					Mascot
1534.7179	1534.6222	-0.0957	-62	179	192	NPVAMVHANDGTHR			Oxidation (M)[5]		Mascot
1620.8091	1620.7225	-0.0866	-53	511	523	TCSFPLKINSYYK			Carbamidomethyl (C)[2]		Mascot
2233.0151	2233.0376	0.0225	10	399	417	MFCGDVGQNKYEVDLIEK			Oxidation (M)[1]		Mascot
2283.0222	2283.125	0.1028	45	43	61	RFHHIMDYFDHTGFTACGK					Mascot
2559.1697	2559.1748	0.0051	2	44	64	FHHIMDYFDHTGFTACGYIR					Mascot
2559.1697	2559.1748	0.0051	2	44	64	FHHIMDYFDHTGFTACGK					Mascot

[illegible]

	1363.7018	1363.6482	-0.0536	-39	648	658	QTWPHWKGPARG			Mascot	
	1473.713	1473.8102	0.0972	66	644	654	MLCKQTWPHWK	Oxidation (M)[1]		Mascot	
	1473.713	1473.8102	0.0972	66	644	654	MLCKQTWPHWK	Oxidation (M)[1]		Mascot	
	1548.8679	1548.9131	0.0452	29	747	759	IRCSALVQSFIR	Carbamidomethyl (C)[3]		Mascot	
	1557.8417	1557.7168	-0.1249	-80	698	710	RQCLEDLAALIQK	Carbamidomethyl (C)[3]		Mascot	
	2194.0886	2194.0354	-0.0532	-24	278	296	LGNIEFKPESRVNGFDES R			Mascot	
	2264.0876	2263.9163	-0.1713	-76	776	794	CEEAVTTISAYWHGTQV RR	Carbamidomethyl (C)[1]		Mascot	
	2384.1716	2383.8892	-0.2824	-118	496	515	FLTDHSLPHNCFRIQHYA GK			Mascot	
	2536.293	2536.1211	-0.1719	-68	659	681	EGVEVLSDLQVPAAEFK YGRSK			Mascot	
	2853.3645	2853.3992	0.0347	12	451	475	NGILAMLDEECLRPGTVT DETFLDK	Carbamidomethyl (C)[11], Oxidation (M)[6]		Mascot	
	3366.7058	3366.4951	-0.2107	-63	5	34	TSLLDNMIGVGDMVLLEP LSEESFIENLKK	Oxidation (M)[7, 13]		Mascot	
	3366.7058	3366.4951	-0.2107	-63	5	34	TSLLDNMIGVGDMVLLEP LSEESFIENLKK	Oxidation (M)[7, 13]		Mascot	
48	protein phosphatase 1 regulatory subunit 7 [Danio rerio] gi82658210						39360.8	4.94	1	19	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1127.6969	1127.5524	-0.1445	-128	327	336	KIMLALPSVR	19	0		3	Mascot

49	PREDICTED: sushi, nidogen and EGF-like domains 1 [Danio rerio]	gi 326668662	146125.5	5.54	1	19	0
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Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence	Ion Score	C. I. % Modification	Rank	Result Type
1127.5084	1127.5524	0.044	39	1270	1277 RCELYCQR	19	0 Carbamidomethyl (C)[6]	4	Mascot

50	exosome component 10 [Danio rerio]	qi 210147550	102307.6	8.64	1	17	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1108.6473	1108.5502	-0.0971	-88	645	655	KSVHGLTAPAK	17	0		2	Mascot

Gel Idx/Pos	185/H12	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
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Peptide Information										Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification		
803.3794	803.3616	-0.0178	-22	366	372	GHSFEAR					Mascot
902.4875	902.4664	-0.0211	-23	532	538	LNVLQCR			Carbamidomethyl (C)[6]		Mascot
973.5101	973.4905	-0.0196	-20	424	431	LVVWGEDR					Mascot
973.5101	973.4905	-0.0196	-20	424	431	LVVWGEDR	46	99.31			Mascot
1058.5887	1058.5662	-0.0225	-21	531	538	RLNVLQCR			Carbamidomethyl (C)[7]		Mascot
1082.5112	1082.4855	-0.0257	-24	62	71	SVAVYSADAR					Mascot
1325.7423	1325.7146	-0.0277	-21	355	365	LPLSQEQIELR	52	99.854			Mascot
1325.7423	1325.7146	-0.0277	-21	355	365	LPLSQEQIELR					Mascot
1563.8376	1563.8031	-0.0345	-22	272	286	IIEEAPGPGISPEVR					Mascot
1563.8376	1563.8031	-0.0345	-22	272	286	IIEEAPGPGISPEVR	102	100			Mascot
1584.8744	1584.8403	-0.0341	-22	131	145	QEGIIFIGPPSSAIR	130	100			Mascot
1584.8744	1584.8403	-0.0341	-22	131	145	QEGIIFIGPPSSAIR					Mascot
1728.7823	1728.7454	-0.0369	-21	515	530	EQTSDVFSPPASSNGR					Mascot
1844.8773	1844.8348	-0.0425	-23	204	219	IAQSEAEFHEQLESAR					Mascot
1844.8773	1844.8348	-0.0425	-23	204	219	IAQSEAEFHEQLESAR	119	100			Mascot
1881.0439	1880.9956	-0.0483	-26	349	365	VAAGEKLPLSQEQIELR					Mascot
2000.9784	2000.9335	-0.0449	-22	204	220	IAQSEAEFHEQLESARR					Mascot
2047.9468	2047.9043	-0.0425	-21	513	530	YREQTSDVFSPPASSNGR					Mascot
2117.9807	2117.9324	-0.0483	-23	549	568	VAVSITYNPDGTYSMETGGR					Mascot
2133.9756	2133.9275	-0.0481	-23	549	568	VAVSITYNPDGTYSMETGGR			Oxidation (M)[15]		Mascot
2371.1353	2371.0811	-0.0542	-23	242	261	HVEVQVFGDQYGDVYLFER	149	100			Mascot
2371.1353	2371.0811	-0.0542	-23	242	261	HVEVQVFGDQYGDVYLFER					Mascot
2439.1357	2439.0789	-0.0568	-23	155	177	HIMSAAGVPIIEGYHGDDQSDAR					Mascot
2455.1306	2455.083	-0.0476	-19	155	177	HIMSAAGVPIIEGYHGDDQSDAR			Oxidation (M)[3]		Mascot
2580.3127	2580.2556	-0.0571	-22	327	348	LQVEHPVSEMITGTDLVEWQLR					Mascot
2580.3127	2580.2556	-0.0571	-22	327	348	LQVEHPVSEMITGTDLVEWQLR	112	100			Mascot
2596.3076	2596.2539	-0.0537	-21	327	348	LQVEHPVSEMITGTDLVEWQLR	51	99.805	Oxidation (M)[10]		Mascot
2596.3076	2596.2539	-0.0537	-21	327	348	LQVEHPVSEMITGTDLVEWQLR			Oxidation (M)[10]		Mascot
2657.1936	2657.1265	-0.0671	-25	107	130	SSAQAVHPGYGFLSENT EFAEQCK			Carbamidomethyl (C)[23]		Mascot

	3218.5093	3218.5154	0.0061	2	539	568	NMSLQLGDNKVAVSITYN PDGTYSMETGGR										Mascot
	3218.5864	3218.5154	-0.071	-22	373	402	IYAEDPNNNPLPGAGPLL HLSTPPGDQNTR	137	100								Mascot
2	hypothetical protein LOC777632 [Danio rerio]				gi 118150458		77993.3	6.12	18	943	100	847	100				

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
803.3794	803.3616	-0.0178	-22	366	372	GHSFEAR							Mascot
902.4875	902.4664	-0.0211	-23	532	538	LNVLQCR				Carbamidomethyl (C)[6]			Mascot
973.5101	973.4905	-0.0196	-20	424	431	LVVWGEDR							Mascot
973.5101	973.4905	-0.0196	-20	424	431	LVVWGEDR	46	99.31					Mascot
1058.5887	1058.5662	-0.0225	-21	531	538	RLNVLQCR				Carbamidomethyl (C)[7]			Mascot
1082.5112	1082.4855	-0.0257	-24	62	71	SVAVYSADAR							Mascot
1325.7423	1325.7146	-0.0277	-21	355	365	LPLSQEQIELR	52	99.854					Mascot
1325.7423	1325.7146	-0.0277	-21	355	365	LPLSQEQIELR							Mascot
1563.8376	1563.8031	-0.0345	-22	272	286	IIEEAPGPGISPEVR							Mascot
1563.8376	1563.8031	-0.0345	-22	272	286	IIEEAPGPGISPEVR	102	100					Mascot
1584.8744	1584.8403	-0.0341	-22	131	145	QEGIIFIGPPSSAIR	130	100					Mascot
1584.8744	1584.8403	-0.0341	-22	131	145	QEGIIFIGPPSSAIR							Mascot
1728.7823	1728.7454	-0.0369	-21	515	530	EQTSDVFSPFASSNGR							Mascot
1844.8773	1844.8348	-0.0425	-23	204	219	IAQSEAEFHEQLESAR							Mascot
1844.8773	1844.8348	-0.0425	-23	204	219	IAQSEAEFHEQLESAR	119	100					Mascot
1881.0439	1880.9956	-0.0483	-26	349	365	VAAGEKLPLSQEQIELR							Mascot
2000.9784	2000.9335	-0.0449	-22	204	220	IAQSEAEFHEQLESARR							Mascot
2047.9468	2047.9043	-0.0425	-21	513	530	YREQTSDVFSPFASSNGR							Mascot
2371.1353	2371.0811	-0.0542	-23	242	261	HVEVQVFGDQYGDAVYL FER	149	100					Mascot
2371.1353	2371.0811	-0.0542	-23	242	261	HVEVQVFGDQYGDAVYL FER							Mascot
2439.1357	2439.0789	-0.0568	-23	155	177	HIMSAAGVPIIEGYHGDD QSDAR							Mascot
2455.1306	2455.083	-0.0476	-19	155	177	HIMSAAGVPIIEGYHGDD QSDAR				Oxidation (M)[3]			Mascot
2580.3127	2580.2556	-0.0571	-22	327	348	LQVEHPVSEMITGTDLVE WQLR							Mascot
2580.3127	2580.2556	-0.0571	-22	327	348	LQVEHPVSEMITGTDLVE WQLR	112	100					Mascot
2596.3076	2596.2539	-0.0537	-21	327	348	LQVEHPVSEMITGTDLVE WQLR	51	99.805	Oxidation (M)[10]				Mascot
2596.3076	2596.2539	-0.0537	-21	327	348	LQVEHPVSEMITGTDLVE WQLR				Oxidation (M)[10]			Mascot
2657.1936	2657.1265	-0.0671	-25	107	130	SSAQAVHPGYGFLSENT EFAEQCK				Carbamidomethyl (C)[23]			Mascot

3218.5864	3218.5154	-0.071	-22	373	402	YAEDPNNNFLPGAGPLL HLSTPPGDQNTR	137	100					Mascot
3218.5864	3218.5154	-0.071	-22	373	402	YAEDPNNNFLPGAGPLL HLSTPPGDQNTR							Mascot

3 hypothetical protein LOC559969 [Danio rerio] gi|113678532 77970.3 6.17 20 828 100 710 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
803.3794	803.3616	-0.0178	-22	366	372	GHSFEAR					Mascot
902.4875	902.4664	-0.0211	-23	532	538	LNVLQCR			Carbamidomethyl (C)[6]		Mascot
973.5101	973.4905	-0.0196	-20	424	431	LVVWGEDR					Mascot
973.5101	973.4905	-0.0196	-20	424	431	LVVWGEDR	46	99.31			Mascot
1058.5887	1058.5662	-0.0225	-21	531	538	RLNVLQCR			Carbamidomethyl (C)[7]		Mascot
1082.5112	1082.4855	-0.0257	-24	62	71	SVAVYSADAR					Mascot
1325.7423	1325.7146	-0.0277	-21	355	365	LPLSQEQIELR	52	99.854			Mascot
1325.7423	1325.7146	-0.0277	-21	355	365	LPLSQEQIELR					Mascot
1563.8376	1563.8031	-0.0345	-22	272	286	IIEEAPGPGISPEVR					Mascot
1563.8376	1563.8031	-0.0345	-22	272	286	IIEEAPGPGISPEVR	102	100			Mascot
1584.8744	1584.8403	-0.0341	-22	131	145	QEGIIFIGPPSSAIR	130	100			Mascot
1584.8744	1584.8403	-0.0341	-22	131	145	QEGIIFIGPPSSAIR					Mascot
1728.7823	1728.7454	-0.0369	-21	515	530	EQTSDVFSPPASSNGR					Mascot
1844.8773	1844.8348	-0.0425	-23	204	219	IAQSEAEFHEQLESAR					Mascot
1844.8773	1844.8348	-0.0425	-23	204	219	IAQSEAEFHEQLESAR	119	100			Mascot
1881.0439	1880.9956	-0.0483	-26	349	365	VAAGEKLPLSQEQIELR					Mascot
2000.9784	2000.9335	-0.0449	-22	204	220	IAQSEAEFHEQLESARR					Mascot
2047.9468	2047.9043	-0.0425	-21	513	530	YREQTSDVFSPPASSNGR					Mascot
2117.9807	2117.9324	-0.0483	-23	549	568	VAVSITYNPDGTYSMETGGR					Mascot
2133.9756	2133.9275	-0.0481	-23	549	568	VAVSITYNPDGTYSMETGGR			Oxidation (M)[15]		Mascot
2371.1353	2371.0811	-0.0542	-23	242	261	HVEVQVFGDQYGDVYLFER	149	100			Mascot
2371.1353	2371.0811	-0.0542	-23	242	261	HVEVQVFGDQYGDVYLFER					Mascot
2439.1357	2439.0789	-0.0568	-23	155	177	HIMSAAGVPIIEGYHGDDQSDAR					Mascot
2455.1306	2455.083	-0.0476	-19	155	177	HIMSAAGVPIIEGYHGDDQSDAR			Oxidation (M)[3]		Mascot
2580.3127	2580.2556	-0.0571	-22	327	348	LQVEHPVSEMITGTDLVEWQLR					Mascot
2580.3127	2580.2556	-0.0571	-22	327	348	LQVEHPVSEMITGTDLVEWQLR	112	100			Mascot
2596.3076	2596.2539	-0.0537	-21	327	348	LQVEHPVSEMITGTDLVEWQLR	51	99.805	Oxidation (M)[10]		Mascot

	2596.3076	2596.2539	-0.0537	-21	327	348	LQVEHPVSEMITGTDLVE WQLR					Oxidation (M)[10]	Mascot
	2657.1936	2657.1265	-0.0671	-25	107	130	SSAQAVHPGYGFLSENT EFAEQCK					Carbamidomethyl (C)[23]	Mascot
	3218.5093	3218.5154	0.0061	2	539	568	NMSLQLGDNKVAVSITYN PDGTYSMETGGR						Mascot
	3218.5093	3218.5154	0.0061	2	539	568	NMSLQLGDNKVAVSITYN PDGTYSMETGGR						Mascot
	3227.5869	3227.5264	-0.0605	-19	373	402	IYAEDPNNFLPGAGPLL HLSTPPGDHNTR						Mascot
4	PREDICTED: serine/threonine-protein kinase pim-2-like gi 326675052 52407.5 9.24 10 43 0												[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4971	864.4924	-0.0047	-5	1	7	MLRRTVK			Oxidation (M)[1]		Mascot
1325.6089	1325.7146	0.1057	80	159	170	QAVFAAQTCQQR					Mascot
1325.6089	1325.7146	0.1057	80	159	170	QAVFAAQTCQQR					Mascot
1347.7267	1347.6968	-0.0299	-22	143	154	SYVGPIKEDAIR					Mascot
1563.8013	1563.8031	0.0018	1	299	312	EDLSWTKNSTALAK					Mascot
1563.8013	1563.8031	0.0018	1	299	312	EDLSWTKNSTALAK					Mascot
1567.7468	1567.8163	0.0695	44	159	171	QAVFAAQTCQQRK			Carbamidomethyl (C)[9,10]		Mascot
1844.8969	1844.8348	-0.0621	-34	155	170	FIMKQAVFAAQTCQQR					Mascot
1844.8969	1844.8348	-0.0621	-34	155	170	FIMKQAVFAAQTCQQR					Mascot
2192.9331	2193.052	0.1189	54	258	275	IMTKDIEGLSEECDFMR			Carbamidomethyl (C)[13], Oxidation (M)[2]		Mascot
2247.0928	2247.0203	-0.0725	-32	43	63	KYEIGEELGEGGFTVYA ATR					Mascot
2283.2529	2283.1292	-0.1237	-54	8	27	SSLPALHQPFKSQTMLQ LK			Oxidation (M)[16]		Mascot
2657.3328	2657.1265	-0.2063	-78	393	416	KALCITADATHPMHSFFS LLPSGR			Carbamidomethyl (C)[4]		Mascot

5 RNA 3'-terminal phosphate cyclase [Danio rerio] gi|41054721 38740.9 8.3 7 41 0 16 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4244	864.4924	0.068	79	209	216	DMSTAAIR					Mascot
1234.6572	1234.6538	-0.0034	-3	209	219	DMSTAAIRTIR					Mascot
1347.73	1347.6968	-0.0332	-25	22	35	VSAALSCIQGASIK					Mascot
1584.889	1584.8403	-0.0487	-31	272	285	VGIEAAEMLLRNIR	16	0			Mascot
1584.889	1584.8403	-0.0487	-31	272	285	VGIEAAEMLLRNIR					Mascot
2225.1536	2225.0662	-0.0874	-39	139	156	VFKPIVERFGVQFDCDLR			Carbamidomethyl (C)[15]		Mascot
2225.1536	2225.0662	-0.0874	-39	139	156	VFKPIVERFGVQFDCDLR			Carbamidomethyl (C)[15]		Mascot

	2232.9934	2233.0288	0.0354	16	1	21	MAATTFEMDGSMVEGG GQILR						Oxidation (M)[1,8]	Mascot
	2367.0803	2367.2065	0.1262	53	61	83	DMCNGNLEGATVGSSEI TLTPGK						Carbamidomethyl (C)[3], Oxidation (M)[2]	Mascot
6	COMM domain-containing protein 1 [Danio rerio]				gi 113674991		21219.7	5.48	4	40	0	23	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
870.4614	870.5187	0.0573	66	48	54	ALHDKMR						Mascot
1844.8807	1844.8348	-0.0459	-25	174	189	NMAELQESIDSIVHRS				Oxidation (M)[2]		Mascot
1844.8807	1844.8348	-0.0459	-25	174	189	NMAELQESIDSIVHRS	23	0		Oxidation (M)[2]		Mascot
2211.0022	2211.0537	0.0515	23	35	52	NELYAEMTEDEFRLHD K						Mascot
2283.092	2283.1292	0.0372	16	59	79	SIASADMDQAQLEAFLTA QTR				Oxidation (M)[7]		Mascot

7	novel odorant receptor [Danio rerio]				gi 220679255		94990.8	8.66	13	40	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
864.4243	864.4924	0.0681	79	25	33	VSVGNASCK						Mascot
973.4295	973.4905	0.061	63	114	121	IYDTCSSK				Carbamidomethyl (C)[5]		Mascot
973.4295	973.4905	0.061	63	114	121	IYDTCSSK				Carbamidomethyl (C)[5]		Mascot
1051.6219	1051.6892	0.0673	64	666	674	TLLVLMAFK				Oxidation (M)[6]		Mascot
1104.5031	1104.5543	0.0512	46	720	727	NMKYYEEK						Mascot
1213.5405	1213.5719	0.0314	26	244	253	EGICVEYSEK				Carbamidomethyl (C)[4]		Mascot
1434.8202	1434.7355	-0.0847	-59	101	113	SESLPKLSLGYK						Mascot
1567.869	1567.8163	-0.0527	-34	420	433	DLLTQPQQVVDALK						Mascot
1729.8359	1729.7338	-0.1021	-59	173	188	IPVISHAASCECLSSR				Carbamidomethyl (C)[10]		Mascot
2048.1646	2047.9043	-0.2603	-127	666	684	TLLVLMAFKATLPGSNIM K						Mascot
2279.1853	2278.9968	-0.1885	-83	361	379	NDSWVILNCSRYQDLLVL K						Mascot
2283.2239	2283.1292	-0.0947	-41	824	842	CYIILLKPEQNTKQYMLG K						Mascot
2371.1809	2371.0811	-0.0998	-42	413	433	EQEGCEKDLLTQPQQVV DALK						Mascot
2371.1809	2371.0811	-0.0998	-42	413	433	EQEGCEKDLLTQPQQVV DALK						Mascot
3337.5483	3337.6785	0.1302	39	214	243	HLGWSWVGAVNSDNDY GNYGMAIFLNTAHK						Mascot

8	novel protein similar to Janus kinase family (a protein tyrosine kinase, leukocyte) [Danio rerio]				gi 169145296		125997.7	6.83	15	40	0		
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Peptide Information							Ion Score	C. I.	% Modification	Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence					
803.437	803.3616	-0.0754	-94	538	544	GSKIDQR					Mascot
850.4603	850.5243	0.064	75	399	405	NGMFLLR					Mascot
856.3981	856.5068	0.1087	127	882	889	GICYSTGR					Mascot
864.4825	864.4924	0.0099	11	959	966	IADFGLTK					Mascot
1058.5629	1058.5662	0.0033	3	115	123	ASYRFSLSK					Mascot
1179.5277	1179.5769	0.0492	42	806	814	QQEDVFEER					Mascot
1316.6692	1316.6663	-0.0029	-2	1088	1098	DLIENSLDER					Mascot
1475.7094	1475.7168	0.0074	5	308	319	RLCQEQMPLER			Oxidation (M)[7]		Mascot
2001.0685	2000.9335	-0.135	-67	666	684	LSDPGVSMALLGKDVLDR					Mascot
2118.1416	2117.9324	-0.2092	-99	597	614	NIMVQEFVKHGALDLYLK					Mascot
2134.1365	2133.9275	-0.209	-98	597	614	NIMVQEFVKHGALDLYLK			Oxidation (M)[3]		Mascot
2193.1108	2193.052	-0.0588	-27	658	678	EGDSPFIKLSDPGVMSLLGK			Oxidation (M)[16]		Mascot
2211.0791	2211.0537	-0.0254	-11	290	307	QEWQTFCDFPQIIDISIK					Mascot
2225.0115	2225.0662	0.0547	25	564	582	NCWESLFEAASLSMSQISHR			Oxidation (M)[13]		Mascot
2225.0115	2225.0662	0.0547	25	564	582	NCWESLFEAASLSMSQISHR			Oxidation (M)[13]		Mascot
2247.1333	2247.0203	-0.113	-50	920	938	LLLFASQICKGMEYLQSMR			Oxidation (M)[12]		Mascot
2263.1284	2263.0032	-0.1252	-55	920	938	LLLFASQICKGMEYLQSMR			Oxidation (M)[12,18]		Mascot
2367.1802	2367.2065	0.0263	11	290	308	QEWQTFCDFPQIIDISIKR					Mascot
BSD domain-containing protein 1 isoform 2 [Danio rerio] gi 147900977							25132	4.28	7	40	0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1213.6211	1213.5719	-0.0492	-41	24	33	SAEAYEFIKR					Mascot
1563.7068	1563.8031	0.0963	62	153	165	EETAREDMAQDLR					Mascot
1563.7068	1563.8031	0.0963	62	153	165	EETAREDMAQDLR					Mascot
1880.8984	1880.9956	0.0972	52	166	183	VFELNSDSGKSTPSNNGK					Mascot
2000.8827	2000.9335	0.0508	25	197	213	DFDLDMTEEEVQMALS					Mascot
2053.9495	2053.9241	-0.0254	-12	158	175	EDMAQDLRVFELNSDSGK					Mascot
2439.1362	2439.0789	-0.0573	-23	2	23	ADGEGGWGWLQSFQSVKDK					Mascot
3337.4246	3337.6785	0.2539	76	185	213	GSSTDVSEDWEKDFDLDMTEEEVQMALS			Oxidation (M)[18]		Mascot

10 PREDICTED: LOW QUALITY PROTEIN: tyrosine-protein kinase JAK2 [Danio rerio] gi|326669956 130087.7 6.55 15 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
803.437	803.3616	-0.0754	-94	538	544	GSKIDQR					Mascot
850.4603	850.5243	0.064	75	399	405	NGMFLLR					Mascot
856.3981	856.5068	0.1087	127	882	889	GICYSTGR					Mascot
864.4825	864.4924	0.0099	11	959	966	IADFGLTK					Mascot
1058.5629	1058.5662	0.0033	3	115	123	ASYRFSLSK					Mascot
1179.5277	1179.5769	0.0492	42	806	814	QQEDVFEER					Mascot
1316.6692	1316.6663	-0.0029	-2	1093	1103	DLIENSLDER					Mascot
1475.7094	1475.7168	0.0074	5	308	319	RLCQEQMPLGR			Oxidation (M)[7]		Mascot
2001.0685	2000.9335	-0.135	-67	666	684	LSDPGVSMSELLGKDVVLDR					Mascot
2118.1416	2117.9324	-0.2092	-99	597	614	NIMVQEFVKHGALDLYLK					Mascot
2134.1365	2133.9275	-0.209	-98	597	614	NIMVQEFVKHGALDLYLK			Oxidation (M)[3]		Mascot
2193.1108	2193.052	-0.0588	-27	658	678	EGDSPFIKLSDPGVMSMLGK			Oxidation (M)[16]		Mascot
2211.0791	2211.0537	-0.0254	-11	290	307	QEWQTFCDFPQIIDISIK					Mascot
2225.0115	2225.0662	0.0547	25	564	582	NCWESLFEAASLSMQISHR			Oxidation (M)[13]		Mascot
2225.0115	2225.0662	0.0547	25	564	582	NCWESLFEAASLSMQISHR			Oxidation (M)[13]		Mascot
2247.1333	2247.0203	-0.113	-50	920	938	LLLFASQICKGMEYLQSMR			Oxidation (M)[12]		Mascot
2263.1284	2263.0032	-0.1252	-55	920	938	LLLFASQICKGMEYLQSMR			Oxidation (M)[12,18]		Mascot
2367.1802	2367.2065	0.0263	11	290	308	QEWQTFCDFPQIIDISIKR					Mascot

11 PREDICTED: paxillin-like [Danio rerio] gi|326669829 58290.7 5.95 10 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1584.7284	1584.8403	0.1119	71	244	256	ELEELMACLSDFK			Carbamidomethyl (C)[8]		Mascot
1584.7284	1584.8403	0.1119	71	244	256	ELEELMACLSDFK			Carbamidomethyl (C)[8]		Mascot
1729.7672	1729.7338	-0.0334	-19	516	529	EQNDKPYCQGCFIK			Carbamidomethyl (C)[8]		Mascot
1880.9396	1880.9956	0.056	30	257	274	VQSNIMAQKGKPGHQANK			Oxidation (M)[6]		Mascot
2118.041	2117.9324	-0.1086	-51	495	511	FHPEHFVCAFLKQLNK			Carbamidomethyl (C)[8]		Mascot
2133.9558	2133.9275	-0.0283	-13	341	357	EGQPYCERDYHHLFSPR					Mascot
2225.0657	2225.0662	0.0005	0	473	493	GSLCSGCQKPTIGRCITAMGK			Carbamidomethyl (C)[4,7]		Mascot

	2225.0657	2225.0662	0.0005	0	473	493	GSLCSGCQKPITGRCITAMGK		Carbamidomethyl (C)[4,7]	Mascot
	2263.0261	2263.0032	-0.0229	-10	86	105	DSSPPASRTEEDHVYSFPNK			Mascot
	2297.1118	2297.1343	0.0225	10	3	23	FAFCTDALLADLESSTAHSK		Carbamidomethyl (C)[4]	Mascot
	2298.082	2298.1377	0.0557	24	473	493	GSLCSGCQKPITGRCITAMGK		Carbamidomethyl (C)[4,7,15], Oxidation (M)[19]	Mascot
	2367.27	2367.2065	-0.0635	-27	275	296	LDNMLGSLQSDLHKLGVQTVAK			Mascot
	2657.262	2657.1265	-0.1355	-51	244	266	ELEELMACLSDFKVQSNIMAQ GK		Carbamidomethyl (C)[8], Oxidation (M)[6]	Mascot
12	PREDICTED: collagen alpha-4(VI) chain-like [Danio rerio]				gi 326673140	38361.2	5.51	9	37	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.3879	864.4924	0.1045	121	340	346	RAMQVDE			Oxidation (M)[3]		Mascot
870.4791	870.5187	0.0396	45	114	122	GSSGIKGHK					Mascot
1213.4871	1213.5719	0.0848	70	171	182	KNCACCSGNGTR					Mascot
1316.7169	1316.6663	-0.0506	-38	254	265	QSLLEALNTTAR					Mascot
1584.6451	1584.8403	0.1952	123	84	95	MEEMDMDRLDQR			Oxidation (M)[1]		Mascot
1584.6451	1584.8403	0.1952	123	84	95	MEEMDMDRLDQR			Oxidation (M)[1]		Mascot
1729.8789	1729.7338	-0.1451	-84	232	246	VSVMSYSNESKTLIR			Oxidation (M)[4]		Mascot
2047.9827	2047.9043	-0.0784	-38	153	170	GVPGISPMPECDLVEYIR			Carbamidomethyl (C)[11], Oxidation (M)[8]		Mascot
2118.1062	2117.9324	-0.1738	-82	120	140	GHKGYQGRPGNAGRPGNPGIK					Mascot
2371.1235	2371.0811	-0.0424	-18	210	231	SAAYSLLLEDIFISDTNCPQGAR					Mascot
2371.1235	2371.0811	-0.0424	-18	210	231	SAAYSLLLEDIFISDTNCPQGAR					Mascot

13	DNA mismatch repair protein Msh3 [Danio rerio]				gi 157841276	121710.5	6.91	15	36	0	
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
	842.4981	842.4913	-0.0068	-8	150	156	EEPIKVK				Mascot
	870.4727	870.5187	0.046	53	1	7	MHTAVRR				Mascot
	902.5458	902.4664	-0.0794	-88	1060	1066	LVTQWKK				Mascot
	973.5465	973.4905	-0.056	-58	288	295	QLHALYTK				Mascot
	973.5465	973.4905	-0.056	-58	288	295	QLHALYTK				Mascot
	1106.5437	1106.5333	-0.0104	-9	55	65	LSDGGASTDKR				Mascot
	1179.5535	1179.5769	0.0234	20	895	905	MGASDNISRRG			Oxidation (M)[1]	Mascot
	1234.5739	1234.6538	0.0799	65	157	166	QEFSFSQYAK				Mascot

	1325.7899	1325.7146	-0.0753	-57	95	106	VSISHATLTRLK						Mascot
	1325.7899	1325.7146	-0.0753	-57	95	106	VSISHATLTRLK						Mascot
	1475.7562	1475.7168	-0.0394	-27	713	725	NSMLSIVPADWVK	Oxidation (M)[3]					Mascot
	1728.8473	1728.7454	-0.1019	-59	672	685	EEIESVLLDIMEHR	Oxidation (M)[11]					Mascot
	2001.1127	2000.9335	-0.1792	-90	1021	1038	SYGLNVARLAEIPESILR						Mascot
	2263.1396	2263.0032	-0.1364	-60	778	797	KAVCHLATMDCLFSLAQ VAK	Carbamidomethyl (C)[4,11]					Mascot
	2279.1345	2278.9968	-0.1377	-60	778	797	KAVCHLATMDCLFSLAQ VAK	Carbamidomethyl (C)[4,11], Oxidation (M)[9]					Mascot
	2297.1157	2297.1343	0.0186	8	415	433	ESAMFEYPTALSIKDFYR	Oxidation (M)[4]					Mascot
	2439.1968	2439.0789	-0.1179	-48	340	361	ELTVGMVVVQPSIGDVM VDCFK	Carbamidomethyl (C)[20], Oxidation (M)[6]					Mascot
	2455.1917	2455.083	-0.1087	-44	340	361	ELTVGMVVVQPSIGDVM VDCFK	Carbamidomethyl (C)[20], Oxidation (M)[6,17]					Mascot
	3218.7056	3218.5154	-0.1902	-59	926	955	SLVILDELGRGTSTHDGIA IAYATLESFIR						Mascot
	3218.7056	3218.5154	-0.1902	-59	926	955	SLVILDELGRGTSTHDGIA IAYATLESFIR						Mascot

14 PREDICTED: microtubule-associated protein 6-like [Danio rerio] gi|292621423 42669 9.6 9 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.421	864.4924	0.0714	83	113	119	NQYQPSK					Mascot
973.5173	973.4905	-0.0268	-28	220	228	RSAADALNR					Mascot
973.5173	973.4905	-0.0268	-28	220	228	RSAADALNR					Mascot
1165.7052	1165.7196	0.0144	12	317	326	HNLSLTKPKK					Mascot
1179.6368	1179.5769	-0.0599	-51	300	309	IRSLYSEPSK					Mascot
1234.5984	1234.6538	0.0554	45	201	211	EPVSEASKMEK					Mascot
1316.644	1316.6663	0.0223	17	282	293	GEQAKPQTDDNK					Mascot
1563.7341	1563.8031	0.069	44	2	14	AWPCITRACCINR			Carbamidomethyl (C)[4]		Mascot
1563.7341	1563.8031	0.069	44	2	14	AWPCITRACCINR			Carbamidomethyl (C)[4]		Mascot
1584.7297	1584.8403	0.1106	70	9	21	ACCINRFWSELDK					Mascot
1584.7297	1584.8403	0.1106	70	9	21	ACCINRFWSELDK					Mascot
2001.0538	2000.9335	-0.1203	-60	264	281	LLVGEKTNLETSYSATFK					Mascot

15 PREDICTED: hypothetical protein LOC559994 [Danio rerio] gi|326677062 1030064.3 5.62 46 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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850.5185	850.5243	0.0058	7	8569	8575	IKPFAFK			Mascot
856.5138	856.5068	-0.007	-8	1082	1089	LGIIEPSK			Mascot
864.4321	864.4924	0.0603	70	3272	3278	EERAFIGR			Mascot
870.5559	870.5187	-0.0372	-43	1536	1542	ALLLWVR			Mascot
882.4679	882.5473	0.0794	90	3102	3108	NLHEELK			Mascot
902.4512	902.4664	0.0152	17	4824	4831	TVSISHCR			Mascot
973.5312	973.4905	-0.0407	-42	3727	3735	AKDAALEQK			Mascot
973.5789	973.4905	-0.0884	-91	8219	8226	IQSTQKIR	1	0	Mascot
1045.5636	1045.5409	-0.0227	-22	8277	8285	DLEVRSAQK			Mascot
1058.584	1058.5662	-0.0178	-17	6340	6349	AADLAVLTER			Mascot
1082.5551	1082.4855	-0.0696	-64	8651	8659	MQYISALEK			Mascot
1179.5674	1179.5769	0.0095	8	2826	2835	DMDLLSQSVR		Oxidation (M)[2]	Mascot
1213.6648	1213.5719	-0.0929	-77	69	78	IAELAQQERR			Mascot
1234.6348	1234.6538	0.019	15	3360	3370	EQCASLTELK			Mascot
1316.6593	1316.6663	0.007	5	3905	3916	ISHTSIYHGSSK			Mascot
1325.7899	1325.7146	-0.0753	-57	4060	4071	AKTLQKPQNVAK			Mascot
1325.7899	1325.7146	-0.0753	-57	4060	4071	AKTLQKPQNVAK			Mascot
1347.7123	1347.6968	-0.0155	-12	7311	7322	LAMVMEKSGPLR		Oxidation (M)[3]	Mascot
1434.8467	1434.7355	-0.1112	-77	8569	8580	IKPFAFKLLSDR			Mascot
1475.7522	1475.7168	-0.0354	-24	6801	6813	QEAKILECSVAER			Mascot
1638.9438	1638.8247	-0.1191	-73	3297	3310	HVLKEPTLPALQHR			Mascot
1648.7847	1648.7839	-0.0008	0	7781	7796	MPDTESAKPGKDSGTK			Mascot
1728.7395	1728.7454	0.0059	3	8383	8396	IHDVEDQWQACGDR		Carbamidomethyl (C)[11]	Mascot
1729.869	1729.7338	-0.1352	-78	718	732	SGNRFMLVVTDYATR			Mascot
2000.9818	2000.9335	-0.0483	-24	61	77	MEAQEAQRIELAQQER			Mascot
2047.9866	2047.9043	-0.0823	-40	7014	7030	DQTVHLSHHEEMSQLLK		Oxidation (M)[12]	Mascot
2054.0037	2053.9241	-0.0796	-39	7370	7387	IAELEGEVQDLAEQQPER			Mascot
2118.0496	2117.9324	-0.1172	-55	3987	4005	SSSSKTQEALQHNISEIM K			Mascot
2134.0444	2133.9275	-0.1169	-55	3987	4005	SSSSKTQEALQHNISEIM K		Oxidation (M)[18]	Mascot
2193.0247	2193.052	0.0273	12	8962	8978	DFEWTEEQQLHEGLYR			Mascot
2211.126	2211.0537	-0.0723	-33	8508	8526	MSAAELQTTGVIYRLELC R		Carbamidomethyl (C)[18]	Mascot
2224.9873	2225.0662	0.0789	35	4312	4333	VTDAETSSQIGACAEDNE SGIK			Mascot
2224.9873	2225.0662	0.0789	35	4312	4333	VTDAETSSQIGACAEDNE SGIK			Mascot
2233.0012	2233.0288	0.0276	12	8235	8252	DSTELEEWMRCAHEQLQ K			Mascot
2239.1262	2239.0825	-0.0437	-20	8399	8415	LLRCIHSWISQHMEWVK		Carbamidomethyl (C)[4], Oxidation (M)[13]	Mascot

2247.0305	2247.0203	-0.0102	-5	8357	8376	RLEDESSGVHICALDSSE LSR	Carbamidomethyl (C)[11]	Mascot
2263.124	2263.0032	-0.1208	-53	150	168	LEKLSDGDDVEHFLITFE R		Mascot
2283.1333	2283.1292	-0.0041	-2	7195	7214	ESPQICQDLQSLLGHCRS LR		Mascot
2284.022	2284.1206	0.0986	43	3439	3458	RVLDCDAPFESEADTL MDR		Mascot
2297.1455	2297.1343	-0.0112	-5	8621	8639	VLLNQHWERLGELMNSS DR		Mascot
2298.2559	2298.1377	-0.1182	-51	8671	8691	VMEASKLLIGMQMPQSA PLIK	Oxidation (M)[2]	Mascot
2300.0168	2300.126	0.1092	47	3439	3458	RVLDCDAPFESEADTL MDR	Oxidation (M)[18]	Mascot
2367.1311	2367.2065	0.0754	32	1497	1520	SSSLDSLSSLSDFSGSPA SSPVPR		Mascot
2439.1489	2439.0789	-0.07	-29	8630	8650	LGELMNSSDREENTVEM LISR	Oxidation (M)[5]	Mascot
2455.1438	2455.083	-0.0608	-25	8630	8650	LGELMNSSDREENTVEM LISR	Oxidation (M)[5,17]	Mascot
2532.1858	2532.2136	0.0278	11	8164	8183	LHKILEDTCSQVWETEDC LR	Carbamidomethyl (C)[9,18]	Mascot
2580.2974	2580.2556	-0.0418	-16	6048	6071	AECITQTPTVIPSDLQLSH AEAQK		Mascot
2580.2974	2580.2556	-0.0418	-16	6048	6071	AECITQTPTVIPSDLQLSH AEAQK		Mascot
2596.187	2596.2539	0.0669	26	4718	4742	HTSAESSNEANALQNPP NGGEDTKK		Mascot
2596.2888	2596.2539	-0.0349	-13	6613	6634	WVIEELLHSQESSAEEQN VIQK		Mascot
2657.3967	2657.1265	-0.2702	-102	570	592	LPVNIVMQQEDASLVPI LERAK	Oxidation (M)[8]	Mascot
3227.575	3227.5264	-0.0486	-15	2132	2160	AASLLEGRLAELENWSTE AQEVCQHLSSR		Mascot

Peptide Information

17 growth/differentiation factor 9 [Danio rerio] VKLR gi|59933270 48701.4 8.77 10 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.5032	850.5243	0.0211	25	324	330	VSFKELK					Mascot
1082.5122	1082.4855	-0.0267	-25	8	16	CSALCYLPR			Carbamidomethyl (C)[1]		Mascot
1993.9696	1993.9235	-0.0461	-23	1	16	MATLFFKCSALCYLPR			Carbamidomethyl (C)[8,12], Oxidation (M)[1]		Mascot
2047.9655	2047.9043	-0.0612	-30	116	131	QNREFFMQDISYSLNR					Mascot
2225.156	2225.0662	-0.0898	-40	246	264	SPSLLLYLNDTSEVAYQR					Mascot
2225.156	2225.0662	-0.0898	-40	246	264	SPSLLLYLNDTSEVAYQR					Mascot
2247.2285	2247.0203	-0.2082	-93	195	213	WVEVDVTSFLHPLIAHK					Mascot
2298.1118	2298.1377	0.0259	11	171	190	DQMCSNHLGIQHSVPLL			Oxidation (M)[3]		Mascot
2299.9885	2300.126	0.1375	60	306	323	LVPMYEFTTDDCDLYDFR			Carbamidomethyl (C)[12]		Mascot
2657.2922	2657.1265	-0.1657	-62	168	190	SSKMQMCSNHLGIQHSV			Carbamidomethyl (C)[7], Oxidation (M)[6]		Mascot
3227.5903	3227.5264	-0.0639	-20	141	167	SVLLYSFDHNHLSPFSL					Mascot
						CYLDMKEQK					

18 nucleoside diphosphate-linked moiety X motif 6 [Danio rerio] gi|148237304 36698.5 7.22 8 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4893	850.5243	0.035	41	243	249	LQPLSHR					Mascot
1325.6882	1325.7146	0.0264	20	59	70	LCPPLLAGDVDR			Carbamidomethyl (C)[2]		Mascot
1325.6882	1325.7146	0.0264	20	59	70	LCPPLLAGDVDR			Carbamidomethyl (C)[2]		Mascot
1584.7653	1584.8403	0.075	47	205	217	EVFEETGVRSEFR					Mascot
1584.7653	1584.8403	0.075	47	205	217	EVFEETGVRSEFR					Mascot
1728.7792	1728.7454	-0.0338	-20	43	58	LVSAGSARFCSGCEER			Carbamidomethyl (C)[10]		Mascot
1880.88	1880.9956	0.1156	61	78	93	DFPPDISEEEFSDLLK					Mascot
2000.9867	2000.9335	-0.0532	-27	2	19	VLWIMSAGFCRVSSGLC			Oxidation (M)[5]		Mascot
2247.0435	2247.0203	-0.0232	-10	224	242	QQHTHPGAFGMSDLYLI			Carbamidomethyl (C)[18], Oxidation (M)[11]		Mascot
2297.0735	2297.1343	0.0608	26	250	266	IHICTHECLRCDWDLR			Carbamidomethyl (C)[4,8,11]		Mascot

19 transcription elongation factor B polypeptide 1 [Danio rerio] gi|73088652 12495 4.74 5 35 0

Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		1325.6381	1325.7146	0.0765	58	73	82 VCMYFTYKVR			Oxidation (M)[3]		Mascot
		1325.6381	1325.7146	0.0765	58	73	82 VCMYFTYKVR			Oxidation (M)[3]		Mascot
		1563.6454	1563.8031	0.1577	101	7	20 TYGGCEGPDAMYVK			Carbamidomethyl (C)[5], Oxidation (M)[11]		Mascot
		1563.6454	1563.8031	0.1577	101	7	20 TYGGCEGPDAMYVK			Carbamidomethyl (C)[5], Oxidation (M)[11]		Mascot
		2118.0398	2117.9324	-0.1074	-51	64	80 EIPSHVLSKVCMYFTYK			Carbamidomethyl (C)[11], Oxidation (M)[12]		Mascot
		2211.0134	2211.0537	0.0403	18	44	63 AMLSGPGQFAENETNEV NFR					Mascot
		2282.925	2283.1292	0.2042	89	1	20 MDSEEKTYGGCEGPDA MYVK			Carbamidomethyl (C)[11], Oxidation (M)[1]		Mascot
20	PREDICTED: DNA mismatch repair protein Msh3-like [Danio rerio]						gi 326668008	121301.1	6.7	14	34	0
Peptide Information												
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		870.4727	870.5187	0.046	53	1	7 MHTAVRR					Mascot
		902.5458	902.4664	-0.0794	-88	1060	1066 LVTQWKK					Mascot
		973.5465	973.4905	-0.056	-58	288	295 QLHALYTK					Mascot
		973.5465	973.4905	-0.056	-58	288	295 QLHALYTK					Mascot
		1106.5437	1106.5333	-0.0104	-9	55	65 LSDGGASTDKR					Mascot
		1179.5535	1179.5769	0.0234	20	895	905 MGASDNISRGR			Oxidation (M)[1]		Mascot
		1234.5739	1234.6538	0.0799	65	157	166 QEFSFSQYAK					Mascot
		1325.7899	1325.7146	-0.0753	-57	95	106 VSISHATLTRLK					Mascot
		1325.7899	1325.7146	-0.0753	-57	95	106 VSISHATLTRLK					Mascot
		1475.7529	1475.7168	-0.0361	-24	155	166 IKQEFSFSQYAK					Mascot
		1728.8473	1728.7454	-0.1019	-59	672	685 EEIESVLLDIMEHR			Oxidation (M)[11]		Mascot
		2001.1127	2000.9335	-0.1792	-90	1021	1038 SYGLNVARLAEIPESILR					Mascot
		2263.1396	2263.0032	-0.1364	-60	778	797 KAVCHLATMDCLFSLAQ VAK			Carbamidomethyl (C)[4,11]		Mascot
		2279.1345	2278.9968	-0.1377	-60	778	797 KAVCHLATMDCLFSLAQ VAK			Carbamidomethyl (C)[4,11], Oxidation (M)[9]		Mascot
		2297.1157	2297.1343	0.0186	8	415	433 ESAMFEYPTALSIHKDFYR			Oxidation (M)[4]		Mascot
		2439.1968	2439.0789	-0.1179	-48	340	361 ELTVGMVVVQPSIGDVM VDCFK			Carbamidomethyl (C)[20], Oxidation (M)[6]		Mascot
		2455.1917	2455.083	-0.1087	-44	340	361 ELTVGMVVVQPSIGDVM VDCFK			Carbamidomethyl (C)[20], Oxidation (M)[6,17]		Mascot
		3218.7056	3218.5154	-0.1902	-59	926	955 SLVILDELGRGTSTHDGIA IAYATLESFIR					Mascot
		3218.7056	3218.5154	-0.1902	-59	926	955 SLVILDELGRGTSTHDGIA IAYATLESFIR					Mascot
21	MCM6 minichromosome maintenance deficient 6, like						gi 70887711	93152.1	5.23	12	34	0

[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
856.49	856.5068	0.0168	20	87	93 AVRHFAR					Mascot
973.5789	973.4905	-0.0884	-91	117	124 IRELSTVR					Mascot
973.5789	973.4905	-0.0884	-91	117	124 IRELSTVR					Mascot
996.5261	996.5773	0.0512	51	194	201 FVDFQKGR					Mascot
1165.6252	1165.7196	0.0944	81	747	755 SELINWYLK					Mascot
1234.7228	1234.6538	-0.069	-56	361	372 GILLMLFGGVAK			Oxidation (M)[5]		Mascot
1325.7899	1325.7146	-0.0753	-57	212	223 GSIPRSVEVILR					Mascot
1325.7899	1325.7146	-0.0753	-57	212	223 GSIPRSVEVILR					Mascot
1347.6508	1347.6968	0.046	34	512	523 QNVNMSAPIMSR					Mascot
1475.7502	1475.7168	-0.0334	-23	90	102 HFARDHGNIPPSK					Mascot
2211.1875	2211.0537	-0.1338	-61	361	381 GILLMLFGGVAKTTMEGT SLR			Oxidation (M)[5]		Mascot
2239.1096	2239.0825	-0.0271	-12	236	257 CDFTGTLVVVPDVSAMA LAGTR			Oxidation (M)[16]		Mascot
2297.1812	2297.1343	-0.0469	-20	575	593 QFQPKITVEAQEFVVDQY K					Mascot
2580.2949	2580.2556	-0.0393	-15	138	160 THPVHPELVSGTFLCLDC QSVIK			Carbamidomethyl (C)[15]		Mascot
2580.2949	2580.2556	-0.0393	-15	138	160 THPVHPELVSGTFLCLDC QSVIK			Carbamidomethyl (C)[15]		Mascot

22 Mbd1 protein [Danio rerio] gi|146187002 109196.7 5.19 13 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
864.476	864.4924	0.0164	19	456	462 LFGVCIR			Carbamidomethyl (C)[5]		Mascot
902.4664	902.4664	0	0	494	500 KWVPCGR			Carbamidomethyl (C)[5]		Mascot
973.5135	973.4905	-0.023	-24	874	881 LQPLQCSK			Carbamidomethyl (C)[6]		Mascot
973.5135	973.4905	-0.023	-24	874	881 LQPLQCSK			Carbamidomethyl (C)[6]		Mascot
1045.5524	1045.5409	-0.0115	-11	70	78 KDEEAVVQK					Mascot
1165.5453	1165.7196	0.1743	150	971	979 CEKQCTLQR			Carbamidomethyl (C)[1]		Mascot
1563.5946	1563.8031	0.2085	133	626	639 TDCGTCDFCMDKPK					Mascot
1563.5946	1563.8031	0.2085	133	626	639 TDCGTCDFCMDKPK					Mascot
1728.9629	1728.7454	-0.2175	-126	921	936 LTSAAEIIALIEDLEK					Mascot
1880.8153	1880.9956	0.1803	96	463	477 CNKTYSYEEGQTLCK			Carbamidomethyl (C)[1,14]		Mascot
1993.9574	1993.9235	-0.0339	-17	366	385 SDSADVQRPASSAGFAT AQK					Mascot

	2000.9672	2000.9335	-0.0337	-17	789	807	RPDVPPTTQFDSTGNPG SK						Mascot
	2053.8235	2053.9241	0.1006	49	626	643	TDCGTCDFCMDKPKFGG R	Carbamidomethyl (C)[3], Oxidation (M)[10]					Mascot
	2296.9382	2297.1343	0.1961	85	695	712	KMWGFEMSDDMPEQYM QK	Oxidation (M)[2]					Mascot
	2580.2949	2580.2556	-0.0393	-15	658	679	EAMKHLLPMDEAELLAQ GWLPR	Oxidation (M)[3,9]					Mascot
	2580.2949	2580.2556	-0.0393	-15	658	679	EAMKHLLPMDEAELLAQ GWLPR	Oxidation (M)[3,9]					Mascot
23	hypothetical protein FLJ22318 [Danio rerio]				gi 37595352		44472.4	6.24	9	34	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4366	842.4913	0.0547	65	80	87	DIHGSVSK					Mascot
1045.4884	1045.5409	0.0525	50	306	314	QCSGVWTHK					Mascot
1106.559	1106.5333	-0.0257	-23	209	217	QQEALQYAR					Mascot
1567.6913	1567.8163	0.125	80	1	13	MEQCACVERELEK					Mascot
1880.834	1880.9956	0.1616	86	371	386	LKCPYCPMEQNPSDAK			Carbamidomethyl (C)[3]		Mascot
2133.908	2133.9275	0.0195	9	373	390	CPYCPMEQNPSDAKQIY F					Mascot
2225.1165	2225.0662	-0.0503	-23	340	359	QQTSESPPMKLICGHVI SR					Mascot
2225.1165	2225.0662	-0.0503	-23	340	359	QQTSESPPMKLICGHVI SR					Mascot
2298.1328	2298.1377	0.0049	2	340	359	QQTSESPPMKLICGHVI SR			Carbamidomethyl (C)[14], Oxidation (M)[10]		Mascot
2580.2256	2580.2556	0.03	12	43	65	LLAYGVQDADLSVLHQT MAQCCK			Carbamidomethyl (C)[21], Oxidation (M)[18]		Mascot
2580.2256	2580.2556	0.03	12	43	65	LLAYGVQDADLSVLHQT MAQCCK			Carbamidomethyl (C)[21], Oxidation (M)[18]		Mascot
3338.6252	3338.6836	0.0584	17	129	158	QGMLSVAE DLCQSGVVI DMSMKQPFLELNR					Mascot

24	PREDICTED: gastrula zinc finger protein XICGF57.1-like [Danio rerio]				gi 326667403		40716.1	9.31	11	34	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
803.408	803.3616	-0.0464	-58	340	346	TLSSHMK					Mascot
1347.6072	1347.6968	0.0896	66	76	86	CFECEKVFQSK					Mascot
1567.8162	1567.8163	0.0001	0	250	262	VFSHSLNLIHMR					Mascot
1729.8512	1729.7338	-0.1174	-68	325	338	LFTCQQCGVSFRVK			Carbamidomethyl (C)[4,7]		Mascot
1844.8782	1844.8348	-0.0434	-24	123	137	VHTVEKPFSCQQCPK			Carbamidomethyl (C)[10,13]		Mascot
1844.8782	1844.8348	-0.0434	-24	123	137	VHTVEKPFSCQQCPK			Carbamidomethyl (C)[10,13]		Mascot
1880.9963	1880.9956	-0.0007	0	19	34	VKQEDPQEQTDL LLPK					Mascot

	2225.0227	2225.0662	0.0435	20	179	197	VHTGEKPFTCQQCGTTF AR		Carbamidomethyl (C)[10,13]	Mascot	
	2225.0227	2225.0662	0.0435	20	179	197	VHTGEKPFTCQQCGTTF AR		Carbamidomethyl (C)[10,13]	Mascot	
	2279.0696	2278.9968	-0.0728	-32	151	169	VHTGEKPFSCQCPKTF AR		Carbamidomethyl (C)[10,13]	Mascot	
	2300.0845	2300.126	0.0415	18	231	249	VHMRHSGEKPFTCQQC GK		Carbamidomethyl (C)[14,17]	Mascot	
	2371.0198	2371.0811	0.0613	26	91	110	EHMLTHFTDGCFTCQLC GRR		Oxidation (M)[3]	Mascot	
	2371.0198	2371.0811	0.0613	26	91	110	EHMLTHFTDGCFTCQLC GRR		Oxidation (M)[3]	Mascot	
	3227.5659	3227.5264	-0.0395	-12	235	262	IHSGEKPFTCQQCGKVF SHSLNLSNIHMR		Oxidation (M)[27]	Mascot	
25	protein RMD5 homolog B [Danio rerio]				gi 41152122		44610.5	6.03	9	34	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4366	842.4913	0.0547	65	80	87	DIHGVSVK					Mascot
1045.4884	1045.5409	0.0525	50	307	315	QCSGVWTHK					Mascot
1106.559	1106.5333	-0.0257	-23	210	218	QQEALQYAR					Mascot
1567.6913	1567.8163	0.125	80	1	13	MEQCACVERELEK					Mascot
1880.834	1880.9956	0.1616	86	372	387	LKCPYCPMEQNPSDAK			Carbamidomethyl (C)[3]		Mascot
2054.0889	2053.9241	-0.1648	-80	166	182	TQDLRPALEWAVTNRQR					Mascot
2133.908	2133.9275	0.0195	9	374	391	CPYCPMEQNPSDAKQIY F					Mascot
2225.1165	2225.0662	-0.0503	-23	341	360	QQTSESNPPMKLICGHVI SR					Mascot
2225.1165	2225.0662	-0.0503	-23	341	360	QQTSESNPPMKLICGHVI SR					Mascot
2298.1328	2298.1377	0.0049	2	341	360	QQTSESNPPMKLICGHVI SR			Carbamidomethyl (C)[14], Oxidation (M)[10]		Mascot
2580.2256	2580.2556	0.03	12	43	65	LLAYGVQDADLSVLHQT MAQCCK			Carbamidomethyl (C)[21], Oxidation (M)[18]		Mascot
2580.2256	2580.2556	0.03	12	43	65	LLAYGVQDADLSVLHQT MAQCCK			Carbamidomethyl (C)[21], Oxidation (M)[18]		Mascot

26	CLIP-associating protein 1 [Danio rerio]				gi 169646251		168891.5	9.05	19	33	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
803.437	803.3616	-0.0754	-94	666	672	VVSQSQR					Mascot
856.5502	856.5068	-0.0434	-51	1319	1326	GALIELLK					Mascot
870.577	870.5187	-0.0583	-67	1365	1371	VLKEILR					Mascot
1082.5551	1082.4855	-0.0696	-64	1379	1387	NYAELTIMK					Mascot
1104.5255	1104.5543	0.0288	26	894	902	MFADPHSKR			Oxidation (M)[1]		Mascot

1165.6801	1165.7196	0.0395	34	1355	1364	DHTIRALALR						Mascot
1213.6648	1213.5719	-0.0929	-77	724	734	ETSPNRLGIAR						Mascot
1325.524	1325.7146	0.1906	144	241	252	NFDDSDSVDGGR						Mascot
1325.8151	1325.7146	-0.1005	-76	863	874	KEGLLGQLNLLK						Mascot
1475.6802	1475.7168	0.0366	25	1330	1341	EDSLAVWDEHFK						Mascot
1648.8007	1648.7839	-0.0168	-10	735	749	SSRIPRPSMSQGCSR						Mascot
1728.9126	1728.7454	-0.1672	-97	788	804	VLNTGTEVEAAVADALR						Mascot
2001.0222	2000.9335	-0.0887	-44	349	366	SLLMAGATEHEGFIQQLR						Mascot
2053.9502	2053.9241	-0.0261	-13	1257	1274	SREFAPYGYGDTITAYDK						Mascot
2225.207	2225.0662	-0.1408	-63	381	401	SQVVREACITLGHLSLL GNK						Mascot
2225.207	2225.0662	-0.1408	-63	381	401	SQVVREACITLGHLSLL GNK						Mascot
2284.0769	2284.1206	0.0437	19	1	19	MEPNMEYCLTQVLQKDV AR			Oxidation (M)[1]			Mascot
2300.072	2300.126	0.054	23	1	19	MEPNMEYCLTQVLQKDV AR			Oxidation (M)[1,5]			Mascot
2371.1572	2371.0811	-0.0761	-32	118	137	IMEQSATPQYIWRMLG GFK						Mascot
2371.1572	2371.0811	-0.0761	-32	118	137	IMEQSATPQYIWRMLG GFK						Mascot
3218.4617	3218.5154	0.0537	17	37	65	CQDLESDQTALDKMVDG IATSWVNSSNFK			Oxidation (M)[14]			Mascot
3218.4617	3218.5154	0.0537	17	37	65	CQDLESDQTALDKMVDG IATSWVNSSNFK			Oxidation (M)[14]			Mascot
3338.7485	3338.6836	-0.0649	-19	50	80	MVDGIATSWVNSSNFKL ALLGMDLLSALVTR			Oxidation (M)[1]			Mascot

27 X-prolyl aminopeptidase (aminopeptidase P) 3, putative gil158253582 56493.5 7.08 9 33 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
803.2988	803.3616	0.0628	78	504	510	TCAHAED			Carbamidomethyl (C)[2]		Mascot	
856.4015	856.5068	0.1053	123	268	274	KTMAMSR			Oxidation (M)[3,5]		Mascot	
1179.6957	1179.5769	-0.1188	-101	235	244	SLRPLTHSLR					Mascot	
1584.6722	1584.8403	0.1681	106	19	31	SYWSPGSVWCPCR			Carbamidomethyl (C)[10]		Mascot	
1584.6722	1584.8403	0.1681	106	19	31	SYWSPGSVWCPCR			Carbamidomethyl (C)[10]		Mascot	
1638.9425	1638.8247	-0.1178	-72	188	202	VHSTEELGVVLKSIK					Mascot	
1993.9695	1993.9235	-0.046	-23	1	18	MFHSSSGLLRAAVQCAS R			Carbamidomethyl (C)[15], Oxidation (M)[1]		Mascot	
2054.0586	2053.9241	-0.1345	-65	395	413	QLKELGILPSHASDTDAM K					Mascot	
2371.0527	2371.0811	0.0284	12	11	31	AAVQCASRSYWSPGSV WCPCR			Carbamidomethyl (C)[5]		Mascot	
2371.0527	2371.0811	0.0284	12	11	31	AAVQCASRSYWSPGSV WCPCR			Carbamidomethyl (C)[5]		Mascot	
2439.0842	2439.0789	-0.0053	-2	324	345	DGEMVLLDGGCEYFGYV					Mascot	

	2455.0791	2455.083	0.0039	2	324	345	SDITR DGEMVLLDGGCEYFGYV SDITR					Oxidation (M)[4]	Mascot
28	SH3 domain-binding protein 4-A [Danio rerio]					gi 45387913	104947.5	7.73	13	33	0		

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
842.5822	842.4913	-0.0909	-108	634	640	LIKT VIR						Mascot
850.4338	850.5243	0.0905	106	358	364	LSNMEIK				Oxidation (M)[4]		Mascot
870.4726	870.5187	0.0461	53	1	7	MAAHRIR				Oxidation (M)[1]		Mascot
973.5829	973.4905	-0.0924	-95	666	673	LKGQLWTK						Mascot
973.5829	973.4905	-0.0924	-95	666	673	LKGQLWTK						Mascot
1045.4796	1045.5409	0.0613	59	762	770	AELDSEPER						Mascot
1082.4493	1082.4855	0.0362	33	780	788	EDCLNMETK						Mascot
1434.7158	1434.7355	0.0197	14	885	896	DVIHELHMG LDR						Mascot
2118.1958	2117.9324	-0.2634	-124	607	624	IILSPLAITTKYPQFQER						Mascot
2284.2368	2284.1206	-0.1162	-51	463	484	TVVAIFGHDCAPKTL LVS EVGK						Mascot
2300.0686	2300.126	0.0574	25	568	587	DDQDCILAQFCVQTPQP PPK				Carbamidomethyl (C)[5]		Mascot
3227.677	3227.5264	-0.1506	-47	907	936	HLTGTLILVNC LDLLRSSA FSPAPQDDFAI						Mascot
3337.6052	3337.6785	0.0733	22	269	298	LARSCHDLES LGQNPGW GQTQPVETNIVCK				Carbamidomethyl (C)[5]		Mascot
3338.5496	3338.6836	0.134	40	856	884	TGMVDSEAMWKPAYDFL LTWAAQIGDSYR				Oxidation (M)[3]		Mascot

29	PREDICTED: tripartite motif-containing protein 39-like [Danio rerio]					gi 326676388	71379.4	6.07	11	33	0	
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Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
803.4257	803.3616	-0.0641	-80	268	274	AAEKQEK						Mascot
850.4967	850.5243	0.0276	32	578	584	FLRVMGK						Mascot
1082.5009	1082.4855	-0.0154	-14	402	411	FDTCPCLV LK						Mascot
1234.6427	1234.6538	0.0111	9	77	86	ETFTQR PDLK						Mascot
1316.674	1316.6663	-0.0077	-6	17	27	RNINEPMSLSR						Mascot
1584.7515	1584.8403	0.0888	56	503	516	LFPYFGPCLNDGGK				Carbamidomethyl (C)[8]		Mascot
1584.7515	1584.8403	0.0888	56	503	516	LFPYFGPCLNDGGK				Carbamidomethyl (C)[8]		Mascot
2133.8643	2133.9275	0.0632	30	58	76	SCLNTCWNKTQT CSCP NCK						Mascot
2210.9595	2211.0537	0.0942	43	176	194	DDQTGVCLYCSFTDHKN HK						Mascot

	2225.0247	2225.0662	0.0415	19	250	267	SIERCQTELLEMEEQQK						Mascot
	2225.0247	2225.0662	0.0415	19	250	267	SIERCQTELLEMEEQQK						Mascot
	2298.041	2298.1377	0.0967	42	250	267	SIERCQTELLEMEEQQK			Carbamidomethyl (C)[5], Oxidation (M)[12]			Mascot
	2300.0469	2300.126	0.0791	34	67	86	TQTCSCPNCETFTQRPDLK						Mascot
	3338.52	3338.6836	0.1636	49	28	57	VPLSEDLQCSICLEVFTDPVSTPCGHNFK			Carbamidomethyl (C)[9]			Mascot
30	BSD domain containing 1 [Danio rerio]				gi 51480446	45281.8	4.28	8	33	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1213.6211	1213.5719	-0.0492	-41	24	33	SAEAYEFIKR					Mascot
	1563.7068	1563.8031	0.0963	62	336	348	EETAREDMAQDLR					Mascot
	1563.7068	1563.8031	0.0963	62	336	348	EETAREDMAQDLR					Mascot
	1880.8984	1880.9956	0.0972	52	349	366	VFELNSDSGKSTPSNNGK					Mascot
	2000.8827	2000.9335	0.0508	25	380	396	DFDLMTEEEVQMALSK					Mascot
	2053.9495	2053.9241	-0.0254	-12	341	358	EDMAQDLRVFELNSDSGK					Mascot
	2439.1362	2439.0789	-0.0573	-23	2	23	ADGEGGWGGWLTQSFQSVKDK					Mascot
	2657.3164	2657.1265	-0.1899	-71	318	340	LSDTGLQETFPEERPVPREETAR					Mascot
	3337.4246	3337.6785	0.2539	76	368	396	GSSTDVSEDWEKDFDLDMTEEEVQMALSK			Oxidation (M)[18]		Mascot

31	pyruvate dehydrogenase kinase, isozyme 3b [Danio rerio]				gi 123702577	21003.7	8.49	7	33	0			
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	882.4468	882.5473	0.1005	114	30	36	QFLDFGR					Mascot
	1045.5499	1045.5409	-0.009	-9	43	50	TSYMFLRK					Mascot
	1165.6836	1165.7196	0.036	31	1	9	MKLFICLLK			Carbamidomethyl (C)[6]		Mascot
	1325.6631	1325.7146	0.0515	39	162	172	MLINQHSETPR					Mascot
	1325.6631	1325.7146	0.0515	39	162	172	MLINQHSETPR					Mascot
	1648.7457	1648.7839	0.0382	23	37	49	ENACEKTSYMFLR			Carbamidomethyl (C)[4]		Mascot
	1844.9436	1844.8348	-0.1088	-59	158	172	ISFRMLINQHSETPR			Oxidation (M)[5]		Mascot
	1844.9436	1844.8348	-0.1088	-59	158	172	ISFRMLINQHSETPR			Oxidation (M)[5]		Mascot
	2284.1641	2284.1206	-0.0435	-19	97	115	SPEDPHTLNDFLEMLIKIR			Oxidation (M)[14]		Mascot

32	adipocyte plasma membrane-associated protein [Danio rerio]				gi 47086817	46714	6.81	8	32	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1234.5919	1234.6538	0.0619	50	247	256	EVNVMMENLR					Mascot
1563.8893	1563.8031	-0.0862	-55	347	359	LFSQDTLLKFVPR					Mascot
1563.8893	1563.8031	-0.0862	-55	347	359	LFSQDTLLKFVPR					Mascot
1638.7251	1638.8247	0.0996	61	224	237	DFMHLIMEATADGR			Oxidation (M)[3,7]		Mascot
1648.854	1648.7839	-0.0701	-43	196	210	LGFVNDLDVTQDGKK					Mascot
2118.1599	2117.9324	-0.2275	-107	123	142	IEGRNIHVLATIGKPPCGS R					Mascot
2225.1382	2225.0662	-0.072	-32	356	374	FVPRYSLVVELQSDGTC VR			Carbamidomethyl (C)[17]		Mascot
2225.1382	2225.0662	-0.072	-32	356	374	FVPRYSLVVELQSDGTC VR			Carbamidomethyl (C)[17]		Mascot
2247.1628	2247.0203	-0.1425	-63	11	28	RLNRPHIITDETHEPQYK					Mascot
2580.2649	2580.2556	-0.0093	-4	257	279	FPNGIQLFPDEESVLVAE TTMAR			Oxidation (M)[21]		Mascot
2580.2649	2580.2556	-0.0093	-4	257	279	FPNGIQLFPDEESVLVAE TTMAR			Oxidation (M)[21]		Mascot

33 PREDICTED: zinc finger protein 567-like [Danio rerio] gi|326666771 48963.9 9.43 10 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.4457	856.5068	0.0611	71	147	153	NLAVHMR			Oxidation (M)[6]		Mascot
1082.4796	1082.4855	0.0059	5	347	355	HMQTHSGER					Mascot
1584.7839	1584.8403	0.0564	36	85	97	SFSQKPNLDVYMR					Mascot
1584.7839	1584.8403	0.0564	36	85	97	SFSQKPNLDVYMR					Mascot
1728.8738	1728.7454	-0.1284	-74	84	97	KSFSQKPNLDVYMR			Oxidation (M)[13]		Mascot
2000.9355	2000.9335	-0.002	-1	172	187	QNYNLEVHMRTHTGER			Oxidation (M)[9]		Mascot
2284.085	2284.1206	0.0356	16	266	284	IHTGEKPYCTECGKSFI R			Carbamidomethyl (C)[10,13]		Mascot
2367.1799	2367.2065	0.0266	11	377	397	LHNSEQSPQHLGLVHTN AEQK					Mascot
2580.1462	2580.2556	0.1094	42	314	336	LSLMNHMNGHTGTIVFTC DQCGK			Carbamidomethyl (C)[18], Oxidation (M)[4]		Mascot
2580.1462	2580.2556	0.1094	42	314	336	LSLMNHMNGHTGTIVFTC DQCGK			Carbamidomethyl (C)[18], Oxidation (M)[4]		Mascot
2596.1411	2596.2539	0.1128	43	314	336	LSLMNHMNGHTGTIVFTC DQCGK	3	0	Carbamidomethyl (C)[18], Oxidation (M)[4,7]		Mascot
2596.1411	2596.2539	0.1128	43	314	336	LSLMNHMNGHTGTIVFTC DQCGK			Carbamidomethyl (C)[18], Oxidation (M)[4,7]		Mascot
2657.238	2657.1265	-0.1115	-42	147	168	NLAVHMRVHTGEKPYSC PQCEK			Carbamidomethyl (C)[17,20], Oxidation (M)[6]		Mascot
3218.4463	3218.5154	0.0691	21	21	46	QEDLQEQTDLMLLKEET HQQNEVEEK			Oxidation (M)[11]		Mascot

	3218.4463	3218.5154	0.0691	21	21	46	QEDLQEQTDLMLLKEET HQQNEVEEK					Oxidation (M)[11]	Mascot
34	PREDICTED: hypothetical protein LOC100004944 [Danio rerio]					gi 125854141	69244.2	6.33	10	32	0		

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1045.452	1045.5409	0.0889	85	472	479	CHYSDHVK				Carbamidomethyl (C)[1]		Mascot
1316.6052	1316.6663	0.0611	46	472	482	CHYSDHVKEAK						Mascot
1567.873	1567.8163	-0.0567	-36	259	272	LIYITDAVQSLFGK						Mascot
1729.9265	1729.7338	-0.1927	-111	361	375	MTQDVLQIQRELGA						Mascot
2048.1321	2047.9043	-0.2278	-111	343	360	GMTGLTQFINNIKPR				Oxidation (M)[2]		Mascot
2211.1147	2211.0537	-0.061	-28	153	171	TTLVNMVMNYMLGVE						Mascot
2239.2485	2239.0825	-0.166	-74	278	298	IVLLFTHSDGFPPSN						Mascot
2283.2595	2283.1292	-0.1303	-57	544	563	IALNTDSLNTLLHIDF						Mascot
2367.2085	2367.2065	-0.002	-1	234	254	IDDLTHEINAVCLVNK						Mascot
2371.0627	2371.0811	0.0184	8	35	53	ECLQQFWATTKTQDCP				Carbamidomethyl (C)[2,15]		Mascot
2371.0627	2371.0811	0.0184	8	35	53	ECLQQFWATTKTQDCP				Carbamidomethyl (C)[2,15]		Mascot

35	PREDICTED: transposon TX1 uncharacterized 149 kDa protein-like [Danio rerio]					gi 326667829	148918.2	8.57	15	31	0	
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Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.5621	850.5243	-0.0378	-44	387	393	RLIHALK						Mascot
902.4941	902.4664	-0.0277	-31	517	524	KGDLNDIK						Mascot
1325.7463	1325.7146	-0.0317	-24	21	30	YQIYEIIKQK						Mascot
1325.7463	1325.7146	-0.0317	-24	21	30	YQIYEIIKQK						Mascot
1347.7452	1347.6968	-0.0484	-36	1214	1225	CQLINFLLGQAK						Mascot
1563.9409	1563.8031	-0.1378	-88	842	854	LHWVPKAVLYLPK						Mascot
1563.9409	1563.8031	-0.1378	-88	842	854	LHWVPKAVLYLPK						Mascot
1844.9865	1844.8348	-0.1517	-82	1015	1029	LLEQWRASLTTEEIR						Mascot
1845.0592	1844.8348	-0.2244	-122	344	360	NILGKFLDTVTQGALV						Mascot
1880.9653	1880.9956	0.0303	16	740	755	WLNGEPNLPDGLLWTR						Mascot
1993.9457	1993.9235	-0.0222	-11	449	466	ALTLEEELQSMCEGK						Mascot
2193.1697	2193.052	-0.1177	-54	296	314	QLCQQYTLNVTGDILRS						Mascot

	2239.1865	2239.0825	-0.104	-46	654	673	QGCALSGMLYVLAIEPFLIK		Carbamidomethyl (C)[3], Oxidation (M)[8]	Mascot	
	2298.1509	2298.1377	-0.0132	-6	627	647	ALYCDVESILKVNGDLCA PFK			Mascot	
	2439.2917	2439.0789	-0.2128	-87	760	781	YLGVFLGNEAVVQKNFE GVVEK			Mascot	
	2580.2002	2580.2556	0.0554	21	220	241	SCSICPVSFSDHSLQCVI SQR		Carbamidomethyl (C)[2,5,17]	Mascot	
	2580.2002	2580.2556	0.0554	21	220	241	SCSICPVSFSDHSLQCVI SQR		Carbamidomethyl (C)[2,5,17]	Mascot	
	3218.6602	3218.5154	-0.1448	-45	1136	1164	ILHGAVAVNAFISILNPDV VHDCPFCLQR		Carbamidomethyl (C)[23]	Mascot	
	3218.6602	3218.5154	-0.1448	-45	1136	1164	ILHGAVAVNAFISILNPDV VHDCPFCLQR		Carbamidomethyl (C)[23]	Mascot	
36	lactase-like [Danio rerio]				gi 57526567		63841.3	7.96	10	31	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
803.3893	803.3616	-0.0277	-34	277	283	DIEAAER					Mascot
842.4954	842.4913	-0.0041	-5	2	8	QRNGVLR					Mascot
882.4203	882.5473	0.127	144	126	132	TDYINEK					Mascot
902.5206	902.4664	-0.0542	-60	484	490	NKPRYPK					Mascot
973.5359	973.4905	-0.0454	-47	1	8	MQRNGVLR					Mascot
973.5359	973.4905	-0.0454	-47	1	8	MQRNGVLR					Mascot
1058.4935	1058.5662	0.0727	69	536	544	SKEHADMPK			Oxidation (M)[7]		Mascot
1475.5422	1475.7168	0.1746	118	420	430	MMCTDLCDEWR			Carbamidomethyl (C)[3], Oxidation (M)[1]		Mascot
1993.9106	1993.9235	0.0129	6	133	148	GIEHYDNMINMLLENR			Oxidation (M)[8,11]		Mascot
2054.0413	2053.9241	-0.1172	-57	313	331	SAQQGLSSSRLPAFNPH EK					Mascot
2247.071	2247.0203	-0.0507	-23	256	276	GMVGISLSADWGPEVDV TNQR			Oxidation (M)[2]		Mascot

37 PREDICTED: bromodomain adjacent to zinc finger domain protein 1A, partial [Danio rerio] gi|125841384 81560.8 6.03 12 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
803.4145	803.3616	-0.0529	-66	316	322	DDLIEAK					Mascot
902.5669	902.4664	-0.1005	-111	604	611	LLTLVSTR					Mascot
1045.3999	1045.5409	0.141	135	303	310	EQMMSMEK			Oxidation (M)[3,4]		Mascot
1106.4789	1106.5333	0.0544	49	36	43	TYDEFFER					Mascot
1234.7782	1234.6538	-0.1244	-101	2	11	PLLHKKPFVR					Mascot
1316.5796	1316.6663	0.0867	66	303	312	EQMMSMEKFR					Mascot
1567.7461	1567.8163	0.0702	45	101	113	LHEICDDVYAYVK					Mascot

1845.0084	1844.8348	-0.1736	-94	596	611	ILHSMCGKLLTLVSTR				Carbamidomethyl (C)[6], Oxidation (M)[5]	Mascot
1845.0084	1844.8348	-0.1736	-94	596	611	ILHSMCGKLLTLVSTR	2	0		Carbamidomethyl (C)[6], Oxidation (M)[5]	Mascot
1880.8517	1880.9956	0.1439	77	378	392	LWSKPREDMCEDDLK				Oxidation (M)[9]	Mascot
1993.9912	1993.9235	-0.0677	-34	535	552	LHILSSGADCGFTNAKFR				Carbamidomethyl (C)[10]	Mascot
2283.1836	2283.1292	-0.0544	-24	195	215	VQPVSPPEACEPVIVKVAQ MSR				Oxidation (M)[19]	Mascot
3218.6958	3218.5154	-0.1804	-56	402	429	TRLPPPELFGDALMVLEFL HAFGELFDLK					Mascot
3218.6958	3218.5154	-0.1804	-56	402	429	TRLPPPELFGDALMVLEFL HAFGELFDLK					Mascot

38 PREDICTED: hypothetical protein LOC798191 [Danio rerio] gi|189522448 41942 8.11 8 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4726	864.4924	0.0198	23	322	328	FFGQPLR					Mascot
996.4489	996.5773	0.1284	129	213	221	QSPSCTMVK			Oxidation (M)[7]		Mascot
1082.4797	1082.4855	0.0058	5	358	366	CCPPAFYPK			Carbamidomethyl (C)[1]		Mascot
1316.6528	1316.6663	0.0135	10	124	134	HSRCQPGQYIK					Mascot
1563.6825	1563.8031	0.1206	77	213	225	QSPSCTMVKNHCR			Carbamidomethyl (C)[5], Oxidation (M)[7]		Mascot
1563.6825	1563.8031	0.1206	77	213	225	QSPSCTMVKNHCR			Carbamidomethyl (C)[5], Oxidation (M)[7]		Mascot
2053.947	2053.9241	-0.0229	-11	97	114	SSNTVCEPLAGFYCIHQK			Carbamidomethyl (C)[6]		Mascot
2239.0635	2239.0825	0.019	8	97	115	SSNTVCEPLAGFYCIHQK K			Carbamidomethyl (C)[6,14]		Mascot
3337.4883	3337.6785	0.1902	57	50	78	CTIDTVTTCVPCPLTYT DEPNGLYTCFR			Carbamidomethyl (C)[1,9]		Mascot

39 Si:ch211-215a10.4 protein [Danio rerio] gi|126631961 20359.9 9.75 5 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5519	882.5473	-0.0046	-5	5	11	LRVELPR					Mascot
1567.8671	1567.8163	-0.0508	-32	85	97	GLPFHSILVFFYK					Mascot
2367.1152	2367.2065	0.0913	39	101	120	NHLYRITYDAFSTFYIGAD GR					Mascot
3337.7615	3337.6785	-0.083	-25	41	67	VVYQLTLTLWKLMLFFYY ADAQLEVLK			Carbamidomethyl (C)[14], Oxidation (M)[13]		Mascot
3338.9343	3338.6836	-0.2507	-75	140	171	VASMLGGALVALGIQEH PALNLLPLLLSSLR			Oxidation (M)[4]		Mascot

40 PREDICTED: protein NLRC3-like [Danio rerio] gi|326667285 62976.7 6.15 9 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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											Seq.		Seq.		Score					
	864.3767	864.4924	0.1157	134	363	370	DCGIDVDK												Mascot	
	902.44	902.4664	0.0264	29	230	237	IPADCIDR												Mascot	
	973.5789	973.4905	-0.0884	-91	528	536	KSVTALQAR												Mascot	
	973.5789	973.4905	-0.0884	-91	528	536	KSVTALQAR												Mascot	
	1045.5272	1045.5409	0.0137	13	423	431	GLLTQQDDR												Mascot	
	1234.7041	1234.6538	-0.0503	-41	436	445	EEIIAYIKQK												Mascot	
	1434.6755	1434.7355	0.06	42	371	383	ASVYSGMCTQIFK												Mascot	
	2134.1326	2133.9275	-0.2051	-96	1	17	MEIYELLFIYQLKCSLK												Mascot	
	2298.1812	2298.1377	-0.0435	-19	303	320	TLTQMYTHFLRFQIQSR												Mascot	
	2580.2576	2580.2556	-0.002	-1	39	60	IYTDLYITQGASEQVNTE HEIR												Mascot	
	2580.2576	2580.2556	-0.002	-1	39	60	IYTDLYITQGASEQVNTE HEIR												Mascot	
41	PREDICTED: hypothetical protein LOC100001326 [Danio rerio]				gi 125846403		17013.6	6.06	5	30	0									
Peptide Information																				
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type						
	1058.5339	1058.5662	0.0323	31	128	136	VCAFNYYTIK							Mascot						
	1213.5956	1213.5719	-0.0237	-20	142	152	ACFIMNTVTVV				Oxidation (M)[5]			Mascot						
	1584.8387	1584.8403	0.0016	1	106	118	CQIIANQLNRQAR				Carbamidomethyl (C)[1]			Mascot						
	1584.8387	1584.8403	0.0016	1	106	118	CQIIANQLNRQAR				Carbamidomethyl (C)[1]			Mascot						
	2054.0627	2053.9241	-0.1386	-67	119	136	ELAEPGTLKVCAFNYYTIK				Carbamidomethyl (C)[11]			Mascot						
	2284.1416	2284.1206	-0.021	-9	42	62	QQVIEVSESESVQSPAL NPR							Mascot						
42	estrogen receptor alpha long isoform [Danio rerio]				gi 154850277		68248.4	8.6	11	30	0									
Peptide Information																				
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type						
	902.469	902.4664	-0.0026	-3	310	317	TTGPQDKR							Mascot						
	1104.4886	1104.5543	0.0657	59	263	271	KCYEVGMMK				Oxidation (M)[7]			Mascot						
	1213.6398	1213.5719	-0.0679	-56	373	382	ELVHMIWAK				Oxidation (M)[5]			Mascot						
	1316.7573	1316.6663	-0.091	-69	422	432	LIFAQDLILDR							Mascot						
	1325.7399	1325.7146	-0.0253	-19	373	383	ELVHMIWAKK							Mascot						
	1325.7399	1325.7146	-0.0253	-19	373	383	ELVHMIWAKK							Mascot						
	2239.0667	2239.0825	0.0158	7	2	24	LAACVFPMVMSSGGQTSG EAVGAR							Mascot						

	2279.1377	2278.9968	-0.1409	-62	36	56	EALEEPSSPPAAHKLSPM YPK											Mascot
	2371.0979	2371.0811	-0.0168	-7	433	454	SEGECEVEGMAEIFDMLLA TVAR											Mascot
	2371.1091	2371.0811	-0.028	-12	353	372	HSRPYTEITMMSLLTNMA DK					Oxidation (M)[10,11]						Mascot
	2439.2588	2439.0789	-0.1799	-74	554	574	VPLYDLLLEMLDAQRFQS SGK					Oxidation (M)[10]						Mascot
	2580.2478	2580.2556	0.0078	3	2	26	LAACVFPVMMSGGQTSG EAVGARQR					Carbamidomethyl (C)[4]						Mascot
	2580.2478	2580.2556	0.0078	3	2	26	LAACVFPVMMSGGQTSG EAVGARQR					Carbamidomethyl (C)[4]						Mascot
	2596.2429	2596.2539	0.011	4	2	26	LAACVFPVMMSGGQTSG EAVGARQR					Carbamidomethyl (C)[4], Oxidation (M)[8]						Mascot
	2596.2429	2596.2539	0.011	4	2	26	LAACVFPVMMSGGQTSG EAVGARQR					Carbamidomethyl (C)[4], Oxidation (M)[8]						Mascot

43 PREDICTED: interferon-induced very large GTPase 1-like [Danio rerio] gi|326676497 194760.8 7 13 30 0 24 6.699

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
864.4178	864.4924	0.0746	86	551	556	EMCRLR				Carbamidomethyl (C)[3]		Mascot
1082.5841	1082.4855	-0.0986	-91	1097	1105	EVQTDIIHK						Mascot
1106.5146	1106.5333	0.0187	17	1049	1058	CEADNELGKK						Mascot
1234.5708	1234.6538	0.083	67	1011	1019	KHMIDWCTK				Carbamidomethyl (C)[7], Oxidation (M)[3]		Mascot
1347.6539	1347.6968	0.0429	32	621	631	QHLSSLDEQYK						Mascot
1475.7522	1475.7168	-0.0354	-24	428	440	LVLVCNTNDLESR						Mascot
1584.8124	1584.8403	0.0279	18	588	602	QVISLFISGLCCSSK	26	36.67				Mascot
1584.8124	1584.8403	0.0279	18	588	602	QVISLFISGLCCSSK						Mascot
1648.8481	1648.7839	-0.0642	-39	958	971	VPAQDFVAFIEWIR						Mascot
2225.0828	2225.0662	-0.0166	-7	464	482	MNDDDFVAKLQMTVDEIL K						Mascot
2225.0828	2225.0662	-0.0166	-7	464	482	MNDDDFVAKLQMTVDEIL K						Mascot
2284.0913	2284.1206	0.0293	13	297	316	DCSGENSIVQTDPLISF VR				Carbamidomethyl (C)[2]		Mascot
2297.0974	2297.1343	0.0369	16	156	174	TNINMEYMLMELGLQSHL K				Oxidation (M)[5,8]		Mascot
2300.0759	2300.126	0.0501	22	356	375	ICNGLVEMTWYLPCKE TDK						Mascot
2371.1672	2371.0811	-0.0861	-36	1199	1220	EMLSTVTSLDQCGIGPFF AVAK				Carbamidomethyl (C)[12]		Mascot
2371.1672	2371.0811	-0.0861	-36	1199	1220	EMLSTVTSLDQCGIGPFF AVAK				Carbamidomethyl (C)[12]		Mascot

44 talin-1 [Danio rerio] gi|57222259 270469.6 5.86 21 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
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	803.4257	803.3616	-0.0641	-80	1944	1950	ELIDSAR										Mascot
	856.408	856.5068	0.0988	115	1303	1310	TISMSSSK										Mascot
	902.5053	902.4664	-0.0389	-43	2460	2467	RASDNLVK										Mascot
	973.4883	973.4905	0.0022	2	1195	1203	SVNCLPGQR										Mascot
	973.4883	973.4905	0.0022	2	1195	1203	SVNCLPGQR										Mascot
	1082.4783	1082.4855	0.0072	7	1083	1092	CSQDLGSSTK										Mascot
	1165.6576	1165.7196	0.062	53	1615	1625	SLAVNPKDPPK										Mascot
	1179.5422	1179.5769	0.0347	29	2441	2450	ADQDSQTMKR										Mascot
	1213.6171	1213.5719	-0.0452	-37	1133	1144	GVAANTEDPLAR										Mascot
	1234.5811	1234.6538	0.0727	59	1541	1551	ALDGAFNQENR										Mascot
	1316.6804	1316.6663	-0.0141	-11	2193	2204	QEDVIATANLSR										Mascot
	1325.7787	1325.7146	-0.0641	-48	438	450	VETGSVALPAIR										Mascot
	1325.7787	1325.7146	-0.0641	-48	438	450	VETGSVALPAIR										Mascot
	1347.705	1347.6968	-0.0082	-6	896	908	MATNAAQNAIKK										Mascot
	1475.7886	1475.7168	-0.0718	-49	859	872	LLADATARMVEAAK										Mascot
	1638.8077	1638.8247	0.017	10	92	106	MLDGTVKTMVDDSK										Mascot
	2117.9768	2117.9324	-0.0444	-21	867	886	MVEAAKGAAANPDSEEQ QQK										Mascot
	2211.1865	2211.0537	-0.1328	-60	2059	2080	LGAASLGSEDPETQVVL NAVK										Mascot
	2225.1846	2225.0662	-0.1184	-53	718	738	VVVAPTISSPVCQEQLIEA GK										Mascot
	2225.1846	2225.0662	-0.1184	-53	718	738	VVVAPTISSPVCQEQLIEA GK										Mascot
	2233.0952	2233.0288	-0.0664	-30	1337	1357	AVTDSINQLISMCTQQAP GQK										Mascot
	2263.1387	2263.0032	-0.1355	-60	1763	1783	TLAESALQMLYTAKETGG NHK										Mascot
	2279.1335	2278.9968	-0.1367	-60	1763	1783	TLAESALQMLYTAKETGG NHK										Mascot
	2371.0825	2371.0811	-0.0014	-1	1145	1166	NAMLDCTGDVMDKSASL IEETK										Mascot
	2371.0825	2371.0811	-0.0014	-1	1145	1166	NAMLDCTGDVMDKSASL IEETK										Mascot
	2532.1453	2532.2136	0.0683	27	2394	2418	MVAAATNNLCEAANS QGHASEEK										Mascot
45	ATP-dependent chromatin remodeling protein SNF2-related protein [Danio rerio]				gi 21105437		7534.1	10.57	4	30	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
864.4243	864.4924	0.0681	79	4	10	TAMELQR			Oxidation (M)[3]		Mascot	
973.4697	973.4905	0.0208	21	48	56	KQDGTDPDGR					Mascot	

	973.4697	973.4905	0.0208	21	48	56	KQDGTDPDGR										Mascot
	1058.4973	1058.5662	0.0689	65	49	58	QDGTDPDGRGR										Mascot
	2263.1057	2263.0032	-0.1025	-45	12	29	CNTLITLIERENMELEER					Carbamidomethyl (C)[1]					Mascot
	2279.1006	2278.9968	-0.1038	-46	12	29	CNTLITLIERENMELEER					Carbamidomethyl (C)[1], Oxidation (M)[13]					Mascot
46	novel protein similar to vertebrate cytoplasmic linker associated protein 1 (CLASP1) [Danio rerio]						gi 159569348	164674.4	8.99	17	30	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.5502	856.5068	-0.0434	-51	1277	1284	GALIELLK					Mascot
870.577	870.5187	-0.0583	-67	1323	1329	VLKEILR					Mascot
1082.5551	1082.4855	-0.0696	-64	1337	1345	NYAELTIMK					Mascot
1165.6801	1165.7196	0.0395	34	1313	1322	DHTIRALALR					Mascot
1325.524	1325.7146	0.1906	144	239	250	NFDDSDVDGGR					Mascot
1325.8151	1325.7146	-0.1005	-76	855	866	KEGLGLQNLLK					Mascot
1434.6715	1434.7355	0.064	45	1240	1251	QDCGENKMVLPK			Carbamidomethyl (C)[3], Oxidation (M)[8]		Mascot
1475.6802	1475.7168	0.0366	25	1288	1299	EDSLAVWDEHFK					Mascot
1648.8007	1648.7839	-0.0168	-10	727	741	SSRIPRPSMSQGCSR					Mascot
1728.9126	1728.7454	-0.1672	-97	780	796	VLNTGTVEEAAVADALR					Mascot
2001.0222	2000.9335	-0.0887	-44	347	364	SLLMAGATEHEGFIQQLR					Mascot
2053.9502	2053.9241	-0.0261	-13	1202	1219	SREFAPYGYGDTITAYDK					Mascot
2225.207	2225.0662	-0.1408	-63	379	399	SQVVREACITLGHLSLLGNK					Mascot
2225.207	2225.0662	-0.1408	-63	379	399	SQVVREACITLGHLSLLGNK					Mascot
2284.0769	2284.1206	0.0437	19	1	19	MEPNMEYCLTQVLQKDVAR			Oxidation (M)[1]		Mascot
2300.072	2300.126	0.054	23	1	19	MEPNMEYCLTQVLQKDVAR			Oxidation (M)[1,5]		Mascot
2371.1572	2371.0811	-0.0761	-32	118	137	IMEQSATPQYIWRMLG GFK					Mascot
2371.1572	2371.0811	-0.0761	-32	118	137	IMEQSATPQYIWRMLG GFK					Mascot
3218.4617	3218.5154	0.0537	17	37	65	CQDLESQTALDKMVDG IATSWVNSSNFK			Oxidation (M)[14]		Mascot
3218.4617	3218.5154	0.0537	17	37	65	CQDLESQTALDKMVDG IATSWVNSSNFK			Oxidation (M)[14]		Mascot
3338.7485	3338.6836	-0.0649	-19	50	80	MVDGIATSWVNSSNFKL ALLGMDLLSALVTR			Oxidation (M)[1]		Mascot

47	PREDICTED: inositol 1,4,5-trisphosphate receptor type 2, partial [Danio rerio]						gi 326676026	226480.1	6.12	17	30	0	15	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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		803.4443	803.3616	-0.0827	-103	1188	1194	LCSPAKK								Carbamidomethyl (C)[2]	Mascot
		902.5557	902.4664	-0.0893	-99	1180	1187	EILLSLSK									Mascot
		973.5353	973.4905	-0.0448	-46	807	814	LWTEIPSK									Mascot
		973.5353	973.4905	-0.0448	-46	807	814	LWTEIPSK									Mascot
		1213.6113	1213.5719	-0.0394	-32	66	74	YSAQRQFWK									Mascot
		1234.5554	1234.6538	0.0984	80	422	431	IGTCHMKEDK								Carbamidomethyl (C)[4], Oxidation (M)[6]	Mascot
		1325.6154	1325.7146	0.0992	75	1675	1685	EMFDEKGNALR	17	0						Oxidation (M)[2]	Mascot
		1325.6163	1325.7146	0.0983	74	55	65	DCLFKVCPMNR									Mascot
		1434.6536	1434.7355	0.0819	57	815	825	ISVNEYDYEFR									Mascot
		1475.7498	1475.7168	-0.033	-22	556	566	YMLQLCYRTLRL								Oxidation (M)[2]	Mascot
		1584.8129	1584.8403	0.0274	17	236	249	GGDVVRLFHAEQEK									Mascot
		1584.8129	1584.8403	0.0274	17	236	249	GGDVVRLFHAEQEK									Mascot
		1648.7812	1648.7839	0.0027	2	1043	1057	SPVDLDDEGGQTFLR									Mascot
		1844.8969	1844.8348	-0.0621	-34	940	956	GLMMPHCLPDAQPIHGK									Mascot
		1844.8969	1844.8348	-0.0621	-34	940	956	GLMMPHCLPDAQPIHGK									Mascot
		2000.9423	2000.9335	-0.0088	-4	242	257	LFHAEQEKFLTCDEYK									Mascot
		2053.875	2053.9241	0.0491	24	768	784	CMFDDCLPYNLRASFCR									Mascot
		2224.9395	2225.0662	0.1267	57	768	784	CMFDDCLPYNLRASFCR								Carbamidomethyl (C)[1,6,16]	Mascot
		2224.9395	2225.0662	0.1267	57	768	784	CMFDDCLPYNLRASFCR								Carbamidomethyl (C)[1,6,16]	Mascot
		2247.1477	2247.0203	-0.1274	-57	726	743	LDTDIITYRCQLNLFAK								Carbamidomethyl (C)[11]	Mascot
		2367.0024	2367.2065	0.2041	86	1269	1287	TMCYIFMNNYHLCNEISDR									Mascot
		2455.2107	2455.083	-0.1277	-52	1512	1531	LYNCTWLNLSLQKTNIEGK								Carbamidomethyl (C)[4,18]	Mascot
48	PREDICTED: tripartite motif-containing protein 35-like [Danio rerio]	gi 326678845	52995.6	8.51	10	30	0										

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.4523	856.5068	0.0545	64	111	117	DSEKHLK					Mascot
1045.5887	1045.5409	-0.0478	-46	131	139	KEELNTALK					Mascot
1082.4976	1082.4855	-0.0121	-11	33	40	ECLQEFWK					Mascot
1106.4718	1106.5333	0.0615	56	43	51	NTQECPVCR			Carbamidomethyl (C)[5]		Mascot
1347.6508	1347.6968	0.046	34	41	51	IKNTQECPVCR			Carbamidomethyl (C)[7]		Mascot
2211.1372	2211.0537	-0.0835	-38	52	71	RPSMADPPVNLALKNLCESR					Mascot
2284.1536	2284.1206	-0.033	-14	52	71	RPSMADPPVNLALKNLCESR			Carbamidomethyl (C)[17], Oxidation (M)[4]		Mascot

	2296.9922	2297.1343	0.1421	62	1	19	MASSAEYDYICPVCQDIF K		Carbamidomethyl (C)[11,14]	Mascot	
	2455.1606	2455.083	-0.0776	-32	20	40	TPVILSCGHSFCKECLQE FWK			Mascot	
	2596.2793	2596.2539	-0.0254	-10	43	65	NTQECPVCRPPSMADPP VNLALK		Carbamidomethyl (C)[5]	Mascot	
	2596.2793	2596.2539	-0.0254	-10	43	65	NTQECPVCRPPSMADPP VNLALK		Carbamidomethyl (C)[5]	Mascot	
	3338.6572	3338.6836	0.0264	8	281	309	MQDIVQYTPVILNPNTAH PELELSDDLTR		Oxidation (M)[1]	Mascot	
49	Arginyl-tRNA synthetase [Danio rerio]					gi 53734470	75716.9	6.22	12	30	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
973.4948	973.4905	-0.0043	-4	354	362	GLVEVDEGR					Mascot
973.4948	973.4905	-0.0043	-4	354	362	GLVEVDEGR					Mascot
1058.4313	1058.5662	0.1349	127	281	288	FDEDEEFK					Mascot
1082.4969	1082.4855	-0.0114	-11	215	224	STIIGDSMCR					Mascot
1316.7242	1316.6663	-0.0579	-44	463	473	LMDLLEEGLKR					Mascot
1475.7675	1475.7168	-0.0507	-34	649	661	GFDILGINPVQRM			Oxidation (M)[13]		Mascot
1584.838	1584.8403	0.0023	1	437	451	VEHAGFGVVLGEDKK					Mascot
1584.838	1584.8403	0.0023	1	437	451	VEHAGFGVVLGEDKK					Mascot
1638.7904	1638.8247	0.0343	21	1	14	MGDPVTEYASRLQR			Oxidation (M)[1]		Mascot
1729.9384	1729.7338	-0.2046	-118	529	543	GNTAAYLLYAFTRIR					Mascot
2047.7687	2047.9043	0.1356	66	111	127	FGDYQCNSAMAMSQMMK			Carbamidomethyl (C)[6], Oxidation (M)[10,12,15]		Mascot
2054.0054	2053.9241	-0.0813	-40	631	648	VNMWRMLLCEATAAVMAK			Oxidation (M)[3]		Mascot
2246.9006	2247.0203	0.1197	53	111	129	FGDYQCNSAMAMSQMMKAK			Carbamidomethyl (C)[6], Oxidation (M)[10,12,15]		Mascot
2262.8955	2263.0032	0.1077	48	111	129	FGDYQCNSAMAMSQMMKAK			Carbamidomethyl (C)[6], Oxidation (M)[10,12,15,16]		Mascot
2284.0149	2284.1206	0.1057	46	335	353	GESYYQDMMTAVVKEFEK					Mascot
2300.0098	2300.126	0.1162	51	335	353	GESYYQDMMTAVVKEFEK			Oxidation (M)[8]		Mascot

50	si:dkey-189g17.2 [Danio rerio]					gi 190570242	106521.3	5.47	1	26	41.033
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1325.7899	1325.7146	-0.0753	-57	914	924	QRIVDALLELR	26	41.033		2	Mascot

Gel Idx/Pos	186/H13	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	hypothetical protein LOC559969 [Danio rerio]	gi 113678532	77970.3	6.17	12	419	100	375	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
973.5101	973.4948	-0.0153	-16	424	431	LVVWGEDR					Mascot
973.5101	973.4948	-0.0153	-16	424	431	LVVWGEDR	23	0			Mascot
1058.5887	1058.5728	-0.0159	-15	531	538	RLNVLQCR			Carbamidomethyl (C)[7]		Mascot
1325.7423	1325.719	-0.0233	-18	355	365	LPLSQEQIELR	39	96.544			Mascot
1325.7423	1325.719	-0.0233	-18	355	365	LPLSQEQIELR					Mascot
1563.8376	1563.8088	-0.0288	-18	272	286	IIEEAPGPGISPEVR					Mascot
1563.8376	1563.8088	-0.0288	-18	272	286	IIEEAPGPGISPEVR	68	99.996			Mascot
1584.8744	1584.8456	-0.0288	-18	131	145	QEGIIFIGPPSSAIR	51	99.799			Mascot
1584.8744	1584.8456	-0.0288	-18	131	145	QEGIIFIGPPSSAIR					Mascot
1773.968	1773.7863	-0.1817	-102	1	16	MAAVFLKTHINGTINK			Oxidation (M)[1]		Mascot
1844.8773	1844.845	-0.0323	-18	204	219	IAQSEAEFHEQLESAR	75	100			Mascot
1844.8773	1844.845	-0.0323	-18	204	219	IAQSEAEFHEQLESAR					Mascot
1881.0439	1881.0011	-0.0428	-23	349	365	VAAGEKLPLSQEQIELR					Mascot
2117.9807	2117.9473	-0.0334	-16	549	568	VAVSITYNPDGTYSMETG GR					Mascot
2371.1353	2371.0925	-0.0428	-18	242	261	HVEVQVFGDQYGDAVYL FER					Mascot
2371.1353	2371.0925	-0.0428	-18	242	261	HVEVQVFGDQYGDAVYL FER	118	100			Mascot
2580.3127	2580.2661	-0.0466	-18	327	348	LQVEHPVSEMITGTDLVE WQLR					Mascot
2596.3076	2596.2666	-0.041	-16	327	348	LQVEHPVSEMITGTDLVE WQLR			Oxidation (M)[10]		Mascot
3227.5869	3227.5364	-0.0505	-16	373	402	IYAEDPNNNFLPGAGPLL HLSTPPGDHNTR					Mascot

2	hypothetical protein LOC792190 [Danio rerio]	gi 224495957	78018.4	6.21	11	412	100	375	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
973.5101	973.4948	-0.0153	-16	424	431	LVVWGEDR					Mascot
973.5101	973.4948	-0.0153	-16	424	431	LVVWGEDR	23	0			Mascot

	1058.5887	1058.5728	-0.0159	-15	531	538	RLNVLQCR					Carbamidomethyl (C)[7]	Mascot
	1325.7423	1325.719	-0.0233	-18	355	365	LPLSSEQIELR	39	96.544				Mascot
	1325.7423	1325.719	-0.0233	-18	355	365	LPLSSEQIELR						Mascot
	1563.8376	1563.8088	-0.0288	-18	272	286	IIEEAPGPGISPEVR						Mascot
	1563.8376	1563.8088	-0.0288	-18	272	286	IIEEAPGPGISPEVR	68	99.996				Mascot
	1584.8744	1584.8456	-0.0288	-18	131	145	QEGIIFIGPPSSAIR	51	99.799				Mascot
	1584.8744	1584.8456	-0.0288	-18	131	145	QEGIIFIGPPSSAIR						Mascot
	1773.968	1773.7863	-0.1817	-102	1	16	MAAVFLKTHINGTINK					Oxidation (M)[1]	Mascot
	1844.8773	1844.845	-0.0323	-18	204	219	IAQSEAEFHEQLESAR	75	100				Mascot
	1844.8773	1844.845	-0.0323	-18	204	219	IAQSEAEFHEQLESAR						Mascot
	1881.0439	1881.0011	-0.0428	-23	349	365	VAAGEKLPLSSEQIELR						Mascot
	2117.9807	2117.9473	-0.0334	-16	549	568	VAVSITYNPDGTYSMETG GR						Mascot
	2371.1353	2371.0925	-0.0428	-18	242	261	HVEVQVFGDQYGDVYL FER						Mascot
	2371.1353	2371.0925	-0.0428	-18	242	261	HVEVQVFGDQYGDVYL FER	118	100				Mascot
	2580.3127	2580.2661	-0.0466	-18	327	348	LQVEHPVSEMITGTDLVE WQLR						Mascot
	2596.3076	2596.2666	-0.041	-16	327	348	LQVEHPVSEMITGTDLVE WQLR					Oxidation (M)[10]	Mascot
3	hypothetical protein LOC777632 [Danio rerio]				gi 118150458		77993.3	6.12	10	406	100	375	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
973.5101	973.4948	-0.0153	-16	424	431	LVVWGEDR						Mascot
973.5101	973.4948	-0.0153	-16	424	431	LVVWGEDR	23	0				Mascot
1058.5887	1058.5728	-0.0159	-15	531	538	RLNVLQCR				Carbamidomethyl (C)[7]		Mascot
1325.7423	1325.719	-0.0233	-18	355	365	LPLSSEQIELR	39	96.544				Mascot
1325.7423	1325.719	-0.0233	-18	355	365	LPLSSEQIELR						Mascot
1563.8376	1563.8088	-0.0288	-18	272	286	IIEEAPGPGISPEVR						Mascot
1563.8376	1563.8088	-0.0288	-18	272	286	IIEEAPGPGISPEVR	68	99.996				Mascot
1584.8744	1584.8456	-0.0288	-18	131	145	QEGIIFIGPPSSAIR	51	99.799				Mascot
1584.8744	1584.8456	-0.0288	-18	131	145	QEGIIFIGPPSSAIR						Mascot
1773.968	1773.7863	-0.1817	-102	1	16	MAAVFLKTHINGTINK				Oxidation (M)[1]		Mascot
1844.8773	1844.845	-0.0323	-18	204	219	IAQSEAEFHEQLESAR	75	100				Mascot
1844.8773	1844.845	-0.0323	-18	204	219	IAQSEAEFHEQLESAR						Mascot
1881.0439	1881.0011	-0.0428	-23	349	365	VAAGEKLPLSSEQIELR						Mascot
2371.1353	2371.0925	-0.0428	-18	242	261	HVEVQVFGDQYGDVYL FER						Mascot
2371.1353	2371.0925	-0.0428	-18	242	261	HVEVQVFGDQYGDVYL	118	100				Mascot

	2580.3127	2580.2661	-0.0466	-18	327	348	FER LQVEHPVSEMITGDLVE WQLR							Mascot
	2596.3076	2596.2666	-0.041	-16	327	348	LQVEHPVSEMITGDLVE WQLR	Oxidation (M)[10]						Mascot
4	SH3 domain-binding protein 4-A [Danio rerio]				gi 45387913		104947.5	7.73	14	40	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5822	842.495	-0.0872	-103	634	640	LIKTVIR					Mascot
850.4338	850.5255	0.0917	108	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.5257	0.0531	61	1	7	MAHRIR			Oxidation (M)[1]		Mascot
973.5829	973.4948	-0.0881	-90	666	673	LKGQLWTK					Mascot
973.5829	973.4948	-0.0881	-90	666	673	LKGQLWTK					Mascot
1045.4796	1045.5449	0.0653	62	762	770	AELDSEPER					Mascot
1434.7158	1434.745	0.0292	20	885	896	DVIHELHMGDLR					Mascot
1657.8651	1657.7596	-0.1055	-64	365	378	SFITLEMKVSVMT			Oxidation (M)[7]		Mascot
2118.1958	2117.9473	-0.2485	-117	607	624	IILSPLAITTKYPQFQER					Mascot
2230.2417	2230.1536	-0.0881	-40	813	831	LIMDFVLLTTAVEVAPRW R					Mascot
2284.2368	2284.1323	-0.1045	-46	463	484	TVVAIFGHDCAPKTLVS EVGK					Mascot
2300.0686	2300.1367	0.0681	30	568	587	DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5]		Mascot
3227.677	3227.5364	-0.1406	-44	907	936	HLTGTLILVNCLDLLRSSA FSPAPQDDFAI					Mascot
3337.6052	3337.6936	0.0884	26	269	298	LARSCHDLESLGQNPWG GQTQPVETNIVCK			Carbamidomethyl (C)[5]		Mascot
3338.5496	3338.7061	0.1565	47	856	884	TGMVDSEAMWKPAYDFL LTWAAQIGDSYR			Oxidation (M)[3]		Mascot

5	PREDICTED: bromodomain adjacent to zinc finger domain protein 1A, partial [Danio rerio]				gi 125841384		81560.8	6.03	12	40	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.3999	1045.5449	0.145	139	303	310	EQMMSMEK			Oxidation (M)[3,4]		Mascot
1106.4789	1106.5375	0.0586	53	36	43	TYDEFFER					Mascot
1234.7782	1234.6344	-0.1438	-116	2	11	PLLHKKPFVR					Mascot
1277.7939	1277.6868	-0.1071	-84	393	403	ELPKPIPVKTR					Mascot
1316.5796	1316.6753	0.0957	73	303	312	EQMMSMEKFR					Mascot
1633.8003	1633.802	0.0017	1	535	550	LHILSSGADCGFTNAK					Mascot
1657.7417	1657.7596	0.0179	11	298	310	LMQKKEQMMSMEK			Oxidation (M)[2]		Mascot

	1838.8741	1838.8802	0.0061	3	101	115	LHEICDDVYAYVKDR							Mascot
	1845.0084	1844.845	-0.1634	-89	596	611	ILHSMCGKLLTLVSTR					Carbamidomethyl (C)[6], Oxidation (M)[5]		Mascot
	1845.0084	1844.845	-0.1634	-89	596	611	ILHSMCGKLLTLVSTR					Carbamidomethyl (C)[6], Oxidation (M)[5]		Mascot
	1864.8568	1864.9264	0.0696	37	378	392	LWSKPREDMECDDLK							Mascot
	1880.8517	1881.0011	0.1494	79	378	392	LWSKPREDMECDDLK					Oxidation (M)[9]		Mascot
	1993.9912	1993.9388	-0.0524	-26	535	552	LHILSSGADCGFTNAKFR					Carbamidomethyl (C)[10]		Mascot
	2283.1836	2283.1423	-0.0413	-18	195	215	VQPVSPACEPVIVKVAQ					Oxidation (M)[19]		Mascot
	2283.1836	2283.1423	-0.0413	-18	195	215	MSR VQPVSPACEPVIVKVAQ MSR					Oxidation (M)[19]		Mascot

6

MCM6 minichromosome maintenance deficient 6, like [Danio rerio]

gi|70887711

93152.1

5.23

13

39

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.49	856.5079	0.0179	21	87	93	AVRHFAR					Mascot
973.5789	973.4948	-0.0841	-86	117	124	IRELSTVR					Mascot
973.5789	973.4948	-0.0841	-86	117	124	IRELSTVR					Mascot
996.5261	996.58	0.0539	54	194	201	FVDFQKGR					Mascot
996.5261	996.58	0.0539	54	194	201	FVDFQKGR					Mascot
1165.6252	1165.724	0.0988	85	747	755	SELINWYLK					Mascot
1165.6252	1165.724	0.0988	85	747	755	SELINWYLK					Mascot
1234.7228	1234.6344	-0.0884	-72	361	372	GILLMLFGGVAK			Oxidation (M)[5]		Mascot
1277.6195	1277.6868	0.0673	53	321	330	NQMTVLEWEK					Mascot
1325.7899	1325.719	-0.0709	-53	212	223	GSIPRSVEVILR					Mascot
1325.7899	1325.719	-0.0709	-53	212	223	GSIPRSVEVILR					Mascot
1347.6508	1347.6898	0.039	29	512	523	QNVNMSAPIMSR					Mascot
1475.7502	1475.7279	-0.0223	-15	90	102	HFARDHGNIPPSK					Mascot
1707.8306	1707.7456	-0.085	-50	168	182	YTQPTICKNPVCANR					Mascot
2211.1875	2211.0635	-0.124	-56	361	381	GILLMLFGGVAKTTMEGT SLR			Oxidation (M)[5]		Mascot
2297.1812	2297.1516	-0.0296	-13	575	593	QFQPKITVEAQEFVVDQY K					Mascot
2580.2949	2580.2661	-0.0288	-11	138	160	THPVHPELVSGTFLCLDC QSVIK			Carbamidomethyl (C)[15]		Mascot

7

Synbl protein [Danio rerio]

gi|141796272

31226.2

5.37

8

38

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	842.5709	842.495	-0.0759	-90	18	24	VEKLLLK						Mascot
	1045.6769	1045.5449	-0.132	-126	171	179	LLFLLSALR						Mascot
	1058.6503	1058.5728	-0.0775	-73	256	264	LRLIAGIMR			Oxidation (M)[8]			Mascot
	1328.7831	1328.7145	-0.0686	-52	46	56	LCQGLLTVLRR			Carbamidomethyl (C)[2]			Mascot
	1495.7937	1495.8158	0.0221	15	265	276	HLLMLKTHTEEK			Oxidation (M)[4]			Mascot
	1563.7384	1563.8088	0.0704	45	2	16	SLSDILSEIDGGDDK						Mascot
	1563.7384	1563.8088	0.0704	45	2	16	SLSDILSEIDGGDDK						Mascot
	1838.8688	1838.8802	0.0114	6	1	17	MSLSDILSEIDGGDDKK			Oxidation (M)[1]			Mascot
	2283.0193	2283.1423	0.123	54	98	118	ICVAGHEGEPLLEAQSAE EER						Mascot
	2283.0193	2283.1423	0.123	54	98	118	ICVAGHEGEPLLEAQSAE EER						Mascot
8	PREDICTED: chromodomain-helicase-DNA-binding protein 9-like [Danio rerio]					gi 326669481	278654.9	8.67	23	38	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4665	842.495	0.0285	34	1477	1483	AMARLHK			Oxidation (M)[2]		Mascot
870.5043	870.5257	0.0214	25	1807	1815	NASVVPGVK					Mascot
1051.5604	1051.6952	0.1348	128	603	611	NCKLLEGFK					Mascot
1104.5895	1104.561	-0.0285	-26	2345	2355	SSALNLSLDGK					Mascot
1106.5437	1106.5375	-0.0062	-6	2356	2365	AERTEAQSSK					Mascot
1179.6481	1179.5756	-0.0725	-61	1046	1055	KQTRPFSSTK					Mascot
1234.6249	1234.6344	0.0095	8	1294	1303	ADPKLCFLDR			Carbamidomethyl (C)[6]		Mascot
1279.6021	1279.7494	0.1473	115	477	488	NCILADEMGLGK			Oxidation (M)[8]		Mascot
1320.5897	1320.5619	-0.0278	-21	1492	1501	YLCAFIAMCR			Carbamidomethyl (C)[3,9], Oxidation (M)[8]		Mascot
1347.675	1347.6898	0.0148	11	1695	1706	DDILKVGESER					Mascot
1460.6959	1460.7313	0.0354	24	1492	1502	YLCAFIAMCRR			Carbamidomethyl (C)[3,9]		Mascot
1493.7668	1493.7123	-0.0545	-36	807	818	CLDILEDYLIQR					Mascot
1699.861	1699.9062	0.0452	27	2137	2151	NPNKIDINSLTGEER					Mascot
1773.9718	1773.7863	-0.1855	-105	1161	1176	ELQNHGLGLSTPVPRGR					Mascot
2211.0322	2211.0635	0.0313	14	1589	1606	TDYHILRDPELCYMAAQR			Oxidation (M)[14]		Mascot
2230.0715	2230.1536	0.0821	37	459	475	DYQLEGVNWLLFNWYNR					Mascot
2282.9988	2283.1423	0.1435	63	356	374	AHFFAEDPFPNDYVEV DR					Mascot
2282.9988	2283.1423	0.1435	63	356	374	AHFFAEDPFPNDYVEV DR					Mascot
2297.3015	2297.1516	-0.1499	-65	502	522	TGIKGPFLIIAPLSTIANWE R					Mascot
2298.146	2298.1445	-0.0015	-1	1901	1922	LLDNASTLPEDPSDSPQ GSKVK					Mascot

	2371.22	2371.0925	-0.1275	-54	424	443	LQAAKPHTNRMERPPAS HWK					Oxidation (M)[11]	Mascot
	2371.22	2371.0925	-0.1275	-54	424	443	LQAAKPHTNRMERPPAS HWK					Oxidation (M)[11]	Mascot
	2384.2014	2383.9158	-0.2856	-120	1506	1527	LPAIEGDMVDSSLAIQPIT EER						Mascot
	2705.2483	2705.1128	-0.1355	-50	1262	1283	SEMPAMWWDMLSDKCL LLGVYK					Carbamidomethyl (C)[15], Oxidation (M)[3,6]	Mascot
	3338.5801	3338.7061	0.126	38	1548	1575	HPQLYEHLALCQPGPDL PVWWETGSHDR					Carbamidomethyl (C)[11]	Mascot
9	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12 [Danio rerio]						gi 74315939	16958.4	9.39	6	36	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4501	882.5508	0.1007	114	2	9	AGYATLMR					Mascot
1045.4805	1045.5449	0.0644	62	1	9	MAGYATLMR			Oxidation (M)[1,8]		Mascot
1234.6215	1234.6344	0.0129	10	11	22	FVGFTGHGGVK					Mascot
1460.7955	1460.7313	-0.0642	-44	31	44	VQETKTGALIGTDK					Mascot
2117.9419	2117.9473	0.0054	3	90	107	WLHCMTDDPPTTHPPEP K			Oxidation (M)[5]		Mascot
2230.042	2230.1536	0.1116	50	90	108	WLHCMTDDPPTTHPPEP KK					Mascot

10	PREDICTED: microtubule-associated protein 6-like [Danio rerio]						gi 292621423	42669	9.6	9	36	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.421	864.4794	0.0584	68	113	119	NQYQPSK					Mascot
973.5173	973.4948	-0.0225	-23	220	228	RSAADALNR					Mascot
973.5173	973.4948	-0.0225	-23	220	228	RSAADALNR					Mascot
1165.7052	1165.724	0.0188	16	317	326	HNLSLTKPKK					Mascot
1165.7052	1165.724	0.0188	16	317	326	HNLSLTKPKK					Mascot
1179.6368	1179.5756	-0.0612	-52	300	309	IRSLYSEPSK					Mascot
1234.5984	1234.6344	0.036	29	201	211	EPVSEASKMEK					Mascot
1316.644	1316.6753	0.0313	24	282	293	GEQAKPQTTDNK					Mascot
1563.7341	1563.8088	0.0747	48	2	14	AWPCITRACCINR			Carbamidomethyl (C)[4]		Mascot
1563.7341	1563.8088	0.0747	48	2	14	AWPCITRACCINR			Carbamidomethyl (C)[4]		Mascot
1584.7297	1584.8456	0.1159	73	9	21	ACCINRFWSELDK					Mascot
1584.7297	1584.8456	0.1159	73	9	21	ACCINRFWSELDK					Mascot
1657.8391	1657.7596	-0.0795	-48	352	367	TSVSNQEPKPEGGVTK					Mascot

11 ATPase, Ca++ transporting, plasma membrane 3a [Danio rerio] gi|49903091 79409.9 5.25 13 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4131	864.4794	0.0663	77	626	632	DKDEMVK					Mascot
882.4501	882.5508	0.1007	114	609	615	CSFILSR			Carbamidomethyl (C)[1]		Mascot
973.604	973.4948	-0.1092	-112	358	366	SVLQGKLT					Mascot
973.604	973.4948	-0.1092	-112	358	366	SVLQGKLT					Mascot
1165.6074	1165.724	0.1166	100	84	93	VFGMNFIPK			Oxidation (M)[4]		Mascot
1165.6074	1165.724	0.1166	100	84	93	VFGMNFIPK			Oxidation (M)[4]		Mascot
1277.7074	1277.6868	-0.0206	-16	83	93	KVFGMNFIPK					Mascot
1347.6759	1347.6898	0.0139	10	633	644	KVIEPMACDGLR			Oxidation (M)[6]		Mascot
1633.7924	1633.802	0.0096	6	322	335	KQDEAVAMEMQPLK			Oxidation (M)[8]		Mascot
1699.8142	1699.9062	0.092	54	581	595	KSMSTVIQMPDGSFR			Oxidation (M)[3]		Mascot
1993.8412	1993.9388	0.0976	49	457	474	HLDACETMGNATAICSDK			Carbamidomethyl (C)[5,15]		Mascot
2118.0205	2117.9473	-0.0732	-35	254	273	SIDKDPMLLSGTHVMEGSGK			Oxidation (M)[7]		Mascot
2211.2053	2211.0635	-0.1418	-64	200	220	NSTVIQIPVAEMVVGDIQVK					Mascot
2596.3359	2596.2666	-0.0693	-27	508	531	TLELISSAIAVNCAYTSKIMPADK			Carbamidomethyl (C)[13]		Mascot
2705.2075	2705.1128	-0.0947	-35	451	474	DNNLVRHLDACETMGNATAICSDK			Carbamidomethyl (C)[11,21]		Mascot

12 Arginyl-tRNA synthetase [Danio rerio] gi|53734470 75716.9 6.22 13 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
973.4948	973.4948	0	0	354	362	GLVEVDEGR					Mascot
973.4948	973.4948	0	0	354	362	GLVEVDEGR	2	0			Mascot
1058.4313	1058.5728	0.1415	134	281	288	FDEDEEFK					Mascot
1316.7242	1316.6753	-0.0489	-37	463	473	LMDLLEEGLKR					Mascot
1328.7321	1328.7145	-0.0176	-13	649	660	GFDILGINPVQR					Mascot
1385.7463	1385.7235	-0.0228	-16	225	235	LFEFLGYEVLR					Mascot
1460.7532	1460.7313	-0.0219	-15	529	541	GNTAAYLLYAFTR					Mascot
1475.7675	1475.7279	-0.0396	-27	649	661	GFDILGINPVQRM			Oxidation (M)[13]		Mascot
1495.8267	1495.8158	-0.0109	-7	155	168	TEIAGPGFINVHLK					Mascot
1584.838	1584.8456	0.0076	5	437	451	VEHAGFGVVLGEDKK					Mascot
1584.838	1584.8456	0.0076	5	437	451	VEHAGFGVVLGEDKK					Mascot

	1638.7904	1638.8326	0.0422	26	1	14	MGDPVTEYASRLQR		Oxidation (M)[1]		Mascot
	1699.8723	1699.9062	0.0339	20	319	332	EFQKVYNCLDISIK				Mascot
	2246.9006	2247.063	0.1624	72	111	129	FGDYQCNSAMAMSQMM KAK		Carbamidomethyl (C)[6], Oxidation (M)[10,12,15]		Mascot
	2284.0149	2284.1323	0.1174	51	335	353	GESYYQDMMTAVVKEFE EK				Mascot
	2300.0098	2300.1367	0.1269	55	335	353	GESYYQDMMTAVVKEFE EK		Oxidation (M)[8]		Mascot
13	60S ribosomal protein L28 [Danio rerio]					gi 41055030	15629.8	12.11	6	35	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.4787	856.5079	0.0292	34	41	47	FNGLIHR					Mascot
1051.5895	1051.6952	0.1057	101	13	21	NSSSFLIKR					Mascot
1213.7375	1213.5818	-0.1557	-128	89	99	ATLASVRNIIR					Mascot
1279.6753	1279.7494	0.0741	58	69	80	SGQRKPATSYGK					Mascot
1639.0013	1638.8326	-0.1687	-103	114	128	RVSAILSSQKPVVVR					Mascot
2230.1802	2230.1536	-0.0266	-12	2	20	ASPHLQWMVIRNSSSFLI K			Oxidation (M)[8]		Mascot

14	novel protein similar to human and mouse myeloid/lymphoid or mixed-lineage leukemia 3 (MLL3) [Danio					gi 157885936	82601.8	9.38	14	35	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.5189	864.4794	-0.0395	-46	636	642	ELLYKAK					Mascot
870.4679	870.5257	0.0578	66	140	147	SISEGHLK					Mascot
971.4879	971.525	0.0371	38	343	349	CFSVFRR			Carbamidomethyl (C)[1]		Mascot
996.5948	996.58	-0.0148	-15	462	470	VLGPVAERR					Mascot
996.5948	996.58	-0.0148	-15	462	470	VLGPVAERR					Mascot
1045.6152	1045.5449	-0.0703	-67	602	611	IQGLGLFAAR					Mascot
1106.5323	1106.5375	0.0052	5	35	43	ITKDEEESR					Mascot
1325.6089	1325.719	0.1101	83	275	285	GQTVVCAFCQR			Carbamidomethyl (C)[6,9]		Mascot
1325.6089	1325.719	0.1101	83	275	285	GQTVVCAFCQR			Carbamidomethyl (C)[6,9]		Mascot
1460.6863	1460.7313	0.045	31	188	200	VAPQSSESELEER					Mascot
1495.7257	1495.8158	0.0901	60	273	285	QRGQTVVCAFCQR					Mascot
1584.776	1584.8456	0.0696	44	616	628	QTMVIEYMGDILR			Oxidation (M)[3]		Mascot
1584.776	1584.8456	0.0696	44	616	628	QTMVIEYMGDILR			Oxidation (M)[3]		Mascot
1707.8483	1707.7456	-0.1027	-60	499	513	IAESLPGVEACSRYSR			Carbamidomethyl (C)[11]		Mascot

	1880.9487	1881.0011	0.0524	28	440	456	VIEQGYEDLVLTDTSAK							Mascot
	2225.0112	2225.0808	0.0696	31	668	686	YINHSCSPNCVAEVVTFE R	Carbamidomethyl (C)[6]						Mascot
	2225.0112	2225.0808	0.0696	31	668	686	YINHSCSPNCVAEVVTFE R	Carbamidomethyl (C)[6]						Mascot
	2283.1562	2283.1423	-0.0139	-6	328	348	GAGAAAAGLHVEHQLRCF SVFR	Carbamidomethyl (C)[16]						Mascot
	2283.1562	2283.1423	-0.0139	-6	328	348	GAGAAAAGLHVEHQLRCF SVFR	Carbamidomethyl (C)[16]						Mascot
15	transcription elongation factor B polypeptide 1 [Danio rerio]						gi 73088652	12495	4.74	5	35	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1325.6381	1325.719	0.0809	61	73	82	VCMYFTYKVR			Oxidation (M)[3]		Mascot
1325.6381	1325.719	0.0809	61	73	82	VCMYFTYKVR			Oxidation (M)[3]		Mascot
1563.6454	1563.8088	0.1634	104	7	20	TYGGCEGPDAMYVK			Carbamidomethyl (C)[5], Oxidation (M)[11]		Mascot
1563.6454	1563.8088	0.1634	104	7	20	TYGGCEGPDAMYVK			Carbamidomethyl (C)[5], Oxidation (M)[11]		Mascot
2118.0398	2117.9473	-0.0925	-44	64	80	EIPSHVLSKVCMYFTYK			Carbamidomethyl (C)[11], Oxidation (M)[12]		Mascot
2211.0134	2211.0635	0.0501	23	44	63	AMLSGPGQFAENETNEV NFR					Mascot
2282.925	2283.1423	0.2173	95	1	20	MDSEEKTYGGCEGPDA MYVK			Carbamidomethyl (C)[11], Oxidation (M)[1]		Mascot
2282.925	2283.1423	0.2173	95	1	20	MDSEEKTYGGCEGPDA MYVK			Carbamidomethyl (C)[11], Oxidation (M)[1]		Mascot

16	plasma membrane calcium ATPase 3a [Danio rerio]						gi 313482836	129460.6	5.41	16	34	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4131	864.4794	0.0663	77	626	632	DKDEMVK					Mascot
882.4501	882.5508	0.1007	114	609	615	CSFILSR			Carbamidomethyl (C)[1]		Mascot
973.604	973.4948	-0.1092	-112	358	366	SVLQGKLTk					Mascot
973.604	973.4948	-0.1092	-112	358	366	SVLQGKLTk					Mascot
1165.6074	1165.724	0.1166	100	84	93	VFGMNFIPPK			Oxidation (M)[4]		Mascot
1165.6074	1165.724	0.1166	100	84	93	VFGMNFIPPK			Oxidation (M)[4]		Mascot
1277.7074	1277.6868	-0.0206	-16	83	93	KVFGMNFIPPK					Mascot
1320.6763	1320.5619	-0.1144	-87	917	927	NNPLISRTMMK			Oxidation (M)[9]		Mascot
1347.6759	1347.6898	0.0139	10	633	644	KVIEPMACDGLR			Oxidation (M)[6]		Mascot
1633.7924	1633.802	0.0096	6	322	335	KQDEAVAMEMQPLK			Oxidation (M)[8]		Mascot
1699.8142	1699.9062	0.092	54	581	595	KSMSTVIQMPDGSFR			Oxidation (M)[3]		Mascot
1864.8026	1864.9264	0.1238	66	719	734	CGIIHPGDDFLCMEGK			Carbamidomethyl (C)[1,12], Oxidation (M)[13]		Mascot

	1993.8412	1993.9388	0.0976	49	457	474	HLDACETMGNATAICSDK		Carbamidomethyl (C)[5,15]	Mascot	
	2118.0205	2117.9473	-0.0732	-35	254	273	SIDKDPMLLSGTHVMEG SGK		Oxidation (M)[7]	Mascot	
	2211.2053	2211.0635	-0.1418	-64	200	220	NSTVIQIPVAEMVVG DIA QVK			Mascot	
	2282.999	2283.1423	0.1433	63	719	738	CGIIHPGDDFLCMEGKDF NR		Oxidation (M)[13]	Mascot	
	2282.999	2283.1423	0.1433	63	719	738	CGIIHPGDDFLCMEGKDF NR		Oxidation (M)[13]	Mascot	
	2596.3359	2596.2666	-0.0693	-27	508	531	TLELISSAIVNCAYTSKI MPADK		Carbamidomethyl (C)[13]	Mascot	
	2705.2075	2705.1128	-0.0947	-35	451	474	DNNLVRHLDACETMGNA TAICSDK		Carbamidomethyl (C)[11,21]	Mascot	
17	Synembryn-like [Danio rerio]				gi 94574123		59482.8	5.37	10	34	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5709	842.495	-0.0759	-90	18	24	VEKLLLK					Mascot
1045.6769	1045.5449	-0.132	-126	171	179	LLFLLSALR					Mascot
1058.6503	1058.5728	-0.0775	-73	256	264	LRLIAGIMR			Oxidation (M)[8]		Mascot
1325.6921	1325.719	0.0269	20	399	410	QGAAEFLFVLCK					Mascot
1325.6921	1325.719	0.0269	20	399	410	QGAAEFLFVLCK					Mascot
1328.7831	1328.7145	-0.0686	-52	46	56	LCQGLLTVLRR			Carbamidomethyl (C)[2]		Mascot
1460.6396	1460.7313	0.0917	63	238	250	ALFNLTMSDSCDK			Oxidation (M)[7]		Mascot
1563.7384	1563.8088	0.0704	45	2	16	SLSDILSEIDGGDDK					Mascot
1563.7384	1563.8088	0.0704	45	2	16	SLSDILSEIDGGDDK					Mascot
1838.8688	1838.8802	0.0114	6	1	17	MSLSDILSEIDGGDDKK			Oxidation (M)[1]		Mascot
1865.0023	1864.9264	-0.0759	-41	313	328	GKNMDTVQILLNFMK					Mascot
1880.9972	1881.0011	0.0039	2	313	328	GKNMDTVQILLNFMK			Oxidation (M)[4]		Mascot
2283.0193	2283.1423	0.123	54	98	118	ICVAGHEGEPLLEAQSAE EER					Mascot
2283.0193	2283.1423	0.123	54	98	118	ICVAGHEGEPLLEAQSAE EER					Mascot

18	pyruvate dehydrogenase kinase, isozyme 3b [Danio rerio]				gi 123702577		21003.7	8.49	7	34	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4468	882.5508	0.104	118	30	36	QFLDFGR					Mascot
1045.5499	1045.5449	-0.005	-5	43	50	TSYMFLRK					Mascot
1165.6836	1165.724	0.0404	35	1	9	MKLFICLLK			Carbamidomethyl (C)[6]		Mascot

1165.6836	1165.724	0.0404	35	1	9	MKLFICLLK	Carbamidomethyl (C)[6]	Mascot
1325.6631	1325.719	0.0559	42	162	172	MLINQHSETPR		Mascot
1325.6631	1325.719	0.0559	42	162	172	MLINQHSETPR		Mascot
1838.8636	1838.8802	0.0166	9	162	176	MLINQHSETPRNHVM	Oxidation (M)[1,15]	Mascot
1844.9436	1844.845	-0.0986	-53	158	172	ISFRMLINQHSETPR	Oxidation (M)[5]	Mascot
1844.9436	1844.845	-0.0986	-53	158	172	ISFRMLINQHSETPR	Oxidation (M)[5]	Mascot
2284.1641	2284.1323	-0.0318	-14	97	115	SPEDPHTLNDFLEMLIKIR	Oxidation (M)[14]	Mascot

Peptide Information

20	protein tyrosine phosphatase, receptor type, N polypeptide 2 [Danio rerio]	gi 126540834	32113.7	10.05	7	34	0
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21	PREDICTED: hypothetical protein LOC569436 [Danio rerio]	gi 326678363	352771.2	7.92	27	34	0
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Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
842.4743	842.495	0.0207	25	2664	2669	HFRINR				Mascot
856.4311	856.5079	0.0768	90	1282	1287	ENYFRK				Mascot
864.4131	864.4794	0.0663	77	603	610	LGAEMSEK				Mascot
971.4904	971.525	0.0346	36	617	624	QESPNLQR				Mascot
973.5676	973.4948	-0.0728	-75	1952	1959	LKELDLSR				Mascot
973.5676	973.4948	-0.0728	-75	1952	1959	LKELDLSR				Mascot
1058.588	1058.5728	-0.0152	-14	312	320	SFSYKVSLK				Mascot
1179.6256	1179.5756	-0.05	-42	2297	2306	LSELTDFNK				Mascot
1320.6616	1320.5619	-0.0997	-75	3017	3027	LHLYNCSITEK				Mascot
1347.7454	1347.6898	-0.0556	-41	2092	2102	HCKISTLTFLK		Carbamidomethyl (C)[2]		Mascot
1475.647	1475.7279	0.0809	55	1333	1345	RNNENNQADDASK				Mascot
1495.7859	1495.8158	0.0299	20	1690	1702	STMCKLEILGLSK		Carbamidomethyl (C)[4], Oxidation (M)[3]		Mascot
1584.7257	1584.8456	0.1199	76	1	13	MHSAHQEEQKCIK		Oxidation (M)[1]		Mascot
1584.7257	1584.8456	0.1199	76	1	13	MHSAHQEEQKCIK		Oxidation (M)[1]		Mascot
1699.9086	1699.9062	-0.0024	-1	2183	2197	ELNLNNSRLDSGVR				Mascot
1707.8007	1707.7456	-0.0551	-32	1474	1487	KNVFMDESPELENR				Mascot
1839.0586	1838.8802	-0.1784	-97	2648	2663	LDLEKVNQLAVLLQDK				Mascot
1881.0116	1881.0011	-0.0105	-6	2408	2423	SIIPYLFEEQGKTSR				Mascot
1993.9246	1993.9388	0.0142	7	1066	1082	LLNDVYTDLYMTQCASK		Oxidation (M)[11]		Mascot
2118.0713	2117.9473	-0.124	-59	1024	1041	EDEVANALQDELVIYQR				Mascot
2193.8933	2194.0452	0.1519	69	238	255	HMCIHSGEKPYACDQCGK		Carbamidomethyl (C)[3,13,16], Oxidation (M)[2]		Mascot
2224.9797	2225.0808	0.1011	45	321	339	HHMSLNHEEKPYVCGQCGR				Mascot
2224.9797	2225.0808	0.1011	45	321	339	HHMSLNHEEKPYVCGQCGR				Mascot
2232.8818	2233.0427	0.1609	72	181	199	YHMKMHSDAFSCCEECGK				Mascot
2265.9949	2266.0667	0.0718	32	131	149	HCGNAQHICDLGKSFSFK		Carbamidomethyl (C)[2,9,12]		Mascot
2283.2068	2283.1423	-0.0645	-28	1358	1375	TLTQMYTHFLRFQILQSR				Mascot
2283.2068	2283.1423	-0.0645	-28	1358	1375	TLTQMYTHFLRFQILQSR				Mascot
2297.144	2297.1516	0.0076	3	2728	2748	LNLSDCSISEEGYKALASALR		Carbamidomethyl (C)[6]		Mascot
2297.9961	2298.1445	0.1484	65	321	339	HHMSLNHEEKPYVCGQCGR		Carbamidomethyl (C)[14], Oxidation (M)[3]		Mascot
2371.1301	2371.0925	-0.0376	-16	2158	2178	MNNCELTEKSCSVLATVLSK		Carbamidomethyl (C)[4,11]		Mascot
2371.1301	2371.0925	-0.0376	-16	2158	2178	MNNCELTEKSCSVLATVLSK		Carbamidomethyl (C)[4,11]		Mascot
2705.1799	2705.1128	-0.0671	-25	233	255	ASVNRHMCIHSGEKPYA		Carbamidomethyl (C)[8,18,21]		Mascot

3227.69463227.5364-0.1582-4912121240

CDQCGK
LPLNFDGNETWRDVSSP
ASLDVLLTNLIK

Mascot

22PREDICTED: zinc finger protein 84-like [Danio rerio]gi|32666674348665.59.4113340

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.4457	856.5079	0.0622	73	236	242	NLAVHMR			Oxidation (M)[6]		Mascot
971.4727	971.525	0.0523	54	179	186	SNLDVHMR					Mascot
1058.4393	1058.5728	0.1335	126	390	397	FRCSECEK			Carbamidomethyl (C)[3]		Mascot
1234.5885	1234.6344	0.0459	37	243	253	THTGEKPFSCCK					Mascot
1279.6688	1279.7494	0.0806	63	97	106	LDVHMRVHTR			Oxidation (M)[5]		Mascot
1347.5602	1347.6898	0.1296	96	221	232	SCTCQCGKSF					Mascot
1460.8267	1460.7313	-0.0954	-65	263	274	LNLIAHMRVHTR					Mascot
1475.6609	1475.7279	0.067	45	35	46	EQTNQQNEIDEK					Mascot
1638.8057	1638.8326	0.0269	16	286	298	SFGQKQDLYIHMR			Oxidation (M)[12]		Mascot
1707.736	1707.7456	0.0096	6	215	229	IHTGERSCTCQCGK			Carbamidomethyl (C)[8]		Mascot
2300.0435	2300.1367	0.0932	41	327	346	THTGEKPFACDQCGKSF TTK			Carbamidomethyl (C)[10,13]		Mascot
2371.0806	2371.0925	0.0119	5	187	206	VHTGEKPYTCEQCGKSF SQK			Carbamidomethyl (C)[10,13]		Mascot
2371.0806	2371.0925	0.0119	5	187	206	VHTGEKPYTCEQCGKSF SQK			Carbamidomethyl (C)[10,13]		Mascot
2705.2229	2705.1128	-0.1101	-41	179	201	SNLDVHMRVHTGEKPYT CEQCGK			Carbamidomethyl (C)[18], Oxidation (M)[7]		Mascot

23PREDICTED: tRNA-dihydrouridine synthase 2-like [Danio rerio]gi|29262857456676.66.0411330

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.473	842.495	0.022	26	436	443	TLGLPEGR					Mascot
971.4801	971.525	0.0449	46	77	84	VMFRTCSK					Mascot
1045.4628	1045.5449	0.0821	79	288	295	YCLCQMLR			Oxidation (M)[6]		Mascot
1051.6007	1051.6952	0.0945	90	180	190	TGVAIAIVHGR					Mascot
1058.5518	1058.5728	0.021	20	366	374	DYPPQITPK					Mascot
1277.6041	1277.6868	0.0827	65	129	141	GGMGSALLSDPEK			Oxidation (M)[3]		Mascot
1316.5908	1316.6753	0.0845	64	288	297	YCLCQMLRDR			Oxidation (M)[6]		Mascot
1699.9346	1699.9062	-0.0284	-17	19	33	NILAPMVRVGTLPMR			Oxidation (M)[6,14]		Mascot
1773.851	1773.7863	-0.0647	-36	107	123	LVENDVAADVNMGCPC					Mascot
2384.1484	2383.9158	-0.2326	-98	237	258	ESTGASSVMLARAAMWN			Oxidation (M)[9]		Mascot

		2580.2222	2580.2661	0.0439	17	306	327	PSVFR LHAAQTNQEICEVFGMTE LFNK		Carbamidomethyl (C)[11]	Mascot
		2596.217	2596.2666	0.0496	19	306	327	LHAAQTNQEICEVFGMTE LFNK		Carbamidomethyl (C)[11], Oxidation (M)[16]	Mascot
24	novel protein similar to MCM6 minichromosome maintenance deficient 6, mitotin (<i>S. cerevisiae</i>) (mcm6	gi 169158286	93177.2	5.26	12	33	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.49	856.5079	0.0179	21	87	93	AVRHFAR					Mascot
973.5789	973.4948	-0.0841	-86	117	124	IRELSTVR					Mascot
973.5789	973.4948	-0.0841	-86	117	124	IRELSTVR					Mascot
1165.6252	1165.724	0.0988	85	747	755	SELINWYLK					Mascot
1165.6252	1165.724	0.0988	85	747	755	SELINWYLK					Mascot
1234.7228	1234.6344	-0.0884	-72	361	372	GILLMLFGGVAK			Oxidation (M)[5]		Mascot
1277.6195	1277.6868	0.0673	53	321	330	NQMTVLEWEK					Mascot
1325.7899	1325.719	-0.0709	-53	212	223	GSIPRSVEVILR					Mascot
1325.7899	1325.719	-0.0709	-53	212	223	GSIPRSVEVILR					Mascot
1347.6508	1347.6898	0.039	29	512	523	QNVNMSAPIMSR					Mascot
1475.7502	1475.7279	-0.0223	-15	90	102	HFARDHGNIPPSK					Mascot
1707.8306	1707.7456	-0.085	-50	168	182	YTQPTICKNPVCANR					Mascot
2211.1875	2211.0635	-0.124	-56	361	381	GILLMLFGGVAKTTMEGT SLR			Oxidation (M)[5]		Mascot
2297.1812	2297.1516	-0.0296	-13	575	593	QFQPKITVEAQEFVVDQY K					Mascot
2580.2949	2580.2661	-0.0288	-11	138	160	THPVHPELVSGTFLCLDC QSVIK			Carbamidomethyl (C)[15]		Mascot

25	PREDICTED: transposon TX1 uncharacterized 149 kDa protein-like [Danio rerio]	gi 326674296	180436.7	7.83	20	33	0				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4087	850.5255	0.1168	137	595	601	DITQAMR			Oxidation (M)[6]		Mascot
996.493	996.58	0.087	87	564	571	KQCFSDLR					Mascot
996.493	996.58	0.087	87	564	571	KQCFSDLR					Mascot
1045.5717	1045.5449	-0.0268	-26	662	669	FFFSLEKK					Mascot
1058.6609	1058.5728	-0.0881	-83	1405	1413	VLYKPPLTK					Mascot
1104.5585	1104.561	0.0025	2	476	483	QYTWLHTR					Mascot
1179.6455	1179.5756	-0.0699	-59	1218	1226	VWRLFSLCR					Mascot

	1320.5571	1320.5619	0.0048	4	87	97	CFGCGQEGHLR		Carbamidomethyl (C)[1,4]	Mascot	
	1325.6484	1325.719	0.0706	53	257	267	NVQVVDFFSR			Mascot	
	1325.6484	1325.719	0.0706	53	257	267	NVQVVDFFSR			Mascot	
	1460.7783	1460.7313	-0.047	-32	899	911	TLESFGFGSKFIK			Mascot	
	1475.71	1475.7279	0.0179	12	583	594	LFCQQYAFNVSR			Mascot	
	1495.6715	1495.8158	0.1443	96	551	561	EVFCFFWDQFK			Mascot	
	1638.7904	1638.8326	0.0422	26	648	661	SRYQNLQMDAPSK			Mascot	
	1657.9132	1657.7596	-0.1536	-93	926	941	VNGGLSAPFNISRGIR			Mascot	
	1707.775	1707.7456	-0.0294	-17	1357	1370	DVNLTMMQGTKMYK		Oxidation (M)[6,7,12]	Mascot	
	1838.8265	1838.8802	0.0537	29	71	86	VDGYDYVVFASSETMR			Mascot	
	1994.0642	1993.9388	-0.1254	-63	276	291	IVFVFCYTLFLMGVIR		Carbamidomethyl (C)[6], Oxidation (M)[12]	Mascot	
	2230.1299	2230.1536	0.0237	11	1202	1220	NICLNGLPSFYCGLFKVW R			Mascot	
	2297.25	2297.1516	-0.0984	-43	1422	1443	ILHGIVAVNAFISVVNSSV DDK			Mascot	
	2298.0818	2298.1445	0.0627	27	2	23	AAAMETPASAFSGDAPF ERLSR		Oxidation (M)[4]	Mascot	
	3227.645	3227.5364	-0.1086	-34	1422	1450	ILHGIVAVNAFISVVNSSV DDKICFCGHR		Carbamidomethyl (C)[23,26]	Mascot	
26	hypothetical protein LOC492329 [Danio rerio]				gi 55925514		119622.9	8.99	15	33	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4366	842.495	0.0584	69	90	96	NTTLEHK					Mascot
1058.4645	1058.5728	0.1083	102	694	701	KEACEMFK			Carbamidomethyl (C)[4], Oxidation (M)[6]		Mascot
1325.6519	1325.719	0.0671	51	394	404	CHPKEPTSLEK			Carbamidomethyl (C)[1]		Mascot
1325.6519	1325.719	0.0671	51	394	404	CHPKEPTSLEK			Carbamidomethyl (C)[1]		Mascot
1434.7522	1434.745	-0.0072	-5	666	677	KVSIANMLSWNR			Oxidation (M)[7]		Mascot
1493.6941	1493.7123	0.0182	12	345	358	NPSDYSPAGLECIK					Mascot
1563.8376	1563.8088	-0.0288	-18	794	806	ITQFILDQQDSKK					Mascot
1563.8376	1563.8088	-0.0288	-18	793	805	KITQFILDQQDSK					Mascot
1633.8405	1633.802	-0.0385	-24	198	212	GTSLHLPQSKASDHR					Mascot
1657.7527	1657.7596	0.0069	4	639	653	QPPPPDTSMTDWASK					Mascot
1844.896	1844.845	-0.051	-28	542	558	TNNNPSMAFTPLDIPGR					Mascot
1844.896	1844.845	-0.051	-28	542	558	TNNNPSMAFTPLDIPGR					Mascot
1864.9875	1864.9264	-0.0611	-33	146	161	QKPDIVSDINKDSLR					Mascot
1880.8485	1881.0011	0.1526	81	1016	1031	MDVNNLAMVMAPNCLR			Carbamidomethyl (C)[14], Oxidation (M)[1,8]		Mascot
1993.9713	1993.9388	-0.0325	-16	816	833	KQNSDEEAALPISTYAK					Mascot
2225.1133	2225.0808	-0.0325	-15	753	773	SLAAGWELMAVCLAFFA PSPK			Oxidation (M)[9]		Mascot

	2225.1133	2225.0808	-0.0325	-15	753	773	SLAAGWELMAVCLAFFA PSPK					Oxidation (M)[9]	Mascot
	2247.0354	2247.063	0.0276	12	695	713	EACEMFKLVQAYMGDRP SR					Oxidation (M)[5]	Mascot
	2266.1399	2266.0667	-0.0732	-32	753	773	SLAAGWELMAVCLAFFA PSPK					Carbamidomethyl (C)[12]	Mascot
27	novel protein [Danio rerio]				gi 94733078		59497.8	5.33	10	33	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5709	842.495	-0.0759	-90	18	24	VEKLLLK					Mascot
1045.6769	1045.5449	-0.132	-126	171	179	LLFLLSALR					Mascot
1058.6503	1058.5728	-0.0775	-73	256	264	LRLIAGIMR			Oxidation (M)[8]		Mascot
1325.6921	1325.719	0.0269	20	399	410	QGAAEFLFVLCK					Mascot
1325.6921	1325.719	0.0269	20	399	410	QGAAEFLFVLCK					Mascot
1328.7831	1328.7145	-0.0686	-52	46	56	LCQGLLTVLRR			Carbamidomethyl (C)[2]		Mascot
1460.6396	1460.7313	0.0917	63	238	250	ALFNLTMSDSCDK			Oxidation (M)[7]		Mascot
1495.7937	1495.8158	0.0221	15	265	276	HLLMLKTHTEEK			Oxidation (M)[4]		Mascot
1563.7384	1563.8088	0.0704	45	2	16	SLSDILSEIDGGDDK					Mascot
1563.7384	1563.8088	0.0704	45	2	16	SLSDILSEIDGGDDK					Mascot
1838.8688	1838.8802	0.0114	6	1	17	MSLSDILSEIDGGDDKK			Oxidation (M)[1]		Mascot
2283.0193	2283.1423	0.123	54	98	118	ICVAGHEGEPLLEEAQSAE EER					Mascot
2283.0193	2283.1423	0.123	54	98	118	ICVAGHEGEPLLEEAQSAE EER					Mascot

28 RecName: Full=SH3 domain-binding protein 4-A gi|123888628 108383 7.89 14 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5822	842.495	-0.0872	-103	663	669	LIKTVIR					Mascot
850.4338	850.5255	0.0917	108	387	393	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.5257	0.0531	61	1	7	MAAHRIR			Oxidation (M)[1]		Mascot
973.5829	973.4948	-0.0881	-90	695	702	LKGQLWTK					Mascot
973.5829	973.4948	-0.0881	-90	695	702	LKGQLWTK					Mascot
1045.4796	1045.5449	0.0653	62	791	799	AELDSEPER					Mascot
1434.7158	1434.745	0.0292	20	914	925	DVIHELHMGDLR					Mascot
1657.8651	1657.7596	-0.1055	-64	394	407	SFITLEMKVSVMTTR			Oxidation (M)[7]		Mascot
2118.1958	2117.9473	-0.2485	-117	636	653	IILSPLAITTKYPQFQER					Mascot
2230.2417	2230.1536	-0.0881	-40	842	860	LIMDFVLLTTAVEVAPRW					Mascot

	2284.2368	2284.1323	-0.1045	-46	492	513	R TVVAIFGHDCAPKTLVSEVGK										Mascot
	2300.0686	2300.1367	0.0681	30	597	616	DDQDCILAQFCVQTPQP PPK						Carbamidomethyl (C)[5]				Mascot
	3227.677	3227.5364	-0.1406	-44	936	965	HLTGTLLVNCDLLRSSA FSPAPQDDFAI										Mascot
	3337.6052	3337.6936	0.0884	26	298	327	LARSCHDLES LGQNPWG GQTQPVETNIVCK						Carbamidomethyl (C)[5]				Mascot
	3338.5496	3338.7061	0.1565	47	885	913	TGMVDSEAMWKPAYDFL LTWAAQIGDSYR						Oxidation (M)[3]				Mascot
29	LOC100005466 protein [Danio rerio]				gi 141795779		69366.9	9.49	9	33	0	12	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.5214	973.4948	-0.0266	-27	31	38	DKGITFHR					Mascot
973.5214	973.4948	-0.0266	-27	31	38	DKGITFHR	12	0			Mascot
996.5836	996.58	-0.0036	-4	395	403	TLASIHNLK					Mascot
996.5836	996.58	-0.0036	-4	395	403	TLASIHNLK					Mascot
1385.63	1385.7235	0.0935	67	383	394	NRNTFICTECGK					Mascot
1493.7971	1493.7123	-0.0848	-57	517	528	HQRIHTGEKPYK					Mascot
1563.6025	1563.8088	0.2063	132	12	25	MPDFCAAYGCSNER					Mascot
1563.6025	1563.8088	0.2063	132	12	25	MPDFCAAYGCSNER					Mascot
2224.9788	2225.0808	0.102	46	601	619	HTSAHEEKNCTHSLQFN NA			Carbamidomethyl (C)[10]		Mascot
2224.9788	2225.0808	0.102	46	601	619	HTSAHEEKNCTHSLQFN NA			Carbamidomethyl (C)[10]		Mascot
2266.0479	2266.0667	0.0188	8	468	487	EKPYSKSVCGKSFSQSS SLK			Carbamidomethyl (C)[6,9]		Mascot
2283.0105	2283.1423	0.1318	58	426	444	QPSDHMQHMMTHTGEK PYK					Mascot
2283.0105	2283.1423	0.1318	58	426	444	QPSDHMQHMMTHTGEK PYK					Mascot
2705.2017	2705.1128	-0.0889	-33	423	444	SFRQPSDHMQHMMTHT GEKPYK			Oxidation (M)[9,12]		Mascot

30 PREDICTED: serine/threonine-protein kinase pim-2 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
971.5421	971.525	-0.0171	-18	281	288	GVFHRDIK					Mascot
1277.6406	1277.6868	0.0462	36	118	128	TDSPEKLLSCK			Carbamidomethyl (C)[10]		Mascot
1584.7651	1584.8456	0.0805	51	164	178	EIGEGGFGSVYEGKR					Mascot
1584.7651	1584.8456	0.0805	51	164	178	EIGEGGFGSVYEGKR					Mascot
1657.7164	1657.7596	0.0432	26	266	279	IMEQATTAGLMCCR			Carbamidomethyl (C)[12,13], Oxidation (M)[2]		Mascot

1699.7747	1699.9062	0.1315	77	266	280	IMEQATTAGLMCCRR		Oxidation (M)[2]	Mascot
1844.8621	1844.845	-0.0171	-9	132	148	SSSSSSQEDQTPVQIHK			Mascot
1844.8621	1844.845	-0.0171	-9	132	148	SSSSSSQEDQTPVQIHK			Mascot
2300.3853	2300.1367	-0.2486	-108	198	218	YINILPLEIGLLILAHRRGK			Mascot
3337.5293	3337.6936	0.1643	49	52	78	WESFEKPLSLYAEDDNQWMTFLCGQKR		Oxidation (M)[19]	Mascot

31 novel protein similar to H.sapiens ATPase, Ca++ transporting, plasma membrane (zgc:92885) [Danio re

gi|169145692 138055 5.51 16 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4131	864.4794	0.0663	77	626	632	DKDEMVK					Mascot
882.4501	882.5508	0.1007	114	609	615	CSFILSR			Carbamidomethyl (C)[1]		Mascot
973.604	973.4948	-0.1092	-112	358	366	SVLQGKLTk					Mascot
973.604	973.4948	-0.1092	-112	358	366	SVLQGKLTk					Mascot
1165.6074	1165.724	0.1166	100	84	93	VFGMNFIPPK			Oxidation (M)[4]		Mascot
1165.6074	1165.724	0.1166	100	84	93	VFGMNFIPPK			Oxidation (M)[4]		Mascot
1277.7074	1277.6868	-0.0206	-16	83	93	KVFGMNFIPPK					Mascot
1320.6763	1320.5619	-0.1144	-87	917	927	NNPLISRTMMK			Oxidation (M)[9]		Mascot
1347.6759	1347.6898	0.0139	10	633	644	KVIEPMACDGLR			Oxidation (M)[6]		Mascot
1633.7924	1633.802	0.0096	6	322	335	KQDEAVAMEMQPLK			Oxidation (M)[8]		Mascot
1699.8142	1699.9062	0.092	54	581	595	KSMSTVIQMPDGSFR			Oxidation (M)[3]		Mascot
1864.8026	1864.9264	0.1238	66	719	734	CGIIHPGDDFLCMEGK			Carbamidomethyl (C)[1,12], Oxidation (M)[13]		Mascot
1993.8412	1993.9388	0.0976	49	457	474	HLDACETMGNATAICSDK			Carbamidomethyl (C)[5,15]		Mascot
2118.0205	2117.9473	-0.0732	-35	254	273	SIDKDPMLLSGTHVMEGSGK			Oxidation (M)[7]		Mascot
2211.2053	2211.0635	-0.1418	-64	200	220	NSTVIQIPVAEMVVGDIQVK					Mascot
2282.999	2283.1423	0.1433	63	719	738	CGIIHPGDDFLCMEGKDFNR			Oxidation (M)[13]		Mascot
2282.999	2283.1423	0.1433	63	719	738	CGIIHPGDDFLCMEGKDFNR			Oxidation (M)[13]		Mascot
2596.3359	2596.2666	-0.0693	-27	508	531	TLELISSAIVNCAYTSKIMPADK			Carbamidomethyl (C)[13]		Mascot
2705.2075	2705.1128	-0.0947	-35	451	474	DNNLVRHLDACETMGNATAICSDK			Carbamidomethyl (C)[11,21]		Mascot

32 TCR-alpha V segment II-35 [Danio rerio]

gi|21322357 13424.7 5.37 5 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	1385.7134	1385.7235	0.0101	7	65	77	SPTFMLSFTVVGK						Mascot
	1994.0527	1993.9388	-0.1139	-57	60	77	QLPNRSPTFMLSFTVVGK						Mascot
	2297.2395	2297.1516	-0.0879	-38	2	20	MEKLLIVALFITAQEFVCR			Carbamidomethyl (C)[18], Oxidation (M)[1]			Mascot
	2371.2585	2371.0925	-0.166	-70	1	20	MMEKLLIVALFITAQEFVCR			Oxidation (M)[1]			Mascot
	2371.2585	2371.0925	-0.166	-70	1	20	MMEKLLIVALFITAQEFVCR			Oxidation (M)[1]			Mascot
	3338.5232	3338.7061	0.1829	55	31	59	EMTADKGDVTTLSCNYS VTTTNAYLFWYK			Oxidation (M)[2]			Mascot
33	novel protein [Danio rerio]				gi 123231159		11826.2	9.18	5	32	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.472	864.4794	0.0074	9	15	21	RTSMLTR					Mascot
996.5182	996.58	0.0618	62	49	57	DCPLVAPPK			Carbamidomethyl (C)[2]		Mascot
996.5182	996.58	0.0618	62	49	57	DCPLVAPPK			Carbamidomethyl (C)[2]		Mascot
1045.516	1045.5449	0.0289	28	72	80	QTNITDEPK					Mascot
1633.8076	1633.802	-0.0056	-3	1	14	VVCASYQPLHLMK			Oxidation (M)[12]		Mascot
1773.9138	1773.7863	-0.1275	-72	1	15	VVCASYQPLHLMK					Mascot

34	Ewing tumor-associated antigen 1 [Danio rerio]				gi 162139038		71948.4	6.84	10	32	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
973.4196	973.4948	0.0752	77	159	165	QFDFNMR			Oxidation (M)[6]		Mascot
973.4196	973.4948	0.0752	77	159	165	QFDFNMR			Oxidation (M)[6]		Mascot
996.5836	996.58	-0.0036	-4	28	37	SPKAAAPLNK					Mascot
996.5836	996.58	-0.0036	-4	28	37	SPKAAAPLNK					Mascot
1460.6951	1460.7313	0.0362	25	398	409	LSELNNACHFQK			Carbamidomethyl (C)[8]		Mascot
1475.7085	1475.7279	0.0194	13	2	14	ESRGSQEENEIAK					Mascot
1584.8452	1584.8456	0.0004	0	91	105	AANVRAVDISDIANR					Mascot
1584.8452	1584.8456	0.0004	0	91	105	AANVRAVDISDIANR					Mascot
1880.9573	1881.0011	0.0438	23	575	591	GVLAIVQSEARDTNHR					Mascot
1994.0526	1993.9388	-0.1138	-57	334	351	TKVSQNNISQIQINGGLHR					Mascot
2194.1187	2194.0452	-0.0735	-33	391	409	AQHVVQKLSELNNACHFQK					Mascot
2211.155	2211.0635	-0.0915	-41	413	432	NAIKPSQSKPSSMHQNLSK			Oxidation (M)[13]		Mascot
2384.0354	2383.9158	-0.1196	-50	524	548	AAGPGCNVSCDAARPSGSSNGAYK			Carbamidomethyl (C)[6]		Mascot

35 lactosylceramide alpha-2,3-sialyltransferase [Danio rerio] gi|117606180 41829.7 9.18 8 32 0 6 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.5101	973.4948	-0.0153	-16	226	233	TPVSLWDR					Mascot
973.5101	973.4948	-0.0153	-16	226	233	TPVSLWDR	6	0			Mascot
1058.6027	1058.5728	-0.0299	-28	140	150	CVVVGNGGILK					Mascot
1563.7948	1563.8088	0.014	9	61	73	EILDKECRPSFAR					Mascot
1563.7948	1563.8088	0.014	9	61	73	EILDKECRPSFAR					Mascot
1633.8268	1633.802	-0.0248	-15	213	225	SVDFHWLRAMISR			Oxidation (M)[10]		Mascot
1707.8927	1707.7456	-0.1471	-86	234	247	LFFWQNVPMSPVPK			Oxidation (M)[9]		Mascot
1880.8881	1881.0011	0.113	60	346	364	LVASGSITDLTGGIHCSF C					Mascot
1993.9939	1993.9388	-0.0551	-28	314	330	EAPLHYDVSVPMTTILK			Oxidation (M)[12]		Mascot
2297.01	2297.1516	0.1416	62	187	205	MSYPESCPKVWEDTPD LK			Carbamidomethyl (C)[7]		Mascot

36 Ssfa2 protein [Danio rerio] gi|115313851 31579.7 5.91 7 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1475.6907	1475.7279	0.0372	25	93	106	GHSMESLSNSSALR					Mascot
1563.7319	1563.8088	0.0769	49	190	203	MESNPTPTSLEVSR			Oxidation (M)[1]		Mascot
1563.7319	1563.8088	0.0769	49	190	203	MESNPTPTSLEVSR			Oxidation (M)[1]		Mascot
1707.9136	1707.7456	-0.168	-98	230	244	SRGNGDLQHLIQEIK					Mascot
2117.9504	2117.9473	-0.0031	-1	76	92	NSSQQLGFYRHHMGMR			Oxidation (M)[13,15]		Mascot
2247.0557	2247.063	0.0073	3	184	203	DVSPERMESNPTPTSLE VSR			Oxidation (M)[7]		Mascot
2284.1501	2284.1323	-0.0178	-8	67	85	LLSINEQMRNSSQQLGFY R					Mascot
2297.2725	2297.1516	-0.1209	-53	253	273	QEIVNELLAAVSPHRSP L					Mascot
2300.1453	2300.1367	-0.0086	-4	67	85	LLSINEQMRNSSQQLGFY R			Oxidation (M)[8]		Mascot

37 PREDICTED: fragaceatoxin C [Danio rerio] gi|326665980 20858.2 6.31 6 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
971.4502	971.525	0.0748	77	56	63	TEVCTFSK			Carbamidomethyl (C)[4]		Mascot

	1277.6527	1277.6868	0.0341	27	157	168	ATMCMPMGRAIVK							Mascot
	1493.7021	1493.7123	0.0102	7	152	164	NLDIRATMCPMGR			Oxidation (M)[8]				Mascot
	1699.8009	1699.9062	0.1053	62	126	138	EMYYQKNQHGFVR							Mascot
	1864.8643	1864.9264	0.0621	33	169	184	VEVWDKLLSPMAQMDC							Mascot
	1880.8591	1881.0011	0.142	75	169	184	VEVWDKLLSPMAQMDC			Oxidation (M)[11]				Mascot
	1993.9977	1993.9388	-0.0589	-30	64	82	SAAHATGSVGVLTYDLFER							Mascot
38	cytoplasmic dynein 1 heavy chain 1 [Danio rerio]					gi 112363126	532854.1	6.06	32	31	0			
Peptide Information														
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification		Rank	Result	Type
	850.4087	850.5255	0.1168	137	59	65 SALEQMR				Oxidation (M)[6]			Mascot	
	870.4389	870.5257	0.0868	100	656	662 QLTAYMK				Oxidation (M)[6]			Mascot	
	971.5632	971.525	-0.0382	-39	283	290 ALNRIQEK							Mascot	
	1045.5272	1045.5449	0.0177	17	2836	2843 LVEDEERR							Mascot	
	1058.6278	1058.5728	-0.055	-52	1396	1404 VNMLVIELK							Mascot	
	1104.5354	1104.561	0.0256	23	3429	3437 AEEVEQMIR							Mascot	
	1106.5952	1106.5375	-0.0577	-52	2511	2519 AELGEYIRR							Mascot	
	1165.6212	1165.724	0.1028	88	3438	3447 DLEASIARYK							Mascot	
	1165.6212	1165.724	0.1028	88	3438	3447 DLEASIARYK							Mascot	
	1179.5286	1179.5756	0.047	40	2442	2450 MEHIMDFTR							Mascot	
	1213.6212	1213.5818	-0.0394	-32	3695	3704 ETFVNFTVTR							Mascot	
	1277.6598	1277.6868	0.027	21	4143	4153 IFVFEPPPGMK				Oxidation (M)[10]			Mascot	
	1320.6793	1320.5619	-0.1174	-89	223	234 GEKPKVTDFGDK							Mascot	
	1325.6736	1325.719	0.0454	34	835	845 LAETVFNFQEK							Mascot	
	1325.6736	1325.719	0.0454	34	835	845 LAETVFNFQEK							Mascot	
	1328.6917	1328.7145	0.0228	17	1242	1252 IVQEDRAVENR							Mascot	
	1434.7886	1434.745	-0.0436	-30	2034	2045 LFRSLAMTKPDR							Mascot	
	1475.6835	1475.7279	0.0444	30	3682	3694 DPTVEFPPDLCSR							Mascot	
	1563.8264	1563.8088	-0.0176	-11	3448	3461 EEYAVLISEAQAIK							Mascot	
	1563.8264	1563.8088	-0.0176	-11	3448	3461 EEYAVLISEAQAIK							Mascot	
	1584.8704	1584.8456	-0.0248	-16	3847	3860 SVSDHTQRLSLITK							Mascot	
	1584.8704	1584.8456	-0.0248	-16	3847	3860 SVSDHTQRLSLITK							Mascot	
	1633.8326	1633.802	-0.0306	-19	3925	3939 GLTGEQAEAMVRLSR				Oxidation (M)[10]			Mascot	
	1707.7867	1707.7456	-0.0411	-24	4362	4376 QRSTSSSDAQPAWMR							Mascot	
	1845.0215	1844.845	-0.1765	-96	3759	3774 ILDDDTIITTLENLKK							Mascot	
	1845.0215	1844.845	-0.1765	-96	3759	3774 ILDDDTIITTLENLKK							Mascot	

2194.0828	2194.0452	-0.0376	-17	3174	3190	HYLDFINHYANLFNEKR							Mascot
2210.9944	2211.0635	0.0691	31	531	550	EVDGLDVSKEGMEAWEA AMK					Oxidation (M)[12]		Mascot
2230.1689	2230.1536	-0.0153	-7	2943	2961	TTLSRFVAWMNGLSVYQI K					Oxidation (M)[10]		Mascot
2233.0627	2233.0427	-0.02	-9	3561	3580	WQANSLPADDLCTENAI MLK							Mascot
2247.1074	2247.063	-0.0444	-20	1020	1040	NALTRMPDGPSALEEAY NAVK							Mascot
2266.1689	2266.0667	-0.1022	-45	3121	3139	VPDYMPIVYDKLPQPPTH R							Mascot
2283.1624	2283.1423	-0.0201	-9	2004	2024	QVKVSAEMAIFITMNPY AGR							Mascot
2283.1624	2283.1423	-0.0201	-9	2004	2024	QVKVSAEMAIFITMNPY AGR							Mascot
2284.2561	2284.1323	-0.1238	-54	4504	4523	NIHVNLGRLFVPEAYITAT R							Mascot
2371.218	2371.0925	-0.1255	-53	1629	1649	FYFVGDEDLLEIGNSKNV AK							Mascot
2371.218	2371.0925	-0.1255	-53	1629	1649	FYFVGDEDLLEIGNSKNV AK							Mascot
2384.2642	2383.9158	-0.3484	-146	2046	2066	QLIAQVMLYSQGFRTAET LAK					Oxidation (M)[7]		Mascot
2580.3337	2580.2661	-0.0676	-26	1656	1679	KMFAGVSSILLNEDNTEV LGISSR							Mascot
2596.3286	2596.2666	-0.062	-24	1656	1679	KMFAGVSSILLNEDNTEV LGISSR					Oxidation (M)[2]		Mascot

39 Rho guanine exchange factor betaPix B [Danio rerio] gi|109745507 90350.1 8.42 11 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1104.6664	1104.561	-0.1054	-95	388	396	LEKYPTLLK					Mascot
1279.6715	1279.7494	0.0779	61	391	400	YPTLLKEMER					Mascot
1347.7631	1347.6898	-0.0733	-54	267	277	ELQNLLSVYLR					Mascot
1633.8102	1633.802	-0.0082	-5	154	168	SLDMSSENSAPQVLVK			Oxidation (M)[4]		Mascot
1638.8711	1638.8326	-0.0385	-23	48	61	LRPGSVHTIYQDPR					Mascot
1657.7891	1657.7596	-0.0295	-18	711	724	KESGPHMLFPEEEK					Mascot
1844.9535	1844.845	-0.1085	-59	154	170	SLDMSSENSAPQVLVKAR					Mascot
1844.9535	1844.845	-0.1085	-59	154	170	SLDMSSENSAPQVLVKAR					Mascot
2283.1914	2283.1423	-0.0491	-22	317	336	VSDSQQRIGGFFLSLLTQ MR					Mascot
2283.1914	2283.1423	-0.0491	-22	317	336	VSDSQQRIGGFFLSLLTQ MR					Mascot
2297.0325	2297.1516	0.1191	52	397	414	EMERHMEPLHPDYPDIQ K			Oxidation (M)[2,6]		Mascot
2580.2505	2580.2661	0.0156	6	98	122	VLNCLVALNKATSESGG GSNSVCSR			Carbamidomethyl (C)[4,23]		Mascot
2596.25	2596.2666	0.0166	6	75	97	GCALYHIEVFEANDLLQG QNFSK					Mascot

40 PREDICTED: estrogen-related receptor gamma, partial [Danio rerio] gi|326675851 25552.3 5.28 6 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1106.5994	1106.5375	-0.0619	-56	197	205	AIQHFYSIK					Mascot
1325.8337	1325.719	-0.1147	-87	180	191	AGKLLMTLPLLR					Mascot
1325.8337	1325.719	-0.1147	-87	180	191	AGKLLMTLPLLR					Mascot
1563.9104	1563.8088	-0.1016	-65	1	14	TKIVSHLLVAEPEK					Mascot
1563.9104	1563.8088	-0.1016	-65	1	14	TKIVSHLLVAEPEK					Mascot
1707.7969	1707.7456	-0.0513	-30	15	29	IYAMPDPTMPESDIK					Mascot
2300.2683	2300.1367	-0.1316	-57	30	50	ALTTLCDLADRELVIIGWAK					Mascot
2705.156	2705.1128	-0.0432	-16	83	104	SLPYEDELVYAEDYVMD EEHSR			Oxidation (M)[16]		Mascot

41 Baz1a protein [Danio rerio] gi|120538654 37393.3 9.36 8 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.3999	1045.5449	0.145	139	303	310	EQMMSMEK			Oxidation (M)[3,4]		Mascot
1106.4789	1106.5375	0.0586	53	36	43	TYDEFFER					Mascot
1234.7782	1234.6344	-0.1438	-116	2	11	PLLHKKPFVR					Mascot
1316.5796	1316.6753	0.0957	73	303	312	EQMMSMEKFR					Mascot
1657.7417	1657.7596	0.0179	11	298	310	LMQQKEQMMSMEK			Oxidation (M)[2]		Mascot
1838.8741	1838.8802	0.0061	3	101	115	LHEICDDVYAYVKDR					Mascot
2266.0518	2266.0667	0.0149	7	276	295	GRGRPPNNASSTEMNYI EEK			Oxidation (M)[14]		Mascot
2283.1836	2283.1423	-0.0413	-18	195	215	VQPVSPPEACEPVIVKVAQ MSR			Oxidation (M)[19]		Mascot
2283.1836	2283.1423	-0.0413	-18	195	215	VQPVSPPEACEPVIVKVAQ MSR			Oxidation (M)[19]		Mascot

42 Tnfrsf1a protein [Danio rerio] gi|190336943 48606.4 5.31 9 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.4159	856.5079	0.092	107	329	335	EDDPPRK					Mascot
971.4172	971.525	0.1078	111	1	8	MDKSEAMK			Oxidation (M)[1,7]		Mascot
1460.7491	1460.7313	-0.0178	-12	418	430	YSAEHIASKAVER					Mascot
1475.6973	1475.7279	0.0306	21	214	226	QQSETNGNLEE VK					Mascot

	2193.8782	2194.0452	0.167	76	121	139	CDCKFGTFCLPDEPCEV CK		Carbamidomethyl (C)[1]	Mascot	
	2211.0537	2211.0635	0.0098	4	310	328	SSPPAQRPTDRDQTESW PR			Mascot	
	2266.2515	2266.0667	-0.1848	-82	398	417	EGLRANINTLLQALLDLD QR			Mascot	
	2283.9038	2284.1323	0.2285	100	41	58	QMTCLNHEYPHNGFCC K		Carbamidomethyl (C)[4,16], Oxidation (M)[2]	Mascot	
	2596.0947	2596.2666	0.1719	66	38	58	TARQMTCLENHEYPHNG FCKK		Carbamidomethyl (C)[7,19]	Mascot	
43	PREDICTED: zinc finger protein 64 homolog, isoforms 1 and 2 [Danio rerio]					gi 292627186	71408.1	8.74	11	30	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	971.4904	971.525	0.0346	36	394	401	EDSLRSHK					Mascot
	973.4117	973.4948	0.0831	85	323	331	CDLCSFASK					Mascot
	973.4117	973.4948	0.0831	85	323	331	CDLCSFASK					Mascot
	1045.4077	1045.5449	0.1372	131	270	277	CDFQCSTK			Carbamidomethyl (C)[1,5]		Mascot
	1277.6783	1277.6868	0.0085	7	145	155	LHTGEKPHKCK					Mascot
	1320.5204	1320.5619	0.0415	31	238	248	CDLCDYRCAMK					Mascot
	1434.5632	1434.745	0.1818	127	238	248	CDLCDYRCAMK			Carbamidomethyl (C)[1,4]		Mascot
	1699.8003	1699.9062	0.1059	62	41	54	QNCCQIPSTHISVR			Carbamidomethyl (C)[3,4]		Mascot
	2117.8474	2117.9473	0.0999	47	259	277	HSASDSFHCSCDFQCS TK					Mascot
	2210.9263	2211.0635	0.1372	62	286	305	QHQAQPLQCSECSYSC SSK					Mascot
	2233.0964	2233.0427	-0.0537	-24	182	200	CQICPYASRNSSQLTVHL R			Carbamidomethyl (C)[1]		Mascot
	2283.0798	2283.1423	0.0625	27	173	190	IHYDERPFKCQICPYASR			Carbamidomethyl (C)[10]		Mascot
	2283.0798	2283.1423	0.0625	27	173	190	IHYDERPFKCQICPYASR			Carbamidomethyl (C)[10]		Mascot
	2580.1638	2580.2661	0.1023	40	286	309	QHQAQPLQCSECSYSC SSKGALK					Mascot

44 Rars protein [Danio rerio] gi|182892034 75755 6.48 12 30 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	973.4948	973.4948	0	0	354	362	GLVEVDEGR					Mascot
	973.4948	973.4948	0	0	354	362	GLVEVDEGR	2	0			Mascot
	1058.4313	1058.5728	0.1415	134	281	288	FDEDEEFK					Mascot
	1316.7242	1316.6753	-0.0489	-37	463	473	LMDLLEELKLR					Mascot
	1328.7321	1328.7145	-0.0176	-13	649	660	GFDILGINPVQR					Mascot

	1385.7463	1385.7235	-0.0228	-16	225	235	LFEFLGYEVLRL										Mascot
	1460.7532	1460.7313	-0.0219	-15	529	541	GNTAAYLLYAFTR										Mascot
	1475.7675	1475.7279	-0.0396	-27	649	661	GFDILGINPVQRM						Oxidation (M)[13]				Mascot
	1495.8267	1495.8158	-0.0109	-7	155	168	TEIAGPGFINVHLK										Mascot
	1584.838	1584.8456	0.0076	5	437	451	VEHAGFGVVLGEDKK										Mascot
	1584.838	1584.8456	0.0076	5	437	451	VEHAGFGVVLGEDKK										Mascot
	1699.8723	1699.9062	0.0339	20	319	332	EFQKVYNCLDISIK										Mascot
	2246.9006	2247.063	0.1624	72	111	129	FGDYQCNSAMAMSQMM KAK						Carbamidomethyl (C)[6], Oxidation (M)[10,12,15]				Mascot
	2284.0149	2284.1323	0.1174	51	335	353	GESYYQDMMTAVVKEFE EK										Mascot
	2300.0098	2300.1367	0.1269	55	335	353	GESYYQDMMTAVVKEFE EK						Oxidation (M)[8]				Mascot
45	PREDICTED: serine/threonine-protein kinase pim-2-like gi 326675052 52407.5 9.24 8 30 0 [Danio rerio]																

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4971	864.4794	-0.0177	-20	1	7	MLRITTVK			Oxidation (M)[1]		Mascot
1325.6089	1325.719	0.1101	83	159	170	QAVFAAQTCQQR					Mascot
1325.6089	1325.719	0.1101	83	159	170	QAVFAAQTCQQR					Mascot
1347.7267	1347.6898	-0.0369	-27	143	154	SYVGPIKEDAIR					Mascot
1563.8013	1563.8088	0.0075	5	299	312	EDLSWTKNSTALAK					Mascot
1563.8013	1563.8088	0.0075	5	299	312	EDLSWTKNSTALAK					Mascot
1844.8969	1844.845	-0.0519	-28	155	170	FIMKQAVFAAQTCQQR					Mascot
1844.8969	1844.845	-0.0519	-28	155	170	FIMKQAVFAAQTCQQR					Mascot
2247.0928	2247.063	-0.0298	-13	43	63	KYEIGEELGEGGFGTVYA ATR					Mascot
2265.9495	2266.0667	0.1172	52	258	275	IMTKDIEGLSEECDFMR			Carbamidomethyl (C)[13,14], Oxidation (M)[2,17]		Mascot
2283.2529	2283.1423	-0.1106	-48	8	27	SSILPALHQPFKSQTMLQ LK			Oxidation (M)[16]		Mascot
2283.2529	2283.1423	-0.1106	-48	8	27	SSILPALHQPFKSQTMLQ LK			Oxidation (M)[16]		Mascot

46

novel protein (wu:fj53d02) [Danio rerio]

gi|122891311

95823.2

6.41

14

30

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.5255	0.0474	56	635	641	ARYLAEK					Mascot
971.6135	971.525	-0.0885	-91	318	325	LIEKLEVK					Mascot
973.4083	973.4948	0.0865	89	268	275	YFDPSCGK			Carbamidomethyl (C)[6]		Mascot

	973.5002	973.4948	-0.0054	-6	411	418	GRFYAFGR										Mascot
	1234.6096	1234.6344	0.0248	20	62	71	DEQERCITIK										Mascot
	1316.7144	1316.6753	-0.0391	-30	430	441	VRIMGPNFTPGK										Mascot
	1475.7896	1475.7279	-0.0617	-42	151	162	IKPVLMMNKMDR										Mascot
	1493.6835	1493.7123	0.0288	19	692	704	EGALCEENMRAVR				Oxidation (M)[9]						Mascot
	1699.7852	1699.9062	0.121	71	390	403	NCDPKAPLMMYISK				Carbamidomethyl (C)[2], Oxidation (M)[9,10]						Mascot
	1707.8734	1707.7456	-0.1278	-75	2	15	VNFTVDQIREIMDK										Mascot
	1773.9713	1773.7863	-0.185	-104	145	159	QAIAERIKPVLMMNK				Oxidation (M)[12,13]						Mascot
	1838.9139	1838.8802	-0.0337	-18	1	15	MVNFTVDQIREIMDK										Mascot
	2230.0154	2230.1536	0.1382	62	370	389	YRCELLYEGPGDDEAAM GIK										Mascot
	2371.1743	2371.0925	-0.0818	-34	21	42	NMSVIAHVDHGKSTLTDS LVCK				Oxidation (M)[2]						Mascot
	2371.1743	2371.0925	-0.0818	-34	21	42	NMSVIAHVDHGKSTLTDS LVCK				Oxidation (M)[2]						Mascot
47	PREDICTED: tankyrase-1 [Danio rerio]				gi 125847900		134832	6.42	14	29	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.396	870.5257	0.1297	149	1173	1178	QMLFCR			Carbamidomethyl (C)[5], Oxidation (M)[2]		Mascot
971.5883	971.525	-0.0633	-65	464	471	QVTELLLR					Mascot
973.506	973.4948	-0.0112	-12	473	481	GANVNEKNK					Mascot
973.506	973.4948	-0.0112	-12	473	481	GANVNEKNK					Mascot
1058.584	1058.5728	-0.0112	-11	126	135	LVDSVNVNAK					Mascot
1179.6805	1179.5756	-0.1049	-89	688	696	YEICKLLLK			Carbamidomethyl (C)[4]		Mascot
1279.7004	1279.7494	0.049	38	494	504	AHNDILEVLQK					Mascot
1493.7594	1493.7123	-0.0471	-32	572	584	NSDVDYRLLEAAK					Mascot
1495.6958	1495.8158	0.12	80	110	122	ELFEACRNGDVSR					Mascot
1584.8492	1584.8456	-0.0036	-2	962	974	SLGLEHLRDIFER					Mascot
1584.8492	1584.8456	-0.0036	-2	962	974	SLGLEHLRDIFER					Mascot
1633.8148	1633.802	-0.0128	-8	744	756	VQKLCSELENINCR			Carbamidomethyl (C)[5,12]		Mascot
1773.7804	1773.7863	0.0059	3	1166	1178	SCYICHRQMLFCR			Carbamidomethyl (C)[2,5]		Mascot
1838.849	1838.8802	0.0312	17	1146	1163	SNQYVYGIGGGTGCP THK					Mascot
2118.0066	2117.9473	-0.0593	-28	585	603	AGDLDTVKQLCSPQNVN CR			Carbamidomethyl (C)[11]		Mascot
2705.3723	2705.1128	-0.2595	-96	509	533	MNAVDTLGQTALHRAAL AGHLQTCR			Carbamidomethyl (C)[24]		Mascot

48 PREDICTED: zinc finger protein 629 [Danio rerio] gi|292614670 69451.9 9.49 1 12 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	973.5214	973.4948	-0.0266	-27	31	38 DKGITFHR	12	0		2	Mascot

49 PREDICTED: inositol 1,4,5-trisphosphate receptor type 2, partial [Danio rerio] gi|326676026 226478.9 6.12 1 11 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1325.6154	1325.719	0.1036	78	1675	1685 EMFDEKGNALR	13	0	Oxidation (M)[2]	2	Mascot

50 COMM domain-containing protein 1 [Danio rerio] gi|113674991 21219.7 5.48 1 11 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1844.8807	1844.845	-0.0357	-19	174	189 NMAELQESIDSIVHRS	11	0	Oxidation (M)[2]	2	Mascot

Gel Idx/Pos	187/H14	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	transferrin-a [Danio rerio]	gi 220672954	73234.7	6.61	17	166	100	103	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1149.5898	1149.5762	-0.0136	-12	108	118 AGSGFNINELK					Mascot
	1184.4572	1184.4415	-0.0157	-13	121	129 SSCHSCYQR			Carbamidomethyl (C)[3,6]		Mascot
	1420.6201	1420.5984	-0.0217	-15	196	207 YFGDDGAFQCLK			Carbamidomethyl (C)[10]		Mascot
	1485.6461	1485.6229	-0.0232	-16	227	238 QNYELLCMDGSR			Carbamidomethyl (C)[7]		Mascot
	1557.7366	1557.7135	-0.0231	-15	146	158 ITWEGPNEMPVER					Mascot
	1572.7792	1572.7548	-0.0244	-16	261	273 TDTDLQYVYDVLK					Mascot
	1573.7314	1573.7151	-0.0163	-10	146	158 ITWEGPNEMPVER			Oxidation (M)[9]		Mascot
	1573.7314	1573.7151	-0.0163	-10	146	158 ITWEGPNEMPVER	10	0	Oxidation (M)[9]		Mascot
	1577.858	1577.8296	-0.0284	-18	577	590 CNLAQVPVHAVITR			Carbamidomethyl (C)[1]		Mascot
	1638.7349	1638.8279	0.093	57	360	373 SCILEASVDDCIEK			Carbamidomethyl (C)[2,11]		Mascot
	1652.787	1652.8027	0.0157	9	359	373 KSCILEASVDDCIEK					Mascot

	1752.8802	1752.8513	-0.0289	-16	378	394	EADFLAVDGGQVYIAGK										Mascot
	1912.9473	1912.9166	-0.0307	-16	159	176	AVSEFFSSSCVPGVSKP K						Carbamidomethyl (C)[10]				Mascot
	2028.9299	2028.8933	-0.0366	-18	45	61	AADIECHLQPTVIDCMR						Carbamidomethyl (C)[6,15]				Mascot
	2040.8756	2040.8425	-0.0331	-16	504	520	CKPSAEEQYYGYDGAFR						Carbamidomethyl (C)[1]				Mascot
	2040.8756	2040.8425	-0.0331	-16	504	520	CKPSAEEQYYGYDGAFR	93		100			Carbamidomethyl (C)[1]				Mascot
	2044.9249	2044.9039	-0.021	-10	45	61	AADIECHLQPTVIDCMR						Carbamidomethyl (C)[6,15], Oxidation (M)[16]				Mascot
	2179.9937	2179.9604	-0.0333	-15	208	226	NDNGQVAFVCHHAIPES ER						Carbamidomethyl (C)[10]				Mascot
	2300.1768	2300.1436	-0.0332	-14	595	615	SAVVSFLSDIQSKNNDLF TSK										Mascot
	3338.5085	3338.7083	0.1998	60	395	427	CGLVPVMAEQSNSQSCS SGSGGTASYAVAVVR						Carbamidomethyl (C)[1], Oxidation (M)[7]				Mascot
	3459.8481	3459.7966	-0.0515	-15	62	95	SIAAGGTDIVTDGANVF TGGLNNYLLRPPIAEK										Mascot
2	Transferrin-a [Danio rerio]				gi 112180541		56852.3	5.58	12	135	100	93	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1420.6201	1420.5984	-0.0217	-15	43	54	YFGDDGAFQCLK				Carbamidomethyl (C)[10]		Mascot
1485.6461	1485.6229	-0.0232	-16	74	85	QNYELLCMDGSR				Carbamidomethyl (C)[7]		Mascot
1572.7792	1572.7548	-0.0244	-16	108	120	TDTDLQYVYDVLK						Mascot
1577.858	1577.8296	-0.0284	-18	424	437	CNLAQVPVHAVITR				Carbamidomethyl (C)[1]		Mascot
1638.7349	1638.8279	0.093	57	207	220	SCILEASVDDCIEK				Carbamidomethyl (C)[2,11]		Mascot
1652.787	1652.8027	0.0157	9	206	220	KSCILEASVDDCIEK						Mascot
1752.8802	1752.8513	-0.0289	-16	225	241	EADFLAVDGGQVYIAGK						Mascot
1912.9473	1912.9166	-0.0307	-16	6	23	AVSEFFSSSCVPGVSKP K				Carbamidomethyl (C)[10]		Mascot
2040.8756	2040.8425	-0.0331	-16	351	367	CKPSAEEQYYGYDGAFR				Carbamidomethyl (C)[1]		Mascot
2040.8756	2040.8425	-0.0331	-16	351	367	CKPSAEEQYYGYDGAFR	93		100	Carbamidomethyl (C)[1]		Mascot
2179.9937	2179.9604	-0.0333	-15	55	73	NDNGQVAFVCHHAIPES ER				Carbamidomethyl (C)[10]		Mascot
2300.1768	2300.1436	-0.0332	-14	442	462	SAVVSFLSDIQSKNNDLF TSK						Mascot
3338.5085	3338.7083	0.1998	60	242	274	CGLVPVMAEQSNSQSCS SGSGGTASYAVAVVR				Carbamidomethyl (C)[1], Oxidation (M)[7]		Mascot

3	Transferrin-a [Danio rerio]				gi 159155968		56844.4	5.78	12	133	100	93	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1420.6201	1420.5984	-0.0217	-15	43	54	YFGDDGAFQCLK				Carbamidomethyl (C)[10]		Mascot
1485.6461	1485.6229	-0.0232	-16	74	85	QNYELLCMDGSR				Carbamidomethyl (C)[7]		Mascot

	1572.7145	1572.7548	0.0403	26	74	86	QNYELLCMDGSRK							Oxidation (M)[8]	Mascot
	1577.858	1577.8296	-0.0284	-18	424	437	CNLAQVPVHAVITR							Carbamidomethyl (C)[1]	Mascot
	1638.7349	1638.8279	0.093	57	207	220	SCILEASVDDCIEK							Carbamidomethyl (C)[2,11]	Mascot
	1652.787	1652.8027	0.0157	9	206	220	KSCILEASVDDCIEK								Mascot
	1752.8802	1752.8513	-0.0289	-16	225	241	EADFLAVDGGQVYIAGK								Mascot
	1912.9473	1912.9166	-0.0307	-16	6	23	AVSEFFSSSCVPGVSKP K							Carbamidomethyl (C)[10]	Mascot
	2040.8756	2040.8425	-0.0331	-16	351	367	CKPSAEEQYYGYDGAFR							Carbamidomethyl (C)[1]	Mascot
	2040.8756	2040.8425	-0.0331	-16	351	367	CKPSAEEQYYGYDGAFR	93	100					Carbamidomethyl (C)[1]	Mascot
	2179.9937	2179.9604	-0.0333	-15	55	73	NDNGQVAFVCHHAIPES ER							Carbamidomethyl (C)[10]	Mascot
	2246.9338	2247.0632	0.1294	58	319	339	FFSEGCAPGADPTSNMC KPCK							Carbamidomethyl (C)[6]	Mascot
	2300.1768	2300.1436	-0.0332	-14	442	462	SAVVSFLSDIQSKNNDLF TSK								Mascot
4	echinoderm microtubule-associated protein-like 2 [Danio rerio]					gi 71834606	88474.1	6.51	17	118	100	59	99.973		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
882.4791	882.5546	0.0755	86	39	45	LSHLEQR						Mascot
1045.4467	1045.5497	0.103	99	150	160	TTSSSSSTCGK						Mascot
1084.5575	1084.543	-0.0145	-13	213	220	LQWVYGYR	35	93.294				Mascot
1084.5575	1084.543	-0.0145	-13	213	220	LQWVYGYR						Mascot
1118.5841	1118.5657	-0.0184	-16	598	606	WLVLDTDTR						Mascot
1216.611	1216.5925	-0.0185	-15	474	482	VLLWDHDYR						Mascot
1344.7059	1344.6853	-0.0206	-15	474	483	VLLWDHDYRK						Mascot
1441.7004	1441.679	-0.0214	-15	753	764	VHLFSNPCSQPR			Carbamidomethyl (C)[8]			Mascot
1446.5953	1446.574	-0.0213	-15	167	178	ECSFNADEGYVR			Carbamidomethyl (C)[2]			Mascot
1463.6835	1463.6587	-0.0248	-17	485	497	SEMEVPEAFGPVR			Oxidation (M)[3]			Mascot
1591.7784	1591.7767	-0.0017	-1	484	497	KSEMEVPEAFGPVR			Oxidation (M)[4]			Mascot
1675.738	1675.7169	-0.0211	-13	165	178	TKECSFNADEGYVR			Carbamidomethyl (C)[4]			Mascot
1719.8701	1719.842	-0.0281	-16	383	397	SHINFWTVEGSTLTK						Mascot
1752.8949	1752.8513	-0.0436	-25	5	20	VASCGNLYDTNTLLLR						Mascot
1772.9363	1772.9076	-0.0287	-16	444	460	VVSGAHEGGIFSLCVLK			Carbamidomethyl (C)[14]			Mascot
1993.8894	1993.9467	0.0573	29	167	182	ECSFNADEGYVRMFLR			Carbamidomethyl (C)[2]			Mascot
2185.1399	2185.105	-0.0349	-16	297	316	VWDSVSLNTLHVIGAGVF DR	24	5.268				Mascot
2185.1399	2185.105	-0.0349	-16	297	316	VWDSVSLNTLHVIGAGVF DR						Mascot
2808.2795	2808.3599	0.0804	29	326	350	SNGGAHLCAVDDANDHI LSVWDWQK			Carbamidomethyl (C)[8]			Mascot

5 TPA_exp: transferrin [Danio rerio] gi|47264590 73483.9 6.81 16 65 98.593 10 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1149.5898	1149.5762	-0.0136	-12	108	118	AGSGFNINELK					Mascot
1184.4572	1184.4415	-0.0157	-13	121	129	SSCHSCYQR			Carbamidomethyl (C)[3,6]		Mascot
1420.6201	1420.5984	-0.0217	-15	196	207	YFGDDGAFQCLK			Carbamidomethyl (C)[10]		Mascot
1485.6461	1485.6229	-0.0232	-16	227	238	QNYELLCMDGSR			Carbamidomethyl (C)[7]		Mascot
1557.7366	1557.7135	-0.0231	-15	146	158	ITWEGPNEMPVER					Mascot
1572.7792	1572.7548	-0.0244	-16	261	273	TDTDLQYVYDVLK					Mascot
1573.7314	1573.7151	-0.0163	-10	146	158	ITWEGPNEMPVER			Oxidation (M)[9]		Mascot
1573.7314	1573.7151	-0.0163	-10	146	158	ITWEGPNEMPVER	10	0	Oxidation (M)[9]		Mascot
1577.858	1577.8296	-0.0284	-18	579	592	CNLAQVPVHAVITR			Carbamidomethyl (C)[1]		Mascot
1638.7349	1638.8279	0.093	57	360	373	SCILEASVDDCIEK			Carbamidomethyl (C)[2,11]		Mascot
1652.787	1652.8027	0.0157	9	359	373	KSCILEASVDDCIEK					Mascot
1752.8802	1752.8513	-0.0289	-16	378	394	EADFLAVDGGQVYIAGK					Mascot
1912.9473	1912.9166	-0.0307	-16	159	176	AVSEFFSSSCVPGVSKPK			Carbamidomethyl (C)[10]		Mascot
2028.9299	2028.8933	-0.0366	-18	45	61	AADIECHLQPTVIDCMR			Carbamidomethyl (C)[6,15]		Mascot
2044.9249	2044.9039	-0.021	-10	45	61	AADIECHLQPTVIDCMR			Carbamidomethyl (C)[6,15], Oxidation (M)[16]		Mascot
2179.9937	2179.9604	-0.0333	-15	208	226	NDNGQVAFVCHHAIPESER			Carbamidomethyl (C)[10]		Mascot
2300.1768	2300.1436	-0.0332	-14	597	617	SAVVSFLSDIQSKNNDLFTSK					Mascot
3338.5085	3338.7083	0.1998	60	395	427	CGLVPVMAEQSNSQSCSSGSGGTASYAVAVVR			Carbamidomethyl (C)[1], Oxidation (M)[7]		Mascot
3459.8481	3459.7966	-0.0515	-15	62	95	SIAAGGTDIVTDGANVFTGGLNNYLLRPPIIAEK					Mascot

6 transferrin-a [Danio rerio] gi|220672955 31328.3 7.83 10 61 96.383 10 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1149.5898	1149.5762	-0.0136	-12	118	128	AGSGFNINELK					Mascot
1184.4572	1184.4415	-0.0157	-13	131	139	SSCHSCYQR			Carbamidomethyl (C)[3,6]		Mascot
1420.6201	1420.5984	-0.0217	-15	206	217	YFGDDGAFQCLK			Carbamidomethyl (C)[10]		Mascot
1485.6461	1485.6229	-0.0232	-16	237	248	QNYELLCMDGSR			Carbamidomethyl (C)[7]		Mascot
1557.7366	1557.7135	-0.0231	-15	156	168	ITWEGPNEMPVER					Mascot
1572.7792	1572.7548	-0.0244	-16	271	283	TDTDLQYVYDVLK					Mascot
1573.7314	1573.7151	-0.0163	-10	156	168	ITWEGPNEMPVER			Oxidation (M)[9]		Mascot

	1573.7314	1573.7151	-0.0163	-10	156	168	ITWEGPNEMPVER	10	0	Oxidation (M)[9]	Mascot		
	1912.9473	1912.9166	-0.0307	-16	169	186	AVSEFFSSSCVPGVSKP K			Carbamidomethyl (C)[10]	Mascot		
	2028.9299	2028.8933	-0.0366	-18	55	71	AADIECHLQPTVIDCMR			Carbamidomethyl (C)[6,15]	Mascot		
	2044.9249	2044.9039	-0.021	-10	55	71	AADIECHLQPTVIDCMR			Carbamidomethyl (C)[6,15], Oxidation (M)[16]	Mascot		
	2179.9937	2179.9604	-0.0333	-15	218	236	NDNGQVAFVCHHAIPES ER			Carbamidomethyl (C)[10]	Mascot		
	3459.8481	3459.7966	-0.0515	-15	72	105	SIAAGGTDIVTDGANVF TGGLNNYLLRPIIAEK				Mascot		
7	mutant transferrin [Danio rerio]				gi 183583908		32529.2	8.44	10	56	90.037	10	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
	1149.5898	1149.5762	-0.0136	-12	108	118	AGSGFNINELK					Mascot	
	1184.4572	1184.4415	-0.0157	-13	121	129	SSCHSCYQR			Carbamidomethyl (C)[3,6]		Mascot	
	1420.6201	1420.5984	-0.0217	-15	196	207	YFGDDGAFQCLK			Carbamidomethyl (C)[10]		Mascot	
	1485.6461	1485.6229	-0.0232	-16	227	238	QNYELLCMDGSR			Carbamidomethyl (C)[7]		Mascot	
	1557.7366	1557.7135	-0.0231	-15	146	158	ITWEGPNEMPVER					Mascot	
	1572.7792	1572.7548	-0.0244	-16	261	273	TDTDLQYVYDVLK					Mascot	
	1573.7314	1573.7151	-0.0163	-10	146	158	ITWEGPNEMPVER			Oxidation (M)[9]		Mascot	
	1573.7314	1573.7151	-0.0163	-10	146	158	ITWEGPNEMPVER	10	0	Oxidation (M)[9]		Mascot	
	1912.9473	1912.9166	-0.0307	-16	159	176	AVSEFFSSSCVPGVSKP K			Carbamidomethyl (C)[10]		Mascot	
	2028.9299	2028.8933	-0.0366	-18	45	61	AADIECHLQPTVIDCMR			Carbamidomethyl (C)[6,15]		Mascot	
	2044.9249	2044.9039	-0.021	-10	45	61	AADIECHLQPTVIDCMR			Carbamidomethyl (C)[6,15], Oxidation (M)[16]		Mascot	
	2179.9937	2179.9604	-0.0333	-15	208	226	NDNGQVAFVCHHAIPES ER			Carbamidomethyl (C)[10]		Mascot	
	3459.8481	3459.7966	-0.0515	-15	62	95	SIAAGGTDIVTDGANVF TGGLNNYLLRPIIAEK					Mascot	

8	PREDICTED: hypothetical protein LOC100537957 [Danio rerio]				gi 326680154		13500.6	8.77	8	50	53.402		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
	1084.5634	1084.543	-0.0204	-19	5	14	DQAEVNAIK					Mascot	
	1084.5634	1084.543	-0.0204	-19	5	14	DQAEVNAIK					Mascot	
	1184.4976	1184.4415	-0.0561	-47	75	83	AEMFHCQFR			Oxidation (M)[3]		Mascot	
	1441.6351	1441.679	0.0439	30	73	83	EKAEMFHCQFR			Oxidation (M)[5]		Mascot	
	1475.7377	1475.7318	-0.0059	-4	35	48	WLSISESGVSGPEK					Mascot	
	1557.709	1557.7135	0.0045	3	75	86	AEMFHCQFRNFK					Mascot	

	1573.7039	1573.7151	0.0112	7	75	86	AEMFHCQFRNFK				Oxidation (M)[3]	Mascot
	1573.7891	1573.7151	-0.074	-47	1	14	MVDKDAQAEVNAIPK				Oxidation (M)[1]	Mascot
	2225.0344	2225.085	0.0506	23	94	111	NNWETIGHLWSNFGRCY K					Mascot
	2225.0344	2225.085	0.0506	23	94	111	NNWETIGHLWSNFGRCY K					Mascot
	3459.7366	3459.7966	0.06	17	5	34	DQAEVNAIPKVFNESDILL CWYHVTQAVTR					Mascot
9	IGF-IRa tyrosine kinase receptor [Danio rerio]					gi 20302782	14771.6	8.66	7	46	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1084.6011	1084.543	-0.0581	-54	115	123	FVHRDLAAR					Mascot
1084.6011	1084.543	-0.0581	-54	115	123	FVHRDLAAR					Mascot
1485.7908	1485.6229	-0.1679	-113	82	95	EQGSSSQSLPPLKK					Mascot
1572.8228	1572.7548	-0.068	-43	80	94	SKEQGSSSQSLPPLK					Mascot
2040.9551	2040.8425	-0.1126	-55	96	114	MIQMAGEIADGMAYLNA NK					Mascot
2040.9551	2040.8425	-0.1126	-55	96	114	MIQMAGEIADGMAYLNA NK					Mascot
2185.0449	2185.105	0.0601	28	95	114	KMIQMAGEIADGMAYLN ANK			Oxidation (M)[2]		Mascot
2185.2083	2185.105	-0.1033	-47	49	68	LLGVVSQGGPTLVIMELM TR					Mascot
3338.717	3338.7083	-0.0087	-3	40	68	EFNCHHVVRLLGVVSQG QPTLVIMELMTR			Oxidation (M)[24,27]		Mascot

10	PREDICTED: homeobox protein Hox-C11a isoform 2 [Danio rerio]					gi 68437229	34998.9	9.1	9	43	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4114	842.4988	0.0874	104	226	233	SGHSTTPR					Mascot
1216.6208	1216.5925	-0.0283	-23	74	84	DLPFELNPSGK					Mascot
1320.6622	1320.6135	-0.0487	-37	252	261	EFFFNVIYINK					Mascot
1441.8485	1441.679	-0.1695	-118	265	276	LQLSRILNLTDNR					Mascot
1572.7223	1572.7548	0.0325	21	2	15	FNSVNIIGNFCSQSR					Mascot
1577.7998	1577.8296	0.0298	19	252	263	EFFFNVIYINKEK					Mascot
1675.861	1675.7169	-0.1441	-86	176	192	GSSGKPESASQVSSVLR					Mascot
1719.7577	1719.842	0.0843	49	1	15	MFNSVNIIGNFCSQSR			Oxidation (M)[1]		Mascot
1772.7573	1772.9076	0.1503	85	104	118	DCLPPSATMTMLMK			Carbamidomethyl (C)[2], Oxidation (M)[9,12,14]		Mascot

11	novel protein similar to vertebrate copine IV (CPNE4) [Danio rerio]					gi 94732437	25404.6	5.47	8	42	0	
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Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.4819	996.5818	0.0999	100	66	74	SCINPTFSK					Mascot
996.4819	996.5818	0.0999	100	66	74	SCINPTFSK					Mascot
1441.7719	1441.679	-0.0929	-64	36	48	DALSKPDPCVVIK			Carbamidomethyl (C)[9]		Mascot
1475.6543	1475.7318	0.0775	53	209	221	TSLNSLCSGDHER			Carbamidomethyl (C)[7]		Mascot
1485.6903	1485.6229	-0.0674	-45	49	60	MQSHGQWLEVDR					Mascot
1772.896	1772.9076	0.0116	7	209	224	TSLNSLCSGDHERILK					Mascot
1913.016	1912.9166	-0.0994	-52	31	48	GISDRDALSKPDPCVVIK					Mascot
2023.9246	2023.8156	-0.109	-54	104	122	EADCLGAMECTLGQIVS QR					Mascot
2023.9246	2023.8156	-0.109	-54	104	122	EADCLGAMECTLGQIVS QR					Mascot
2225.0359	2225.085	0.0491	22	104	123	EADCLGAMECTLGQIVS QRK			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot
2225.0359	2225.085	0.0491	22	104	123	EADCLGAMECTLGQIVS QRK			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot
12	T-cell receptor alpha variable region [Danio rerio]				gi 11139444	6844.6	9.67	5	42	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1084.6262	1084.543	-0.0832	-77	30	38	ERFHAALIK					Mascot
1084.6262	1084.543	-0.0832	-77	30	38	ERFHAALIK					Mascot
1320.7092	1320.6135	-0.0957	-72	6	16	INGVPRYMLNK			Oxidation (M)[8]		Mascot
1420.6414	1420.5984	-0.043	-30	47	58	DLRVSDSTVYYC					Mascot
1638.9941	1638.8279	-0.1662	-101	32	46	FHAALIKTSVPLTIK					Mascot
1752.8585	1752.8513	-0.0072	-4	12	26	YMLNKITNTSGHTEK			Oxidation (M)[2]		Mascot
13	PREDICTED: hypothetical protein LOC325902 [Danio rerio]				gi 292621312	43251.8	5.91	9	39	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.5145	850.5313	0.0168	20	77	83	IKLASYSR					Mascot
1084.611	1084.543	-0.068	-63	2	10	NLNEKKPNK					Mascot
1084.611	1084.543	-0.068	-63	2	10	NLNEKKPNK					Mascot
1441.8022	1441.679	-0.1232	-85	55	66	GIHFTVTQIRNR					Mascot
1446.5632	1446.574	0.0108	7	256	267	AFHCSMLGMMDR			Oxidation (M)[6,9,10]		Mascot

	1493.7028	1493.7094	0.0066	4	97	107	YFHMLDHMLVR					Oxidation (M)[4,8]	Mascot
	1719.7854	1719.842	0.0566	33	200	215	TEPPSLCTPNSTESTR						Mascot
	1772.9388	1772.9076	-0.0312	-18	354	370	NKNASSPPSLEISLTK						Mascot
	2180.157	2179.9604	-0.1966	-90	268	285	QIQVLEQLSNFTRNHQPK						Mascot
	2233.04	2233.0535	0.0135	6	335	353	RSPSEPTIENEISQTMEE R						Mascot

14 PREDICTED: disco-interacting protein 2 homolog C [Danio rerio] gi|189536803 170745 7.39 17 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4501	882.5546	0.1045	118	581	587	VCQYK GK			Carbamidomethyl (C)[2]		Mascot
996.4852	996.5818	0.0966	97	1014	1021	IATMLMER			Oxidation (M)[4,6]		Mascot
996.4852	996.5818	0.0966	97	1014	1021	IATMLMER			Oxidation (M)[4,6]		Mascot
1045.5887	1045.5497	-0.039	-37	1242	1251	GLGLQTESLK					Mascot
1084.615	1084.543	-0.072	-66	572	580	VNPLSWIQK					Mascot
1084.615	1084.543	-0.072	-66	572	580	VNPLSWIQK					Mascot
1165.567	1165.7288	0.1618	139	1166	1174	LQCELYPSR			Carbamidomethyl (C)[3]		Mascot
1165.567	1165.7288	0.1618	139	1166	1174	LQCELYPSR			Carbamidomethyl (C)[3]		Mascot
1184.5841	1184.4415	-0.1426	-120	374	383	QEPMVRPGDR					Mascot
1316.6917	1316.6779	-0.0138	-10	605	615	DQRDINLSSLR					Mascot
1441.8737	1441.679	-0.1947	-135	254	266	VSAKIQQLVNTLK					Mascot
1485.806	1485.6229	-0.1831	-123	827	839	IAVFSVTVLHDER					Mascot
1493.7781	1493.7094	-0.0687	-46	1163	1174	SIKLQCELYPSR			Carbamidomethyl (C)[6]		Mascot
1772.886	1772.9076	0.0216	12	1285	1300	DLGLHPRAVSTSFQGR			Carbamidomethyl (C)[15]		Mascot
2055.0903	2054.8594	-0.2309	-112	928	947	QKQPEIGPASVMVGNLV SGK			Oxidation (M)[12]		Mascot
2185.1025	2185.105	0.0025	1	1074	1092	MIVEVSRSAACVMTTQISK			Carbamidomethyl (C)[10], Oxidation (M)[1,12]		Mascot
2185.1025	2185.105	0.0025	1	1074	1092	MIVEVSRSAACVMTTQISK			Carbamidomethyl (C)[10], Oxidation (M)[1,12]		Mascot
2211.1074	2211.0718	-0.0356	-16	676	695	GVLSMQGLSYGVIRVDS EER			Oxidation (M)[5]		Mascot
2283.092	2283.144	0.052	23	236	257	YGNAELMETGDGVPVSS RVSAK			Oxidation (M)[7]		Mascot
2283.092	2283.144	0.052	23	236	257	YGNAELMETGDGVPVSS RVSAK			Oxidation (M)[7]		Mascot
2514.1792	2514.1936	0.0144	6	1536	1556	MHLRDGFLADQLDPIYVA YNM			Oxidation (M)[1,21]		Mascot
3338.7341	3338.7083	-0.0258	-8	1121	1151	KPPQLYKPSNPDTLAYLD FSVSTTGMLAGVK					Mascot

15 methyltransferase-like protein 13 [Danio rerio] gi|217416336 75976.5 5.99 11 38 0

Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
		864.4032	864.5068	0.1036	120	504	510 DFVPCAR			Carbamidomethyl (C)[5]		Mascot
		1062.6306	1062.6775	0.0469	44	589	597 KVVYLLSPR					Mascot
		1165.6221	1165.7288	0.1067	92	598	607 GLFMLNLVCR					Mascot
		1165.6221	1165.7288	0.1067	92	598	607 GLFMLNLVCR					Mascot
		1485.796	1485.6229	-0.1731	-117	291	303 SNHFAIFVPQGR					Mascot
		1533.74	1533.8055	0.0655	43	630	643 GIEGEVNEVLLCCR					Mascot
		1573.8407	1573.7151	-0.1256	-80	153	165 YVCITLAQEHVIK			Carbamidomethyl (C)[3]		Mascot
		1573.8407	1573.7151	-0.1256	-80	153	165 YVCITLAQEHVIK			Carbamidomethyl (C)[3]		Mascot
		2040.9086	2040.8425	-0.0661	-32	7	22 TAEEFSSADYWERFFR					Mascot
		2040.9086	2040.8425	-0.0661	-32	7	22 TAEEFSSADYWERFFR					Mascot
		2180.0613	2179.9604	-0.1009	-46	569	588 DTTLGMSCPPPAFVETSL LK			Carbamidomethyl (C)[8], Oxidation (M)[6]		Mascot
		2283.1826	2283.144	-0.0386	-17	536	556 LKVTLDGDLHITTELESE GER					Mascot
		2283.1826	2283.144	-0.0386	-17	536	556 LKVTLDGDLHITTELESE GER					Mascot
		2300.1226	2300.1436	0.021	9	52	72 VLVVGCGNSELSEQLYD VGYR					Mascot
		3337.5254	3337.7178	0.1924	58	453	482 SVDRGFLCCTHHEVMVA GLAMLGMDAINNK			Carbamidomethyl (C)[8], Oxidation (M)[15,21,24]		Mascot
16	ras-related protein Rab-40C [Danio rerio]						gi 94536665	31226.9	9.41	8	37	0

Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
		850.576	850.5313	-0.0447	-53	212	219 LPLPVAIK					Mascot
		1084.5858	1084.543	-0.0428	-39	134	142 RQVPTEQAR					Mascot
		1084.5858	1084.543	-0.0428	-39	134	142 RQVPTEQAR					Mascot
		1149.615	1149.5762	-0.0388	-34	17	27 FLLVGDSVDVGK					Mascot
		1279.6252	1279.7557	0.1305	102	76	85 FCTIFRSYSR					Mascot
		1772.7335	1772.9076	0.1741	98	224	239 SFSMANGMNAVMMHGR			Oxidation (M)[4,8]		Mascot
		2028.996	2028.8933	-0.1027	-51	65	81 LELWDTSGQGRFCTIFR					Mascot
		2284.3462	2284.1384	-0.2078	-91	199	219 AIVSCTPVHLIDKLPLPVAI K			Carbamidomethyl (C)[5]		Mascot
		3459.6235	3459.7966	0.1731	50	143	172 AYAENKNGMTFFEVSPLC NFNVIESFTLSR			Oxidation (M)[8]		Mascot
17	PREDICTED: zinc finger protein 658-like [Danio rerio]						gi 326666995	54907.7	9.53	14	37	0

Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
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1441.7183	1441.679	-0.0393	-27	185	196	SFTHKNTLDNHK							Mascot
1475.7139	1475.7318	0.0179	12	157	168	SFTHKSTFNNHR							Mascot
1533.6863	1533.8055	0.1192	78	465	477	SFSQSSSLNHHMR					Oxidation (M)[12]		Mascot
1549.6635	1549.8024	0.1389	90	17	29	SFSCSSHLNQHMR					Oxidation (M)[12]		Mascot
1557.7267	1557.7135	-0.0132	-8	214	225	FPYKSTFNNHMR					Oxidation (M)[11]		Mascot
1577.7198	1577.8296	0.1098	70	226	240	THTGEKPFACAQCGK							Mascot
1719.7611	1719.842	0.0809	47	394	408	IHTGEKPCTCTQCGK					Carbamidomethyl (C)[8,10]		Mascot
1752.7792	1752.8513	0.0721	41	198	212	THTGEKPYRCTDCGK					Carbamidomethyl (C)[10]		Mascot
2054.946	2054.8594	-0.0866	-42	465	482	SFSQSSSLNHHMRIHTG E							Mascot
2181.0579	2180.9521	-0.1058	-49	86	105	IHTGEKPFTCAQCGQSFA KK							Mascot
2211.0435	2211.0718	0.0283	13	310	328	IHTGEKPFTCTQCGKSFN R					Carbamidomethyl (C)[10]		Mascot
2808.3191	2808.3599	0.0408	15	30	54	VHTGEKPFTCTQCGKSF SQSSHLNK					Carbamidomethyl (C)[10]		Mascot
3337.4717	3337.7178	0.2461	74	17	44	SFSCSSHLNQHMRVHTG EKPFTCTQCGK					Carbamidomethyl (C)[4,23,26], Oxidation (M)[12]		Mascot
3338.4558	3338.7083	0.2525	76	2	29	SHTGEKPFLCTECGKSF SCSSHLNQHMR					Carbamidomethyl (C)[10,13,19], Oxidation (M)[27]		Mascot
18	PREDICTED: copine-4 [Danio rerio]			gi 326675160		19667.7	5.46	7	37	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	996.4819	996.5818	0.0999	100	66	74	SCINPTFSK					Mascot
	996.4819	996.5818	0.0999	100	66	74	SCINPTFSK					Mascot
	1441.7719	1441.679	-0.0929	-64	36	48	DALSKPDPCVVIK			Carbamidomethyl (C)[9]		Mascot
	1485.6903	1485.6229	-0.0674	-45	49	60	MQSHGQWLEVDR					Mascot
	1675.7454	1675.7169	-0.0285	-17	163	176	LDDKNGCILTYGFC			Carbamidomethyl (C)[7,14]		Mascot
	1913.016	1912.9166	-0.0994	-52	31	48	GISDRDALSKPDPCVVIK					Mascot
	2023.9246	2023.8156	-0.109	-54	104	122	EADCLGAMECTLGQIVS QR					Mascot
	2023.9246	2023.8156	-0.109	-54	104	122	EADCLGAMECTLGQIVS QR					Mascot
	2225.0359	2225.085	0.0491	22	104	123	EADCLGAMECTLGQIVS QRK			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot
	2225.0359	2225.085	0.0491	22	104	123	EADCLGAMECTLGQIVS QRK			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot
19	PREDICTED: zinc finger protein 569-like [Danio rerio]					gi 326667380	66620.4	9.28	16	36	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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		870.4614	870.531	0.0696	80	501	507	SQVIHMR							Mascot
		1045.5282	1045.5497	0.0215	21	558	566	LHMAKQACK		Oxidation (M)[3]					Mascot
		1084.572	1084.543	-0.029	-27	301	308	YVCKHHLK		Carbamidomethyl (C)[3]					Mascot
		1084.572	1084.543	-0.029	-27	301	308	YVCKHHLK		Carbamidomethyl (C)[3]					Mascot
		1320.6292	1320.6135	-0.0157	-12	567	578	SGHNNNPQDLPK							Mascot
		1485.6903	1485.6229	-0.0674	-45	132	144	SFSAKSGFNTHMR		Oxidation (M)[12]					Mascot
		1533.6838	1533.8055	0.1217	79	95	107	HFPCHQC GKSF SR							Mascot
		1549.7474	1549.8024	0.055	35	383	395	SCSHKHNLTVHMR							Mascot
		1572.8856	1572.7548	-0.1308	-83	272	285	SFAQKSTLTAHIIR							Mascot
		1591.7268	1591.7767	0.0499	31	57	69	ELNEIEEKDQCGK		Carbamidomethyl (C)[11]					Mascot
		1638.7655	1638.8279	0.0624	38	319	332	YFICDQCGSSFKLK							Mascot
		1652.7632	1652.8027	0.0395	24	257	271	VHTGEKPHTCQQCGK							Mascot
		1675.7203	1675.7169	-0.0034	-2	286	299	HTGEKPFPCDQCEK		Carbamidomethyl (C)[9]					Mascot
		1719.7617	1719.842	0.0803	47	317	330	HKYFICDQCGSSFK		Carbamidomethyl (C)[6]					Mascot
		1752.8083	1752.8513	0.043	25	319	332	YFICDQCGSSFKLK		Carbamidomethyl (C)[4,7]					Mascot
		2180.0237	2179.9604	-0.0633	-29	253	271	SHFRVHTGEKPHTCQQC GK							Mascot
		2180.9521	2180.9521	0	0	368	387	VHTGEKPYSCTECGKSC SHK							Mascot
		2501.0676	2501.21	0.1424	57	346	367	SFICDQCGRNCISESGLE SHMK		Carbamidomethyl (C)[4]					Mascot
20	hypothetical protein LOC790927 [Danio rerio]					gi 121583715	57741.7	6.08	11	36	0				

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.5524	1045.5497	-0.0027	-3	212	219	IEEEIERK					Mascot
1084.5316	1084.543	0.0114	11	230	238	ETRSHPAMR					Mascot
1084.5316	1084.543	0.0114	11	230	238	ETRSHPAMR					Mascot
1118.5212	1118.5657	0.0445	40	46	55	DDVDGEIDLK					Mascot
1420.7036	1420.5984	-0.1052	-74	403	413	LMDTQMEQLRR					Mascot
1463.7158	1463.6587	-0.0571	-39	416	427	QDLQARLTDEMK			Oxidation (M)[11]		Mascot
1493.7385	1493.7094	-0.0291	-19	448	459	SCCEMQVLLRVR			Carbamidomethyl (C)[2]		Mascot
1912.9835	1912.9166	-0.0669	-35	130	147	LRSQSEASSAIINSAHNK					Mascot
2024.0117	2023.8156	-0.1961	-97	372	388	ELQALSERYSQQCVELK					Mascot
2024.0117	2023.8156	-0.1961	-97	372	388	ELQALSERYSQQCVELK					Mascot
2185.0667	2185.105	0.0383	18	352	370	ALDSHTLNKQQQDEVCS LR					Mascot
2185.0667	2185.105	0.0383	18	352	370	ALDSHTLNKQQQDEVCS LR					Mascot
2211.0017	2211.0718	0.0701	32	395	412	DDSDTQIRLMDTQMEQL			Oxidation (M)[10]		Mascot

	2514.2478	2514.1936	-0.0542	-22	475	496	R NQLHFLTTEKSSVCVCVS SYLR						Mascot
21	novel protein similar to H.sapiens OLFM1, olfactomedin 1 (OLFM1, zgc:92039) [Danio rerio]					gi 220676963	17247.8	9.07	6	35	0		

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4781	850.5313	0.0532	63	131	137	GLETKFR						Mascot
864.4825	864.5068	0.0243	28	118	124	DLQYVVVK						Mascot
1652.8312	1652.8027	-0.0285	-17	118	130	DLQYVVKMEDQLR				Oxidation (M)[8]		Mascot
1675.8431	1675.7169	-0.1262	-75	101	114	VQNMTQSIQVLDQR				Oxidation (M)[4]		Mascot
2040.9082	2040.8425	-0.0657	-32	73	90	CVCTTVAPQQTMCSDA R				Carbamidomethyl (C)[1], Oxidation (M)[12]		Mascot
2040.9082	2040.8425	-0.0657	-32	73	90	CVCTTVAPQQTMCSDA R				Carbamidomethyl (C)[1], Oxidation (M)[12]		Mascot
2045.0557	2044.9039	-0.1518	-74	101	117	VQNMTQSIQVLDQRTQR						Mascot

22	PREDICTED: pericentrin [Danio rerio]					gi 326668478	491858	4.98	31	34	0	
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Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
842.4995	842.4988	-0.0007	-1	15	21	AKLAHFR						Mascot
850.4087	850.5313	0.1226	144	2129	2136	TPSSMTAR						Mascot
882.5155	882.5546	0.0391	44	3606	3612	SEIHKLR						Mascot
1045.4908	1045.5497	0.0589	56	1472	1480	QAEAEVNER						Mascot
1084.6361	1084.543	-0.0931	-86	1333	1341	EEIALLQLR						Mascot
1084.6361	1084.543	-0.0931	-86	1333	1341	EEIALLQLR						Mascot
1118.551	1118.5657	0.0147	13	224	232	EQECLAQK				Carbamidomethyl (C)[4]		Mascot
1184.5178	1184.4415	-0.0763	-64	4217	4226	SFSSTQDQER						Mascot
1316.6692	1316.6779	0.0087	7	2033	2045	AEVSGLQGELEGK						Mascot
1320.6365	1320.6135	-0.023	-17	1062	1072	WAQESAMLQTR						Mascot
1344.7118	1344.6853	-0.0265	-20	3904	3914	QLQQTLTDLER						Mascot
1475.7271	1475.7318	0.0047	3	2723	2734	SLVERLQCDQER						Mascot
1485.7366	1485.6229	-0.1137	-77	2046	2058	GAEMETLESLLHR						Mascot
1533.7941	1533.8055	0.0114	7	2298	2310	LAEELASARMQLK				Oxidation (M)[10]		Mascot
1557.7213	1557.7135	-0.0078	-5	919	930	QHEEEQKMLEEK						Mascot
1572.7435	1572.7548	0.0113	7	1515	1526	EQLRQMEETHQK				Oxidation (M)[6]		Mascot
1573.7162	1573.7151	-0.0011	-1	919	930	QHEEEQKMLEEK				Oxidation (M)[8]		Mascot

	1573.7162	1573.7151	-0.0011	-1	919	930	QHEEEQKMLEEK	Oxidation (M)[8]	Mascot	
	1577.8281	1577.8296	0.0015	1	1139	1151	IKTEFQSELNNVR		Mascot	
	1591.8915	1591.7767	-0.1148	-72	367	379	LDNLVKELQNHRLR		Mascot	
	1638.881	1638.8279	-0.0531	-32	2528	2541	TVTQLEQELQKGHK		Mascot	
	1652.7809	1652.8027	0.0218	13	1501	1514	MHSEELEKAASQHR		Mascot	
	1719.8547	1719.842	-0.0127	-7	3592	3605	TELQSSYKHQEELK		Mascot	
	1772.9402	1772.9076	-0.0326	-18	3094	3108	DRALADLEIHNQHLK		Mascot	
	1993.9937	1993.9467	-0.047	-24	3014	3031	ELHEQQEAAVAKQGEAQ K		Mascot	
	2041.14	2040.8425	-0.2975	-146	148	165	NEIISQLSKNLQVALQSR		Mascot	
	2041.14	2040.8425	-0.2975	-146	148	165	NEIISQLSKNLQVALQSR		Mascot	
	2045.0648	2044.9039	-0.1609	-79	711	728	TSIPSSTELLQELQEEK		Mascot	
	2180.1128	2179.9604	-0.1524	-70	1206	1224	AVEELVACHKVALQEQQ ER		Mascot	
	2181.0745	2180.9521	-0.1224	-56	1579	1596	LEQAFLEVQKQLDMESE K	Oxidation (M)[14]	Mascot	
	2184.9858	2185.105	0.1192	55	2116	2136	LGSCVSGGQSEEKTPSS MTAR	Carbamidomethyl (C)[4], Oxidation (M)[18]	Mascot	
	2184.9858	2185.105	0.1192	55	2116	2136	LGSCVSGGQSEEKTPSS MTAR	Carbamidomethyl (C)[4], Oxidation (M)[18]	Mascot	
	2247.1404	2247.0632	-0.0772	-34	3304	3321	LELEENTERLDAHFVEYLR		Mascot	
	2284.1013	2284.1384	0.0371	16	3955	3974	ENSEFSECLAALSEEKISL K	Carbamidomethyl (C)[8]	Mascot	
	2300.0935	2300.1436	0.0501	22	3545	3563	LQQEQTQSHDLRCSLEA EK	Carbamidomethyl (C)[13]	Mascot	
	2501.2075	2501.21	0.0025	1	2956	2977	LEELEEHVQADMVNLSAL ETSK	Oxidation (M)[12]	Mascot	
23	outer dense fiber of sperm tails 3-like 2 [Danio rerio]				gi 194578833	27402.8	10.1	7	34	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1084.5013	1084.543	0.0417	38	1	9 MTMSETEKK					Mascot
1084.5013	1084.543	0.0417	38	1	9 MTMSETEKK					Mascot
1279.6099	1279.7557	0.1458	114	167	178 CKSGGLAENWSK					Mascot
1533.7556	1533.8055	0.0499	33	76	89 FGRDGTPAYSLHGR					Mascot
1557.7703	1557.7135	-0.0568	-36	197	210 QPAFSMLGRHANGR			Oxidation (M)[6]		Mascot
1560.7904	1560.8088	0.0184	12	94	109 GGILSTPGPGTYSPEK					Mascot
1719.7867	1719.842	0.0553	32	79	93 DGTPAYSLHGRMENR			Oxidation (M)[12]		Mascot
2055.0076	2054.8594	-0.1482	-72	110	127 ASLSSTHRKPPSYTMGY R			Oxidation (M)[15]		Mascot

24 novel protein [Danio rerio] gi|94734532 73379.5 8.71 11 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End Sequence	Ion	C. I. %	Modification	Rank	Result Type
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			Seq.		Seq.	Score				
	870.5267	870.531	0.0043	5	562	570	RIAAGGVAR			Mascot
	1084.4979	1084.543	0.0451	42	402	410	TAFLDTCEK	Carbamidomethyl (C)[7]		Mascot
	1084.4979	1084.543	0.0451	42	402	410	TAFLDTCEK	Carbamidomethyl (C)[7]		Mascot
	1118.6066	1118.5657	-0.0409	-37	175	183	SHHDQLLLR			Mascot
	1279.7382	1279.7557	0.0175	14	188	198	LVGQHFRVAR			Mascot
	1316.6627	1316.6779	0.0152	12	274	286	ASTEGMGGPLKPR	Oxidation (M)[6]		Mascot
	1320.7018	1320.6135	-0.0883	-67	574	585	RIYVLGGENGSR			Mascot
	1475.7345	1475.7318	-0.0027	-2	144	155	LQVMPLQDLCSR	Carbamidomethyl (C)[10], Oxidation (M)[4]		Mascot
	1557.7002	1557.7135	0.0133	9	311	323	DFTVDCFDPRGTGK	Carbamidomethyl (C)[6]		Mascot
	1772.9146	1772.9076	-0.007	-4	327	344	LAALGSLCPGCTAVGG R	Carbamidomethyl (C)[9,12]		Mascot
	2029.0382	2028.8933	-0.1449	-71	294	310	IVCVDLKPREDESLQER			Mascot
	3338.678	3338.7083	0.0303	9	371	401	WISRPLMAEPRAMLGLL GCGGFLYALGGCNR	Oxidation (M)[7]		Mascot

25 coiled-coil domain-containing protein 123, mitochondrial precursor [Danio rerio] gi|41053710 79256.9 5.96 11 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
1118.5082	1118.5657	0.0575	51	304	312	CLQQSQHMK			Oxidation (M)[8]		Mascot	
1216.6143	1216.5925	-0.0218	-18	1	10	MSSKFNFSLR					Mascot	
1279.7269	1279.7557	0.0288	23	366	375	YQARFRPLTK					Mascot	
1475.7522	1475.7318	-0.0204	-14	564	575	VKTCEVEDLQVR			Carbamidomethyl (C)[4]		Mascot	
1533.8192	1533.8055	-0.0137	-9	503	515	VMLLEAEKQSLEK			Oxidation (M)[2]		Mascot	
1577.6901	1577.8296	0.1395	88	226	239	SMASPELDDWSSPR					Mascot	
1638.8077	1638.8279	0.0202	12	654	667	DQLMLMASTLEKDK			Oxidation (M)[4]		Mascot	
2211.0823	2211.0718	-0.0105	-5	340	358	QQAQELVDENDGLKMTV HR					Mascot	
2233.2188	2233.0535	-0.1653	-74	536	555	LALEHSLSLAEHQVTDK LK					Mascot	
2247.2092	2247.0632	-0.146	-65	534	553	VRLALEHSLSLAEHQVT DK					Mascot	
2501.1707	2501.21	0.0393	16	304	323	CLQQSQHMKHLQQELCH THR			Oxidation (M)[8]		Mascot	

26 novel protein [Danio rerio] gi|220679558 45035 4.99 8 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
842.473	842.4988	0.0258	31	382	388	DPKDVLR					Mascot	

	882.4791	882.5546	0.0755	86	1	7	VSTYTRR										Mascot
	1045.5889	1045.5497	-0.0392	-37	54	62	VIDTLESLR										Mascot
	1084.6401	1084.543	-0.0971	-90	343	351	VSLPWLLEK										Mascot
	1084.6401	1084.543	-0.0971	-90	343	351	VSLPWLLEK										Mascot
	1184.501	1184.4415	-0.0595	-50	8	16	CPGCQMIYR						Carbamidomethyl (C)[1,4]				Mascot
	1772.7578	1772.9076	0.1498	85	220	235	DCNVDSNGSAFDMILR						Oxidation (M)[13]				Mascot
	2023.9971	2023.8156	-0.1815	-90	108	126	NGVFSTAASDLKEPPSEF K										Mascot
	2023.9971	2023.8156	-0.1815	-90	108	126	NGVFSTAASDLKEPPSEF K										Mascot
	2247.2205	2247.0632	-0.1573	-70	43	62	HSLQSHVGLSRVIDTLES LR										Mascot
27	si:ch1073-126c3.2 [Danio rerio]				gi 221307488		24754.2	6.97	6	33	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4243	864.5068	0.0825	95	1	8	MESATIGR					Mascot
1638.8069	1638.8279	0.021	13	199	213	SELAKVETTESSESTK					Mascot
2054.9285	2054.8594	-0.0691	-34	114	130	IYCKPMCNAGYDFNFLR					Mascot
2184.9663	2185.105	0.1387	63	114	130	IYCKPMCNAGYDFNFLR			Carbamidomethyl (C)[3,7], Oxidation (M)[6]		Mascot
2184.9663	2185.105	0.1387	63	114	130	IYCKPMCNAGYDFNFLR			Carbamidomethyl (C)[3,7], Oxidation (M)[6]		Mascot
2211.0295	2211.0718	0.0423	19	114	131	IYCKPMCNAGYDFNFLRR					Mascot
2284.0459	2284.1384	0.0925	40	114	131	IYCKPMCNAGYDFNFLRR			Carbamidomethyl (C)[3], Oxidation (M)[6]		Mascot
2298.0503	2298.1475	0.0972	42	112	130	DKIYCKPMCNAGYDFNFL R					Mascot
2808.4785	2808.3599	-0.1186	-42	85	111	AFQKLLPENCPAPAVPEN GGLLCLSVK					Mascot

28 hypothetical protein LOC100191015 [Danio rerio] gi|209863095 44412.9 9.4 8 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.5373	996.5818	0.0445	45	282	288	QRIFNYR					Mascot
996.5373	996.5818	0.0445	45	282	288	QRIFNYR					Mascot
1475.6802	1475.7318	0.0516	35	176	188	APDNSGSLFYNYK					Mascot
1493.8335	1493.7094	-0.1241	-83	22	33	RSVWVHEILQAR					Mascot
1752.9075	1752.8513	-0.0562	-32	267	281	RDLMRPFPGHNLSGR					Mascot
1993.9834	1993.9467	-0.0367	-18	309	326	MYRGAIEISPANVDACVK			Carbamidomethyl (C)[16]		Mascot
2055.0183	2054.8594	-0.1589	-77	1	17	MEDQVVACCVALLYLRR			Carbamidomethyl (C)[8], Oxidation (M)[1]		Mascot
2211.1743	2211.0718	-0.1025	-46	294	311	LIVENTFGILTAQWRMYR					Mascot

2514.2795 2514.1936 -0.0859 -34 337 361 STTSTRIPPLPSAADGDAA
GLQEVTR Mascot

29 PREDICTED: zinc finger protein 567-like [Danio rerio] gi|189517588 45312.1 9.54 11 33 0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1051.6119	1051.6962	0.0843	80	66	74	KTSLHGRPR					Mascot
1051.6119	1051.6962	0.0843	80	67	75	TSLHGRPRK					Mascot
1441.6879	1441.679	-0.0089	-6	1	12	MAFIKEESEDVK			Oxidation (M)[1]		Mascot
1572.7952	1572.7548	-0.0404	-26	146	158	SFSQKPNLDIHMR					Mascot
1577.7198	1577.8296	0.1098	70	299	313	THTGEKPFACAQCGK					Mascot
1719.8304	1719.842	0.0116	7	131	145	IHTGEKPFSCQKCGK			Carbamidomethyl (C)[10]		Mascot
2180.0586	2179.9604	-0.0982	-45	327	345	VHTGTIVFTCDQCGKSLT R			Carbamidomethyl (C)[10,13]		Mascot
2185.0164	2185.105	0.0886	41	299	318	THTGEKPFACAQCGKSF STK			Carbamidomethyl (C)[10]		Mascot
2185.0164	2185.105	0.0886	41	299	318	THTGEKPFACAQCGKSF STK			Carbamidomethyl (C)[10]		Mascot
2233.031	2233.0535	0.0225	10	323	341	NHMKVHTGTIVFTCDQC GK			Carbamidomethyl (C)[14,17]		Mascot
2300.0435	2300.1436	0.1001	44	159	178	VHTGEKPYSCEQCGKSF SQK			Carbamidomethyl (C)[10]		Mascot
3337.5146	3337.7178	0.2032	61	95	122	SNLDVHMRVHTGEKPYT CEQCAQSFSQK			Carbamidomethyl (C)[18,21]		Mascot

30 Zgc:101621 protein [Danio rerio] gi|160773250 15314.9 9.35 5 33 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
1320.6793	1320.6135	-0.0658	-50	39	49	LQEDGEQFVKK				Mascot
1577.8533	1577.8296	-0.0237	-15	12	27	VQAVLTSASAGLEGFK				Mascot
2040.9287	2040.8425	-0.0862	-42	88	106	ADCTIAMADSDLLDLMTG K			Carbamidomethyl (C)[3]	Mascot
2040.9287	2040.8425	-0.0862	-42	88	106	ADCTIAMADSDLLDLMTG K			Carbamidomethyl (C)[3]	Mascot
2185.0186	2185.105	0.0864	40	87	106	KADCTIAMADSDLLDLMT GK			Carbamidomethyl (C)[4], Oxidation (M)[8]	Mascot
2185.0186	2185.105	0.0864	40	87	106	KADCTIAMADSDLLDLMT GK			Carbamidomethyl (C)[4], Oxidation (M)[8]	Mascot
3338.5046	3338.7083	0.2037	61	88	117	ADCTIAMADSDLLDLMTG KMNPQTAFQK			Carbamidomethyl (C)[3], Oxidation (M)[7,16,20]	Mascot

31 PREDICTED: outer dense fiber protein 2 [Danio rerio] gi|326677656 95646.7 6.54 13 33 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type

	850.4338	850.5313	0.0975	115	714	720	ECSILTK				Carbamidomethyl (C)[2]	Mascot
	1051.6259	1051.6962	0.0703	67	46	55	TGLHPTAKVK					Mascot
	1051.6259	1051.6962	0.0703	67	46	55	TGLHPTAKVK					Mascot
	1062.5612	1062.6775	0.1163	109	34	43	CSPTKTAQVK					Mascot
	1118.551	1118.5657	0.0147	13	659	667	NMLLQEENK					Mascot
	1165.5881	1165.7288	0.1407	121	247	257	MSGSDSTLLVR					Mascot
	1165.5881	1165.7288	0.1407	121	247	257	MSGSDSTLLVR					Mascot
	1320.6139	1320.6135	-0.0004	0	788	798	DRLEQSDSTNR					Mascot
	1441.8009	1441.679	-0.1219	-85	463	475	GQLEVEIALLNSR					Mascot
	1463.741	1463.6587	-0.0823	-56	213	226	KLLEAEMDSSAAAK					Mascot
	1485.6849	1485.6229	-0.062	-42	233	245	ETVSQMSRSTSEK				Oxidation (M)[6]	Mascot
	1573.8367	1573.7151	-0.1216	-77	643	656	IKAEQQGSLAEMLR					Mascot
	1573.8367	1573.7151	-0.1216	-77	643	656	IKAEQQGSLAEMLR	2		0		Mascot
	1591.822	1591.7767	-0.0453	-28	227	240	QVSALRETVSQMSR					Mascot
	1752.9061	1752.8513	-0.0548	-31	659	672	NMLLQEENKQLQHK					Mascot
	3459.7236	3459.7966	0.073	21	423	454	SEDTVGQLSGQLLEIEKQ LAEAVTAAENWSSR					Mascot
32	olfactomedin 1b [Danio rerio]			gi 51011063			14508.5	8.86	6	32	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	850.4781	850.5313	0.0532	63	103	109	GLETKFR					Mascot
	864.4825	864.5068	0.0243	28	90	96	DLQYVVK					Mascot
	1652.8312	1652.8027	-0.0285	-17	90	102	DLQYVVKMEDQLR			Oxidation (M)[8]		Mascot
	1675.8431	1675.7169	-0.1262	-75	73	86	VQNMTQSIQVLDQR			Oxidation (M)[4]		Mascot
	2040.9082	2040.8425	-0.0657	-32	45	62	CVCTTVAPQQTMCSDA R			Carbamidomethyl (C)[1], Oxidation (M)[12]		Mascot
	2040.9082	2040.8425	-0.0657	-32	45	62	CVCTTVAPQQTMCSDA R			Carbamidomethyl (C)[1], Oxidation (M)[12]		Mascot
	2045.0557	2044.9039	-0.1518	-74	73	89	VQNMTQSIQVLDQRTQR					Mascot

33 lft81 protein [Danio rerio] gi|145337899 29908.3 5.76 8 32 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	870.5519	870.531	-0.0209	-24	200	206	VLRQQVK					Mascot
	1045.5636	1045.5497	-0.0139	-13	14	21	TEEILRER					Mascot

1184.5173	1184.4415	-0.0758	-64	65	74	TLDDMSEMVK	Oxidation (M)[5]	Mascot
1420.6307	1420.5984	-0.0323	-23	210	220	ENQEPNMRQMK	Oxidation (M)[7]	Mascot
1572.7177	1572.7548	0.0371	24	99	111	QEHAELAPEYEK		Mascot
1912.9399	1912.9166	-0.0233	-12	96	111	ALRQEHAELAPEYEK		Mascot
2225.0879	2225.085	-0.0029	-1	147	163	YHHINCEREIIESQIQ	Carbamidomethyl (C)[6]	Mascot
2225.0879	2225.085	-0.0029	-1	147	163	YHHINCEREIIESQIQ	Carbamidomethyl (C)[6]	Mascot
2283.1914	2283.144	-0.0474	-21	234	254	QCYLKAQSQAPIGHVIQD VGK		Mascot
2283.1914	2283.144	-0.0474	-21	234	254	QCYLKAQSQAPIGHVIQD VGK		Mascot

34 novel protein similar to H.sapiens OLFM1, olfactomedin 1 (OLFM1, zgc:92039) [Danio rerio] gi|220676962 55200.4 8.33 9 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4781	850.5313	0.0532	63	131	137	GLETKFR					Mascot
864.4825	864.5068	0.0243	28	118	124	DLQYVVK					Mascot
996.5182	996.5818	0.0636	64	315	322	FQSNMIK			Oxidation (M)[5]		Mascot
996.5182	996.5818	0.0636	64	315	322	FQSNMIK			Oxidation (M)[5]		Mascot
1533.777	1533.8055	0.0285	19	315	326	FQSNMIKFDK			Oxidation (M)[5]		Mascot
1652.8312	1652.8027	-0.0285	-17	118	130	DLQYVVKMEDQLR			Oxidation (M)[8]		Mascot
1675.8431	1675.7169	-0.1262	-75	101	114	VQNMTQSIQVLDQR			Oxidation (M)[4]		Mascot
2040.9082	2040.8425	-0.0657	-32	73	90	CVCTTVAPQQTMCSDA R			Carbamidomethyl (C)[1], Oxidation (M)[12]		Mascot
2040.9082	2040.8425	-0.0657	-32	73	90	CVCTTVAPQQTMCSDA R			Carbamidomethyl (C)[1], Oxidation (M)[12]		Mascot
2045.0557	2044.9039	-0.1518	-74	101	117	VQNMTQSIQVLDQRTQR					Mascot
2284.0298	2284.1384	0.1086	48	241	261	TGSRFGSWMTDPLAPE GDTR			Oxidation (M)[10]		Mascot

35 LOC10002738 protein [Danio rerio] gi|134026300 92988.4 5.6 11 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4842	842.4988	0.0146	17	602	608	IVDPSRR					Mascot
1184.5265	1184.4415	-0.085	-72	614	622	CHYEPHSVR			Carbamidomethyl (C)[1]		Mascot
1560.9108	1560.8088	-0.102	-65	634	647	ETLIGVHIPTKQPK					Mascot
1577.7642	1577.8296	0.0654	41	609	622	APPGKCHYEPHSVR					Mascot
2185.0481	2185.105	0.0569	26	445	463	IFCGDVGNKYEEVDIV K					Mascot
2185.0481	2185.105	0.0569	26	445	463	IFCGDVGNKYEEVDIV K					Mascot

2225.1641	2225.085	-0.0791	-36	239	257	FFVAEQVGLVWVYLPDQ SK						Mascot
2225.1641	2225.085	-0.0791	-36	239	257	FFVAEQVGLVWVYLPDQ SK						Mascot
2233.259	2233.0535	-0.2055	-92	625	644	SNIIPFEPKETLIGVHIPTK						Mascot
2247.1477	2247.0632	-0.0845	-38	481	500	KLCANSSLDDVLPYAYP HK						Mascot
2306.075	2306.1121	0.0371	16	204	224	TAADSEGCLQLCLEEVA NGLR				Carbamidomethyl (C)[8,12]		Mascot
2808.3152	2808.3599	0.0447	16	513	537	GCENPNLNGLYIFGDFM SGRLMSLK				Oxidation (M)[17,22]		Mascot
3338.5549	3338.7083	0.1534	46	1	28	LHNFYFHVSEVGSQALS VMWYFCDVFGR						Mascot
36	PREDICTED: obscurin [Danio rerio]			gi 326669989		741504.6	6.35	39	31	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
842.473	842.4988	0.0258	31	5613	5620	DVAITAPR				Mascot
864.4573	864.5068	0.0495	57	5295	5301	EVEFGKR				Mascot
870.577	870.531	-0.046	-53	1721	1727	LELVIRK				Mascot
1045.5248	1045.5497	0.0249	24	1960	1968	AGCPVEWRK				Mascot
1051.5895	1051.6962	0.1067	101	3572	3581	SKAVPEAPPR				Mascot
1051.5895	1051.6962	0.1067	101	3574	3583	AVPEAPPRSK				Mascot
1062.5248	1062.6775	0.1527	144	1791	1800	GAEMLLAGER		Oxidation (M)[4]		Mascot
1084.5382	1084.543	0.0048	4	4601	4609	DEHSLIQSR				Mascot
1084.5997	1084.543	-0.0567	-52	2327	2336	NNVTLLPGEK				Mascot
1118.5874	1118.5657	-0.0217	-19	791	800	GIVVLECETR				Mascot
1149.5721	1149.5762	0.0041	4	6343	6351	MTPYKPEQR				Mascot
1165.567	1165.7288	0.1618	139	6343	6351	MTPYKPEQR		Oxidation (M)[1]		Mascot
1165.567	1165.7288	0.1618	139	6343	6351	MTPYKPEQR		Oxidation (M)[1]		Mascot
1316.7936	1316.6779	-0.1157	-88	1391	1403	ATIKIVGAPATFK				Mascot
1344.7668	1344.6853	-0.0815	-61	3951	3962	TLTTIPVRGMQK				Mascot
1441.7621	1441.679	-0.0831	-58	5364	5375	LACLLDFFSTRR				Mascot
1446.7709	1446.574	-0.1969	-136	2779	2790	GMMLLRPGHKYK		Oxidation (M)[2]		Mascot
1463.692	1463.6587	-0.0333	-23	4306	4318	RHTITHNPDGGCR				Mascot
1475.7021	1475.7318	0.0297	20	4659	4671	DIASFHECCILPK				Mascot
1485.7076	1485.6229	-0.0847	-57	3539	3551	ICDLKCQDSGIYK				Mascot
1549.7891	1549.8024	0.0133	9	82	96	AEGIETSAMLTVTAR				Mascot
1560.7687	1560.8088	0.0401	26	3586	3599	NIMDEALSGQVQKK				Mascot
1573.8068	1573.7151	-0.0917	-58	4376	4389	TVVPTVNTEEEESLR				Mascot
1573.8068	1573.7151	-0.0917	-58	4376	4389	TVVPTVNTEEEESLR				Mascot

1652.7948	1652.8027	0.0079	5	1702	1715	GEEVLTPGEKYQMR	Oxidation (M)[13]	Mascot
1675.8398	1675.7169	-0.1229	-73	4575	4588	TREIFSLAHESETR		Mascot
1719.7101	1719.842	0.1319	77	5445	5458	ICDFGFCQEVDSRR	Carbamidomethyl (C)[2,7]	Mascot
1772.9153	1772.9076	-0.0077	-4	274	288	WTLNGQILFPCPDIR		Mascot
1993.9899	1993.9467	-0.0432	-22	784	800	DVFAEEKGIVVLECETR	Carbamidomethyl (C)[14]	Mascot
2024.0117	2023.8156	-0.1961	-97	1545	1563	LAINNLVEGDAGNYTCKT K		Mascot
2024.0117	2023.8156	-0.1961	-97	1545	1563	LAINNLVEGDAGNYTCKT K		Mascot
2040.9219	2040.8425	-0.0794	-39	113	129	ESLTFICEVNWEDVDGK	Carbamidomethyl (C)[7]	Mascot
2040.9219	2040.8425	-0.0794	-39	113	129	ESLTFICEVNWEDVDGK	Carbamidomethyl (C)[7]	Mascot
2045.0549	2044.9039	-0.151	-74	543	560	DGEILNSTEKEYEILHVGK		Mascot
2181.0757	2180.9521	-0.1236	-57	5033	5051	GQDVQFKCSTQSPFPFSI R	Carbamidomethyl (C)[8]	Mascot
2184.9424	2185.105	0.1626	74	1193	1212	NPVPEDSGTYICVCEDQ STK		Mascot
2184.9424	2185.105	0.1626	74	1193	1212	NPVPEDSGTYICVCEDQ STK		Mascot
2210.9956	2211.0718	0.0762	34	4509	4527	ETFDIYVAKTDCHPMGG NR	Carbamidomethyl (C)[12]	Mascot
2247.2166	2247.0632	-0.1534	-68	62	81	NHTLTLTRVTLADMGIISF K	Oxidation (M)[14]	Mascot
2284.0979	2284.1384	0.0405	18	3166	3184	EKLLFFSEELQNQESEEG K		Mascot
2306.104	2306.1121	0.0081	4	1586	1607	SQEVQEGNSVTLNCELS KAGGR		Mascot
2501.2085	2501.21	0.0015	1	2793	2814	QDGCKMQLLILELSCQDS GIYK	Oxidation (M)[6]	Mascot
2808.3225	2808.3599	0.0374	13	1095	1118	KSCISLAIHNVKPPDSGN YTCICR	Carbamidomethyl (C)[3,21,23]	Mascot
3338.4536	3338.7083	0.2547	76	5965	5995	SHHDAFVIAGSSGKTSAC SLLQDSEDEDMER	Oxidation (M)[29]	Mascot
3459.521	3459.7966	0.2756	80	2430	2460	QDGCELQLQINDLTSQD SGAYRCCADGIETR	Carbamidomethyl (C)[4]	Mascot

37

PREDICTED: probable polyketide synthase 1 [Danio rerio]

gi|189536864

232039.4

6.77

19

31

0

Peptide Information							C. I. %	Modification	Rank	Result	Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence					
1045.571	1045.5497	-0.0213	-20	237	246	GEGCGIVLLK		Carbamidomethyl (C)[4]		Mascot	
1051.5895	1051.6962	0.1067	101	1148	1156	DGHVLIELR				Mascot	
1051.5895	1051.6962	0.1067	101	1148	1156	DGHVLIELR				Mascot	
1149.635	1149.5762	-0.0588	-51	1666	1674	WLKGMHLHK				Mascot	
1165.6299	1165.7288	0.0989	85	1666	1674	WLKGMHLHK		Oxidation (M)[5]		Mascot	
1165.6299	1165.7288	0.0989	85	1666	1674	WLKGMHLHK		Oxidation (M)[5]		Mascot	
1216.6685	1216.5925	-0.076	-62	777	786	KPVEFEQAIR				Mascot	

1316.7606	1316.6779	-0.0827	-63	237	249	GEGCGIVLLKSLK						Mascot
1420.7617	1420.5984	-0.1633	-115	1922	1933	LGLLMNKDNFQK						Mascot
1441.6495	1441.679	0.0295	20	762	773	QGDFVNGEYWAR						Mascot
1446.6868	1446.574	-0.1128	-78	1486	1497	VGDHVICCYPVK				Carbamidomethyl (C)[7,8]		Mascot
1533.7689	1533.8055	0.0366	24	1763	1778	GGGCIATLSRSAPSEK						Mascot
1573.8229	1573.7151	-0.1078	-68	1484	1497	LKVGDHVICCYPVK						Mascot
1573.8229	1573.7151	-0.1078	-68	1484	1497	LKVGDHVICCYPVK						Mascot
1577.9149	1577.8296	-0.0853	-54	496	510	VFAASSLSELISLLK						Mascot
1591.8816	1591.7767	-0.1049	-66	1157	1170	DVRITFLGAHGHIR						Mascot
1719.8445	1719.842	-0.0025	-1	1640	1653	TCFQTLEMSKIFQK				Oxidation (M)[8]		Mascot
1752.801	1752.8513	0.0503	29	907	921	CNLSASTNSYLWEHK						Mascot
1772.6964	1772.9076	0.2112	119	1133	1147	QMSDYFEVCGCFTDK						Mascot
2023.955	2023.8156	-0.1394	-69	526	542	LVFVFCGNGVTYRGMCK				Carbamidomethyl (C)[6,16], Oxidation (M)[15]		Mascot
2023.955	2023.8156	-0.1394	-69	526	542	LVFVFCGNGVTYRGMCK				Carbamidomethyl (C)[6,16], Oxidation (M)[15]		Mascot
2180.9724	2180.9521	-0.0203	-9	1998	2017	NKDAEDSGISVQSSVDD CVR				Carbamidomethyl (C)[18]		Mascot
2298.1797	2298.1475	-0.0322	-14	829	848	DQQTMTFNTVSKLFELGV NVK						Mascot
3338.7415	3338.7083	-0.0332	-10	2054	2082	FFQEMGVNIPLVALLDPN CTLLSLTEYLK				Carbamidomethyl (C)[19]		Mascot
38	tetratricopeptide repeat protein 5 [Danio rerio]				gi 62955285	49632.1	6.49	9	31	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	864.4798	864.5068	0.027	31	399	405	RHSVTHK					Mascot
	1084.6262	1084.543	-0.0832	-77	71	79	HSAQFLLLR					Mascot
	1084.6262	1084.543	-0.0832	-77	71	79	HSAQFLLLR					Mascot
	1149.5205	1149.5762	0.0557	48	48	57	QNDVAQEMAK			Oxidation (M)[8]		Mascot
	1475.7522	1475.7318	-0.0204	-14	48	60	QNDVAQEMAKTLK					Mascot
	1549.6976	1549.8024	0.1048	68	2	15	AEVDNDGEQKTTDK					Mascot
	2023.9211	2023.8156	-0.1055	-52	82	99	CLNVAPEFSQAAEECLSR			Carbamidomethyl (C)[1]		Mascot
	2023.9211	2023.8156	-0.1055	-52	82	99	CLNVAPEFSQAAEECLSR			Carbamidomethyl (C)[1]		Mascot
	2029.0059	2028.8933	-0.1126	-55	429	446	QVMKSQSAAFVYKPKSE					Mascot
	2045.0007	2044.9039	-0.0968	-47	429	446	QVMKSQSAAFVYKPKSE			Oxidation (M)[3]		Mascot
	2180.0222	2179.9604	-0.0618	-28	80	99	GRCLNVAPEFSQAAEECLSR					Mascot
	2247.1443	2247.0632	-0.0811	-36	103	121	LEPGLVEGWNTLGEQYWKK					Mascot
39	novel protein similar to H.sapiens OLFM1, olfactomedin				gi 220676964		52461.1	8.07	9	31	0	

1 (OLFM1, zgc:92039) [Danio rerio]

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4781	850.5313	0.0532	63	103	109	GLETKFR					Mascot
864.4825	864.5068	0.0243	28	90	96	DLQYVVK					Mascot
996.5182	996.5818	0.0636	64	287	294	FQSNMIIK			Oxidation (M)[5]		Mascot
996.5182	996.5818	0.0636	64	287	294	FQSNMIIK			Oxidation (M)[5]		Mascot
1533.777	1533.8055	0.0285	19	287	298	FQSNMIIKFDFK			Oxidation (M)[5]		Mascot
1652.8312	1652.8027	-0.0285	-17	90	102	DLQYVVKMEDQLR			Oxidation (M)[8]		Mascot
1675.8431	1675.7169	-0.1262	-75	73	86	VQNMTQSIQVLDQR			Oxidation (M)[4]		Mascot
2040.9082	2040.8425	-0.0657	-32	45	62	CVCTVVAPQQTMCSDA R			Carbamidomethyl (C)[1], Oxidation (M)[12]		Mascot
2040.9082	2040.8425	-0.0657	-32	45	62	CVCTVVAPQQTMCSDA R			Carbamidomethyl (C)[1], Oxidation (M)[12]		Mascot
2045.0557	2044.9039	-0.1518	-74	73	89	VQNMTQSIQVLDQRTQR					Mascot
2284.0298	2284.1384	0.1086	48	213	233	TSGSRFGSWMTDPLAPE GDTR			Oxidation (M)[10]		Mascot
Pbx2 [Danio rerio]				gi 7861936		18895.6	9.08	6	30	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4686	864.5068	0.0382	44	153	159	SRFLDAR					Mascot
1051.5782	1051.6962	0.118	112	133	141	FSSIQTQLK					Mascot
1051.5782	1051.6962	0.118	112	133	141	FSSIQTQLK					Mascot
1493.7563	1493.7094	-0.0469	-31	142	154	QSTCEAVMILRSR					Mascot
1572.7937	1572.7548	-0.0389	-25	33	47	LDNMLLAEGVAGPEK			Oxidation (M)[4]		Mascot
2054.927	2054.8594	-0.0676	-33	93	109	YEQACSESTTHVMNLLR			Carbamidomethyl (C)[5], Oxidation (M)[13]		Mascot
2283.1836	2283.144	-0.0396	-17	133	152	FSSIQTQLKQSTCEAVMI LR					Mascot
2283.1836	2283.144	-0.0396	-17	133	152	FSSIQTQLKQSTCEAVMI LR					Mascot

41 PREDICTED: zinc finger protein 850-like [Danio rerio] gi|326666761 93003 9.53 17 30 0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.4719	870.531	0.0591	68	361	367	LFTQFSK					Mascot
1045.4441	1045.5497	0.1056	101	407	415	TFTCTQCGK			Carbamidomethyl (C)[4]		Mascot

1084.5898	1084.543	-0.0468	-43	429	437	IHTGEKPFR						Mascot
1084.5898	1084.543	-0.0468	-43	429	437	IHTGEKPFR						Mascot
1149.6626	1149.5762	-0.0864	-75	639	648	TFITAAELKR						Mascot
1184.5476	1184.4415	-0.1061	-90	73	83	SACNFGSKQSR						Mascot
1216.5562	1216.5925	0.0363	30	295	304	KPHTCTQCGK	Carbamidomethyl (C)[5,8]					Mascot
1420.7478	1420.5984	-0.1494	-105	142	153	ANLDVHMRVHTK						Mascot
1493.7166	1493.7094	-0.0072	-5	500	512	SFSQSSSLNLHMR						Mascot
1591.7355	1591.7767	0.0412	26	686	698	LFTCTQCGKSFSR	Carbamidomethyl (C)[4,7]					Mascot
1638.8203	1638.8279	0.0076	5	290	304	IHTGKKPHTCTQCGK						Mascot
1719.769	1719.842	0.073	42	262	276	THTGDRSFICTHCGK	Carbamidomethyl (C)[10]					Mascot
1752.8632	1752.8513	-0.0119	-7	290	304	IHTGKKPHTCTQCGK	Carbamidomethyl (C)[10,13]					Mascot
2055.0188	2054.8594	-0.1594	-78	310	326	TSLDNHMRIHTGEKPYPYR						Mascot
2184.9849	2185.105	0.1201	55	342	360	HHMRTHTGEKPFACTQC GK	Oxidation (M)[3]					Mascot
2184.9912	2185.105	0.1138	52	745	763	STQCGKSFSLSNFNPH MR	Carbamidomethyl (C)[4]					Mascot
2283.0327	2283.144	0.1113	49	342	360	HHMRTHTGEKPFACTQC GK	Carbamidomethyl (C)[14,17]					Mascot
2283.0327	2283.144	0.1113	49	342	360	HHMRTHTGEKPFACTQC GK	Carbamidomethyl (C)[14,17]					Mascot
2808.2935	2808.3599	0.0664	24	699	722	LSSLNLHMMIHTGEKPFT CSQCGK	Carbamidomethyl (C)[19,22], Oxidation (M)[8,9]					Mascot
3337.52	3337.7178	0.1978	59	193	220	SFYHPGNFAVHMRIHTG ERPYTQCGK	Carbamidomethyl (C)[23], Oxidation (M)[12]					Mascot
3338.4268	3338.7083	0.2815	84	444	471	SFNCSSHLNEHMMIHTG EKPFTCTQCGK	Carbamidomethyl (C)[4,23,26]					Mascot
42	Ppp4r2a protein [Danio rerio]			gi 156230689			49479.9	4.37	8	30	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	850.4199	850.5313	0.1114	131	172	179 KGSSCVNR						Mascot
	1045.5598	1045.5497	-0.0101	-10	134	142 LCELLTEPK						Mascot
	1184.6058	1184.4415	-0.1643	-139	144	153 NYAGTDKFLR						Mascot
	1591.8591	1591.7767	-0.0824	-52	120	133 IVNGYNGIPFTIQR						Mascot
	1772.7731	1772.9076	0.1345	76	180	195 MNGVMFPGNTSAFPDR				Oxidation (M)[1,5]		Mascot
	2211.075	2211.0718	-0.0032	-1	27	45 HTSTMEIDTLLGAFRDFE K						Mascot
	2501.1118	2501.21	0.0982	39	173	195 GSSCVNRMNGVMFPGN TSAFPDR				Carbamidomethyl (C)[4]		Mascot
	3338.6633	3338.7083	0.045	13	180	210 MNGVMFPGNTSAFPDRN VNGPGTPRPLNRPK						Mascot
43	novel protein similar to H.sapiens C1orf57, chromosome 1 open reading frame 57 (C1orf57, zgc:92420)				gi 220672935		20390.7	9.12	6	30	0	

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
1165.5922	1165.7288	0.1366	117	103	112 QLFVMDEVGK					Mascot
1165.5922	1165.7288	0.1366	117	103	112 QLFVMDEVGK					Mascot
1463.7601	1463.6587	-0.1014	-69	45	58 VGFDVVTVSGDRGR					Mascot
1485.8246	1485.6229	-0.2017	-136	1	14 MKHVFLTGVPGVGK			Oxidation (M)[1]		Mascot
1753.037	1752.8513	-0.1857	-106	3	19 HVFLTGVPGVGKTTLVK					Mascot
2028.9364	2028.8933	-0.0431	-21	95	112 NMQEGSGKQLFVMDEV GK			Oxidation (M)[2,13]		Mascot
2247.0962	2247.0632	-0.033	-15	20	39 KVCDTLSGLSVSGFYTEE VR			Carbamidomethyl (C)[3]		Mascot
44	hypothetical protein LOC100145413 [Xenopus (Silurana) tropicalis]			gi 187607099		39415.2	9.16	10	30	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
1118.6429	1118.5657	-0.0772	-69	249	258 THQKIHAGVK					Mascot
1344.5558	1344.6853	0.1295	96	229	239 EKPYSCECGK			Carbamidomethyl (C)[6,9]		Mascot
1446.6287	1446.574	-0.0547	-38	62	74 NCFTCSQCCKSLR					Mascot
1533.7955	1533.8055	0.01	7	100	112 SFRTSSSLKPHMR					Mascot
1549.7904	1549.8024	0.012	8	100	112 SFRTSSSLKPHMR			Oxidation (M)[12]		Mascot
1560.6715	1560.8088	0.1373	88	62	74 NCFTCSQCCKSLR			Carbamidomethyl (C)[2,5]		Mascot
1719.8284	1719.842	0.0136	8	30	43 QEETEEQTDLKEIK					Mascot
1752.8043	1752.8513	0.047	27	225	239 VHTKEKPYSCCECGK			Carbamidomethyl (C)[10]		Mascot
2179.9392	2179.9604	0.0212	10	166	183 HMMIHTGEKPFCTCECG K			Carbamidomethyl (C)[13,16], Oxidation (M)[2]		Mascot
2211.1702	2211.0718	-0.0984	-45	184	202 SFIQLSTLNLHMRIHAGE K			Oxidation (M)[12]		Mascot
2501.1548	2501.21	0.0552	22	113	134 IHTGEKPYTCTQCGKSFG QSSK			Carbamidomethyl (C)[10,13]		Mascot
2808.2056	2808.3599	0.1543	55	47	71 LGDTEGIISMQSGNKNCF TCSQCGK			Carbamidomethyl (C)[17,20,23], Oxidation (M)[10]		Mascot
45	hypothetical protein LOC751722 [Danio rerio]			gi 113679753		31904.4	6.69	8	30	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
870.577	870.531	-0.046	-53	190	197 NLLLKAAK					Mascot
1062.5248	1062.6775	0.1527	144	182	189 EQRLEMEK					Mascot
1216.5449	1216.5925	0.0476	39	219	228 HCADLLNMDK			Carbamidomethyl (C)[2]		Mascot

	1279.6616	1279.7557	0.0941	74	231	240	NGNLMWLYLR										Mascot
	1557.7689	1557.7135	-0.0554	-36	103	115	ALISHSQQLMEER						Oxidation (M)[10]				Mascot
	1573.7097	1573.7151	0.0054	3	216	228	NDKHCADLLNMDK						Carbamidomethyl (C)[5]				Mascot
	1573.7097	1573.7151	0.0054	3	216	228	NDKHCADLLNMDK						Carbamidomethyl (C)[5]				Mascot
	1652.7875	1652.8027	0.0152	9	117	129	HLQQEQQDLEQEK										Mascot
	2225.1409	2225.085	-0.0559	-25	74	92	ETLTENQRTAAHLELELE K										Mascot
	2225.1409	2225.085	-0.0559	-25	74	92	ETLTENQRTAAHLELELE K										Mascot
46	novel protein [Danio rerio]				gi 94732554		10949.6	4.74	4	30	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4087	850.5313	0.1226	144	1	8	MAALDASR			Oxidation (M)[1]		Mascot
2029.0713	2028.8933	-0.178	-88	44	61	LPVSVKINPDAYSQDNIR					Mascot
2045.0258	2044.9039	-0.1219	-60	9	27	NVTEAEDAARLLSDAINS R					Mascot
3338.7009	3338.7083	0.0074	2	64	93	VGVADAESHHIPITVMV PVYMTISELKEK			Oxidation (M)[17]		Mascot

47	toll-like receptor 6 [Danio rerio]				gi 194578857		91036.5	6.38	11	30	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4053	850.5313	0.126	148	65	71	DFNTTPR					Mascot
1279.6245	1279.7557	0.1312	103	228	237	MEVVQQMRSR			Oxidation (M)[1]		Mascot
1320.6439	1320.6135	-0.0304	-23	749	758	YYQLKTMMSR					Mascot
1463.743	1463.6587	-0.0843	-58	640	651	LHFHAFVSYSQK					Mascot
1485.6726	1485.6229	-0.0497	-33	672	683	MCHHERDFIPGK			Oxidation (M)[1]		Mascot
1493.7767	1493.7094	-0.0673	-45	271	283	ELSLTDLTITEMK					Mascot
1560.7437	1560.8088	0.0651	42	131	144	FSAMALGEEFSMLK					Mascot
1577.7958	1577.8296	0.0338	21	760	772	TYLEWPQEGAKQK					Mascot
1652.9006	1652.8027	-0.0979	-59	534	548	DFASLINAQGIKTFK					Mascot
2024.0443	2023.8156	-0.2287	-113	326	344	VSLTESPIIFMTCPGTISK					Mascot
2024.0443	2023.8156	-0.2287	-113	326	344	VSLTESPIIFMTCPGTISK					Mascot
2225.1555	2225.085	-0.0705	-32	325	344	KVSLTESPIIFMTCPGTIS K			Carbamidomethyl (C)[14], Oxidation (M)[12]		Mascot
2225.1555	2225.085	-0.0705	-32	325	344	KVSLTESPIIFMTCPGTIS K			Carbamidomethyl (C)[14], Oxidation (M)[12]		Mascot

48	disks large homolog 5 [Danio rerio]				gi 224496092		217705.3	6.7	1	21	0						
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Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1084.6473	1084.543	-0.1043	-96	327	335 QIDALLKQR	21	0		2	Mascot
49	PREDICTED: Down syndrome cell adhesion molecule like 1 [Danio rerio]				gi 292621329	232717.7	8.83	1	13	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1165.5782	1165.7288	0.1506	129	2	11 TVPRMGGYER	13	0		1	Mascot
50	E3 ubiquitin-protein ligase NEDD4 [Danio rerio]				gi 77681805	105816.1	6.16	1	11	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1165.7052	1165.7288	0.0236	20	543	552 LKKPAEIPNR	11	0		2	Mascot

Gel Idx/Pos	188/H15	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	bifunctional purine biosynthesis protein PURH [Danio rerio]	gi 195539484	64003.9	6.31	22	1,170	100	1019	100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
869.5203	869.5105	-0.0098	-11	199	206 GVSQPLR					Mascot
869.5203	869.5105	-0.0098	-11	199	206 GVSQPLR	38	95.43			Mascot
892.4886	892.4758	-0.0128	-14	14	21 TGLVEFAR					Mascot
892.4886	892.4758	-0.0128	-14	14	21 TGLVEFAR	33	84.938			Mascot
926.5822	926.5717	-0.0105	-11	379	386 VLFGLHLK					Mascot
960.4686	960.4583	-0.0103	-11	460	466 ADNWWLR	42	98.302			Mascot
960.4686	960.4583	-0.0103	-11	460	466 ADNWWLR					Mascot
1033.536	1033.5251	-0.0109	-11	467	475 HHPGVLSMR					Mascot
1049.5309	1049.5206	-0.0103	-10	467	475 HHPGVLSMR			Oxidation (M)[8]		Mascot
1075.6146	1075.6029	-0.0117	-11	255	265 ALGLPAATSFK					Mascot

1320.5889	1320.6573	0.0684	52	425	435	YTQSNSVCYAK			Carbamidomethyl (C)[8]	Mascot
1341.7749	1341.761	-0.0139	-10	66	78	TLHPAVHGGILAR				Mascot
1341.7749	1341.761	-0.0139	-10	66	78	TLHPAVHGGILAR	92	100		Mascot
1385.7131	1385.6997	-0.0134	-10	436	449	DGQVIGIGAGQQSR	123	100		Mascot
1385.7131	1385.6997	-0.0134	-10	436	449	DGQVIGIGAGQQSR				Mascot
1444.7332	1444.7188	-0.0144	-10	455	466	LAGDKADNWWLR				Mascot
1607.7733	1607.7588	-0.0145	-9	49	63	DVSEITGFPEMLGGR				Mascot
1623.7683	1623.7515	-0.0168	-10	49	63	DVSEITGFPEMLGGR	38	95.409	Oxidation (M)[11]	Mascot
1623.7683	1623.7515	-0.0168	-10	49	63	DVSEITGFPEMLGGR			Oxidation (M)[11]	Mascot
1637.6636	1637.6448	-0.0188	-11	366	378	MDPEYEPDEEEVR				Mascot
1653.6584	1653.6389	-0.0195	-12	366	378	MDPEYEPDEEEVR			Oxidation (M)[1]	Mascot
1665.8152	1665.8595	0.0443	27	141	155	VTVVCDPDYNVVAK			Carbamidomethyl (C)[5]	Mascot
1701.8582	1701.8429	-0.0153	-9	508	522	GLFEEVPEPLSEVEK				Mascot
1710.8955	1710.8761	-0.0194	-11	572	586	ACNELGITLVHTNIR			Carbamidomethyl (C)[2]	Mascot
1710.8955	1710.8761	-0.0194	-11	572	586	ACNELGITLVHTNIR	102	100	Carbamidomethyl (C)[2]	Mascot
1809.7629	1809.7441	-0.0188	-10	156	170	EMETSEIHDTTMETR				Mascot
1819.8708	1819.8468	-0.024	-13	335	351	EVSDGIVAPGYEEDALR				Mascot
1819.8708	1819.8468	-0.024	-13	335	351	EVSDGIVAPGYEEDALR	136	100		Mascot
1825.7579	1825.7393	-0.0186	-10	156	170	EMETSEIHDTTMETR			Oxidation (M)[2]	Mascot
1829.9531	1829.9308	-0.0223	-12	508	523	GLFEEVPEPLSEVEKK				Mascot
1833.9341	1833.9143	-0.0198	-11	266	284	HVSPAGAAVGVP LSEDE AK				Mascot
1841.7528	1841.7614	0.0086	5	156	170	EMETSEIHDTTMETR			Oxidation (M)[2,12]	Mascot
2034.9192	2034.8927	-0.0265	-13	177	193	AFTHTAQYDEAISDYFR				Mascot
2034.9192	2034.8927	-0.0265	-13	177	193	AFTHTAQYDEAISDYFR	150	100		Mascot
2225.0764	2225.084	0.0076	3	285	304	VCMVNDMLQDLT PLATA YAR				Mascot
2298.0928	2298.0984	0.0056	2	285	304	VCMVNDMLQDLT PLATA YAR			Carbamidomethyl (C)[2], Oxidation (M)[3]	Mascot
2555.3562	2555.322	-0.0342	-13	108	132	TVSSPGVTVEDAVEQIDI GGVTLLR				Mascot
2555.3562	2555.322	-0.0342	-13	108	132	TVSSPGVTVEDAVEQIDI GGVTLLR	266	100		Mascot

2 PREDICTED: kinase suppressor of Ras 1 [Danio rerio] gi|326674294 98801.7 8.24 17 50 56.512

Peptide Information						Ion Score	C. I. % Modification	Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.				
842.3898	842.4998	0.11	131	368	374	NMMFGVK	Oxidation (M)[2]		Mascot
850.5396	850.5322	-0.0074	-9	83	89	LVKYISK			Mascot
892.4345	892.4758	0.0413	46	705	712	GMGYLHAK	Oxidation (M)[2]		Mascot

892.4345	892.4758	0.0413	46	705	712	GMGYLHAK	Oxidation (M)[2]	Mascot
954.4899	954.4235	-0.0664	-70	367	374	KNMMFGVK		Mascot
976.5057	976.4554	-0.0503	-52	583	591	ASQTSVDLR		Mascot
982.4509	982.4392	-0.0117	-12	10	19	GMETSSVSGK		Mascot
998.4458	998.4122	-0.0336	-34	10	19	GMETSSVSGK	Oxidation (M)[2]	Mascot
1051.5571	1051.7004	0.1433	136	395	403	ISFAQFPNK		Mascot
1073.494	1073.4951	0.0011	1	368	376	NMMFGVKCK	Oxidation (M)[2]	Mascot
1075.521	1075.6029	0.0819	76	1	9	MPLKPCQCR		Mascot
1102.6718	1102.6154	-0.0564	-51	50	59	LIEISSSLK		Mascot
1118.5913	1118.6117	0.0204	18	310	319	SKSQSQLANR		Mascot
1148.5374	1148.5958	0.0584	51	1	9	MPLKPCQCR	Carbamidomethyl (C)[6], Oxidation (M)[1]	Mascot
1320.7423	1320.6573	-0.085	-64	395	405	ISFAQFPNKIR		Mascot
1607.8944	1607.7588	-0.1356	-84	759	771	GWYYLAPEIVRK		Mascot
1710.8553	1710.8761	0.0208	12	328	342	MEYALSEGSPVLRK		Mascot
1710.8553	1710.8761	0.0208	12	328	342	MEYALSEGSPVLRK		Mascot
2096.9507	2096.8096	-0.1411	-67	484	501	GSADSRFHFPAAACYFQHR		Mascot
2225.1382	2225.084	-0.0542	-24	731	750	VVITDFGLFGMSGVVQEDRR		Mascot
2249.1265	2249.0305	-0.096	-43	133	152	LSLDALLQMSSGQVEENMKR		Mascot

3 PREDICTED: zinc finger protein 420 isoform 2 [Danio rerio] gi|326678086 70371 9.08 16 48 27.828

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
842.5206	842.4998	-0.0208	-25	25	31	QRQGLLK				Mascot
864.4798	864.4897	0.0099	11	591	597	HRSVHTK				Mascot
998.4407	998.4122	-0.0285	-29	292	300	THRCGHCGK				Mascot
1045.536	1045.5522	0.0162	15	134	141	FHCARNLK		Carbamidomethyl (C)[3]		Mascot
1073.5408	1073.4951	-0.0457	-43	598	606	EKPPSCSLR		Carbamidomethyl (C)[6]		Mascot
1118.4645	1118.6117	0.1472	132	348	356	GFVCFECEK		Carbamidomethyl (C)[4]		Mascot
1623.806	1623.7515	-0.0545	-34	105	117	SFSQKYNLVHMR				Mascot
1623.806	1623.7515	-0.0545	-34	105	117	SFSQKYNLVHMR				Mascot
1665.8087	1665.8595	0.0508	30	174	188	VHTKEKPYSCSVCGK				Mascot
1724.8247	1724.8828	0.0581	34	202	216	IHTGVREFVCFECGK				Mascot
1748.7731	1748.8676	0.0945	54	454	468	VHTNEKPYSCPECGK		Carbamidomethyl (C)[10]		Mascot
1819.9358	1819.8468	-0.089	-49	44	58	IKQEETEELIDVMVK		Oxidation (M)[13]		Mascot

	1819.9358	1819.8468	-0.089	-49	44	58	IKQEETEELIDVMVK		Oxidation (M)[13]		Mascot
	1847.8527	1847.8706	0.0179	10	454	469	VHTNEKPYSCPECGKR				Mascot
	2034.8579	2034.8927	0.0348	17	118	133	IHTGEQPYKCSHCDMR		Carbamidomethyl (C)[10,13], Oxidation (M)[15]		Mascot
	2034.8579	2034.8927	0.0348	17	118	133	IHTGEQPYKCSHCDMR		Carbamidomethyl (C)[10,13], Oxidation (M)[15]		Mascot
	2211.0798	2211.0767	-0.0031	-1	450	468	IHLRVHTNEKPYSCPECK				Mascot
	2283.0579	2283.1169	0.059	26	227	245	HQMIHTGEKPYKCSHCDLR				Mascot
	2298.0906	2298.0984	0.0078	3	478	496	LHQHVHTGVREFVCFCEK				Mascot
4	Synbl protein [Danio rerio]				gi 141796272		31226.2	5.37	9	48	24.426

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5709	842.4998	-0.0711	-84	18	24	VEKLLLK					Mascot
1045.6769	1045.5522	-0.1247	-119	171	179	LLFLLSALR					Mascot
1131.619	1131.5668	-0.0522	-46	87	97	EGMLTLAGLAR					Mascot
1541.901	1541.775	-0.126	-82	195	207	LLTNVLERTLDVR					Mascot
1678.8138	1678.85	0.0362	22	57	71	SDLPLCQSTCLETLR					Mascot
1710.7738	1710.8761	0.1023	60	1	16	MSLSDILSEIDGGDDK			Oxidation (M)[1]		Mascot
1710.7738	1710.8761	0.1023	60	1	16	MSLSDILSEIDGGDDK			Oxidation (M)[1]		Mascot
2034.9623	2034.8927	-0.0696	-34	238	255	ALFNLTMSDPCDKDSLHK					Mascot
2034.9623	2034.8927	-0.0696	-34	238	255	ALFNLTMSDPCDKDSLHK					Mascot
2249.0105	2249.0305	0.02	9	25	43	YNTENSRTFAFDLEEERGA					Mascot
2283.0193	2283.1169	0.0976	43	98	118	ICVAGHEGEPLLEEAQSAEEER					Mascot

5	Synbl protein [Danio rerio]				gi 63101126		33515.4	5.82	9	46	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5709	842.4998	-0.0711	-84	41	47	VEKLLLK					Mascot
1045.6769	1045.5522	-0.1247	-119	194	202	LLFLLSALR					Mascot
1131.619	1131.5668	-0.0522	-46	110	120	EGMLTLAGLAR					Mascot
1444.6447	1444.7188	0.0741	51	261	273	ALFNLTMSDSCDK					Mascot
1541.901	1541.775	-0.126	-82	218	230	LLTNVLERTLDVR					Mascot
1678.8138	1678.85	0.0362	22	80	94	SDLPLCQSTCLETLR					Mascot
1841.9829	1841.7614	-0.2215	-120	1	17	YSLLLCAEGLTVFLSGR					Mascot

	2249.0105	2249.0305	0.02	9	48	66	YNTENSRTFAFDLEEEGA R										Mascot
	2283.0193	2283.1169	0.0976	43	121	141	ICVAGHEGEPLLEEAQSAE EER										Mascot
6	PREDICTED: myosin-9, partial [Danio rerio]				gi 326665652		196608.4	5.46	21	45	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	892.4233	892.4758	0.0525	59	586	592 ADEWLMK					Mascot
	892.4808	892.4758	-0.005	-6	1617	1623 KMELDLK			Oxidation (M)[2]		Mascot
	960.493	960.4583	-0.0347	-36	697	705 CNGVLEGIR	15	0			Mascot
	960.493	960.4583	-0.0347	-36	697	705 CNGVLEGIR					Mascot
	1033.5571	1033.5251	-0.032	-31	1607	1615 QRTLAMAAR			Oxidation (M)[6]		Mascot
	1045.5887	1045.5522	-0.0365	-35	1169	1177 ETEVAQLKK					Mascot
	1051.5717	1051.7004	0.1287	122	818	826 NCAAYLKLR					Mascot
	1073.5197	1073.4951	-0.0246	-23	425	432 ATYERMFR					Mascot
	1075.608	1075.6029	-0.0051	-5	433	440 WLVMRINK			Oxidation (M)[4]		Mascot
	1118.5801	1118.6117	0.0316	28	1656	1664 ELEDTRLR					Mascot
	1131.6051	1131.5668	-0.0383	-34	805	813 RQQQLTAMR					Mascot
	1341.6644	1341.761	0.0966	72	1517	1528 DDVGKSVHDLEK					Mascot
	1341.6644	1341.761	0.0966	72	1517	1528 DDVGKSVHDLEK					Mascot
	1558.8588	1558.8331	-0.0257	-16	722	734 QRYEILTPNSIPK					Mascot
	1623.744	1623.7515	0.0075	5	379	392 VCHLMGMNVTDFTR	3	0			Mascot
	1623.744	1623.7515	0.0075	5	379	392 VCHLMGMNVTDFTR					Mascot
	1637.8546	1637.6448	-0.2098	-128	709	721 QGFNRIVFQEFR					Mascot
	1710.8302	1710.8761	0.0459	27	1561	1574 LEVNMQAMKAQYER					Mascot
	1710.8302	1710.8761	0.0459	27	1561	1574 LEVNMQAMKAQYER					Mascot
	1772.9442	1772.8203	-0.1239	-70	764	778 VFFRAGVLAHLEEEER					Mascot
	1809.8339	1809.7441	-0.0898	-50	278	292 TFHMFYYMLTGVGDK					Mascot
	1825.8287	1825.7393	-0.0894	-49	278	292 TFHMFYYMLTGVGDK			Oxidation (M)[4]		Mascot
	1841.8237	1841.7614	-0.0623	-34	278	292 TFHMFYYMLTGVGDK			Oxidation (M)[4,8]		Mascot
	1847.9935	1847.8706	-0.1229	-67	623	640 IVGLDKVAGMSELPGAFK			Oxidation (M)[10]		Mascot
	2225.0979	2225.084	-0.0139	-6	1419	1436 TRLQQELDDMLVDQDHL R					Mascot
	2298.0806	2298.0984	0.0178	8	999	1017 LMEERIAEFTTNLAEEEE K			Oxidation (M)[2]		Mascot
	2299.9951	2300.115	0.1199	52	158	178 SMMQDREDQSILCTGES GAGK			Carbamidomethyl (C)[13]		Mascot

7	zinc finger protein Eos [Danio rerio]				gi 294489252		53711.7	7.09	13	45	0						
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Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type	
	882.4791	882.5579	0.0788	89	196	203	DALTGHLR					Mascot	
	902.5417	902.5221	-0.0196	-22	283	290	LANSITKR					Mascot	
	1033.5248	1033.5251	0.0003	0	298	305	FLGEKHMR			Oxidation (M)[7]		Mascot	
	1403.5765	1403.6858	0.1093	78	185	194	CPFCNYACRR			Carbamidomethyl (C)[1,4,8]		Mascot	
	1558.7642	1558.8331	0.0689	44	417	430	EAMQVVDGEGRPVR			Oxidation (M)[3]		Mascot	
	1623.7874	1623.7515	-0.0359	-22	469	481	SQDRYEFSSHIVR					Mascot	
	1623.7874	1623.7515	-0.0359	-22	469	481	SQDRYEFSSHIVR					Mascot	
	1724.7656	1724.8828	0.1172	68	382	396	HSPSHAKEMDIEGDR			Oxidation (M)[9]		Mascot	
	1833.8865	1833.9143	0.0278	15	54	70	VELYSDEEAGGAPLVER					Mascot	
	2034.9302	2034.8927	-0.0375	-18	129	146	CDICGMICIGPNVLMVHK			Carbamidomethyl (C)[1], Oxidation (M)[6,15]		Mascot	
	2034.9302	2034.8927	-0.0375	-18	129	146	CDICGMICIGPNVLMVHK			Carbamidomethyl (C)[1], Oxidation (M)[6,15]		Mascot	
	2097.0869	2096.8096	-0.2773	-132	412	430	SPLTREAMQVVDGEGRPVR					Mascot	
	2225.0657	2225.084	0.0183	8	303	321	HMRLNISEAPYDLDPNDK					Mascot	
	2283.0029	2283.1169	0.114	50	148	167	SHTGERPFQCNQCGASF TQK			Carbamidomethyl (C)[10]		Mascot	
	2555.1978	2555.322	0.1242	49	100	126	GQAGSGCGEMASSEPA SPGPIRLPNGK					Mascot	
	2555.1978	2555.322	0.1242	49	100	126	GQAGSGCGEMASSEPA SPGPIRLPNGK					Mascot	
8	calbindin 2a [Danio rerio]				gi 41152295		31105.5	4.99	6	44	0	21	0

Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	892.4556	892.4758	0.0202	23	171	178	LGLSEMAR			Oxidation (M)[6]		Mascot
	892.4556	892.4758	0.0202	23	171	178	LGLSEMAR	23	0	Oxidation (M)[6]		Mascot
	996.4454	996.5897	0.1443	145	162	170	MFDLNGDGK					Mascot
	1118.5874	1118.6117	0.0243	22	259	267	SELEIVLCR			Carbamidomethyl (C)[8]		Mascot
	1320.5963	1320.6573	0.061	46	68	77	MTEFMQKFDK			Oxidation (M)[1]		Mascot
	1809.8694	1809.7441	-0.1253	-69	195	209	LSAEQFNAIFTYYDK					Mascot
	2555.3293	2555.322	-0.0073	-3	5	26	GQQPPYLHLAELTASQFL DIWK					Mascot
	2555.3293	2555.322	-0.0073	-3	5	26	GQQPPYLHLAELTASQFL DIWK					Mascot
9	PREDICTED: LOW QUALITY PROTEIN: ryanodine receptor 2 [Danio rerio]				gj 189530774		552356.6	5.83	32	44	0	

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
869.4111	869.5105	0.0994	114	1354	1360	DELNNHK					Mascot
869.4111	869.5105	0.0994	114	1354	1360	DELNNHK					Mascot
892.529	892.4758	-0.0532	-60	1525	1532	LFPVFAK					Mascot
892.529	892.4758	-0.0532	-60	1525	1532	LFPVFAK	10	0			Mascot
902.5557	902.5221	-0.0336	-37	590	597	TIISLLDK					Mascot
954.4526	954.4235	-0.0291	-30	659	666	DDSAQYKK					Mascot
960.4203	960.4583	0.038	40	2667	2674	HSVMDSER					Mascot
960.4203	960.4583	0.038	40	2667	2674	HSVMDSER					Mascot
976.4152	976.4554	0.0402	41	2667	2674	HSVMDSER			Oxidation (M)[4]		Mascot
996.5624	996.5897	0.0273	27	3510	3516	LEIYFRR					Mascot
1045.5459	1045.5522	0.0063	6	75	83	ALQEMLANR					Mascot
1049.5626	1049.5206	-0.042	-40	4247	4255	LTDLFGDLR					Mascot
1051.5604	1051.7004	0.14	133	2440	2448	AAMVFLDR			Oxidation (M)[3]		Mascot
1073.5006	1073.4951	-0.0055	-5	2977	2985	EMVTSLFCK			Oxidation (M)[2]		Mascot
1131.467	1131.5668	0.0998	88	23	32	CCSSGPHQQK			Carbamidomethyl (C)[1]		Mascot
1165.567	1165.7366	0.1696	146	33	43	LCLAAEGFGER					Mascot
1320.6517	1320.6573	0.0056	4	2130	2139	VFYQHPNLMR			Oxidation (M)[9]		Mascot
1341.6038	1341.761	0.1572	117	3404	3414	MNKGGVFCQER			Carbamidomethyl (C)[8], Oxidation (M)[1]		Mascot
1341.6403	1341.761	0.1207	90	4175	4185	MTRDLNCFSVR					Mascot
1385.6478	1385.6997	0.0519	37	1585	1596	VPDHTQSVEMSR					Mascot
1385.6478	1385.6997	0.0519	37	1585	1596	VPDHTQSVEMSR					Mascot
1403.6663	1403.6858	0.0195	14	1349	1360	YAGSRDELNNHK					Mascot
1444.7253	1444.7188	-0.0065	-4	4570	4582	VMAKYGELYGSAR					Mascot
1558.7496	1558.8331	0.0835	54	3571	3583	VWLKAENDSPEDR					Mascot
1607.7218	1607.7588	0.037	23	4790	4802	DQQEQVKEDMETK					Mascot
1619.7854	1619.8684	0.083	51	2162	2174	EIIFPKMVAHCCR			Carbamidomethyl (C)[11], Oxidation (M)[7]		Mascot
1623.7167	1623.7515	0.0348	21	4790	4802	DQQEQVKEDMETK			Oxidation (M)[10]		Mascot
1623.7167	1623.7515	0.0348	21	4790	4802	DQQEQVKEDMETK			Oxidation (M)[10]		Mascot
1653.6544	1653.6389	-0.0155	-9	3636	3649	SCQSEEEQDEGLK			Carbamidomethyl (C)[2]		Mascot
1665.7788	1665.8595	0.0807	48	1	14	MDIGEAEDEIQFLR					Mascot
1678.7708	1678.85	0.0792	47	4844	4857	DVTEHTGQESYVWK					Mascot
1772.7948	1772.8203	0.0255	14	515	529	EAGECWEGVLNAFYK			Carbamidomethyl (C)[5]		Mascot
1841.8521	1841.7614	-0.0907	-49	3089	3105	QSGAGLILDEVQSCCYR					Mascot
1847.8998	1847.8706	-0.0292	-16	604	620	ILDVLCSLCVCHMAVR			Oxidation (M)[14]		Mascot

2211.1018	2211.0767	-0.0251	-11	601	620	NHKILDVLCSLCVCHGMA VR						Mascot
2233.0884	2233.0576	-0.0308	-14	1898	1917	VEAVISFSGDFVGHQLQED QR						Mascot
2249.2024	2249.0305	-0.1719	-76	2517	2538	SGPVDELLQGVYSLSKA SGLTK						Mascot
2283.2324	2283.1169	-0.1155	-51	3360	3378	LFSLVAEVFIFWAKSHNF K						Mascot
2300.2068	2300.115	-0.0918	-40	3106	3125	ILSSLYILGTCSGSFIERQ R				Carbamidomethyl (C)[11]		Mascot

10 RecName: Full=Tudor domain-containing protein 7B gi|334351210 121757 8.62 15 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4495	864.4897	0.0402	47	939	945	MEEKALK			Oxidation (M)[1]		Mascot
892.4774	892.4758	-0.0016	-2	544	550	LFELNEK					Mascot
892.4774	892.4758	-0.0016	-2	544	550	LFELNEK					Mascot
998.4901	998.4122	-0.0779	-78	876	885	STPAGSPPER					Mascot
1118.635	1118.6117	-0.0233	-21	10	19	MVRAVLQSSK					Mascot
1148.6198	1148.5958	-0.024	-21	33	42	DLTGELIPYK					Mascot
1320.665	1320.6573	-0.0077	-6	516	527	AQVCEVMADKVK					Mascot
1403.626	1403.6858	0.0598	43	477	486	LEDEMREFYR			Oxidation (M)[5]		Mascot
1619.8639	1619.8684	0.0045	3	563	577	LAGLESFSQEQAVALK					Mascot
1710.873	1710.8761	0.0031	2	1053	1066	KVMIYLVDTSQEER					Mascot
1710.873	1710.8761	0.0031	2	1053	1066	KVMIYLVDTSQEER					Mascot
1809.9745	1809.7441	-0.2304	-127	967	983	GVLTNGLVSVFQLDYGK					Mascot
1842.0331	1841.7614	-0.2717	-148	837	854	GPLKSLNPVTATQTSSLK					Mascot
2225.1013	2225.084	-0.0173	-8	925	942	LVVLMGEMILHYNKMEEK			Oxidation (M)[5,8,15]		Mascot
2249.1482	2249.0305	-0.1177	-52	445	464	VEYPSVLVVDASDTNCVI LR			Carbamidomethyl (C)[16]		Mascot
2283.0308	2283.1169	0.0861	38	1067	1085	DIWLHDIMAEFTDEMTKT A			Oxidation (M)[8]		Mascot
2555.2769	2555.322	0.0451	18	492	515	MALRSPSPGQLTAVGAE EEDDIIR					Mascot
2555.2769	2555.322	0.0451	18	492	515	MALRSPSPGQLTAVGAE EEDDIIR	3		0		Mascot

11 Transferrin receptor 1a [Danio rerio] gi|190337022 84943 6.38 10 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4842	842.4998	0.0156	19	66	72	LNQRSPK					Mascot
856.4747	856.5146	0.0399	47	344	351	LGGRNSPR					Mascot

960.5472	960.4583	-0.0889	-93	662	671	AASAL TSAIR	15	0		Mascot
960.5472	960.4583	-0.0889	-93	662	671	AASAL TSAIR				Mascot
976.4634	976.4554	-0.008	-8	409	417	DAWGPGFAR				Mascot
1045.5935	1045.5522	-0.0413	-39	683	690	IINN RIMR			Oxidation (M)[7]	Mascot
1049.5156	1049.5206	0.005	5	634	642	VESRQMSGR				Mascot
1403.7529	1403.6858	-0.0671	-48	691	703	VEGSLSPYVSPR				Mascot
1607.8462	1607.7588	-0.0874	-54	431	444	TITDMIKNDGFKPK				Mascot
1623.8411	1623.7515	-0.0896	-55	431	444	TITDMIKNDGFKPK			Oxidation (M)[5]	Mascot
1623.8411	1623.7515	-0.0896	-55	431	444	TITDMIKNDGFKPK			Oxidation (M)[5]	Mascot
1819.9734	1819.8468	-0.1266	-70	688	703	IMRVEGSLSPYVSPR			Oxidation (M)[2]	Mascot
1819.9734	1819.8468	-0.1266	-70	688	703	IMRVEGSLSPYVSPR			Oxidation (M)[2]	Mascot
2283.0339	2283.1169	0.083	36	662	682	AASAL TSAIRNSDLDDME QCR			Oxidation (M)[17]	Mascot

12 Zgc:152741 protein [Danio rerio] gi|66267405 41026.8 5.7 5 42 0 26 24.512

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
869.5315	869.5105	-0.021	-24	319	326	GASIRIPR					Mascot
869.5315	869.5105	-0.021	-24	319	326	GASIRIPR	26	24.512			Mascot
976.5071	976.4554	-0.0517	-53	279	285	RHEEHIR					Mascot
1049.472	1049.5206	0.0486	46	173	180	DIVDCHYK			Carbamidomethyl (C)[5]		Mascot
1558.6954	1558.8331	0.1377	88	327	339	QVGQEKCGYFEDR					Mascot
1653.833	1653.6389	-0.1941	-117	262	275	EEEGIEHIEKAIEK					Mascot

13 PREDICTED: zinc-binding protein A33-like [Danio rerio] gi|292610346 58802.6 7.49 10 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
869.4951	869.5105	0.0154	18	398	404	RNPEVVR					Mascot
869.4951	869.5105	0.0154	18	398	404	RNPEVVR	15	0			Mascot
892.5137	892.4758	-0.0379	-42	173	179	IKVEFEK					Mascot
892.5137	892.4758	-0.0379	-42	173	179	IKVEFEK					Mascot
960.4277	960.4583	0.0306	32	473	479	KMSFMER			Oxidation (M)[2,5]		Mascot
960.4277	960.4583	0.0306	32	473	479	KMSFMER			Oxidation (M)[2,5]		Mascot
1341.6984	1341.761	0.0626	47	350	360	HWSLGVCLLELK			Carbamidomethyl (C)[7]		Mascot
1341.6984	1341.761	0.0626	47	350	360	HWSLGVCLLELK			Carbamidomethyl (C)[7]		Mascot
1403.6559	1403.6858	0.0299	21	18	30	DPVLLGCGHSFCR					Mascot

	1558.7206	1558.8331	0.1125	72	423	436	VSFFDASCDAVIER						Mascot
	1772.783	1772.8203	0.0373	21	2	17	SLEDDLSCAVCTDVFR						Mascot
	1829.8044	1829.9308	0.1264	69	2	17	SLEDDLSCAVCTDVFR			Carbamidomethyl (C)[8]			Mascot
	2225.0259	2225.084	0.0581	26	95	111	IELFCQNDEQLLCARCR			Carbamidomethyl (C)[5,13,16]			Mascot
	2233.0085	2233.0576	0.0491	22	380	397	ERYMYHLMTAEGCEINIK			Oxidation (M)[4,8]			Mascot
	2282.9851	2283.1169	0.1318	58	31	49	QCIYDHWSSSGTRNCPIC R			Carbamidomethyl (C)[2]			Mascot
14	PREDICTED: rapamycin-insensitive companion of mTOR [Danio rerio]						gi 189533864	193500.8	8.2	18	41	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.5189	864.4897	-0.0292	-34	1102	1109	FLISLSGK					Mascot
892.492	892.4758	-0.0162	-18	286	293	MSIVASLR			Oxidation (M)[1]		Mascot
892.492	892.4758	-0.0162	-18	286	293	MSIVASLR	5	0	Oxidation (M)[1]		Mascot
954.5002	954.4235	-0.0767	-80	534	541	DSQILNHK					Mascot
1045.5887	1045.5522	-0.0365	-35	1652	1661	GNETGLLLTIK					Mascot
1049.5599	1049.5206	-0.0393	-37	509	516	DQHLPQR					Mascot
1051.5782	1051.7004	0.1222	116	822	830	GYVSKQLEK					Mascot
1385.7134	1385.6997	-0.0137	-10	326	336	GLLEVMYEIFR			Oxidation (M)[6]		Mascot
1385.7134	1385.6997	-0.0137	-10	326	336	GLLEVMYEIFR			Oxidation (M)[6]		Mascot
1541.8145	1541.775	-0.0395	-26	325	336	RGLEVMYEIFR			Oxidation (M)[7]		Mascot
1558.7344	1558.8331	0.0987	63	19	32	NDSGEENVPLDLTR					Mascot
1623.8635	1623.7515	-0.112	-69	1621	1634	NIPEDAPACRVLLR			Carbamidomethyl (C)[9]		Mascot
1623.8635	1623.7515	-0.112	-69	1621	1634	NIPEDAPACRVLLR			Carbamidomethyl (C)[9]		Mascot
1653.8629	1653.6389	-0.224	-135	720	734	ILTAATDNCRLYATK					Mascot
1710.8744	1710.8761	0.0017	1	980	994	QGCEVLKLHGWDVAVR					Mascot
1710.8843	1710.8761	-0.0082	-5	720	734	ILTAATDNCRLYATK			Carbamidomethyl (C)[9]		Mascot
1819.8629	1819.8468	-0.0161	-9	765	781	AVSVEALDILDEACEDK					Mascot
1819.8629	1819.8468	-0.0161	-9	765	781	AVSVEALDILDEACEDK					Mascot
2034.99	2034.8927	-0.0973	-48	763	781	SKAVSVEALDILDEACED K					Mascot
2035.0826	2034.8927	-0.1899	-93	286	303	MSIVASLRSWGIIINLCK			Carbamidomethyl (C)[17]		Mascot
2249.1003	2249.0305	-0.0698	-31	1181	1200	TLDTQDSTSSIGEVEVRL NR					Mascot
2283.22	2283.1169	-0.1031	-45	186	205	ACIAIICELALENPEIVAKR			Carbamidomethyl (C)[2,7]		Mascot
2298.2312	2298.0984	-0.1328	-58	1358	1378	LQQQRIHPSLSHSEALAS PAK					Mascot

15	PREDICTED: protein QN1 homolog [Danio rerio]						gi 68385147	155728.8	5.89	17	40	0	
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Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.5145	850.5322	0.0177	21	81	87	SFLKSLR					Mascot
856.4821	856.5146	0.0325	38	1	7	MAHRLTK					Mascot
902.5053	902.5221	0.0168	19	595	601	ERELSLR					Mascot
926.44	926.5717	0.1317	142	1285	1291	IQSMEFR			Oxidation (M)[4]		Mascot
990.4785	990.4245	-0.054	-55	713	720	MNTNNIQR					Mascot
1049.599	1049.5206	-0.0784	-75	702	710	LLTELSFAR					Mascot
1131.619	1131.5668	-0.0522	-46	777	786	DLAKVQAVCK			Carbamidomethyl (C)[9]		Mascot
1320.7271	1320.6573	-0.0698	-53	702	712	LLTELSFARDR					Mascot
1444.7002	1444.7188	0.0186	13	1285	1295	IQSMEFRYSQR					Mascot
1710.9133	1710.8761	-0.0372	-22	166	180	INREQELSAPTSPLR					Mascot
1710.9133	1710.8761	-0.0372	-22	166	180	INREQELSAPTSPLR					Mascot
1748.9766	1748.8676	-0.109	-62	1161	1176	VSLQAAVTHAQNQLLR					Mascot
1809.8549	1809.7441	-0.1108	-61	1084	1099	TMLSGPSHERPNNEPK			Oxidation (M)[2]		Mascot
1819.8239	1819.8468	0.0229	13	296	313	QISGSAGVCEDGQVEAG R			Carbamidomethyl (C)[9]		Mascot
1819.8239	1819.8468	0.0229	13	296	313	QISGSAGVCEDGQVEAG R			Carbamidomethyl (C)[9]		Mascot
1829.979	1829.9308	-0.0482	-26	1337	1351	MELDSILDVLRELQR					Mascot
1847.8625	1847.8706	0.0081	4	570	586	GMQEKMDGGPELASLER					Mascot
1863.8575	1863.8599	0.0024	1	570	586	GMQEKMDGGPELASLER			Oxidation (M)[2]		Mascot
2225.123	2225.084	-0.039	-18	423	441	RLMQEQDTSSQEPPPLK PK			Oxidation (M)[3]		Mascot
2555.2559	2555.322	0.0661	26	690	710	QNEEALFMENQRLLTELS FAR			Oxidation (M)[8]		Mascot
2555.2559	2555.322	0.0661	26	690	710	QNEEALFMENQRLLTELS FAR			Oxidation (M)[8]		Mascot
16	Zgc:103631 protein [Danio rerio]			gi 158253732		37789.7	8.19	9	40	0	

Peptide Information													
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type		
864.4066	864.4897	0.0831	96	100	107	CLQAGMNK					Mascot		
869.4259	869.5105	0.0846	97	337	343	LLCDMFK					Mascot		
869.4259	869.5105	0.0846	97	337	343	LLCDMFK					Mascot		
926.4474	926.5717	0.1243	134	337	343	LLCDMFK			Carbamidomethyl (C)[3]		Mascot		
960.5546	960.4583	-0.0963	-100	32	40	VLNTGLLCK					Mascot		
960.5546	960.4583	-0.0963	-100	32	40	VLNTGLLCK					Mascot		
990.4924	990.4245	-0.0679	-69	328	336	TIGNTPMEK					Mascot		

1049.5231	1049.5206	-0.0025	-2	99	107	KCLQAGMNK	Carbamidomethyl (C)[2]	Mascot
1131.5892	1131.5668	-0.0224	-20	124	133	LDALDVKDK		Mascot
1403.6368	1403.6858	0.049	35	182	194	FMASLMTAETCAK		Mascot
1558.6876	1558.8331	0.1455	93	1	14	MSMVPFSSPTSSR	Oxidation (M)[1]	Mascot
1833.9453	1833.9143	-0.031	-17	227	243	GSPSASDVRVLQEVFSR		Mascot

17 RecName: Full=Probable tRNA
threonylcarbamoyladenosine biosynthesis protein
osgepl1; AltName: Full=

gi|160013234 43929.2 8.7 9 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1073.6313	1073.4951	-0.1362	-127	246	255	TQITGAINKK					Mascot
1148.5881	1148.5958	0.0077	7	2	11	FQSCLPGALR			Carbamidomethyl (C)[4]		Mascot
1607.8112	1607.7588	-0.0524	-33	2	15	FQSCLPGALRSWSR					Mascot
1619.85	1619.8684	0.0184	11	272	287	DIAAASQHTVASHLAK					Mascot
1623.835	1623.7515	-0.0835	-51	12	25	SWSRGVFSTSTRPR					Mascot
1623.835	1623.7515	-0.0835	-51	12	25	SWSRGVFSTSTRPR					Mascot
1678.9197	1678.85	-0.0697	-42	327	342	IITDATGLHLLCPPSK					Mascot
1809.8687	1809.7441	-0.1246	-69	256	271	EKEEGVEAGQFLSCVK			Carbamidomethyl (C)[14]		Mascot
1825.8359	1825.7393	-0.0966	-53	343	358	FCTDNGVMIWNGIER					Mascot
1841.8309	1841.7614	-0.0695	-38	343	358	FCTDNGVMIWNGIER			Oxidation (M)[8]		Mascot
2249.0964	2249.0305	-0.0659	-29	26	47	LVLGIETSCDETGA AVLDETGR					Mascot

18 afadin- and alpha-actinin-binding protein [Danio rerio] gi|41387198 66121.4 6.93 13 39 0 4 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4165	850.5322	0.1157	136	432	437	NFERER					Mascot
960.5109	960.4583	-0.0526	-55	323	330	EQLTNSIR					Mascot
960.5109	960.4583	-0.0526	-55	323	330	EQLTNSIR					Mascot
976.4945	976.4554	-0.0391	-40	162	169	SEKEEVQK					Mascot
990.5288	990.4245	-0.1043	-105	199	206	LNQLLMDK			Oxidation (M)[6]		Mascot
1033.4871	1033.5251	0.038	37	1	9	MPDPTLDTK			Oxidation (M)[1]		Mascot
1049.5739	1049.5206	-0.0533	-51	438	446	KNFTEAAIR					Mascot
1131.6442	1131.5668	-0.0774	-68	273	282	KDMIALSPK			Oxidation (M)[3]		Mascot
1148.5914	1148.5958	0.0044	4	373	381	MRLELQQCK					Mascot

		1341.6389	1341.761	0.1221	91	256	266	SLMMENSELKK				Oxidation (M)[3,4]	Mascot
		1341.6389	1341.761	0.1221	91	256	266	SLMMENSELKK				Oxidation (M)[3,4]	Mascot
		1403.7125	1403.6858	-0.0267	-19	343	355	LDSQASLVASQER					Mascot
		1558.8695	1558.8331	-0.0364	-23	274	287	DMAILSPKKPCVK				Oxidation (M)[2]	Mascot
		1623.8336	1623.7515	-0.0821	-51	211	225	LSIEVSNYVGRSDGK					Mascot
		1623.8336	1623.7515	-0.0821	-51	211	225	LSIEVSNYVGRSDGK					Mascot
		2555.0322	2555.322	0.2898	113	288	311	AELADDSEAGSECEDEAGSSR				Carbamidomethyl (C)[15]	Mascot
		2555.0322	2555.322	0.2898	113	288	311	AELADDSEAGSECEDEAGSSR	4	0		Carbamidomethyl (C)[15]	Mascot
19	N(6)-adenine-specific DNA methyltransferase 2 [Danio rerio]	gi 46309537	18902.4	5.21	5	38	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
869.4008	869.5105	0.1097	126	139	145	MCSFLPR			Oxidation (M)[1]		Mascot
869.4008	869.5105	0.1097	126	139	145	MCSFLPR	9	0	Oxidation (M)[1]		Mascot
1033.4408	1033.5251	0.0843	82	156	163	CYVNYESR					Mascot
1403.6624	1403.6858	0.0234	17	156	166	CYVNYESRLLS			Carbamidomethyl (C)[1]		Mascot
1637.6901	1637.6448	-0.0453	-28	1	13	MSQFWYSEETASR			Oxidation (M)[1]		Mascot
2225.2031	2225.084	-0.1191	-54	119	138	ILLCTGAIMEEHAGKLLDLK			Carbamidomethyl (C)[4]		Mascot

20 transferrin receptor 1a [Danio rerio] gi|57770576 84944.1 6.38 9 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4842	842.4998	0.0156	19	66	72	LNQRSPK					Mascot
960.5472	960.4583	-0.0889	-93	662	671	AASALTSAIR	15	0			Mascot
960.5472	960.4583	-0.0889	-93	662	671	AASALTSAIR					Mascot
976.4634	976.4554	-0.008	-8	409	417	DAWGPGFAR					Mascot
1045.5935	1045.5522	-0.0413	-39	683	690	IINNRMIR			Oxidation (M)[7]		Mascot
1049.5156	1049.5206	0.005	5	634	642	VESRQMSGR					Mascot
1403.7529	1403.6858	-0.0671	-48	691	703	VEGSLLSPYVSPR					Mascot
1607.8462	1607.7588	-0.0874	-54	431	444	TITDMIKNDGFKPK					Mascot
1623.8411	1623.7515	-0.0896	-55	431	444	TITDMIKNDGFKPK			Oxidation (M)[5]		Mascot
1623.8411	1623.7515	-0.0896	-55	431	444	TITDMIKNDGFKPK			Oxidation (M)[5]		Mascot
1819.9734	1819.8468	-0.1266	-70	688	703	IMRVEGSLLSPYVSPR			Oxidation (M)[2]		Mascot
1819.9734	1819.8468	-0.1266	-70	688	703	IMRVEGSLLSPYVSPR			Oxidation (M)[2]		Mascot

	2283.0339	2283.1169	0.083	36	662	682	AASALTSAIRNSDLDDME QCR				Oxidation (M)[17]		Mascot
21	glutamine synthetase [Danio rerio]				gi 115430097		41664.2	5.85	4	37	0	26	24.512
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification		Rank Result Type
	869.5315	869.5105	-0.021	-24	325	332 GASIRIPR							Mascot
	869.5315	869.5105	-0.021	-24	325	332 GASIRIPR		26		24.512			Mascot
	976.5071	976.4554	-0.0517	-53	285	291 RHEEHIR							Mascot
	1049.472	1049.5206	0.0486	46	179	186 DIVDCHYK					Carbamidomethyl (C)[5]		Mascot
	1558.6954	1558.8331	0.1377	88	333	345 QVGQEKCGYFEDR							Mascot
22	hypothetical protein LOC553197 [Danio rerio]				gi 66392211		58633.7	7.78	9	37	0		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification		Rank Result Type
	869.4951	869.5105	0.0154	18	398	404 RNPEVVR							Mascot
	869.4951	869.5105	0.0154	18	398	404 RNPEVVR		15		0			Mascot
	892.5137	892.4758	-0.0379	-42	173	179 IKVEFEK							Mascot
	892.5137	892.4758	-0.0379	-42	173	179 IKVEFEK							Mascot
	960.4277	960.4583	0.0306	32	473	479 KMSFMER					Oxidation (M)[2,5]		Mascot
	960.4277	960.4583	0.0306	32	473	479 KMSFMER					Oxidation (M)[2,5]		Mascot
	1341.6984	1341.761	0.0626	47	350	360 HWSLGVLCLELK					Carbamidomethyl (C)[7]		Mascot
	1341.6984	1341.761	0.0626	47	350	360 HWSLGVLCLELK					Carbamidomethyl (C)[7]		Mascot
	1403.6559	1403.6858	0.0299	21	18	30 DPVLLGCGHSFCR							Mascot
	1558.7128	1558.8331	0.1203	77	405	417 VKLDYVCDDTMEK							Mascot
	1772.783	1772.8203	0.0373	21	2	17 SLEDDLSCAVCTDVFR							Mascot
	1829.8044	1829.9308	0.1264	69	2	17 SLEDDLSCAVCTDVFR					Carbamidomethyl (C)[8]		Mascot
	2225.0259	2225.084	0.0581	26	95	111 IELFCQNDEQLLCARCR					Carbamidomethyl (C)[5,13,16]		Mascot
	2282.9851	2283.1169	0.1318	58	31	49 QCIDYDHWSSSGTRNCPIC R					Carbamidomethyl (C)[2]		Mascot
23	PREDICTED: protein NLRC3-like [Danio rerio]				gi 326667475		86681.6	6.22	12	37	0		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification		Rank Result Type
	892.4193	892.4758	0.0565	63	740	746 SDECLIR					Carbamidomethyl (C)[4]		Mascot
	892.4193	892.4758	0.0565	63	740	746 SDECLIR					Carbamidomethyl (C)[4]		Mascot

	902.44	902.5221	0.0821	91	395	402	IPADCIDR											Mascot
	960.5472	960.4583	-0.0889	-93	45	53	TPSSVKSVR											Mascot
	960.5472	960.4583	-0.0889	-93	45	53	TPSSVKSVR											Mascot
	990.5366	990.4245	-0.1121	-113	520	527	LAFQQLDR											Mascot
	1045.5272	1045.5522	0.025	24	645	653	GLLTQQDDR											Mascot
	1320.614	1320.6573	0.0433	33	69	80	SMGYPPDLSEK											Mascot
	1341.6685	1341.761	0.0925	69	528	538	NNVIFYESDLK											Mascot
	1341.6685	1341.761	0.0925	69	528	538	NNVIFYESDLK											Mascot
	1678.7742	1678.85	0.0758	45	66	80	SDRSMGYPPDLSEK											Mascot
	1710.8486	1710.8761	0.0275	16	285	298	ENQDISFTFPLPFR											Mascot
	1710.8486	1710.8761	0.0275	16	285	298	ENQDISFTFPLPFR											Mascot
	1724.9039	1724.8828	-0.0211	-12	332	345	FKVLFILDGLDECR						Carbamidomethyl (C)[13]					Mascot
	2211.2092	2211.0767	-0.1325	-60	143	161	SIITEAALDTLFFLREMK											Mascot
	2298.1812	2298.0984	-0.0828	-36	479	496	TLTQMYTHFLRFQIQSR											Mascot

24 PREDICTED: retrotransposable element Tf2 155 kDa gi|326674161 152950.2 9.44 16 37 0
protein type 1-like [Danio rerio]

Peptide Information							Ion Score	C. I. % Modification	Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence				
882.4567	882.5579	0.1012	115	183	190	SVADYSIK				Mascot
960.5472	960.4583	-0.0889	-93	285	292	SRLSLQEK				Mascot
960.5472	960.4583	-0.0889	-93	285	292	SRLSLQEK				Mascot
982.4886	982.4392	-0.0494	-50	1012	1020	VACHPGVSR		Carbamidomethyl (C)[3]		Mascot
998.5305	998.4122	-0.1183	-118	605	613	LQGASFFTK				Mascot
1118.6125	1118.6117	-0.0008	-1	327	336	LLMGEISLDK				Mascot
1131.6091	1131.5668	-0.0423	-37	618	626	NAYHLVRMK				Mascot
1341.6104	1341.761	0.1506	112	471	482	SAVSCSVFQEER				Mascot
1341.6104	1341.761	0.1506	112	471	482	SAVSCSVFQEER				Mascot
1385.7939	1385.6997	-0.0942	-68	1099	1110	FSKATHFIPLPK				Mascot
1385.7939	1385.6997	-0.0942	-68	1099	1110	FSKATHFIPLPK				Mascot
1403.6334	1403.6858	0.0524	37	144	155	LPCCSSFDFLSK		Carbamidomethyl (C)[3]		Mascot
1607.7859	1607.7588	-0.0271	-17	1006	1020	WGHSSKVACHPGVSR				Mascot
1623.7935	1623.7515	-0.042	-26	483	496	MDLSNPSEYLDLK				Mascot
1623.7935	1623.7515	-0.042	-26	483	496	MDLSNPSEYLDLK				Mascot
1653.7876	1653.6389	-0.1487	-90	83	97	LPPPTCYAGEPHLCR				Mascot
1665.8516	1665.8595	0.0079	5	530	543	LYLSIPEREAMEK				Mascot

1710.8091	1710.8761	0.067	39	83	97	LPPPTCYAGEPHLCR	Carbamidomethyl (C)[6]	Mascot
1710.8091	1710.8761	0.067	39	83	97	LPPPTCYAGEPHLCR	Carbamidomethyl (C)[6]	Mascot
1829.85	1829.9308	0.0808	44	840	855	AASDDRIHPCAFFSHR		Mascot
1847.9609	1847.8706	-0.0903	-49	935	950	NIKPDALSRLFDSSER		Mascot
1864.0902	1863.8599	-0.2303	-124	393	410	ALSGLSLPTITHSTKPIK		Mascot

25 PREDICTED: myosin-10-like [Danio rerio] gi|292622124 232610.3 5.52 17 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4321	864.4897	0.0576	67	1663	1669	GREEAFR					Mascot
902.524	902.5221	-0.0019	-2	1862	1869	AMANKLVR					Mascot
960.493	960.4583	-0.0347	-36	725	733	CNGVLEGIR	15	0			Mascot
960.493	960.4583	-0.0347	-36	725	733	CNGVLEGIR					Mascot
976.5032	976.4554	-0.0478	-49	86	93	MNPPRFSK					Mascot
1045.5272	1045.5522	0.025	24	1515	1523	ALQEATEQR					Mascot
1051.5717	1051.7004	0.1287	122	846	854	NCAAYLKLR					Mascot
1075.6194	1075.6029	-0.0165	-15	583	590	FMRPRQLK					Mascot
1148.5979	1148.5958	-0.0021	-2	1825	1835	LSEMEGAVK GK					Mascot
1403.6947	1403.6858	-0.0089	-6	1877	1887	EVL MQVEDERR					Mascot
1619.8024	1619.8684	0.066	41	568	582	SFVDKLSAEQGSHSK					Mascot
1623.7795	1623.7515	-0.028	-17	1477	1490	FDQCLAE EKAVSAR	4	0	Carbamidomethyl (C)[4]		Mascot
1623.7795	1623.7515	-0.028	-17	1477	1490	FDQCLAE EKAVSAR			Carbamidomethyl (C)[4]		Mascot
1748.8483	1748.8676	0.0193	11	1451	1464	EEIEDMTIALQRER			Oxidation (M)[6]		Mascot
1772.9442	1772.8203	-0.1239	-70	792	806	VFFRAGVLAHLEEEER					Mascot
1819.8304	1819.8468	0.0164	9	59	74	EERGDEVEVELTDSGR					Mascot
1819.8304	1819.8468	0.0164	9	59	74	EERGDEVEVELTDSGR					Mascot
2225.0173	2225.084	0.0667	30	171	191	SMLQDREDQSILCTGES GAGK					Mascot
2249.2512	2249.0305	-0.2207	-98	198	218	VIQYLAHVASSHKSGTLG RPK					Mascot
2298.0337	2298.0984	0.0647	28	171	191	SMLQDREDQSILCTGES GAGK			Carbamidomethyl (C)[13], Oxidation (M)[2]		Mascot
2300.1008	2300.115	0.0142	6	94	113	VEDMADLTCLNEASVLH NLR			Carbamidomethyl (C)[9]		Mascot

26 novel protein [Danio rerio] gi|123230013 19821.7 8.29 6 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	1102.6102	1102.6154	0.0052	5	60	70	AGTDIDAALKK												Mascot
	1541.9414	1541.775	-0.1664	-108	161	174	TIANLPIIGTFLIR												Mascot
	1748.7982	1748.8676	0.0694	40	105	118	MNTLTVDCLFFDTR							Carbamidomethyl (C)[8], Oxidation (M)[1]				Mascot	
	1825.8823	1825.7393	-0.143	-78	122	137	CNINDEALDKIVTCFK											Mascot	
	1847.8778	1847.8706	-0.0072	-4	104	118	RMNTLTVDCLFFDTR							Oxidation (M)[2]				Mascot	
	2555.4531	2555.322	-0.1311	-51	132	153	IVTCFKHQIANLPIIGTFLIR							Carbamidomethyl (C)[4]				Mascot	
	2555.4531	2555.322	-0.1311	-51	132	153	IVTCFKHQIANLPIIGTFLIR							Carbamidomethyl (C)[4]				Mascot	
27	PREDICTED: phosphatase and actin regulator 2 [Danio rerio]																		
							gi 125833212	58430.7	7.1	8	36	0	10	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
990.4486	990.4245	-0.0241	-24	295	303	DAGKEEGER						Mascot
1148.6157	1148.5958	-0.0199	-17	217	226	KELTTSVNEK						Mascot
1385.7495	1385.6997	-0.0498	-36	190	201	TEPSRSQRPLSK						Mascot
1385.7495	1385.6997	-0.0498	-36	190	201	TEPSRSQRPLSK						Mascot
1403.8409	1403.6858	-0.1551	-110	43	54	LSSLGKIFKPWK						Mascot
1665.7537	1665.8595	0.1058	64	504	516	EMEVHEESKQFTR				Oxidation (M)[2]		Mascot
1710.9061	1710.8761	-0.03	-18	459	472	ILRFNEYVEVTEAK						Mascot
1710.9061	1710.8761	-0.03	-18	459	472	ILRFNEYVEVTEAK						Mascot
1819.8855	1819.8468	-0.0387	-21	21	38	SSLANCDVVGSSQSPQLK						Mascot
1819.8855	1819.8468	-0.0387	-21	21	38	SSLANCDVVGSSQSPQLK	10		0			Mascot
1829.8472	1829.9308	0.0836	46	156	174	GSSQASGQSSSQTSSTSK						Mascot

28 Flk1b [Danio rerio] gi|56548636 51362.5 6.09 5 36 0 28 55.754

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
869.5203	869.5105	-0.0098	-11	388	395	GDARLPLK						Mascot
869.5203	869.5105	-0.0098	-11	388	395	GDARLPLK	17		0			Mascot
892.4523	892.4758	0.0235	26	381	387	DPDYVRK						Mascot
892.4523	892.4758	0.0235	26	381	387	DPDYVRK						Mascot
926.4399	926.5717	0.1318	142	340	347	GMEFLASR				Oxidation (M)[2]		Mascot
1051.5453	1051.7004	0.1551	147	182	191	ATTCTTVAVK				Carbamidomethyl (C)[4]		Mascot
1341.6644	1341.761	0.0966	72	192	203	XLKEGATSSEYR	11		0			Mascot

29	PREDICTED: gelsolin-like [Danio rerio]	gi 326668568	79933.9	6.95	10	35	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
869.4363	869.5105	0.0742	85	593	599	KDYQTSK					Mascot
869.4363	869.5105	0.0742	85	593	599	KDYQTSK					Mascot
892.4808	892.4758	-0.005	-6	21	27	IEKMDLK			Oxidation (M)[4]		Mascot
892.4808	892.4758	-0.005	-6	21	27	IEKMDLK	6	0	Oxidation (M)[4]		Mascot
998.5417	998.4122	-0.1295	-130	13	20	EPGLQIWR					Mascot
1148.5042	1148.5958	0.0916	80	707	715	MWDTDPLDR					Mascot
1701.8629	1701.8429	-0.02	-12	470	484	VTQGQEPAHMLSLFK			Oxidation (M)[11]		Mascot
1772.9078	1772.8203	-0.0875	-49	6	20	EFQNAGKEPGLQIWR					Mascot
2233.1533	2233.0576	-0.0957	-43	522	541	AVEVEPCASKLNTNDVFV LK			Carbamidomethyl (C)[7]		Mascot
2283.0823	2283.1169	0.0346	15	111	131	YKQGGVSSGFNHVVSNE MNTK					Mascot
2298.199	2298.0984	-0.1006	-44	532	550	LNTNDVFVLKFPEGMFL WK					Mascot
2555.1694	2555.322	0.1526	60	144	166	ATEVNMSWASFNHGDCF ILDLGK					Mascot
2555.1694	2555.322	0.1526	60	144	166	ATEVNMSWASFNHGDCF ILDLGK					Mascot

30	cullin 1-like [Danio rerio]	gi 47087291	89546.8	8.18	14	35	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4825	864.4897	0.0072	8	220	227	GPTLSVYK					Mascot
882.4501	882.5579	0.1078	122	320	326	MYNLVSR					Mascot
982.572	982.4392	-0.1328	-135	669	676	LFLGYKNK					Mascot
996.6564	996.5897	-0.0667	-67	707	715	LLIQAAIVR					Mascot
1051.5531	1051.7004	0.1473	140	26	34	SGIQQVYTR					Mascot
1073.6201	1073.4951	-0.125	-116	327	336	ITDGLGELKK					Mascot
1131.6442	1131.5668	-0.0774	-68	749	757	KCIDILIEK			Carbamidomethyl (C)[2]		Mascot
1341.8099	1341.761	-0.0489	-36	176	187	QVTNAVLKLVEK					Mascot
1341.8099	1341.761	-0.0489	-36	176	187	QVTNAVLKLVEK					Mascot
1385.6709	1385.6997	0.0288	21	564	575	FTAFYGSRHSGR					Mascot
1385.6709	1385.6997	0.0288	21	564	575	FTAFYGSRHSGR					Mascot
1607.8462	1607.7588	-0.0874	-54	416	429	SPELLARYCDSLLK					Mascot
1711.0728	1710.8761	-0.1967	-115	631	645	TDILVQVLQILLKSK					Mascot

		1711.0728	1710.8761	-0.1967	-115	631	645	TDILVQVLQILLKSK									Mascot
		1772.9653	1772.8203	-0.145	-82	337	352	LLESHIHNQGLAAIEK									Mascot
		1833.9857	1833.9143	-0.0714	-39	73	89	TPTPGGAQFVGLLEYKR									Mascot
		2283.1423	2283.1169	-0.0254	-11	96	115	SYLTNLLKDGEDLMDESV LK									Mascot
31	calbindin 2 [Danio rerio]						gi 239596164	15235.8	5.73	3	35	0	23	0			
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification		Rank	Result	Type
		892.4556	892.4758	0.0202	23	32	39	LGLSEMAR					Oxidation (M)[6]			Mascot	
		892.4556	892.4758	0.0202	23	32	39	LGLSEMAR		23		0	Oxidation (M)[6]			Mascot	
		996.4454	996.5897	0.1443	145	23	31	MFDLNGDGK								Mascot	
		1829.8665	1829.9308	0.0643	35	71	86	DGNGYIDEHELDALLR								Mascot	
32	PREDICTED: vigilin isoform 2 [Danio rerio]						gi 292619547	142099.2	6.53	14	34	0	12	0			
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification		Rank	Result	Type
		882.4679	882.5579	0.09	102	899	905	EHEVQIK								Mascot	
		960.5988	960.4583	-0.1405	-146	1220	1228	ALAKGFVVR								Mascot	
		960.5988	960.4583	-0.1405	-146	1220	1228	ALAKGFVVR								Mascot	
		976.488	976.4554	-0.0326	-33	950	957	AEKCELAR					Carbamidomethyl (C)[4]			Mascot	
		990.5214	990.4245	-0.0969	-98	604	611	IREETNTK								Mascot	
		1045.5095	1045.5522	0.0427	41	848	857	GPRECVDAAK								Mascot	
		1075.5994	1075.6029	0.0035	3	195	204	ITGTKEGIEK								Mascot	
		1102.531	1102.6154	0.0844	77	848	857	GPRECVDAAK					Carbamidomethyl (C)[5]			Mascot	
		1131.6051	1131.5668	-0.0383	-34	890	898	GCRIQQITR					Carbamidomethyl (C)[2]			Mascot	
		1148.598	1148.5958	-0.0022	-2	119	129	DQGLSIMVTGK								Mascot	
		1623.8013	1623.7515	-0.0498	-31	822	836	ELAAEYGGVAVSFPR		12		0				Mascot	
		1623.8013	1623.7515	-0.0498	-31	822	836	ELAAEYGGVAVSFPR								Mascot	
		1637.8606	1637.6448	-0.2158	-132	205	218	ARHEIQLISAEQDK								Mascot	
		1665.7496	1665.8595	0.1099	66	1208	1223	TMGTGGNDEDNRALAK					Oxidation (M)[2]			Mascot	
		1701.921	1701.8429	-0.0781	-46	534	547	FPEVIIIFPDQQQK								Mascot	
		1724.933	1724.8828	-0.0502	-29	70	84	ASVITQVFHVPLEER								Mascot	
		2298.0376	2298.0984	0.0608	26	88	107	DNSQFGEGEEAKVCLDI MQK					Carbamidomethyl (C)[14]			Mascot	
33	PREDICTED: neurobeachin-like [Danio rerio]						gi 189528934	320583.8	5.86	13	34	0	23	0			

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.4046	856.5146	0.11	128	2640	2647	VYSSDTGK					Mascot
960.5009	960.4583	-0.0426	-44	329	335	WRNSEIR	23	0			Mascot
960.5009	960.4583	-0.0426	-44	329	335	WRNSEIR					Mascot
976.5066	976.4554	-0.0512	-52	1445	1452	LVCCVAVR			Carbamidomethyl (C)[3,4]		Mascot
982.5064	982.4392	-0.0672	-68	1925	1932	QRAEDVHK					Mascot
1320.6754	1320.6573	-0.0181	-14	1663	1675	TASSISSINQANK					Mascot
1444.7754	1444.7188	-0.0566	-39	142	154	NLQTSSEVGLIQR					Mascot
1541.8395	1541.775	-0.0645	-42	1250	1263	KIQTATTQSLHGR					Mascot
1558.7834	1558.8331	0.0497	32	2143	2154	WMFSEIRAVFTR			Oxidation (M)[2]		Mascot
1623.8523	1623.7515	-0.1008	-62	2737	2751	EGPCLVHTITGDLLR	3	0			Mascot
1623.8523	1623.7515	-0.1008	-62	2737	2751	EGPCLVHTITGDLLR					Mascot
1637.7743	1637.6448	-0.1295	-79	1445	1458	LVCCVAVRNCLECR			Carbamidomethyl (C)[3]		Mascot
1724.894	1724.8828	-0.0112	-6	316	328	KWYMVSIYHIYNR			Oxidation (M)[4]		Mascot
1825.7819	1825.7393	-0.0426	-23	1712	1726	EAQAMMPMQFHSFDR					Mascot
1829.8759	1829.9308	0.0549	30	243	256	WPYQNGFTLNTWFR					Mascot
1841.7767	1841.7614	-0.0153	-8	1712	1726	EAQAMMPMQFHSFDR			Oxidation (M)[5]		Mascot

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PREDICTED: myosin heavy chain, fast skeletal muscle-like [Danio rerio]

gi|326678010

161130.5

6.2

16

34

0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.4886	856.5146	0.026	30	206	213	KQEPVAGK					Mascot
864.4495	864.4897	0.0402	47	862	868	MKEDLTK					Mascot
926.5053	926.5717	0.0664	72	972	979	HATENKVK					Mascot
960.4818	960.4583	-0.0235	-24	675	682	CLIPNESK			Carbamidomethyl (C)[1]		Mascot
960.493	960.4583	-0.0347	-36	698	706	CNGVLEGIR	15	0			Mascot
1341.6025	1341.761	0.1585	118	845	856	SAETEKEMAAMK			Oxidation (M)[8]		Mascot
1341.6025	1341.761	0.1585	118	845	856	SAETEKEMAAMK			Oxidation (M)[8]		Mascot
1385.6115	1385.6997	0.0882	64	1375	1385	VQHEMEEAQER					Mascot
1385.6115	1385.6997	0.0882	64	1375	1385	VQHEMEEAQER					Mascot
1558.7933	1558.8331	0.0398	26	191	205	VIQYFATVGAMSGAK			Oxidation (M)[11]		Mascot
1607.858	1607.7588	-0.0992	-62	130	143	WLPVYDAVVVAGYR					Mascot
1665.7637	1665.8595	0.0958	58	980	994	NLTEEMASQDESIK					Mascot

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
869.5315	869.5105	-0.021	-24	320	327	GASIRIPR				Mascot
869.5315	869.5105	-0.021	-24	320	327	GASIRIPR	26	24.512		Mascot
1444.7577	1444.7188	-0.0389	-27	1	14	MATSASSHLNKGIK				Mascot
2097.0256	2096.8096	-0.216	-103	26	43	VQAMYIWIDGTGEGLRC K			Carbamidomethyl (C)[17]	Mascot
38	truncated RAF1 [Danio rerio]			gi 41224402		32290.4	9.5	8	33	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
882.4791	882.5579	0.0788	89	215	222	IPSSSVHR				Mascot
892.4669	892.4758	0.0089	10	208	214	MRESLTR				Mascot
892.4669	892.4758	0.0089	10	208	214	MRESLTR				Mascot
902.4148	902.5221	0.1073	119	33	40	SPAPCQSR			Carbamidomethyl (C)[5]	Mascot
982.4435	982.4392	-0.0043	-4	41	49	SSDDSKTSR				Mascot
1045.452	1045.5522	0.1002	96	165	172	FHEHCSTK			Carbamidomethyl (C)[5]	Mascot
1118.5411	1118.6117	0.0706	63	1	9	MEQLQGAWR				Mascot
1841.8785	1841.7614	-0.1171	-64	83	99	GLQPECCAVFSLHPGQR				Mascot
2097.0481	2096.8096	-0.2385	-114	81	99	VRGLQPECCAVFSLHPG QR				Mascot
2211.0908	2211.0767	-0.0141	-6	81	99	VRGLQPECCAVFSLHPG QR			Carbamidomethyl (C)[8,9]	Mascot
39	Wu:fj64b09 protein [Danio rerio]			gi 32766289		81939.8	6.7	6	33	0 28 49.432

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
869.4297	869.5105	0.0808	93	54	60	NYKVCSR				Mascot
869.4297	869.5105	0.0808	93	54	60	NYKVCSR				Mascot
882.4501	882.5579	0.1078	122	312	318	LKDFTCR				Mascot
892.4556	892.4758	0.0202	23	565	572	VLGTEMAR			Oxidation (M)[6]	Mascot
892.4556	892.4758	0.0202	23	565	572	VLGTEMAR	28	49.432	Oxidation (M)[6]	Mascot
926.4512	926.5717	0.1205	130	54	60	NYKVCSR			Carbamidomethyl (C)[5]	Mascot
1045.6041	1045.5522	-0.0519	-50	377	385	ITTLYGHIK				Mascot
1131.5575	1131.5668	0.0093	8	38	46	CNRPDLQTK			Carbamidomethyl (C)[1]	Mascot

	1665.7723	1665.8595	0.0872	52	61	74	HFETSMICQSAVK				Carbamidomethyl (C)[8]	Mascot
40	PREDICTED: hypothetical protein LOC100536945 [Danio rerio]					gj 326665516	19714	5.96	4	33	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification	Rank Result Type
	856.4159	856.5146	0.0987	115	25	32 SHDSPSVK						Mascot
	960.5261	960.4583	-0.0678	-71	2	9 TWLTGNIR		13		0		Mascot
	960.5261	960.4583	-0.0678	-71	2	9 TWLTGNIR						Mascot
	1385.6842	1385.6997	0.0155	11	21	32 ELMRSHDSPSVK						Mascot
	1385.6842	1385.6997	0.0155	11	21	32 ELMRSHDSPSVK						Mascot
	1637.7887	1637.6448	-0.1439	-88	1	13 MTWLTGNIRENMR					Oxidation (M)[1]	Mascot
	1653.7836	1653.6389	-0.1447	-87	1	13 MTWLTGNIRENMR					Oxidation (M)[1,12]	Mascot
41	photoreceptor-specific nuclear receptor [Danio rerio]					gj 55925261	46425.1	7.1	9	33	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification	Rank Result Type
	864.4066	864.4897	0.0831	96	100	107 CLQAGMNK						Mascot
	869.4259	869.5105	0.0846	97	412	418 LLCDFMK						Mascot
	869.4259	869.5105	0.0846	97	412	418 LLCDFMK						Mascot
	926.4474	926.5717	0.1243	134	412	418 LLCDFMK					Carbamidomethyl (C)[3]	Mascot
	960.5546	960.4583	-0.0963	-100	32	40 VLNTGLLCK						Mascot
	960.5546	960.4583	-0.0963	-100	32	40 VLNTGLLCK						Mascot
	990.4924	990.4245	-0.0679	-69	403	411 TIGNTPMEK						Mascot
	1049.5231	1049.5206	-0.0025	-2	99	107 KCLQAGMNK					Carbamidomethyl (C)[2]	Mascot
	1131.5892	1131.5668	-0.0224	-20	124	133 LDALDVDDKDK						Mascot
	1403.6368	1403.6858	0.049	35	182	194 FMASLMTAETCAK						Mascot
	1558.6876	1558.8331	0.1455	93	1	14 MSMVPFSSPTESSR					Oxidation (M)[1]	Mascot
	1833.9453	1833.9143	-0.031	-17	302	318 GSPSASDVRLQEVFSR						Mascot
42	keratin 18 [Danio rerio]					gj 29335504	41247.4	5.07	9	32	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification	Rank Result Type
	864.4461	864.4897	0.0436	50	315	322 LLDGGDFK						Mascot
	882.4753	882.5579	0.0826	94	188	194 YEKMALK						Mascot

902.4941	902.5221	0.028	31	32	39	ILEQANSK	Mascot
996.4996	996.5897	0.0901	90	100	107	YESELSIR	Mascot
1045.4697	1045.5522	0.0825	79	52	60	GPDVHDYSR	Mascot
1073.5474	1073.4951	-0.0523	-49	323	331	LQDALEEQK	Mascot
1385.7998	1385.6997	-0.1001	-72	32	43	ILEQANSKLELK	Mascot
1385.7998	1385.6997	-0.1001	-72	32	43	ILEQANSKLELK	Mascot
1558.8323	1558.8331	0.0008	1	234	246	QIQTLEIELESQK	Mascot
1829.9868	1829.9308	-0.056	-31	82	97	LVLQIDNARLAADDFR	Mascot

Peptide Information

44	O-sialoglycoprotein endopeptidase-like 1 [Danio rerio]	gi 169145701	44028.3	8.83	8	32	0
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45 TPA_exp: glutamine synthetase [Danio rerio] ETGR gi|30141105 41549.8 5.57 2 32 0 26 24.512

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
869.5315	869.5105	-0.021	-24	320	327	GASIRIPR					Mascot
869.5315	869.5105	-0.021	-24	320	327	GASIRIPR	26		24.512		Mascot
902.5378	902.5221	-0.0157	-17	96	103	LVLCEVVK					Mascot

46 PREDICTED: BAH and coiled-coil domain-containing protein 1-like [Danio rerio] gi|326672508 287695.1 8.4 1 31 78.429

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
892.4634	892.4758	0.0124	14	866	872	DRVEFAR	31		78.429	2	Mascot

47 PREDICTED: hypothetical protein LOC402835 [Danio rerio] gi|326671330 402017.2 4.54 1 28 49.432

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
892.4556	892.4758	0.0202	23	565	572	VLGTEMAR	28	49.432	Oxidation (M)[6]	3	Mascot

48 nuclear respiratory factor 1 [Danio rerio] gi|18859135 53552 5.02 1 26 23.814

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.5261	960.4583	-0.0678	-71	257	264	VSWTQALR	26		23.814	2	Mascot

49 novel protein similar to vertebrate scavenger receptor protein [Danio rerio] gi|56208005 121130 4.56 1 24 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.493	960.4583	-0.0347	-36	725	733	DAGVICGLR	24	0	Carbamidomethyl (C)[6]	3	Mascot

50 PREDICTED: death-associated protein kinase 2 [Danio rerio] gi|326676536 41405.2 6.4 1 23 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
960.4744	960.4583	-0.0161	-17	329	336 GTEQQELR	23	0		4	Mascot

Gel Idx/Pos	189/H16	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	novel protein (zgc:85809) [Danio rerio]	gi 148725394	69172	6.25	12	448	100	402	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
870.4389	870.5333	0.0944	108	519	525 KMGEVYK			Oxidation (M)[2]		Mascot
908.5352	908.5312	-0.004	-4	566	572 FTRPLFK					Mascot
1102.6289	1102.6257	-0.0032	-3	165	174 ELVALMSALR					Mascot
1118.6238	1118.6157	-0.0081	-7	165	174 ELVALMSALR			Oxidation (M)[6]		Mascot
1320.6696	1320.6624	-0.0072	-5	154	164 HTYYAQVSVPR	89	100			Mascot
1320.6696	1320.6624	-0.0072	-5	154	164 HTYYAQVSVPR					Mascot
1354.7365	1354.7288	-0.0077	-6	545	556 AQWEEAVPLALK					Mascot
1541.7859	1541.7784	-0.0075	-5	20	31 HLNLIYHVD FDR					Mascot
1541.7859	1541.7784	-0.0075	-5	20	31 HLNLIYHVD FDR	84	100			Mascot
1558.8475	1558.8386	-0.0089	-6	83	96 GSPLEITLPFELSR	98	100			Mascot
1558.8475	1558.8386	-0.0089	-6	83	96 GSPLEITLPFELSR					Mascot
1834.0109	1833.9923	-0.0186	-10	81	96 FKGSPL EITLPFELSR					Mascot
2194.1853	2194.1262	-0.0591	-27	38	57 VALTVEVLEDKFSSLTLD SK					Mascot
2217.0513	2217.0422	-0.0091	-4	310	326 TWEHFWLN EGH TVYIER					Mascot
2362.2261	2362.209	-0.0171	-7	288	309 SLAGVIAHEISHWTG NLVTNR	130	100			Mascot
2362.2261	2362.209	-0.0171	-7	288	309 SLAGVIAHEISHWTG NLVTNR					Mascot
2811.4563	2811.4519	-0.0044	-2	97	121 GQHVIVEIEYETSPTAT ALQWLTPK					Mascot

2	leukotriene A-4 hydrolase [Danio rerio]	gi 47086915	69145	6.17	11	443	100	402	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
870.4389	870.5333	0.0944	108	519	525 KMGEVYK			Oxidation (M)[2]		Mascot

	1102.6289	1102.6257	-0.0032	-3	165	174	ELVALMSALR											Mascot
	1118.6238	1118.6157	-0.0081	-7	165	174	ELVALMSALR						Oxidation (M)[6]					Mascot
	1320.6696	1320.6624	-0.0072	-5	154	164	HTYYAQVSVPR	89	100									Mascot
	1320.6696	1320.6624	-0.0072	-5	154	164	HTYYAQVSVPR											Mascot
	1354.7365	1354.7288	-0.0077	-6	545	556	AQWEEAVPLALK											Mascot
	1541.7859	1541.7784	-0.0075	-5	20	31	HLNLIYHVD FDR											Mascot
	1541.7859	1541.7784	-0.0075	-5	20	31	HLNLIYHVD FDR	84	100									Mascot
	1558.8475	1558.8386	-0.0089	-6	83	96	GSPLEITLPFELSR	98	100									Mascot
	1558.8475	1558.8386	-0.0089	-6	83	96	GSPLEITLPFELSR											Mascot
	1834.0109	1833.9923	-0.0186	-10	81	96	FKGSPLEITLPFELSR											Mascot
	2194.1853	2194.1262	-0.0591	-27	38	57	VALTVEVLEDKFSSLTLD SK											Mascot
	2217.0513	2217.0422	-0.0091	-4	310	326	TWEHFVLNEGHTVYIER											Mascot
	2362.2261	2362.209	-0.0171	-7	288	309	SLAGVIAHEISHSWTGNL VTNR	130	100									Mascot
	2362.2261	2362.209	-0.0171	-7	288	309	SLAGVIAHEISHSWTGNL VTNR											Mascot
	2811.4563	2811.4519	-0.0044	-2	97	121	GQHVIVEIEYETSPTATAL QWLTPK											Mascot
3	novel protein (zgc:85809) [Danio rerio]				gi 55962574		22856.7	8.76	7	312	100	272	100					

Peptide Information																		
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type					
1102.6289	1102.6257	-0.0032	-3	165	174	ELVALMSALR							Mascot					
1118.6238	1118.6157	-0.0081	-7	165	174	ELVALMSALR				Oxidation (M)[6]			Mascot					
1320.6696	1320.6624	-0.0072	-5	154	164	HTYYAQVSVPR	89	100					Mascot					
1320.6696	1320.6624	-0.0072	-5	154	164	HTYYAQVSVPR							Mascot					
1541.7859	1541.7784	-0.0075	-5	20	31	HLNLIYHVD FDR							Mascot					
1541.7859	1541.7784	-0.0075	-5	20	31	HLNLIYHVD FDR	84	100					Mascot					
1558.8475	1558.8386	-0.0089	-6	83	96	GSPLEITLPFELSR	98	100					Mascot					
1558.8475	1558.8386	-0.0089	-6	83	96	GSPLEITLPFELSR							Mascot					
1834.0109	1833.9923	-0.0186	-10	81	96	FKGSPLEITLPFELSR							Mascot					
2194.1853	2194.1262	-0.0591	-27	38	57	VALTVEVLEDKFSSLTLD SK							Mascot					
2811.4563	2811.4519	-0.0044	-2	97	121	GQHVIVEIEYETSPTATAL QWLTPK							Mascot					

4	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase [Danio rerio]				gj 122891203	64016.9	6.2	19	286	100	173	100					
Peptide Information																	
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence		Ion Score	C. I.	%	Modification					Rank	Result Type

	869.5203	869.5234	0.0031	4	199	206	GVSQPLR					Mascot
	892.4886	892.4858	-0.0028	-3	14	21	TGLVEFAR					Mascot
	926.5822	926.5747	-0.0075	-8	379	386	VLFGLHLK					Mascot
	960.4686	960.4664	-0.0022	-2	460	466	ADNWWLR					Mascot
	960.4686	960.4664	-0.0022	-2	460	466	ADNWWLR	43	98.536			Mascot
	1075.6146	1075.6244	0.0098	9	255	265	ALGLPAATSFK					Mascot
	1320.5889	1320.6624	0.0735	56	425	435	YTQSNSVCYAK				Carbamidomethyl (C)[8]	Mascot
	1320.5889	1320.6624	0.0735	56	425	435	YTQSNSVCYAK				Carbamidomethyl (C)[8]	Mascot
	1341.7749	1341.7687	-0.0062	-5	66	78	TLHPAVHGGILAR					Mascot
	1385.7131	1385.7086	-0.0045	-3	436	449	DGQVIGIGAGQQSR					Mascot
	1607.7733	1607.7671	-0.0062	-4	49	63	DVSEITGFPEMLGGR					Mascot
	1623.7683	1623.7631	-0.0052	-3	49	63	DVSEITGFPEMLGGR				Oxidation (M)[11]	Mascot
	1637.6636	1637.6639	0.0003	0	366	378	MDPEYEPDEEEVR					Mascot
	1653.6584	1653.6521	-0.0063	-4	366	378	MDPEYEPDEEEVR				Oxidation (M)[1]	Mascot
	1665.8152	1665.8523	0.0371	22	141	155	VTVVCDPSDYNVVAK				Carbamidomethyl (C)[5]	Mascot
	1710.8955	1710.8851	-0.0104	-6	572	586	ACNELGITLVHTNIR				Carbamidomethyl (C)[2]	Mascot
	1819.8708	1819.86	-0.0108	-6	335	351	EVSDGIVAPGYEEDALR					Mascot
	1829.9531	1829.9438	-0.0093	-5	508	523	GLFEEVPEPLSEVEKK					Mascot
	1833.9341	1833.9923	0.0582	32	266	284	HVSPAGAAVGVP LSEDE AK					Mascot
	2034.9192	2034.9102	-0.009	-4	177	193	AFTHTAQYDEAISDYFR					Mascot
	2034.9192	2034.9102	-0.009	-4	177	193	AFTHTAQYDEAISDYFR	132	100			Mascot
	2225.0764	2225.1055	0.0291	13	285	304	VCMVNDMLQDLT PLATA YAR					Mascot
	2225.0764	2225.1055	0.0291	13	285	304	VCMVNDMLQDLT PLATA YAR					Mascot
	2237.1846	2237.0667	-0.1179	-53	1	21	MASEIALSVSDKTGLVE FAR					Mascot
	2298.0928	2298.1726	0.0798	35	285	304	VCMVNDMLQDLT PLATA YAR				Carbamidomethyl (C)[2], Oxidation (M)[3]	Mascot
	2314.0876	2314.1418	0.0542	23	285	304	VCMVNDMLQDLT PLATA YAR				Carbamidomethyl (C)[2], Oxidation (M)[3,7]	Mascot
	2555.3562	2555.3406	-0.0156	-6	108	132	TVSSPGVTVEDAVEQIDI GGVTLLR					Mascot
5	bifunctional purine biosynthesis protein PURH [Danio rerio]				gi 195539484	64003.9	6.31	19	285	100	173	100

Peptide Information

869.5203	869.5234	0.0031	4	199	206	GVSQPLPR	Mascot
892.4886	892.4858	-0.0028	-3	14	21	TGLVEFAR	Mascot

926.5822	926.5747	-0.0075	-8	379	386	VLFGLHLK							Mascot
960.4686	960.4664	-0.0022	-2	460	466	ADNWWLR							Mascot
960.4686	960.4664	-0.0022	-2	460	466	ADNWWLR	43	98.536					Mascot
1075.6146	1075.6244	0.0098	9	255	265	ALGLPAATSFK							Mascot
1320.5889	1320.6624	0.0735	56	425	435	YTQSNSVCYAK					Carbamidomethyl (C)[8]		Mascot
1320.5889	1320.6624	0.0735	56	425	435	YTQSNSVCYAK					Carbamidomethyl (C)[8]		Mascot
1341.7749	1341.7687	-0.0062	-5	66	78	TLHPAVHGGILAR							Mascot
1385.7131	1385.7086	-0.0045	-3	436	449	DGQVIGIGAGQQSR							Mascot
1607.7733	1607.7671	-0.0062	-4	49	63	DVSEITGFPEMLGGR							Mascot
1623.7683	1623.7631	-0.0052	-3	49	63	DVSEITGFPEMLGGR					Oxidation (M)[11]		Mascot
1637.6636	1637.6639	0.0003	0	366	378	MDPEYEPDEEEVR							Mascot
1653.6584	1653.6521	-0.0063	-4	366	378	MDPEYEPDEEEVR					Oxidation (M)[1]		Mascot
1665.8152	1665.8523	0.0371	22	141	155	VTVVCDPSPDYNVVAK					Carbamidomethyl (C)[5]		Mascot
1710.8955	1710.8851	-0.0104	-6	572	586	ACNELGITLVHTNIR					Carbamidomethyl (C)[2]		Mascot
1819.8708	1819.86	-0.0108	-6	335	351	EVSDGIVAPGYEEDALR							Mascot
1829.9531	1829.9438	-0.0093	-5	508	523	GLFEEVPEPLSEVEKK							Mascot
1833.9341	1833.9923	0.0582	32	266	284	HVSPAGAAVGVPLSEDE AK							Mascot
2034.9192	2034.9102	-0.009	-4	177	193	AFTHTAQYDEAISDYFR							Mascot
2034.9192	2034.9102	-0.009	-4	177	193	AFTHTAQYDEAISDYFR	132	100					Mascot
2225.0764	2225.1055	0.0291	13	285	304	VCMVNDMLQDLTPLATA YAR							Mascot
2225.0764	2225.1055	0.0291	13	285	304	VCMVNDMLQDLTPLATA YAR							Mascot
2237.1846	2237.0667	-0.1179	-53	1	21	MASEIALLSVSDKTGLVE FAR							Mascot
2298.0928	2298.1726	0.0798	35	285	304	VCMVNDMLQDLTPLATA YAR					Carbamidomethyl (C)[2], Oxidation (M)[3]		Mascot
2314.0876	2314.1418	0.0542	23	285	304	VCMVNDMLQDLTPLATA YAR					Carbamidomethyl (C)[2], Oxidation (M)[3,7]		Mascot
2555.3562	2555.3406	-0.0156	-6	108	132	TVSSPGVTVEDAVEQIDI GGVTLLR							Mascot

6 PREDICTED: 39S ribosomal protein L2, mitochondrial isoform 2 [Danio rerio] gi|326673218 31482.8 11.12 7 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.5294	960.4664	-0.063	-66	194	203	AAGTCGVLLR					Mascot
960.5294	960.4664	-0.063	-66	194	203	AAGTCGVLLR	10	0			Mascot
1128.6272	1128.6136	-0.0136	-12	250	259	WLGIRPSSGR					Mascot
1341.8101	1341.7687	-0.0414	-31	204	216	KVSGTAIIQLPSK					Mascot

1653.874	1653.6521	-0.2219	-134	217	231	HQIQVLETCVATVGR						Mascot
1710.8955	1710.8851	-0.0104	-6	217	231	HQIQVLETCVATVGR				Carbamidomethyl (C)[9]		Mascot
2034.9735	2034.9102	-0.0633	-31	135	152	WIIASQNMEAGDLIQSCR						Mascot
2034.9735	2034.9102	-0.0633	-31	135	152	WIIASQNMEAGDLIQSCR						Mascot
2115.1743	2115.0486	-0.1257	-59	271	289	IRPLPAMKSYINLPTASAR				Oxidation (M)[7]		Mascot
2362.1753	2362.209	0.0337	14	12	35	ALCLSGSRTWAGPSAAA SALVGCR				Carbamidomethyl (C)[3]		Mascot
2362.1753	2362.209	0.0337	14	12	35	ALCLSGSRTWAGPSAAA SALVGCR				Carbamidomethyl (C)[3]		Mascot

7 PREDICTED: beta-1,3-galactosyl-O-glycosyl-glycoprotein
beta-1,6-N-acetylglucosaminyltransferase-lik
gi|292628442 49526.7 7.14 11 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.4675	856.5259	0.0584	68	414	420	YKAVYGR					Mascot
869.4008	869.5234	0.1226	141	407	413	CMEAFRLR					Mascot
960.5374	960.4664	-0.071	-74	388	395	QHHLLANK					Mascot
960.5374	960.4664	-0.071	-74	388	395	QHHLLANK					Mascot
1118.6165	1118.6157	-0.0008	-1	221	230	TNAETVRSLK					Mascot
1541.7668	1541.7784	0.0116	8	208	220	YLLNTCGTDFPIK			Carbamidomethyl (C)[6]		Mascot
1541.7668	1541.7784	0.0116	8	208	220	YLLNTCGTDFPIK			Carbamidomethyl (C)[6]		Mascot
1637.8315	1637.6639	-0.1676	-102	336	349	YEQSDMNIAIARLVK					Mascot
1653.8264	1653.6521	-0.1743	-105	336	349	YEQSDMNIAIARLVK			Oxidation (M)[6]		Mascot
1665.8608	1665.8523	-0.0085	-5	250	262	WQFHHNITNTVIR					Mascot
2230.1108	2230.1941	0.0833	37	189	207	VQADVNCMQDLLKSPVQ WR					Mascot
2233.1621	2233.0708	-0.0913	-41	135	153	LLRAIYAPQNVYCVHVDM K					Mascot
2238.1375	2238.0618	-0.0757	-34	202	220	SPVQWRYLLNTCGTDFPI K					Mascot
2299.1538	2299.1731	0.0193	8	267	287	KSPPPINTSMFSGNAYFV VSR					Mascot

8 PREDICTED: zinc finger protein 420 isoform 2 [Danio rerio]
gi|326678086 70371 9.08 15 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.5072	-0.0134	-16	25	31	QRQGILLK					Mascot
864.4798	864.5098	0.03	35	591	597	HRSVHTK					Mascot
1045.536	1045.5601	0.0241	23	134	141	FHCARNLK			Carbamidomethyl (C)[3]		Mascot

1118.4645	1118.6157	0.1512	135	348	356	GFVCFECEK	Carbamidomethyl (C)[4]	Mascot
1623.806	1623.7631	-0.0429	-26	105	117	SFSQKYNLNVHMR		Mascot
1665.8087	1665.8523	0.0436	26	174	188	VHTKEKPYSCSVCGK		Mascot
1819.9358	1819.86	-0.0758	-42	44	58	IKQEETEELIDVMVK	Oxidation (M)[13]	Mascot
2034.8579	2034.9102	0.0523	26	118	133	IHTGEQPYKCSHCDMR	Carbamidomethyl (C)[10,13], Oxidation (M)[15]	Mascot
2034.8579	2034.9102	0.0523	26	118	133	IHTGEQPYKCSHCDMR	Carbamidomethyl (C)[10,13], Oxidation (M)[15]	Mascot
2211.0798	2211.0938	0.014	6	450	468	IHLRVHTNEKPYSCPECGK		Mascot
2221.0139	2221.0764	0.0625	28	239	257	CSHCDLRFSGHGLTVHER		Mascot
2223.9646	2224.0549	0.0903	41	318	337	EKPYSCEGSSFTQQSSLR		Mascot
2230.0605	2230.1941	0.1336	60	276	294	CSSHLNEHMIHTGEKTHR		Mascot
2255.0696	2255.0515	-0.0181	-8	273	291	SFKCSSHLNEHMIHTGEK	Carbamidomethyl (C)[4]	Mascot
2283.0579	2283.166	0.1081	47	227	245	HQMIHTGEKPYKCSHCDLR		Mascot
2283.0579	2283.166	0.1081	47	227	245	HQMIHTGEKPYKCSHCDLR		Mascot
2298.0906	2298.1726	0.082	36	478	496	LHQHVHTGVREFVCFECEK		Mascot
2299.053	2299.1731	0.1201	52	227	245	HQMIHTGEKPYKCSHCDLR	Oxidation (M)[3]	Mascot

9 Zgc:110114 protein [Danio rerio] gi|63101268 70288.7 6.5 11 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
869.4661	869.5234	0.0573	66	76	82	LSKHCPK			Carbamidomethyl (C)[5]		Mascot
892.4457	892.4858	0.0401	45	191	197	HIPNMHK			Oxidation (M)[5]		Mascot
1541.7289	1541.7784	0.0495	32	483	497	EVSSSTSSSSETVVR					Mascot
1541.7289	1541.7784	0.0495	32	483	497	EVSSSTSSSSETVVR					Mascot
1607.7516	1607.7671	0.0155	10	500	513	GQSIECLPQTTMAR			Carbamidomethyl (C)[6], Oxidation (M)[12]		Mascot
1665.7939	1665.8523	0.0584	35	360	376	ASGSSAGSTSRPNPFSR					Mascot
1829.9102	1829.9438	0.0336	18	198	213	EQFACTASEAQLKYIK					Mascot
2224.2163	2224.0549	-0.1614	-73	259	277	QLLYDFPWTNVGKLVFVGK					Mascot
2229.9966	2230.1941	0.1975	89	408	429	THSSSNTSHASTHTSGIESSSK					Mascot
2283.1008	2283.166	0.0652	29	191	210	HIPNMHKEQFACTASEAQLK					Mascot
2283.1008	2283.166	0.0652	29	191	210	HIPNMHKEQFACTASEAQLK					Mascot
2299.0957	2299.1731	0.0774	34	191	210	HIPNMHKEQFACTASEAQLK			Oxidation (M)[5]		Mascot
2362.2256	2362.209	-0.0166	-7	16	35	RCVCFVLPNDETLNVIVSVK			Carbamidomethyl (C)[2,4]		Mascot

	2362.2256	2362.209	-0.0166	-7	16	35	RCVCFVFLPNDETINVIVS VK					Carbamidomethyl (C)[2,4]	Mascot
	2555.1467	2555.3406	0.1939	76	337	357	QYRESYIGDALEADMHDH LEQR					Oxidation (M)[15]	Mascot
10	SH3 domain-binding protein 4-A [Danio rerio]				gi 45387913		104947.5	7.73	13	38	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5822	842.5072	-0.075	-89	634	640	LIKTVIR					Mascot
850.4338	850.5395	0.1057	124	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
850.4338	850.5395	0.1057	124	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.5333	0.0607	70	1	7	MAHRIR			Oxidation (M)[1]		Mascot
1045.4796	1045.5601	0.0805	77	762	770	AELDSEPER					Mascot
1075.651	1075.6244	-0.0266	-25	446	455	KVTGLGYGPK					Mascot
1623.7723	1623.7631	-0.0092	-6	66	79	DYCPSSFITLKFSK					Mascot
1946.9316	1946.9719	0.0403	21	101	116	EMGYIPSTYVQPINYR			Oxidation (M)[2]		Mascot
2230.2417	2230.1941	-0.0476	-21	813	831	LIMDFVLLTTAVEVAPRW R					Mascot
2284.2368	2284.1619	-0.0749	-33	463	484	TVVAIFGHDCAPKTLVS EVGK					Mascot
2300.0686	2300.1689	0.1003	44	568	587	DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5]		Mascot
2811.3804	2811.4519	0.0715	25	564	587	VQVKDDQDCILAQFCVQ TPQPPPK			Carbamidomethyl (C)[9,15]		Mascot
3337.6052	3337.7546	0.1494	45	269	298	LARSCHDLESLGQNPWG GQTQPVETNIVCK			Carbamidomethyl (C)[5]		Mascot
3338.5496	3338.7439	0.1943	58	856	884	TGMVDSEAMWKPAYDFL LTWAAQIGDSYR			Oxidation (M)[3]		Mascot

11	StAR-related lipid transfer domain containing 8 [Danio rerio]				gi 187608279		120586.8	8.23	14	36	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.557	842.5072	-0.0498	-59	24	30	ALTLLRR					Mascot
864.4461	864.5098	0.0637	74	616	622	VPDYKDK					Mascot
892.3981	892.4858	0.0877	98	44	50	DACEWLR					Mascot
937.5213	937.4719	-0.0494	-53	800	808	KGGAKPDHK					Mascot
996.5043	996.5922	0.0879	88	906	914	KVGDGHPMR					Mascot
996.5043	996.5922	0.0879	88	906	914	KVGDGHPMR					Mascot
1279.6827	1279.7686	0.0859	67	653	663	SQCLEKVGIFR					Mascot
1341.6481	1341.7687	0.1206	90	299	309	DPSWRAHTICR					Mascot
1385.6444	1385.7086	0.0642	46	404	416	SGSQDFLSGFGQR					Mascot

	1541.7455	1541.7784	0.0329	21	404	417	SGSQDFLSGFGQRR												Mascot
	1541.7455	1541.7784	0.0329	21	404	417	SGSQDFLSGFGQRR												Mascot
	1665.7198	1665.8523	0.1325	80	220	235	DENDDTGSSSSLPSVR												Mascot
	1830.0596	1829.9438	-0.1158	-63	572	587	QSA AQLNLLQKFSLLR												Mascot
	2194.0818	2194.1262	0.0444	20	92	110	LTTLNKCAAMSLEVFHQC K						Carbamidomethyl (C)[7]						Mascot
	2297.1553	2297.1833	0.028	12	988	1009	GVCVLVSSSDHDNVQL EAGLR												Mascot
	2362.0659	2362.209	0.1431	61	809	829	DLSENMAATHCLSHMITE CKK												Mascot
	2362.0659	2362.209	0.1431	61	809	829	DLSENMAATHCLSHMITE CKK												Mascot
12	PREDICTED: GAS2-like protein 2-like [Danio rerio]				gi 326668195	100432.5	9.58	13	36	0	3	0							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.3981	856.5259	0.1278	149	657	663	IPSDHCK			Carbamidomethyl (C)[6]		Mascot
937.5577	937.4719	-0.0858	-92	871	878	SHVPITRK					Mascot
996.5883	996.5922	0.0039	4	808	815	LRPCVRPR					Mascot
996.5883	996.5922	0.0039	4	808	815	LRPCVRPR					Mascot
1045.5636	1045.5601	-0.0035	-3	668	677	SASLDRA TP K					Mascot
1623.8489	1623.7631	-0.0858	-53	430	443	NLGQTWT K SQFVSK					Mascot
1653.7399	1653.6521	-0.0878	-53	324	337	SSCSPDPEHQPTRR			Carbamidomethyl (C)[3]		Mascot
2115.1477	2115.0486	-0.0991	-47	183	200	SLINIQLNDEM VQLLISR			Oxidation (M)[11]		Mascot
2194.0266	2194.1262	0.0996	45	349	367	ERPGTPQMFTCPDSKDS LK			Carbamidomethyl (C)[11]		Mascot
2255.0298	2255.0515	0.0217	10	239	257	VGGGWD TLEHYLDKHDP CR			Carbamidomethyl (C)[18]		Mascot
2283.1248	2283.166	0.0412	18	112	130	KEMSI PDVLMFETDDLVL R			Oxidation (M)[3,10]		Mascot
2283.1248	2283.166	0.0412	18	113	131	EMSI PDVLMFETDDLVL K			Oxidation (M)[2,9]		Mascot
2362.303	2362.209	-0.094	-40	502	522	TFSPFKGLIGAILEAQFN R	3	0			Mascot
2362.303	2362.209	-0.094	-40	502	522	TFSPFKGLIGAILEAQFN R					Mascot
3338.6616	3338.7439	0.0823	25	183	211	SLINIQLNDEM VQLLISRC SCPSQFPMVK			Oxidation (M)[11,27]		Mascot

13 PREDICTED: hypothetical protein LOC100536945 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.4159	856.5259	0.11	128	25	32	SHDSPSVK					Mascot

	960.5261	960.4664	-0.0597	-62	2	9	TWLTGNIR					Mascot
	960.5261	960.4664	-0.0597	-62	2	9	TWLTGNIR	16	0			Mascot
	1385.6842	1385.7086	0.0244	18	21	32	ELMRSHDSPSVK					Mascot
	1637.7887	1637.6639	-0.1248	-76	1	13	MTWLTGNIRENMR			Oxidation (M)[1]		Mascot
	1653.7836	1653.6521	-0.1315	-80	1	13	MTWLTGNIRENMR			Oxidation (M)[1,12]		Mascot

14 PREDICTED: rapamycin-insensitive companion of mTOR, partial [Danio rerio] gi|326667603 180801.9 7.89 17 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.4832	870.5333	0.0501	58	493	499	WPNVNLK					Mascot
1051.5782	1051.708	0.1298	123	758	766	GYVSKQLEK					Mascot
1075.4836	1075.6244	0.1408	131	1512	1521	AISEDPACR			Carbamidomethyl (C)[9]		Mascot
1354.5978	1354.7288	0.131	97	459	469	DTEALMMNLR			Oxidation (M)[7,8]		Mascot
1541.7312	1541.7784	0.0472	31	1049	1060	TPDELRLMHCNR			Carbamidomethyl (C)[10]		Mascot
1541.7312	1541.7784	0.0472	31	1049	1060	TPDELRLMHCNR			Carbamidomethyl (C)[10]		Mascot
1558.7249	1558.8386	0.1137	73	615	628	CGVFQCLLNLC SMK					Mascot
1558.7249	1558.8386	0.1137	73	615	628	CGVFQCLLNLC SMK					Mascot
1607.6794	1607.7671	0.0877	55	1378	1391	FNFGESDGFLESCR					Mascot
1637.7878	1637.6639	-0.1239	-76	199	212	HNPETA E A Q I K E D R					Mascot
1653.8629	1653.6521	-0.2108	-127	656	670	ILTAATDNCRLYATK					Mascot
1710.8843	1710.8851	0.0008	0	656	670	ILTAATDNCRLYATK			Carbamidomethyl (C)[9]		Mascot
2211.1987	2211.0938	-0.1049	-47	121	140	ACIAIICELALKNPEVVAQ R			Carbamidomethyl (C)[2]		Mascot
2224.0583	2224.0549	-0.0034	-2	1164	1184	EPAMDTDCASLNTVVSA RTVK			Oxidation (M)[4]		Mascot
2230.1318	2230.1941	0.0623	28	239	259	SGNSGVQSLIGLLCIPNM DVR			Carbamidomethyl (C)[14]		Mascot
2247.0461	2247.0908	0.0447	20	611	628	MLEKCGVFQCLLNLC SM K			Carbamidomethyl (C)[5,10,15], Oxidation (M)[1]		Mascot
2298.2312	2298.1726	-0.0586	-25	1254	1274	LQQQRIHPSLSHSEALAS PAK					Mascot
2362.1418	2362.209	0.0672	28	1223	1243	SPSVATIKSLVDCSYMYT SPR			Carbamidomethyl (C)[13]		Mascot
2362.1418	2362.209	0.0672	28	1223	1243	SPSVATIKSLVDCSYMYT SPR			Carbamidomethyl (C)[13]		Mascot
2555.3464	2555.3406	-0.0058	-2	1301	1323	ALSFASLDKEDLLSPINHS TLQR					Mascot
3337.5789	3337.7546	0.1757	53	1329	1358	SMVSSATFGCSEDIYGLA LPLDINNMFQIK			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot

15 cysteinyl-tRNA synthetase, cytoplasmic [Danio rerio] gi|169646833 93752.3 6.07 12 35 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	882.5155	882.5638	0.0483	55	612	619 SAKLPPNR					Mascot
	1075.6146	1075.6244	0.0098	9	116	124 TKEVFVPQK					Mascot
	1128.6259	1128.6136	-0.0123	-11	260	269 QAQVLLEEAK					Mascot
	1558.7278	1558.8386	0.1108	71	577	590 TSVHGALCDNIDTR			Carbamidomethyl (C)[8]		Mascot
	1558.8622	1558.8386	-0.0236	-15	684	696 KVTELLQLCDQLR					Mascot
	1637.817	1637.6639	-0.1531	-93	92	106 VQPPWSPPEGTDISK					Mascot
	1665.9098	1665.8523	-0.0575	-35	319	332 VSEYVPEIVEFVKK					Mascot
	2225.0505	2225.1055	0.055	25	165	182 YDVFYCMNITDIDDKIIK			Oxidation (M)[7]		Mascot
	2225.0505	2225.1055	0.055	25	165	182 YDVFYCMNITDIDDKIIK			Oxidation (M)[7]		Mascot
	2230.0591	2230.1941	0.135	61	591	610 SALEEMRALVGQSNTYM AAR			Oxidation (M)[6,17]		Mascot
	2299.1499	2299.1731	0.0232	10	70	90 HIAFLKPQANDQSPECST KGK					Mascot
	2362.2874	2362.209	-0.0784	-33	615	634 LPPNRMMLLSIALYLTDM LK			Oxidation (M)[6,18]		Mascot
	2362.2874	2362.209	-0.0784	-33	615	634 LPPNRMMLLSIALYLTDM LK			Oxidation (M)[6,18]		Mascot
	2555.3496	2555.3406	-0.009	-4	228	251 QMLERLDSAVDAALGPL QVAVQSK			Oxidation (M)[2]		Mascot
16	ZAR1-like protein [Danio rerio]				gi 313661374		36462.9	9.07	7	35	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	960.4533	960.4664	0.0131	14	105	112 GDKWDSRP					Mascot
	960.4533	960.4664	0.0131	14	105	112 GDKWDSRP	12	0			Mascot
	1637.7556	1637.6639	-0.0917	-56	259	271 VESIQCQVCKAR			Carbamidomethyl (C)[6,9,10]		Mascot
	1653.8748	1653.6521	-0.2227	-135	134	147 FSRPVAIYSPVFDR					Mascot
	1665.8192	1665.8523	0.0331	20	299	312 GLSCDTIYSFKYIV			Carbamidomethyl (C)[4]		Mascot
	2237.0549	2237.0667	0.0118	5	35	53 KGNNFYIAPDAPDYFDVY K					Mascot
	2246.8401	2247.0908	0.2507	112	170	188 TDSETEDEDDDEFCKPD EK					Mascot
	2299.0449	2299.1731	0.1282	56	250	269 CQAGLNIPYRVESIQCQV CCK			Carbamidomethyl (C)[1]		Mascot

17 PREDICTED: MAX gene-associated protein-like [Danio rerio] gi|326677444 30618 6.1 8 35 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	856.5614	856.5259	-0.0355	-41	236	242 LIQNKLK					Mascot

	960.4203	960.4664	0.0461	48	150	157	LTHDSCER										Mascot
	960.4203	960.4664	0.0461	48	150	157	LTHDSCER										Mascot
	1075.4634	1075.6244	0.161	150	73	80	MFPCCRFR					Oxidation (M)[1]					Mascot
	1279.7482	1279.7686	0.0204	16	243	254	LALTPARTHTAK										Mascot
	1320.6405	1320.6624	0.0219	17	189	199	SPNVHMFTHPK					Oxidation (M)[6]					Mascot
	1320.698	1320.6624	-0.0356	-27	172	183	LYVAPVSACLER										Mascot
	2114.9634	2115.0486	0.0852	40	218	235	IDCNPFMALFREDETSAR										Mascot
	2194.0491	2194.1262	0.0771	35	150	167	LTHDSCEREGVLLQPMH R					Carbamidomethyl (C)[6], Oxidation (M)[16]					Mascot

18 PREDICTED: hypothetical protein LOC798582 [Danio rerio] gi|125831442 154710.2 6.38 15 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4478	842.5072	0.0594	71	242	250	KSPPGGGSR					Mascot
870.5519	870.5333	-0.0186	-21	1252	1258	DVVRLLR					Mascot
892.4523	892.4858	0.0335	38	296	302	ESNKWTK					Mascot
960.5546	960.4664	-0.0882	-92	924	932	LITKACSPK					Mascot
960.5546	960.4664	-0.0882	-92	924	932	LITKACSPK	4		0		Mascot
1082.5299	1082.6895	0.1596	147	76	85	MQQGAIFSGK			Oxidation (M)[1]		Mascot
1320.5435	1320.6624	0.1189	90	1378	1386	KFCWFCCGR			Carbamidomethyl (C)[3,4,7]		Mascot
1320.5435	1320.6624	0.1189	90	1378	1386	KFCWFCCGR			Carbamidomethyl (C)[3,4,7]		Mascot
1653.8555	1653.6521	-0.2034	-123	858	871	HSDAIISQLEKER					Mascot
1833.9705	1833.9923	0.0218	12	279	294	TLEDTQQFLERAVGVK					Mascot
1946.9786	1946.9719	-0.0067	-3	870	886	ERMMSAPVQETVRPTK					Mascot
2194.0208	2194.1262	0.1054	48	1390	1407	NQEDWIGHGQRHLMEAT R			Oxidation (M)[14]		Mascot
2237.0222	2237.0667	0.0445	20	76	95	MQQGAIFSGKILSFCCSE CK			Carbamidomethyl (C)[15]		Mascot
2247.0498	2247.0908	0.041	18	490	509	SNGRSSPPPHMSFLYP SEK					Mascot
2255.0869	2255.0515	-0.0354	-16	349	368	ISIPPNCCTTQVMGFKMVD GK			Carbamidomethyl (C)[7], Oxidation (M)[12,16]		Mascot
2298.1472	2298.1726	0.0254	11	973	994	GEASVQTAQSGNRYFVN ASALK					Mascot
2362.2361	2362.209	-0.0271	-11	830	853	KPEGPAVANENTAPSLN NAAVLGK					Mascot
2362.2361	2362.209	-0.0271	-11	830	853	KPEGPAVANENTAPSLN NAAVLGK					Mascot

19 nucleoside diphosphate-linked moiety X motif 6 [Danio rerio] gi|148237304 36698.5 7.22 8 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4893	850.5395	0.0502	59	243	249	LQPLSHR					Mascot
850.4893	850.5395	0.0502	59	243	249	LQPLSHR					Mascot
1354.6975	1354.7288	0.0313	23	94	104	VSLHQWRSEGR					Mascot
1558.7794	1558.8386	0.0592	38	13	26	VSSGLCRVSSGFFR			Carbamidomethyl (C)[6]		Mascot
1558.7794	1558.8386	0.0592	38	13	26	VSSGLCRVSSGFFR			Carbamidomethyl (C)[6]		Mascot
2115.0295	2115.0486	0.0191	9	2	19	VLWIMSAGFCRVSSGLC R			Carbamidomethyl (C)[10,17], Oxidation (M)[5]		Mascot
2230.0752	2230.1941	0.1189	53	1	19	MVLWIMSAGFCRVSSGL CR			Carbamidomethyl (C)[11,18]		Mascot
2237.0146	2237.0667	0.0521	23	51	70	FCSGCEERLCPELLAGD VDR			Carbamidomethyl (C)[2]		Mascot
2247.0435	2247.0908	0.0473	21	224	242	QQHTHPGAFGMSDLYLI CR			Carbamidomethyl (C)[18], Oxidation (M)[11]		Mascot
2297.0735	2297.1833	0.1098	48	250	266	IHICTHECLRCDWDLR			Carbamidomethyl (C)[4,8,11]		Mascot

20 novel protein similar to vertebrate actin filament associated protein 1-like 1 (AFAP1L1, zgc:114084

gi|220679093 84272.2 8.16 11 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.5145	850.5395	0.025	29	383	389	IISFSKR					Mascot
850.5145	850.5395	0.025	29	383	389	IISFSKR					Mascot
892.4787	892.4858	0.0071	8	226	232	RFGQWAK					Mascot
960.4169	960.4664	0.0495	52	399	406	SSFHDHPR					Mascot
960.5658	960.4664	-0.0994	-103	36	43	MAVKNLLR			Oxidation (M)[1]		Mascot
996.4819	996.5922	0.1103	111	133	140	MPEYITSR					Mascot
996.4819	996.5922	0.1103	111	133	140	MPEYITSR					Mascot
1128.6483	1128.6136	-0.0347	-31	233	241	QLTVIRENR					Mascot
1833.9791	1833.9923	0.0132	7	450	466	GCEVVPGLGPKHPFALR			Carbamidomethyl (C)[2]		Mascot
2225.0979	2225.1055	0.0076	3	681	701	SLAGGEMEAPTESKPAH KTQR					Mascot
2225.0979	2225.1055	0.0076	3	681	701	SLAGGEMEAPTESKPAH KTQR					Mascot
2237.9512	2238.0618	0.1106	49	702	720	TEAQYMESFLPVNCASE MR			Oxidation (M)[6,18]		Mascot
2247.1975	2247.0908	-0.1067	-47	2	20	EINSKPMELLVTELNML K			Oxidation (M)[7,16]		Mascot
2362.2429	2362.209	-0.0339	-14	1	20	MEINSKPMELLVTELNML LK			Oxidation (M)[1]		Mascot
2362.2429	2362.209	-0.0339	-14	1	20	MEINSKPMELLVTELNML LK			Oxidation (M)[1]		Mascot

21 TBC1 domain family member 7 [Danio rerio]

gi|41152120 33966.3 6.35 8 34 0

Peptide Information									
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
	882.4832	882.5638	0.0806	91	279	285 AIDLWHK			Mascot
	1118.5337	1118.6157	0.082	73	2	10 ADDPQRNFR			Mascot
	1385.6995	1385.7086	0.0091	7	111	121 MFQLENHTLPR			Mascot
	1541.8005	1541.7784	-0.0221	-14	111	122 MFQLENHTLPRR			Mascot
	1541.8005	1541.7784	-0.0221	-14	111	122 MFQLENHTLPRR			Mascot
	1623.7729	1623.7631	-0.0098	-6	210	223 RCFAGCLPESSLQR		Carbamidomethyl (C)[2]	Mascot
	1829.9366	1829.9438	0.0072	4	42	56 LSTFSQRFPLPSMYR			Mascot
	2217.0427	2217.0422	-0.0005	0	79	96 QYRVDQFEDVSCALTVM R		Carbamidomethyl (C)[12]	Mascot
	2233.0376	2233.0708	0.0332	15	79	96 QYRVDQFEDVSCALTVM R		Carbamidomethyl (C)[12], Oxidation (M)[17]	Mascot
	2255.3196	2255.0515	-0.2681	-119	228	248 VISGSKILVFVAVEILLSH K			Mascot
22	novel protein similar to vertebrate actin filament associated protein 1-like 1 (AFAP1L1, zgc:114084)				gij220678265		84328.3	8.16	11 34 0
Peptide Information									
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
	850.5145	850.5395	0.025	29	383	389 IISFSKR			Mascot
	850.5145	850.5395	0.025	29	383	389 IISFSKR			Mascot
	892.4787	892.4858	0.0071	8	226	232 RFGQWAK			Mascot
	960.4169	960.4664	0.0495	52	399	406 SSFDHDPR			Mascot
	960.5658	960.4664	-0.0994	-103	36	43 MAVKNLLR		Oxidation (M)[1]	Mascot
	996.4819	996.5922	0.1103	111	133	140 MPEYITSR			Mascot
	996.4819	996.5922	0.1103	111	133	140 MPEYITSR			Mascot
	1128.6483	1128.6136	-0.0347	-31	233	241 QLTVIRENR			Mascot
	1833.9791	1833.9923	0.0132	7	450	466 GCEVVPGLGPKHPFALR		Carbamidomethyl (C)[2]	Mascot
	2225.0979	2225.1055	0.0076	3	681	701 SLAGGEMEAPTESKPAH KTQR			Mascot
	2225.0979	2225.1055	0.0076	3	681	701 SLAGGEMEAPTESKPAH KTQR			Mascot
	2238.1362	2238.0618	-0.0744	-33	250	269 DQSPYTDIPLSLCSVIYVP K			Mascot
	2247.1975	2247.0908	-0.1067	-47	2	20 EINSKPMELLVTELNMLL K		Oxidation (M)[7,16]	Mascot
	2362.2429	2362.209	-0.0339	-14	1	20 MEINSKPMELLVTELNML LK		Oxidation (M)[1]	Mascot
	2362.2429	2362.209	-0.0339	-14	1	20 MEINSKPMELLVTELNML LK		Oxidation (M)[1]	Mascot
23	PREDICTED: amine sulfotransferase [Danio rerio]				gij68372820		34418.6	8.81	7 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4355	882.5638	0.1283	145	171	176	EWYKEK					Mascot
900.4897	900.5101	0.0204	23	207	215	NLDAAAVAR					Mascot
1128.6047	1128.6136	0.0089	8	4	12	VNNYLSKYK					Mascot
2211.0288	2211.0938	0.065	29	70	86	YPNNLEQMPWLEYREGR			Oxidation (M)[8]		Mascot
2223.9863	2224.0549	0.0686	31	257	274	NTFTVSQSEMFDQIFEER			Oxidation (M)[10]		Mascot
2362.1958	2362.209	0.0132	6	47	67	SGTIWVQNIINLVCEDSLT EK					Mascot
2362.1958	2362.209	0.0132	6	47	67	SGTIWVQNIINLVCEDSLT EK					Mascot
3337.5588	3337.7546	0.1958	59	147	174	SFEDFLQQYLAGNVGGS SWFDHVKEWYK					Mascot

24 PREDICTED: rapamycin-insensitive companion of mTOR [Danio rerio] gi|189533864 193500.8 8.2 18 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.5189	864.5098	-0.0091	-11	1102	1109	FLISLSGK					Mascot
892.492	892.4858	-0.0062	-7	286	293	MSIVASLR			Oxidation (M)[1]		Mascot
1045.5887	1045.5601	-0.0286	-27	1652	1661	GNETGLLLTIK					Mascot
1051.5782	1051.708	0.1298	123	822	830	GYVSKQLEK					Mascot
1354.5978	1354.7288	0.131	97	523	533	DTEEALMMNLR			Oxidation (M)[7,8]		Mascot
1385.7134	1385.7086	-0.0048	-3	326	336	GLLEVMEYIFR			Oxidation (M)[6]		Mascot
1541.8145	1541.7784	-0.0361	-23	325	336	RGLLEVMEYIFR			Oxidation (M)[7]		Mascot
1541.8145	1541.7784	-0.0361	-23	325	336	RGLLEVMEYIFR			Oxidation (M)[7]		Mascot
1558.7344	1558.8386	0.1042	67	19	32	NDSGEENVPLDLTR					Mascot
1558.7344	1558.8386	0.1042	67	19	32	NDSGEENVPLDLTR					Mascot
1623.8635	1623.7631	-0.1004	-62	1621	1634	NIPEDAPACRVLLR			Carbamidomethyl (C)[9]		Mascot
1653.8629	1653.6521	-0.2108	-127	720	734	ILTAATDNCRLYATK					Mascot
1710.8843	1710.8851	0.0008	0	720	734	ILTAATDNCRLYATK			Carbamidomethyl (C)[9]		Mascot
1819.8629	1819.86	-0.0029	-2	765	781	AVSVEALDILDEACEDK					Mascot
2034.99	2034.9102	-0.0798	-39	763	781	SKAVSVEALDILDEACED K					Mascot
2035.0826	2034.9102	-0.1724	-85	286	303	MSIVASLRWSGGIINLCK			Carbamidomethyl (C)[17]		Mascot
2217.1365	2217.0422	-0.0943	-43	304	324	SGNSGIQSLIGLLCIPNME VR			Oxidation (M)[18]		Mascot
2224.2019	2224.0549	-0.147	-66	223	241	INEALMTTILHLLNHPHTR					Mascot
2237.9866	2238.0618	0.0752	34	1046	1064	HNSESDSIQPTMYILDDE			Oxidation (M)[12]		Mascot

[illegible]

	900.5373	900.5101	-0.0272	-30	136	143	NITRGAIR										Mascot
	908.4359	908.5312	0.0953	105	1255	1262	EDLEAGFK										Mascot
	937.4594	937.4719	0.0125	13	985	991	EKITMCR					Carbamidomethyl (C)[6]					Mascot
	1320.7158	1320.6624	-0.0534	-40	378	389	SSHTLTSLSLFLK										Mascot
	1320.7158	1320.6624	-0.0534	-40	378	389	SSHTLTSLSLFLK										Mascot
	1341.6177	1341.7687	0.151	113	1127	1137	NCMVAEDFIVK					Carbamidomethyl (C)[2], Oxidation (M)[3]					Mascot
	1385.6842	1385.7086	0.0244	18	1368	1380	NERALPLPQSSAC										Mascot
	1541.7377	1541.7784	0.0407	26	858	870	LGTEPEKHECVSR					Carbamidomethyl (C)[10]					Mascot
	1541.7377	1541.7784	0.0407	26	858	870	LGTEPEKHECVSR					Carbamidomethyl (C)[10]					Mascot
	1653.8918	1653.6521	-0.2397	-145	1018	1032	VAIKTVNESASLHER										Mascot
	1833.9263	1833.9923	0.066	36	321	337	ICDEKVIDSVDAQSLK										Mascot
	2114.9487	2115.0486	0.0999	47	1138	1154	IGDFGMTRDIYETDYR										Mascot
	2210.8821	2211.0938	0.2117	96	300	320	DESHGVSVSMLCTACDG PCDK					Carbamidomethyl (C)[12]					Mascot
	2217.0349	2217.0422	0.0073	3	1098	1117	KMIQMAGEIADGMAYLN ANK					Oxidation (M)[2,5,13]					Mascot
	2283.8984	2284.1619	0.2635	115	300	320	DESHGVSVSMLCTACDG PCDK					Carbamidomethyl (C)[12,15], Oxidation (M)[10]					Mascot
	2298.189	2298.1726	-0.0164	-7	710	728	AFENFLHNAIFTRPPDR R										Mascot
	2298.957	2299.1731	0.2161	94	175	195	QSKECGNVCPGIMEDNS QCTR										Mascot
	2362.1899	2362.209	0.0191	8	839	857	WPEPDKPNGLIMLYEIQY R										Mascot
	2362.1899	2362.209	0.0191	8	839	857	WPEPDKPNGLIMLYEIQY R										Mascot
	3338.717	3338.7439	0.0269	8	1044	1072	EFNCHHVVRLLGVVSQG QPTLVIMELMTR					Oxidation (M)[24,27]					Mascot
28	Zgc:110331 [Danio rerio]				gil62202266		17382.1	8.3	6	32	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.5294	882.5638	0.0344	39	122	129	ELSLPPVK				Mascot
900.4971	900.5101	0.013	14	9	16	CAAPQILK		Carbamidomethyl (C)[1]		Mascot
1045.5636	1045.5601	-0.0035	-3	42	51	NVGSLDKNAK				Mascot
1128.5432	1128.6136	0.0704	62	33	41	VVDHYENPR				Mascot
2194.1611	2194.1262	-0.0349	-16	122	141	ELSLPPVKLHCSMLAEDA IK				Mascot
2247.1113	2247.0908	-0.0205	-9	84	104	FKTFGCGSAIASSSLATE WVK		Carbamidomethyl (C)[6]		Mascot

29 PREDICTED: zinc-binding protein A33-like [Danio rerio] gil292610346 58802.6 7.49 11 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End Sequence	Ion	C. I. %	Modification	Rank	Result Type
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				Seq.	Seq.	Score					
	869.4951	869.5234	0.0283	33	398	404	RNPEVVR				Mascot
	892.5137	892.4858	-0.0279	-31	173	179	IKVEFEK				Mascot
	960.4277	960.4664	0.0387	40	473	479	KMSFMER		Oxidation (M)[2,5]		Mascot
	960.4277	960.4664	0.0387	40	473	479	KMSFMER		Oxidation (M)[2,5]		Mascot
	1341.6984	1341.7687	0.0703	52	350	360	HWSLGVCCLELK		Carbamidomethyl (C)[7]		Mascot
	1558.7128	1558.8386	0.1258	81	405	417	VKLDYVCDDTMEK				Mascot
	1558.7206	1558.8386	0.118	76	423	436	VSFFDASCDAVIER				Mascot
	1829.8044	1829.9438	0.1394	76	2	17	SLEDDLSCAVCTDVFR		Carbamidomethyl (C)[8]		Mascot
	2217.0137	2217.0422	0.0285	13	380	397	ERYMYHLMTAEGCEINIK		Oxidation (M)[4]		Mascot
	2225.0259	2225.1055	0.0796	36	95	111	IELFCQNDEQLLCARCR		Carbamidomethyl (C)[5,13,16]		Mascot
	2225.0259	2225.1055	0.0796	36	95	111	IELFCQNDEQLLCARCR		Carbamidomethyl (C)[5,13,16]		Mascot
	2233.0085	2233.0708	0.0623	28	380	397	ERYMYHLMTAEGCEINIK		Oxidation (M)[4,8]		Mascot
	2247.0928	2247.0908	-0.002	-1	327	347	VVLGSVGYS DGDHTWEI EVGK				Mascot
	2282.9851	2283.166	0.1809	79	31	49	QCIYDHWSSSGTRNCPIC R		Carbamidomethyl (C)[2]		Mascot
	2282.9851	2283.166	0.1809	79	31	49	QCIYDHWSSSGTRNCPIC R		Carbamidomethyl (C)[2]		Mascot
30	RecName: Full=SH3 domain-binding protein 4-A				gi 123888628		108383	7.89	13	32	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
842.5822	842.5072	-0.075	-89	663	669	LIKT VIR				Mascot
850.4338	850.5395	0.1057	124	387	393	LSNMEIK		Oxidation (M)[4]		Mascot
850.4338	850.5395	0.1057	124	387	393	LSNMEIK		Oxidation (M)[4]		Mascot
870.4726	870.5333	0.0607	70	1	7	MAAHRIR		Oxidation (M)[1]		Mascot
1045.4796	1045.5601	0.0805	77	791	799	AELDSEPER				Mascot
1075.651	1075.6244	-0.0266	-25	475	484	KVT LGLY GPK				Mascot
1623.7723	1623.7631	-0.0092	-6	66	79	DYCPSSFTTLKFSK				Mascot
1946.9316	1946.9719	0.0403	21	101	116	EMGYIPSTYVQPINYR		Oxidation (M)[2]		Mascot
2230.2417	2230.1941	-0.0476	-21	842	860	LIMDFVLLTTAVEVAPRW R				Mascot
2284.2368	2284.1619	-0.0749	-33	492	513	TVVAIFGHDCAPKTL LVS EVGK				Mascot
2300.0686	2300.1689	0.1003	44	597	616	DDQDCILAQFCVQTPQP PPK		Carbamidomethyl (C)[5]		Mascot
2811.3804	2811.4519	0.0715	25	593	616	VQVKDDQDCILAQFCVQ TPQPPPK		Carbamidomethyl (C)[9,15]		Mascot
3337.6052	3337.7546	0.1494	45	298	327	LARSCHDLESLGQNPGW GQTQPVETNIVCK		Carbamidomethyl (C)[5]		Mascot
3338.5496	3338.7439	0.1943	58	885	913	TGMVDSEAMWKPAYDFL		Oxidation (M)[3]		Mascot

31 LTWAAQIGDSYR
 PREDICTED: histone acetyltransferase KAT2A [Danio rerio] gi|189516875 90565.6 9.09 12 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.476	864.5098	0.0338	39	517	524	VIGGICFR					Mascot
937.485	937.4719	-0.0131	-14	85	93	NPNPPTAAR					Mascot
960.5373	960.4664	-0.0709	-74	52	59	AQVRSFPR					Mascot
960.5373	960.4664	-0.0709	-74	52	59	AQVRSFPR					Mascot
1102.4987	1102.6257	0.127	115	271	279	YETCQVFGR					Mascot
1118.5437	1118.6157	0.072	64	445	453	DETARLEER					Mascot
1341.6321	1341.7687	0.1366	102	718	728	SEAPDYEVIR					Mascot
1607.835	1607.7671	-0.0679	-42	684	696	ELKDPDLLYNMLK			Oxidation (M)[11]		Mascot
1947.0078	1946.9719	-0.0359	-18	132	148	LLGMVVDVENLFMSVHK			Oxidation (M)[4]		Mascot
2233.1194	2233.0708	-0.0486	-22	368	391	GSSASALGVTGLDVASS EPTIGEK					Mascot
2284.1323	2284.1619	0.0296	13	563	581	HGILYFLTYADEYAIGYFK					Mascot
2362.1721	2362.209	0.0369	16	220	237	MFLCLNYWKLETPSQF R			Carbamidomethyl (C)[5], Oxidation (M)[1]		Mascot
2362.1721	2362.209	0.0369	16	220	237	MFLCLNYWKLETPSQF R			Carbamidomethyl (C)[5], Oxidation (M)[1]		Mascot
3337.6416	3337.7546	0.113	34	517	546	VIGGICFRMFPTQGFTEIV FCAVTSNEQVK			Oxidation (M)[9]		Mascot

32 Cars protein [Danio rerio] gi|28856175 73800.2 5.84 11 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.5155	882.5638	0.0483	55	533	540	SAKLPPNR					Mascot
1075.6146	1075.6244	0.0098	9	37	45	TKEVFVPQK					Mascot
1128.6259	1128.6136	-0.0123	-11	181	190	QAQVLLEEAK					Mascot
1558.7278	1558.8386	0.1108	71	498	511	TSVHGALCDNIDTR			Carbamidomethyl (C)[8]		Mascot
1558.8622	1558.8386	-0.0236	-15	605	617	KVTELLQLCDQLR					Mascot
1637.817	1637.6639	-0.1531	-93	13	27	VQPPWSPPEGTDISK					Mascot
1665.9098	1665.8523	-0.0575	-35	240	253	VSEYVPEIVEFVKK					Mascot
2225.0505	2225.1055	0.055	25	86	103	YDVFCMNITDIDDKIHK			Oxidation (M)[7]		Mascot
2225.0505	2225.1055	0.055	25	86	103	YDVFCMNITDIDDKIHK			Oxidation (M)[7]		Mascot
2230.0591	2230.1941	0.135	61	512	531	SALEEMRALVGQSNTYM AAR			Oxidation (M)[6, 17]		Mascot
2362.2874	2362.209	-0.0784	-33	536	555	LPPNRMLLSIALYLTDM			Oxidation (M)[6, 18]		Mascot

	2362.2874	2362.209	-0.0784	-33	536	555	LK LPPNRMLLQSIALLYLTDM LK						Oxidation (M)[6,18]	Mascot
	2555.3496	2555.3406	-0.009	-4	149	172	QMLERLDSAVDAALGPL QVAVQSK						Oxidation (M)[2]	Mascot
33	insulin-like growth factor 1b receptor [Danio rerio]				gi 169145927		155839.9	5.87	16	32	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
900.5373	900.5101	-0.0272	-30	136	143	NITRGAIR					Mascot
908.4359	908.5312	0.0953	105	1255	1262	EDLEAGFK					Mascot
937.4594	937.4719	0.0125	13	985	991	EKITMCR			Carbamidomethyl (C)[6]		Mascot
1320.7158	1320.6624	-0.0534	-40	378	389	SSHTLTSLSFLK					Mascot
1320.7158	1320.6624	-0.0534	-40	378	389	SSHTLTSLSFLK					Mascot
1341.6177	1341.7687	0.151	113	1127	1137	NCMVAEDFIVK			Carbamidomethyl (C)[2], Oxidation (M)[3]		Mascot
1385.6842	1385.7086	0.0244	18	1368	1380	NERALPLQSSAC					Mascot
1541.7377	1541.7784	0.0407	26	858	870	LGTEPEKHECVSR			Carbamidomethyl (C)[10]		Mascot
1541.7377	1541.7784	0.0407	26	858	870	LGTEPEKHECVSR			Carbamidomethyl (C)[10]		Mascot
1653.8918	1653.6521	-0.2397	-145	1018	1032	VAIKTVNESASLHER					Mascot
1833.9263	1833.9923	0.066	36	321	337	ICDEKVIDSVDAQSLK					Mascot
2114.9487	2115.0486	0.0999	47	1138	1154	IGDFGMTRDIYETDYR					Mascot
2210.8821	2211.0938	0.2117	96	300	320	DESHGVSVSMLCTACDG PCDK			Carbamidomethyl (C)[12]		Mascot
2217.0349	2217.0422	0.0073	3	1098	1117	KMIQMAGEIADGMAYLN ANK			Oxidation (M)[2,5,13]		Mascot
2283.8984	2284.1619	0.2635	115	300	320	DESHGVSVSMLCTACDG PCDK			Carbamidomethyl (C)[12,15], Oxidation (M)[10]		Mascot
2298.189	2298.1726	-0.0164	-7	710	728	AFENFLHNAIFTRPPDR R					Mascot
2298.957	2299.1731	0.2161	94	175	195	QSKECGNVCPGIMEDNS QCTR					Mascot
2362.1899	2362.209	0.0191	8	839	857	WPEPDKPNGLIMLYEIQY R					Mascot
2362.1899	2362.209	0.0191	8	839	857	WPEPDKPNGLIMLYEIQY R					Mascot
3338.717	3338.7439	0.0269	8	1044	1072	EFNCHHVVRLLGVVSQG QPTLVIMELMTR			Oxidation (M)[24,27]		Mascot

34	structural maintenance of chromosomes protein 1A [Danio rerio]				gi 239052720		143054.8	6.64	15	32	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4389	882.5638	0.1249	142	555	561	DCIQYIK					Mascot
892.4491	892.4858	0.0367	41	269	275	ELGRMMR					Mascot

908.444	908.5312	0.0872	96	269	275	ELGRMMR				Oxidation (M)[5]	Mascot
926.4876	926.5747	0.0871	94	927	934	HNLLQACK					Mascot
960.4632	960.4664	0.0032	3	331	338	ADIEELDR					Mascot
960.4632	960.4664	0.0032	3	331	338	ADIEELDR	9	0			Mascot
1045.5272	1045.5601	0.0329	31	427	434	EIEENQKR					Mascot
1082.5476	1082.6895	0.1419	131	97	106	AIIGSSSEYR					Mascot
1279.6537	1279.7686	0.1149	90	835	844	VMMWEQTVKK					Mascot
1341.6692	1341.7687	0.0995	74	924	934	SDRHNLLQACK				Carbamidomethyl (C)[10]	Mascot
1541.7927	1541.7784	-0.0143	-9	927	939	HNLLQACKMQDIK					Mascot
1541.7927	1541.7784	-0.0143	-9	927	939	HNLLQACKMQDIK					Mascot
1623.8748	1623.7631	-0.1117	-69	700	713	QVQSQAHLQMLRK					Mascot
1653.8668	1653.6521	-0.2147	-130	132	146	NFLVFQGAVESIAMK					Mascot
2216.8933	2217.0422	0.1489	67	78	96	AFVSMVYCEDNGEECTF TR				Oxidation (M)[5]	Mascot
2224.0483	2224.0549	0.0066	3	607	626	KALQYACGNALVCENVE DAR				Carbamidomethyl (C)[7]	Mascot
2255.1699	2255.0515	-0.1184	-53	862	880	IIDETMAQLQDLKNQHLLT K				Oxidation (M)[6]	Mascot
3337.4446	3337.7546	0.31	93	78	106	AFVSMVYCEDNGEECTF TRAIGSSSEYR				Carbamidomethyl (C)[8], Oxidation (M)[5]	Mascot

35

PREDICTED: hypothetical protein LOC569436 [Danio rerio]

gi|326678363

352771.2

7.92

28

32

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4743	842.5072	0.0329	39	2664	2669	HFRINR					Mascot
856.4311	856.5259	0.0948	111	1282	1287	ENYFRK					Mascot
864.4131	864.5098	0.0967	112	603	610	LGAEMSEK					Mascot
869.4661	869.5234	0.0573	66	368	374	EKPHKCK					Mascot
900.5624	900.5101	-0.0523	-58	2956	2962	LETLRLR					Mascot
908.5273	908.5312	0.0039	4	1516	1523	FLLGMSLK					Mascot
926.4875	926.5747	0.0872	94	368	374	EKPHKCK			Carbamidomethyl (C)[6]		Mascot
937.3978	937.4719	0.0741	79	401	407	CEQCGKR			Carbamidomethyl (C)[1,4]		Mascot
960.4819	960.4664	-0.0155	-16	412	419	STLIDHMK			Oxidation (M)[7]		Mascot
960.4819	960.4664	-0.0155	-16	412	419	STLIDHMK			Oxidation (M)[7]		Mascot
1075.5742	1075.6244	0.0502	47	2075	2083	QLRDTTVDK					Mascot
1082.6569	1082.6895	0.0326	30	2288	2296	NPLLQKELK					Mascot
1320.6616	1320.6624	0.0008	1	3017	3027	LHLYNCSITEK					Mascot
1320.6616	1320.6624	0.0008	1	3017	3027	LHLYNCSITEK					Mascot

	1711.0728	1710.8851	-0.1877	-110	631	645	TDILVQVLQILLKSK										Mascot
	1833.9857	1833.9923	0.0066	4	73	89	TPTPGGAQFVGLELYKR										Mascot
	2221.0693	2221.0764	0.0071	3	434	452	NPEEAELEDTLNQVMVV FK						Oxidation (M)[15]				Mascot
	2247.075	2247.0908	0.0158	7	375	395	YNALVMSAFNNDAGFVA ALDK						Oxidation (M)[6]				Mascot
	2283.1423	2283.166	0.0237	10	96	115	SYLTNLLKDGEDLMDESV LK	1			0						Mascot
	2283.1423	2283.166	0.0237	10	96	115	SYLTNLLKDGEDLMDESV LK										Mascot
	2299.1375	2299.1731	0.0356	15	96	115	SYLTNLLKDGEDLMDESV LK						Oxidation (M)[14]				Mascot
37	PREDICTED: ribonuclease inhibitor-like [Danio rerio]				gi 326678374		93203.1	5.41	11	32	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	869.4661	869.5234	0.0573	66	1	9	MPAGPAGIR						Mascot
	1320.6803	1320.6624	-0.0179	-14	68	78	HCTLNTLMFLK						Mascot
	1320.6803	1320.6624	-0.0179	-14	68	78	HCTLNTLMFLK						Mascot
	1653.8914	1653.6521	-0.2393	-145	447	462	SCSVLATCLSSKTILK						Mascot
	1710.9128	1710.8851	-0.0277	-16	447	462	SCSVLATCLSSKTILK				Carbamidomethyl (C)[2]		Mascot
	2034.9987	2034.9102	-0.0885	-43	495	513	LLCPAAEEGCQFVTGVV GK				Carbamidomethyl (C)[3,10]		Mascot
	2034.9987	2034.9102	-0.0885	-43	495	513	LLCPAAEEGCQFVTGVV GK				Carbamidomethyl (C)[3,10]		Mascot
	2217.0017	2217.0422	0.0405	18	778	798	LRLSCCEMTDEACSAVA SALK				Oxidation (M)[8]		Mascot
	2225.094	2225.1055	0.0115	5	814	832	LENSGVKNLSDLLMYPQ CK				Carbamidomethyl (C)[18], Oxidation (M)[14]		Mascot
	2225.094	2225.1055	0.0115	5	814	832	LENSGVKNLSDLLMYPQ CK				Carbamidomethyl (C)[18], Oxidation (M)[14]		Mascot
	2297.0562	2297.1833	0.1271	55	571	591	SDSSLKELDMSNNNLQD SGVK				Oxidation (M)[10]		Mascot
	2298.1316	2298.1726	0.041	18	268	290	GCGLTEESCSALATVLKS NSSLK						Mascot
	2300.093	2300.1689	0.0759	33	438	458	LNNCELTEKSCSVLATCL SSK				Carbamidomethyl (C)[4]		Mascot
	2811.5112	2811.4519	-0.0593	-21	323	347	FLSNFADEVQCQFVTGVV GKNLLLLK				Carbamidomethyl (C)[10]		Mascot
	3338.6758	3338.7439	0.0681	20	197	227	MNQTKSLLTSPQFLSPAA EEACQFVTGVVGK				Carbamidomethyl (C)[22]		Mascot

38 Jag2 protein [Danio rerio] gi|112418665 15637.6 6.08 1 32 0 27 48.285

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	960.5196	960.4664	-0.0532	-55	2	8	WNCIRIR						Mascot
	960.5196	960.4664	-0.0532	-55	2	8	WNCIRIR	27		48.285			Mascot

39 novel protein [Danio rerio] gi|126632667 13693 7.88 5 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
937.4407	937.4719	0.0312	33	54	62	AEGTSKNCK					Mascot
1045.5524	1045.5601	0.0077	7	44	53	AGETIDAIQK					Mascot
1165.6688	1165.7391	0.0703	60	119	128	SQLHNITKKP					Mascot
2254.9551	2255.0515	0.0964	43	23	43	SENAKCEADEENAAMLG NTNK			Oxidation (M)[15]		Mascot
2314.1067	2314.1418	0.0351	15	1	19	FLHLQIQAIQEPTGDCC R			Carbamidomethyl (C)[17,18]		Mascot

40 Transferrin receptor 1a [Danio rerio] gi|190337022 84943 6.38 8 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4842	842.5072	0.023	27	66	72	LNQRSPK					Mascot
856.4747	856.5259	0.0512	60	344	351	LGGRNSPR					Mascot
960.5472	960.4664	-0.0808	-84	662	671	AASALTSAIR					Mascot
960.5472	960.4664	-0.0808	-84	662	671	AASALTSAIR	14	0			Mascot
1045.5935	1045.5601	-0.0334	-32	683	690	IINNRIMR			Oxidation (M)[7]		Mascot
1279.6165	1279.7686	0.1521	119	731	742	GGLESADIDQFK					Mascot
1607.8462	1607.7671	-0.0791	-49	431	444	TITDMIKNDGFKPK					Mascot
1623.8411	1623.7631	-0.078	-48	431	444	TITDMIKNDGFKPK			Oxidation (M)[5]		Mascot
1819.9734	1819.86	-0.1134	-62	688	703	IMRVEGSLSPYVSPR			Oxidation (M)[2]		Mascot
2283.0339	2283.166	0.1321	58	662	682	AASALTSAIRNSDLDDME QCR			Oxidation (M)[17]		Mascot
2283.0339	2283.166	0.1321	58	662	682	AASALTSAIRNSDLDDME QCR			Oxidation (M)[17]		Mascot

41 nitrogen fixation cluster-like [Danio rerio] gi|221307563 17420.2 8.83 6 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5294	882.5638	0.0344	39	122	129	ELSLPPVK					Mascot
900.4971	900.5101	0.013	14	9	16	CAAPQILK			Carbamidomethyl (C)[1]		Mascot
1045.5636	1045.5601	-0.0035	-3	42	51	NVGSLDKNAK					Mascot
1128.5432	1128.6136	0.0704	62	33	41	VVDHYENPR					Mascot
2194.1611	2194.1262	-0.0349	-16	122	141	ELSLPPVKLHCSMLAEDA IK					Mascot

	2247.1113	2247.0908	-0.0205	-9	84	104	FKTFGCGSAIASSSLATE WVK					Carbamidomethyl (C)[6]	Mascot
42	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial [Danio rerio]				gi 56090150	79382.4	5.82	11	31	0			

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
842.5093	842.5072	-0.0021	-2	330	338	VAGALQGVK						Mascot
850.5257	850.5395	0.0138	16	516	522	VLNVLHR						Mascot
850.5257	850.5395	0.0138	16	516	522	VLNVLHR						Mascot
1128.6306	1128.6136	-0.017	-15	304	312	QRLTQPMVR						Mascot
1320.7747	1320.6624	-0.1123	-85	4	16	LPAVSRALAAHSK						Mascot
1320.7747	1320.6624	-0.1123	-85	4	16	LPAVSRALAAHSK						Mascot
1341.6436	1341.7687	0.1251	93	175	185	TIMTRCIQCTR				Oxidation (M)[3]		Mascot
1354.6307	1354.7288	0.0981	72	205	216	GNDMQIGTYVEK						Mascot
1710.9246	1710.8851	-0.0395	-23	10	26	ALAAHSKGSIAATTNNVR						Mascot
1819.8564	1819.86	0.0036	2	714	731	CVKAVTEGAAAVDEPSIC				Carbamidomethyl (C)[1]		Mascot
1946.8987	1946.9719	0.0732	38	697	713	DFYMTDPISRASPTMAK				Oxidation (M)[4]		Mascot
2555.3748	2555.3406	-0.0342	-13	339	364	GSEIGAIAGGMVDAEALV ALKDLLNK						Mascot
2811.5283	2811.4519	-0.0764	-27	330	359	VAGALQGVKGSEIGAIAG GMVDAEALVALK				Oxidation (M)[20]		Mascot

43	kazrin [Danio rerio]				gi 121583740	48879.4	6.17	9	31	0		
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Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4265	850.5395	0.113	133	28	35	SELSATSR						Mascot
850.4451	850.5395	0.0944	111	390	397	MSLGSLSR						Mascot
856.4094	856.5259	0.1165	136	333	339	ISPCHSR				Carbamidomethyl (C)[4]		Mascot
960.4645	960.4664	0.0019	2	205	211	NYDQHRK						Mascot
960.4645	960.4664	0.0019	2	205	211	NYDQHRK						Mascot
996.4852	996.5922	0.107	107	120	127	QMKDMLSK				Oxidation (M)[2]		Mascot
996.4852	996.5922	0.107	107	120	127	QMKDMLSK				Oxidation (M)[2]		Mascot
1118.5623	1118.6157	0.0534	48	162	171	EALQAMKGDR						Mascot
1819.9219	1819.86	-0.0619	-34	240	255	EATEQATVLRSQIDMK						Mascot
2283.0781	2283.166	0.0879	39	333	354	ISPCHSRQPSIISDASAAD GDR						Mascot
2283.0781	2283.166	0.0879	39	333	354	ISPCHSRQPSIISDASAAD GDR						Mascot

2298.2161 2298.1726 -0.0435 -19 7 27 QLAQRIDGAIQSASQEV
NLR Mascot

44 novel protein similar to vertebrate fuse-binding
protein-interacting repressor (SIAHBP1) [Danio rer
gi|169154385 17912.1 6.73 5 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4273	850.5395	0.1122	132	88	94	ALAIMCR			Carbamidomethyl (C)[6], Oxidation (M)[5]		Mascot
850.4273	850.5395	0.1122	132	88	94	ALAIMCR			Carbamidomethyl (C)[6], Oxidation (M)[5]		Mascot
1075.5935	1075.6244	0.0309	29	111	120	QAFAPFGPIK					Mascot
1118.5922	1118.6157	0.0235	21	86	94	QRALAIMCR			Carbamidomethyl (C)[8]		Mascot
2811.4192	2811.4519	0.0327	12	2	27	MENGQSTASKLGLPPLT PEQQEALQK			Oxidation (M)[1]		Mascot
3337.6343	3337.7546	0.1203	36	133	162	HKGFAFVEYEVPEAAQL ALEQMNSVMLGGR			Oxidation (M)[22]		Mascot

45 insulin-like growth factor 1 receptor [Danio rerio] gi|22036200 48992.8 4.96 8 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
908.4359	908.5312	0.0953	105	314	321	EDLEAGFK					Mascot
937.4594	937.4719	0.0125	13	44	50	EKITMCR			Carbamidomethyl (C)[6]		Mascot
1341.6177	1341.7687	0.151	113	186	196	NCMVAEDFIVK			Carbamidomethyl (C)[2], Oxidation (M)[3]		Mascot
1385.6842	1385.7086	0.0244	18	427	439	NERALPLQSSAC					Mascot
1653.8918	1653.6521	-0.2397	-145	77	91	VAIKTVNESASLHER					Mascot
2114.9487	2115.0486	0.0999	47	197	213	IGDFGMTRDIYETDYR					Mascot
2217.0349	2217.0422	0.0073	3	157	176	KMIQMAGEIADGMAYLN ANK			Oxidation (M)[2,5,13]		Mascot
3338.717	3338.7439	0.0269	8	103	131	EFNCHHVVRLLGVVSQG QPTLVIMELMTR			Oxidation (M)[24,27]		Mascot

46 PREDICTED: apolipoprotein B-100 [Danio rerio] gi|326675669 478034.2 5.42 28 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.3879	864.5098	0.1219	141	2950	2956	AQMEDVR			Oxidation (M)[3]		Mascot
892.496	892.4858	-0.0102	-11	1783	1789	LKMEPFK					Mascot
900.4097	900.5101	0.1004	112	2163	2169	AFDEQYK					Mascot
908.4909	908.5312	0.0403	44	1783	1789	LKMEPFK			Oxidation (M)[3]		Mascot
937.4447	937.4719	0.0272	29	4167	4173	EWMKEAK			Oxidation (M)[3]		Mascot
1045.5823	1045.5601	-0.0222	-21	2442	2450	IAEVCARNIK					Mascot

	1051.5756	1051.708	0.1324	126	3778	3785	HDLRQNLK		Mascot	
	1075.651	1075.6244	-0.0266	-25	3465	3473	SIKLPPVYQK		Mascot	
	1082.6932	1082.6895	-0.0037	-3	2996	3005	GNSKIILPLK		Mascot	
	1102.6038	1102.6257	0.0219	20	2442	2450	IAEVCNRNIK	Carbamidomethyl (C)[5]	Mascot	
	1118.6052	1118.6157	0.0105	9	274	283	QSLTLQDSVK		Mascot	
	1341.7737	1341.7687	-0.005	-4	2463	2473	LKIQDIIEDVR		Mascot	
	1354.7114	1354.7288	0.0174	13	1250	1260	SDALLRYQFNK		Mascot	
	1385.7899	1385.7086	-0.0813	-59	336	347	ASLFHKLVSER		Mascot	
	1541.7806	1541.7784	-0.0022	-1	442	455	QLPQQDQTSTPEVK		Mascot	
	1541.7806	1541.7784	-0.0022	-1	442	455	QLPQQDQTSTPEVK		Mascot	
	1558.7781	1558.8386	0.0605	39	2957	2970	MEIEISHSADLIGK	Oxidation (M)[1]	Mascot	
	1558.7781	1558.8386	0.0605	39	2957	2970	MEIEISHSADLIGK	Oxidation (M)[1]	Mascot	
	1665.8737	1665.8523	-0.0214	-13	2345	2358	MMEIMDSIVSLLKR		Mascot	
	1710.8037	1710.8851	0.0814	48	348	363	GLKNETLSGADEMMK	Oxidation (M)[14]	Mascot	
	1819.8722	1819.86	-0.0122	-7	1957	1971	LNNHAYNQDVNIYNK		Mascot	
	1829.9799	1829.9438	-0.0361	-20	3218	3232	IKCPVLMDLNQVLR	Carbamidomethyl (C)[3]	Mascot	
	2034.9991	2034.9102	-0.0889	-44	1955	1971	SKLNNHAYNQDVNIYNK		Mascot	
	2034.9991	2034.9102	-0.0889	-44	1955	1971	SKLNNHAYNQDVNIYNK		Mascot	
	2114.96	2115.0486	0.0886	42	3987	4003	FFSSANEFIRYESNMR	Oxidation (M)[16]	Mascot	
	2211.1113	2211.0938	-0.0175	-8	770	788	TSDLKHVTQYINLCATF K		Mascot	
	2230.1172	2230.1941	0.0769	34	2610	2628	VRQIEMPEVDPEAIFGDL R	Oxidation (M)[6]	Mascot	
	2284.1416	2284.1619	0.0203	9	2731	2750	SSLEFLDYTLDAMLQIEA PK		Mascot	
	2299.1572	2299.1731	0.0159	7	1720	1738	SECMQTLNITLWTLAFRS K	Carbamidomethyl (C)[3]	Mascot	
	2300.1367	2300.1689	0.0322	14	2731	2750	SSLEFLDYTLDAMLQIEA PK	Oxidation (M)[13]	Mascot	
	2314.1504	2314.1418	-0.0086	-4	1718	1736	MRSECMQTLNITLWTLAF R		Mascot	
	2362.0989	2362.209	0.1101	47	940	959	IDSTECNRIFPGMNYCTIL R	Oxidation (M)[13]	Mascot	
	2362.0989	2362.209	0.1101	47	940	959	IDSTECNRIFPGMNYCTIL R	Oxidation (M)[13]	Mascot	
	2811.4348	2811.4519	0.0171	6	4203	4226	LNDLLMAVESYIDSLFKS YLAFMK		Mascot	
	3337.7654	3337.7546	-0.0108	-3	3516	3544	LFENGVSFNIPQITFGVP DLFKTIPQMIR	Oxidation (M)[27]	Mascot	
47	LOC562123 protein [Danio rerio]				gij81097651	53882.6	6.12	9	30	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	937.5214	937.4719	-0.0495	-53	312	319	AVQLDHVR										Mascot
	1118.559	1118.6157	0.0567	51	12	21	ASEPPQQHPK										Mascot
	1320.6715	1320.6624	-0.0091	-7	320	331	TVVVDEADTMLK										Mascot
	1320.6715	1320.6624	-0.0091	-7	320	331	TVVVDEADTMLK										Mascot
	1354.5613	1354.7288	0.1675	124	92	102	TDNDICSLECK						Carbamidomethyl (C)[6,10]				Mascot
	1946.8669	1946.9719	0.105	54	67	83	SQRWPEPGEPCVMCG R						Oxidation (M)[14]				Mascot
	2035.0342	2034.9102	-0.124	-61	137	153	QDAFISELTEEQIERVK										Mascot
	2035.0342	2034.9102	-0.124	-61	137	153	QDAFISELTEEQIERVK										Mascot
	2224.1543	2224.0549	-0.0994	-45	382	400	NQPCANIRQIVLWVEEPS K										Mascot
	2225.1169	2225.1055	-0.0114	-5	429	447	QAEKHTTHTQHLPHTTT R										Mascot
	2225.1169	2225.1055	-0.0114	-5	429	447	QAEKHTTHTQHLPHTTT R										Mascot
	2255.1699	2255.0515	-0.1184	-53	312	331	AVQLDHRVTVVVDEADT MLK						Oxidation (M)[18]				Mascot

48 dehydrogenase/reductase SDR family member 1 [Danio rerio] gi|50345068

33868.3 8.39 7 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1075.5815	1075.6244	0.0429	40	232	240	CIVELAKDK				Carbamidomethyl (C)[1]		Mascot
1320.6399	1320.6624	0.0225	17	53	65	GGRCLPVVCDSSK						Mascot
1320.6399	1320.6624	0.0225	17	53	65	GGRCLPVVCDSSK						Mascot
1607.8032	1607.7671	-0.0361	-22	1	15	MALSGWICVVTGASR				Carbamidomethyl (C)[8]		Mascot
1623.7981	1623.7631	-0.035	-22	1	15	MALSGWICVVTGASR				Carbamidomethyl (C)[8], Oxidation (M)[1]		Mascot
1819.9912	1819.86	-0.1312	-72	20	37	GIALQLSEAGATVYITGR						Mascot
1829.9003	1829.9438	0.0435	24	155	170	YLFNVPYGVGKAACDR				Carbamidomethyl (C)[14]		Mascot
2230.2078	2230.1941	-0.0137	-6	84	104	LDILVNNAYAGVQAILDN VSK						Mascot
2555.4053	2555.3406	-0.0647	-25	142	165	GLIVVISMGGRLRYLFNV PYGVGK				Oxidation (M)[9]		Mascot

49 SH3-domain GRB2-like 3 [Danio rerio]

gi|28278936 43568.5 8.64 4 30 0 20 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
856.4886	856.5259	0.0373	44	39	45	KTEITHK						Mascot
960.5359	960.4664	-0.0695	-72	176	184	GKIADSEIK						Mascot
960.5359	960.4664	-0.0695	-72	176	184	GKIADSEIK	20		0			Mascot
2284.3064	2284.1619	-0.1445	-63	46	65	LILDIVPKTIGYLQPNPAY R						Mascot

		2362.2625	2362.209	-0.0535	-23	208	227	DVQRLQHLSGLLEAVIDY HR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</
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1999.943	1999.9437	0.0007	0	442	459	AIPTCTVFYPSDGVSTER				Carbamidomethyl (C)[5]	Mascot
2114.1855	2114.187	0.0015	1	534	553	VIDPFTIKPLDASTIVASAR	145	100			Mascot
2114.1855	2114.187	0.0015	1	534	553	VIDPFTIKPLDASTIVASAR					Mascot
2175.1404	2175.1401	-0.0003	0	568	589	EGGLGEAVLSAVGEEPGLVVHR	208	100			Mascot
2175.1404	2175.1401	-0.0003	0	568	589	EGGLGEAVLSAVGEEPGLVVHR					Mascot
2294.1663	2294.1646	-0.0017	-1	475	494	TSRPDTAVIYNPEEKFEIGK					Mascot
2294.1663	2294.1646	-0.0017	-1	475	494	TSRPDTAVIYNPEEKFEIGK	29	65.921			Mascot
2432.1406	2432.1375	-0.0031	-1	362	382	YIECFIAEQNMVSVAIGCATR				Carbamidomethyl (C)[4,18]	Mascot
2432.1406	2432.1375	-0.0031	-1	362	382	YIECFIAEQNMVSVAIGCATR	181	100		Carbamidomethyl (C)[4,18]	Mascot
2448.1355	2448.1428	0.0073	3	362	382	YIECFIAEQNMVSVAIGCATR				Carbamidomethyl (C)[4,18], Oxidation (M)[11]	Mascot
2457.3096	2457.3127	0.0031	1	504	527	DQVTVIGAGVTLHEALAAHDQLAK					Mascot
2457.3096	2457.3127	0.0031	1	504	527	DQVTVIGAGVTLHEALAAHDQLAK	133	100			Mascot
2515.2319	2515.2405	0.0086	3	114	139	LAFVDVATGSLGQGLGACGMAYTGK				Carbamidomethyl (C)[19]	Mascot
2590.3398	2590.2161	-0.1237	-48	294	317	EDAPPADLSPIHLLTAPEYKLGDK					Mascot
3000.2307	3000.2456	0.0149	5	148	173	VYCMLGDGECSEGSVWEAMAFASHYK				Carbamidomethyl (C)[3,10], Oxidation (M)[4]	Mascot

2 transketolase-like protein 2 [Danio rerio] gi|186288308 67795.3 6.81 21 1,350 100 1209 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
901.5101	901.5057	-0.0044	-5	93	100	ASDLLNLR					Mascot
1044.4932	1044.4929	-0.0003	0	226	234	AMWHAEGVK			Oxidation (M)[2]		Mascot
1103.5731	1103.5682	-0.0049	-4	559	567	VITVEDHYK					Mascot
1354.7689	1354.7678	-0.0011	-1	174	185	LDNLVAILDVNR					Mascot
1354.7689	1354.7678	-0.0011	-1	174	185	LDNLVAILDVNR	108	100			Mascot
1436.738	1436.7465	0.0085	6	101	113	KIDSDLEGHPTPK					Mascot
1488.7845	1488.7856	0.0011	1	385	398	TVSFASTFAAFLAR	120	100			Mascot
1488.7845	1488.7856	0.0011	1	385	398	TVSFASTFAAFLAR					Mascot
1719.8547	1719.8544	-0.0003	0	475	489	TSRPDTAVIYNPEEK					Mascot
1719.8547	1719.8544	-0.0003	0	475	489	TSRPDTAVIYNPEEK	65	99.992			Mascot
1736.8887	1736.8861	-0.0026	-1	598	613	SGKPQELLDMFGISAK			Oxidation (M)[10]		Mascot
1751.817	1751.814	-0.003	-2	252	266	GIEDQDNWHGKMPMK					Mascot
1767.8119	1767.8112	-0.0007	0	252	266	GIEDQDNWHGKMPMK			Oxidation (M)[13]		Mascot
1893.9817	1893.9828	0.0011	1	186	202	LGQSEPAPLQHNVNVYK					Mascot

1893.9817	1893.9828	0.0011	1	186	202	LGQSEPAPLQHNVNQYK	97	100		Mascot
1901.9908	1901.9904	-0.0004	0	75	92	GHAAPILYAAWAEAGYIK				Mascot
1999.943	1999.9437	0.0007	0	442	459	AIPTCTVFYPSDGVSTER	127	100	Carbamidomethyl (C)[5]	Mascot
1999.943	1999.9437	0.0007	0	442	459	AIPTCTVFYPSDGVSTER			Carbamidomethyl (C)[5]	Mascot
2114.1855	2114.187	0.0015	1	534	553	VIDPFTIKPLDASTIVASA R	145	100		Mascot
2114.1855	2114.187	0.0015	1	534	553	VIDPFTIKPLDASTIVASA R				Mascot
2175.1404	2175.1401	-0.0003	0	568	589	EGGLGEAVLSAVGEEPGI VVHR	208	100		Mascot
2175.1404	2175.1401	-0.0003	0	568	589	EGGLGEAVLSAVGEEPGI VVHR				Mascot
2294.1663	2294.1646	-0.0017	-1	475	494	TSRPDTAVIYNPEEKFEIG K				Mascot
2294.1663	2294.1646	-0.0017	-1	475	494	TSRPDTAVIYNPEEKFEIG K	29	65.921		Mascot
2432.1406	2432.1375	-0.0031	-1	362	382	YIECFIAEQNMVSAIGCA TR			Carbamidomethyl (C)[4,18]	Mascot
2432.1406	2432.1375	-0.0031	-1	362	382	YIECFIAEQNMVSAIGCA TR	181	100	Carbamidomethyl (C)[4,18]	Mascot
2448.1355	2448.1428	0.0073	3	362	382	YIECFIAEQNMVSAIGCA TR			Carbamidomethyl (C)[4,18], Oxidation (M)[11]	Mascot
2457.3096	2457.3127	0.0031	1	504	527	DQVTVIGAGVTLHEALAA HDQLAK				Mascot
2457.3096	2457.3127	0.0031	1	504	527	DQVTVIGAGVTLHEALAA HDQLAK	133	100		Mascot
2489.0747	2489.0876	0.0129	5	205	225	CEAFGFNTYVVDGHDVE ELCK			Carbamidomethyl (C)[1,20]	Mascot
2515.2319	2515.2405	0.0086	3	114	139	LAFVDVATGSLGQGLGA ACGMAYTGK			Carbamidomethyl (C)[19]	Mascot
2590.3398	2590.2161	-0.1237	-48	294	317	EDAPPADLSPIHLLTAPE YKLGDK				Mascot
3000.2307	3000.2456	0.0149	5	148	173	YVCMLGDGECSEGSVW EAMAFASHYK			Carbamidomethyl (C)[3,10], Oxidation (M)[4]	Mascot

3

transketolase [Danio rerio]

gi|31872040

67811.3

6.81

20

1,210

100

1082

100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
901.5101	901.5057	-0.0044	-5	93	100	ASDLLNLR				Mascot
1044.4932	1044.4929	-0.0003	0	226	234	AMWHAEGVK			Oxidation (M)[2]	Mascot
1103.5731	1103.5682	-0.0049	-4	559	567	VITVEDHYK				Mascot
1354.7689	1354.7678	-0.0011	-1	174	185	LDNLVAILDVNR				Mascot
1354.7689	1354.7678	-0.0011	-1	174	185	LDNLVAILDVNR	108	100		Mascot
1436.738	1436.7465	0.0085	6	101	113	KIDSDLEGHPTPK				Mascot
1488.7845	1488.7856	0.0011	1	385	398	TVSFASTFAAFLAR	120	100		Mascot
1488.7845	1488.7856	0.0011	1	385	398	TVSFASTFAAFLAR				Mascot
1719.8547	1719.8544	-0.0003	0	475	489	TSRPDTAVIYNPEEK				Mascot

	1719.8547	1719.8544	-0.0003	0	475	489	TSRPDTAVIYNPEEK	65	99.992		Mascot	
	1736.8887	1736.8861	-0.0026	-1	598	613	SGKPQELLDMFGISAK			Oxidation (M)[10]	Mascot	
	1751.817	1751.814	-0.003	-2	252	266	GIEDQDNWHGKPMMPK				Mascot	
	1767.8119	1767.8112	-0.0007	0	252	266	GIEDQDNWHGKPMMPK			Oxidation (M)[13]	Mascot	
	1893.9817	1893.9828	0.0011	1	186	202	LGQSEPAPLQHNVNVYK				Mascot	
	1893.9817	1893.9828	0.0011	1	186	202	LGQSEPAPLQHNVNVYK	97	100		Mascot	
	1901.9908	1901.9904	-0.0004	0	75	92	GHAAPILYAAWAEAGYIK				Mascot	
	2114.1855	2114.187	0.0015	1	534	553	VIDPFTIKPLDASTIVASAR	145	100		Mascot	
	2114.1855	2114.187	0.0015	1	534	553	VIDPFTIKPLDASTIVASAR				Mascot	
	2175.1404	2175.1401	-0.0003	0	568	589	EGGLGEAVLSAVGEEPGI VVHR	208	100		Mascot	
	2175.1404	2175.1401	-0.0003	0	568	589	EGGLGEAVLSAVGEEPGI VVHR				Mascot	
	2294.1663	2294.1646	-0.0017	-1	475	494	TSRPDTAVIYNPEEKFEIGK				Mascot	
	2294.1663	2294.1646	-0.0017	-1	475	494	TSRPDTAVIYNPEEKFEIGK	29	65.921		Mascot	
	2432.1406	2432.1375	-0.0031	-1	362	382	YIECFIAEQNMVSVAIGCATR			Carbamidomethyl (C)[4,18]	Mascot	
	2432.1406	2432.1375	-0.0031	-1	362	382	YIECFIAEQNMVSVAIGCATR	181	100	Carbamidomethyl (C)[4,18]	Mascot	
	2448.1355	2448.1428	0.0073	3	362	382	YIECFIAEQNMVSVAIGCATR			Carbamidomethyl (C)[4,18], Oxidation (M)[11]	Mascot	
	2457.3096	2457.3127	0.0031	1	504	527	DQVTVIGAGVTLHEALAA HDQLAK				Mascot	
	2457.3096	2457.3127	0.0031	1	504	527	DQVTVIGAGVTLHEALAA HDQLAK	133	100		Mascot	
	2489.0747	2489.0876	0.0129	5	205	225	CEAFGFNTYVVDGHDVE ELCK			Carbamidomethyl (C)[1,20]	Mascot	
	2515.2319	2515.2405	0.0086	3	114	139	LAFVDVATGSLGQGLGA ACGMAYTGK			Carbamidomethyl (C)[19]	Mascot	
	2590.3398	2590.2161	-0.1237	-48	294	317	EDAPPADLSPIHLLTAPE YKLGDK				Mascot	
	3000.2307	3000.2456	0.0149	5	148	173	VYCMLGDGECSEGSVW EAMAFASHYK			Carbamidomethyl (C)[3,10], Oxidation (M)[4]	Mascot	
4	PREDICTED: calcium/calmodulin-dependent 3',5'-cyclic g 326681376						45655.3	5.68	11	50	53.402	nucleotide phosphodiesterase 1C-like, partial

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.5515	856.5234	-0.0281	-33	27	32	IWLRLR					Mascot
864.4429	864.4704	0.0275	32	104	110	QMGLMLR			Oxidation (M)[2]		Mascot
901.5651	901.5057	-0.0594	-66	33	40	GLLRCLVK					Mascot
1045.5823	1045.562	-0.0203	-19	37	44	CLVKQLER			Carbamidomethyl (C)[1]		Mascot
1062.5691	1062.6919	0.1228	116	112	119	TEEKPRFR					Mascot
1908.9185	1908.9324	0.0139	7	2	17	ESPTREIEEFENTSLK					Mascot

	1923.9368	1923.9685	0.0317	16	299	314	LLQDDDEMILYNLSK									Mascot
	2283.2634	2283.1833	-0.0801	-35	193	213	FKIPVSALVSFVEALEVG YSK									Mascot
	2306.134	2306.1567	0.0227	10	322	341	ALVVEMVLATDMSCHFQ QVK				Carbamidomethyl (C)[14]					Mascot
	2489.2002	2489.0876	-0.1126	-45	73	94	RLVDTEDELSDIQSDSVP SEVR									Mascot
	2590.2644	2590.2161	-0.0483	-19	276	298	SDAAILYNDRSVLESHHV SASYR									Mascot
5	purine nucleoside phosphorylase 5b [Danio rerio]					gi 52219108	32118.2	6.31	9	45	0					

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1151.5118	1151.6196	0.1078	94	79	88	GKPCVCMQGR			Carbamidomethyl (C)[4], Oxidation (M)[7]		Mascot
	1736.752	1736.8861	0.1341	77	159	172	FGVRFPMSDAYDR			Carbamidomethyl (C)[7], Oxidation (M)[8]		Mascot
	1893.986	1893.9828	-0.0032	-2	72	88	LVFGTLKGKPCVCMQGR			Carbamidomethyl (C)[11]		Mascot
	1894.0577	1893.9828	-0.0749	-40	25	44	APERPLVGIVCGSGLGGL AK					Mascot
	1999.9429	1999.9437	0.0008	0	193	211	DGVYSVLGGPSFETIAEC R					Mascot
	1999.9429	1999.9437	0.0008	0	193	211	DGVYSVLGGPSFETIAEC R					Mascot
	2113.9795	2114.187	0.2075	98	163	179	FPCMSDAYDRDLQQLVR			Carbamidomethyl (C)[3]		Mascot
	2113.9795	2114.187	0.2075	98	163	179	FPCMSDAYDRDLQQLVR			Carbamidomethyl (C)[3]		Mascot
	2207.1377	2207.1174	-0.0203	-9	109	129	LMGVETVILTNAAGGLNQ DFK			Oxidation (M)[2]		Mascot
	2293.2444	2293.0771	-0.1673	-73	212	233	ALRQLGADAVGMSTVHE VIVAR					Mascot
	2479.0969	2479.2808	0.1839	74	2	23	TPDSATGYSYEECTATA DWLLK			Carbamidomethyl (C)[13]		Mascot

6 novel protein [Danio rerio] gi|148725299 82126.8 6.15 13 45 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	901.4737	901.5057	0.032	35	75	81	ILQEENR					Mascot
	959.4614	959.5134	0.052	54	347	354	IPADCIDR			Carbamidomethyl (C)[5]		Mascot
	1045.5272	1045.562	0.0348	33	600	608	GLLTQQDDR					Mascot
	1062.5803	1062.6919	0.1116	105	442	449	FQIQQSRR					Mascot
	1210.6791	1210.5983	-0.0808	-67	382	391	EIIDHIKQSK					Mascot
	1436.7631	1436.7465	-0.0166	-12	609	620	DQSKEEIIAYIK					Mascot
	2114.0876	2114.187	0.0994	47	566	584	AAVDKALESENGHLDLYL R					Mascot
	2114.0876	2114.187	0.0994	47	566	584	AAVDKALESENGHLDLYL R					Mascot
	2136.072	2136.1672	0.0952	45	43	60	HKSFTDNLQSIFQNLESK					Mascot

2211.2092	2211.1079	-0.1013	-46	93	111	SIITEAALDLTLFFFLREMK							Mascot
2294.0864	2294.1646	0.0782	34	491	511	DCGIDVYKASVYSGMCT QILK							Mascot
2294.0864	2294.1646	0.0782	34	491	511	DCGIDVYKASVYSGMCT QILK							Mascot
2298.1812	2298.1887	0.0075	3	431	448	TLTQMYTHFLRFQIQQSR							Mascot
2306.1008	2306.1567	0.0559	24	480	498	NNLIFYESDLKDCGIDVY K				Carbamidomethyl (C)[13]			Mascot
2341.2188	2341.1233	-0.0955	-41	472	490	LAFQQLERNLIFYESDL K							Mascot

7 hypothetical protein LOC799147 [Danio rerio] gi|130487208 15157.6 7.64 6 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.477	842.5089	0.0319	38	124	130	KGSLFYK					Mascot
959.4879	959.5134	0.0255	27	1	8	MAAFNHLR					Mascot
2197.0991	2197.1208	0.0217	10	104	123	LGTCTKTVEYGLSSVTCH LK			Carbamidomethyl (C)[4]		Mascot
2207.2104	2207.1174	-0.093	-42	9	29	LVSLAVLMLASQLDFASA SVR			Oxidation (M)[8]		Mascot
2225.0081	2225.1235	0.1154	52	68	86	DNANPVWSAEFNPCK SK			Carbamidomethyl (C)[16]		Mascot
3000.645	3000.2456	-0.3994	-133	2	29	AAFNHLRLVSLAVLMLAS QLDFASASVR					Mascot

8 lghmbp2l protein [Danio rerio] gi|215539488 110340.2 9 14 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4389	882.5677	0.1288	146	393	400	CILAGDYK					Mascot
901.5464	901.5057	-0.0407	-45	850	857	SQSVKKPK					Mascot
996.4818	996.5963	0.1145	115	893	901	AESVCGFVK			Carbamidomethyl (C)[5]		Mascot
1210.5773	1210.5983	0.021	17	297	306	DMDKAFNEIK					Mascot
1436.7743	1436.7465	-0.0278	-19	944	957	ISKEGVLYAGSGQK					Mascot
1767.8879	1767.8112	-0.0767	-43	904	918	ASVLTGLQLCIYCNR			Carbamidomethyl (C)[10,13]		Mascot
1901.9425	1901.9904	0.0479	25	129	144	DGLYNLMKLANDVTYR			Oxidation (M)[7]		Mascot
1915.9364	1915.9589	0.0225	12	236	252	VLCCAPSNVAVDNLVER			Carbamidomethyl (C)[3,4]		Mascot
2114.1096	2114.187	0.0774	37	236	255	VLCCAPSNVAVDNLVERL AK					Mascot
2114.1096	2114.187	0.0774	37	236	255	VLCCAPSNVAVDNLVERL AK					Mascot
2136.051	2136.1672	0.1162	54	41	59	GVCLMKLQIGSQHTGMY GR			Carbamidomethyl (C)[3]		Mascot
2489.3721	2489.0876	-0.2845	-114	508	531	GNQGEVDIVALHIKALTE AGVQVK					Mascot

2515.167	2515.2405	0.0735	29	631	651	HGELRTAFEYLEDCAVQ NYTR	Mascot
2590.2375	2590.2161	-0.0214	-8	484	507	IPLLLVDTAGCGLNEMEN TDEQSK	Mascot
3338.6208	3338.7615	0.1407	42	868	901	AGATDIAAAANGDDDFD ALINAVVKAESVCGFVK	Mascot

9 RecName: Full=Eukaryotic translation initiation factor 3 subunit D; Short=eIF3d; AltName: Full=Euka gi|82187444 64049.5 6.06 11 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.3981	856.5234	0.1253	146	333	339	MGGERYK			Oxidation (M)[1]		Mascot
901.5352	901.5057	-0.0295	-33	421	429	GAVLATELK					Mascot
1103.6459	1103.5682	-0.0777	-70	509	517	YLILKDPNK					Mascot
1112.5082	1112.5077	-0.0005	0	27	35	DMPYQPFISK					Mascot
1354.6273	1354.7678	0.1405	104	42	53	VADWTGATYQDK					Mascot
1354.6273	1354.7678	0.1405	104	42	53	VADWTGATYQDK					Mascot
1707.9098	1707.776	-0.1338	-78	113	127	TLTQFNMQTLPSAK					Mascot
2233.1143	2233.0842	-0.0301	-13	438	457	WTCCAILAGSEYLKGYV SR					Mascot
2306.1023	2306.1567	0.0544	24	4	24	FHAPVIQDNPSGWGPCA VPEK			Carbamidomethyl (C)[16]		Mascot
2448.2129	2448.1428	-0.0701	-29	2	24	AKFHAPVIQDNPSGWGP CAVPEK					Mascot
2457.0408	2457.3127	0.2719	111	187	207	YMDVADPLDIECCGALEH YDK			Carbamidomethyl (C)[12]		Mascot
2457.2297	2457.3127	0.083	34	241	263	LAKTQGNVFATDAILATL MCCTR			Oxidation (M)[19]		Mascot

10 eukaryotic translation initiation factor 3, subunit 7 zeta [Danio rerio] gi|123230120 63850.4 6.06 11 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.3981	856.5234	0.1253	146	331	337	MGGERYK			Oxidation (M)[1]		Mascot
901.5352	901.5057	-0.0295	-33	419	427	GAVLATELK					Mascot
1103.6459	1103.5682	-0.0777	-70	507	515	YLILKDPNK					Mascot
1112.5082	1112.5077	-0.0005	0	27	35	DMPYQPFISK					Mascot
1354.6273	1354.7678	0.1405	104	42	53	VADWTGATYQDK					Mascot
1354.6273	1354.7678	0.1405	104	42	53	VADWTGATYQDK					Mascot
1707.9098	1707.776	-0.1338	-78	113	127	TLTQFNMQTLPSAK					Mascot
2233.1143	2233.0842	-0.0301	-13	436	455	WTCCAILAGSEYLKGYV SR					Mascot
2306.1023	2306.1567	0.0544	24	4	24	FHAPVIQDNPSGWGPCA			Carbamidomethyl (C)[16]		Mascot

	2448.2129	2448.1428	-0.0701	-29	2	24	VPEK AKFHAPVIQDNPSGWGP CAVPEK							Mascot
	2457.0408	2457.3127	0.2719	111	185	205	YMDVADPLDIECCGALEH YDK	Carbamidomethyl (C)[12]						Mascot
	2457.2297	2457.3127	0.083	34	239	261	LAKTQGNVFATDAILATL MCCTR	Oxidation (M)[19]						Mascot

11 PREDICTED: UDP-GlcNAc:betaGal
beta-1,3-N-acetylglucosaminyltransferase 2 [Danio
rerio] gi|125843963 48322.6 8.69 10 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.411	864.4704	0.0594	69	84	90	NGAFWNR					Mascot
1044.6047	1044.4929	-0.1118	-107	37	46	ITSVTASIPR					Mascot
1103.5215	1103.5682	0.0467	42	210	219	SSLDDPNLDK					Mascot
1165.5847	1165.7476	0.1629	140	193	202	EGEYDGLKVR					Mascot
1179.5753	1179.6022	0.0269	23	378	386	TFDIREQDR					Mascot
1354.6168	1354.7678	0.151	111	383	393	EQDRENPCVHK					Mascot
1354.6168	1354.7678	0.151	111	383	393	EQDRENPCVHK					Mascot
1436.6879	1436.7465	0.0586	41	112	123	FHCSPESFELLK					Mascot
1736.8763	1736.8861	0.0098	6	253	266	WMLGHCPRVSFIFK			Oxidation (M)[2]		Mascot
1751.9486	1751.814	-0.1346	-77	387	400	ENPCVHKHLLLVHR			Carbamidomethyl (C)[4]		Mascot
2457.3323	2457.3127	-0.0196	-8	5	25	YMKFLIVALASSLCFILFY SK					Mascot
2457.3323	2457.3127	-0.0196	-8	5	25	YMKFLIVALASSLCFILFY SK					Mascot

12 PREDICTED: protein NLRC3 isoform 1 [Danio rerio] gi|326667049 94863 6.12 13 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
901.4737	901.5057	0.032	35	135	141	ILQEENR					Mascot
959.4614	959.5134	0.052	54	407	414	IPADCIDR			Carbamidomethyl (C)[5]		Mascot
1045.5272	1045.562	0.0348	33	660	668	GLLTQQDDR					Mascot
1062.5803	1062.6919	0.1116	105	502	509	FQIQQSRR					Mascot
1210.6791	1210.5983	-0.0808	-67	442	451	EIIDHIKQSK					Mascot
1436.7631	1436.7465	-0.0166	-12	669	680	DQSKEEIIAYIK					Mascot
2114.0876	2114.187	0.0994	47	626	644	AAVDKALESENGHLDLYL R					Mascot
2114.0876	2114.187	0.0994	47	626	644	AAVDKALESENGHLDLYL R					Mascot
2136.072	2136.1672	0.0952	45	103	120	HKSFTDNLQSIFQNLESK					Mascot

2211.2092	2211.1079	-0.1013	-46	153	171	SIITEAALDLTLFFFLREMK							Mascot
2294.0864	2294.1646	0.0782	34	551	571	DCGIDVYKASVYSGMCT QILK							Mascot
2294.0864	2294.1646	0.0782	34	551	571	DCGIDVYKASVYSGMCT QILK							Mascot
2298.1812	2298.1887	0.0075	3	491	508	TLTQMYTHFLRFQIQQSR							Mascot
2306.1008	2306.1567	0.0559	24	540	558	NNLIFYESDLKDCGIDVY K				Carbamidomethyl (C)[13]			Mascot
2341.2188	2341.1233	-0.0955	-41	532	550	LAFQQLERNLIFYESDL K							Mascot

13 protein BTG3 [Danio rerio] gi|55925203 18115.1 5.85 6 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
901.5353	901.5057	-0.0296	-33	34	41	LTVALQEK					Mascot
1112.504	1112.5077	0.0037	3	75	84	ACAESGVQYK			Carbamidomethyl (C)[2]		Mascot
2096.978	2097.0769	0.0989	47	91	108	ELTLWVDPGEVCCRYGE K					Mascot
2211.0208	2211.1079	0.0871	39	91	108	ELTLWVDPGEVCCRYGE K			Carbamidomethyl (C)[12,13]		Mascot
2224.9412	2225.1235	0.1823	82	139	158	VTSDYHSGSSSDEDSML VHR			Oxidation (M)[16]		Mascot
2300.1414	2300.1807	0.0393	17	85	104	DLGLPKELTLWVDPGEV CCR			Carbamidomethyl (C)[18]		Mascot
2457.0688	2457.3127	0.2439	99	109	130	NHGFTVATFSSEDDDDK EDVTK					Mascot
2457.0688	2457.3127	0.2439	99	109	130	NHGFTVATFSSEDDDDK EDVTK					Mascot

14 SH3 domain-binding protein 4-A [Danio rerio] gi|45387913 104947.5 7.73 13 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5822	842.5089	-0.0733	-87	634	640	LIKTVIR					Mascot
850.4338	850.5435	0.1097	129	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.54	0.0674	77	1	7	MAHRIR			Oxidation (M)[1]		Mascot
1045.4796	1045.562	0.0824	79	762	770	AELDSEPER					Mascot
1210.679	1210.5983	-0.0807	-67	832	842	DLAEKLAHVSK					Mascot
1488.9624	1488.7856	-0.1768	-119	684	697	IGLVHVKNVLVLGK					Mascot
1488.9624	1488.7856	-0.1768	-119	684	697	IGLVHVKNVLVLGK					Mascot
1767.8074	1767.8112	0.0038	2	379	394	TESPMAEIVCVRSDCK					Mascot
2097.0137	2097.0769	0.0632	30	373	390	VSMTRTESPMAEIVCVR			Carbamidomethyl (C)[16], Oxidation (M)[4,11]		Mascot
2284.2368	2284.1746	-0.0622	-27	463	484	TVVAIFGHDCAPKTLVS EVGK					Mascot

	2300.0686	2300.1807	0.1121	49	568	587	DDQDCILAQFCVQTPQP PPK		Carbamidomethyl (C)[5]	Mascot	
	2341.2583	2341.1233	-0.135	-58	463	484	TVVAIFGHDCAPKTLVLS EVGK		Carbamidomethyl (C)[10]	Mascot	
	3000.4343	3000.2456	-0.1887	-63	500	524	HQFVLSRPQDLQIGMYS NMSNYEVK		Oxidation (M)[15]	Mascot	
	3337.6052	3337.7454	0.1402	42	269	298	LARSCHDLES LGQNP GW GQTQPVETNIVCK		Carbamidomethyl (C)[5]	Mascot	
	3338.5496	3338.7615	0.2119	63	856	884	TGMVDSEAMWKPAYDFL LTWAAQIGDSYR		Oxidation (M)[3]	Mascot	
15	PREDICTED: hypothetical protein LOC565734 [Danio rerio]					gi 68402113	30582.9	10.05	7	35	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1165.6324	1165.7476	0.1152	99	118	128	VSPNATHA QIK					Mascot
1436.7943	1436.7465	-0.0478	-33	80	91	HWCLLLRPV GSR					Mascot
1475.7634	1475.7533	-0.0101	-7	1	14	MAEVTG SVRNAV NK					Mascot
1902.0093	1901.9904	-0.0189	-10	20	36	TLLSLHHHPHGPV VDSR					Mascot
2284.0571	2284.1746	0.1175	51	41	60	KSNVCVHWCAADC VWA LHNK					Mascot
2341.0786	2341.1233	0.0447	19	41	60	KSNVCVHWCAADC VWA LHNK			Carbamidomethyl (C)[5]		Mascot
2448.3259	2448.1428	-0.1831	-75	15	36	LSAFKTL LSLHHHPHGPV VDSR					Mascot
2479.5107	2479.2808	-0.2299	-93	246	269	EQITGVSVILL LLLGGV IIN SLKS					Mascot

16 PREDICTED: protein NLRC3 isoform 2 [Danio rerio] gi|326667051 87403.4 6.43 12 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
901.4737	901.5057	0.032	35	126	132	ILQEENR					Mascot
959.4614	959.5134	0.052	54	398	405	IPADCIDR			Carbamidomethyl (C)[5]		Mascot
1045.5272	1045.562	0.0348	33	651	659	GLLTQQDDR					Mascot
1062.5803	1062.6919	0.1116	105	493	500	FQIQQSRR					Mascot
1210.6791	1210.5983	-0.0808	-67	433	442	EIIDHIKQSK					Mascot
1436.7631	1436.7465	-0.0166	-12	660	671	DQSKEEIIAYIK					Mascot
2114.0876	2114.187	0.0994	47	617	635	AAVDKALESENGHLDLYL R					Mascot
2114.0876	2114.187	0.0994	47	617	635	AAVDKALESENGHLDLYL R					Mascot
2211.2092	2211.1079	-0.1013	-46	144	162	SIITEAALDLTLFFLREMK					Mascot
2294.0864	2294.1646	0.0782	34	542	562	DCGIDVYKASVYSGMCT QILK					Mascot
2294.0864	2294.1646	0.0782	34	542	562	DCGIDVYKASVYSGMCT					Mascot

		2298.1812	2298.1887	0.0075	3	482	499	QILK TLTQMYTHFLRFQIQSR								Mascot
		2306.1008	2306.1567	0.0559	24	531	549	NNLIFYESDLKDCGIDVY K	Carbamidomethyl (C)[13]							Mascot
		2341.2188	2341.1233	-0.0955	-41	523	541	LAFQQLERNNLIFYESDL K								Mascot
17	hypothetical protein LOC100170820 [Danio rerio]						gi 194578801	15546.9	9.84	7	35	0				
Peptide Information																
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type	
		870.4614	870.54	0.0786	90	55	61	RNPPCVK				Carbamidomethyl (C)[5]		Mascot		
		1151.6089	1151.6196	0.0107	9	105	114	MNSTLSTLLR				Oxidation (M)[1]		Mascot		
		1179.5796	1179.6022	0.0226	19	2	10	QLNQKMMMR						Mascot		
		2136.0427	2136.1672	0.1245	58	7	24	MMMLRLAAIIVMSVMIMK				Oxidation (M)[1,2,3,12,15,17]		Mascot		
		2193.1553	2193.1125	-0.0428	-20	11	30	LAAIIVMSVMIMKTNGQ NR				Oxidation (M)[8,11]		Mascot		
		2294.1982	2294.1646	-0.0336	-15	85	104	IQELIISMEKMNSTVSTPL K				Oxidation (M)[8,11]		Mascot		
		2294.1982	2294.1646	-0.0336	-15	85	104	IQELIISMEKMNSTVSTPL K				Oxidation (M)[8,11]		Mascot		
		2457.2024	2457.3127	0.1103	45	115	138	INSTISTALQMNSTLSTPL STSSS				Oxidation (M)[11]		Mascot		
		2457.2024	2457.3127	0.1103	45	115	138	INSTISTALQMNSTLSTPL STSSS				Oxidation (M)[11]		Mascot		
18	hypothetical protein LOC567306 [Danio rerio]						gi 148540014	33418.2	5.53	9	35	0				
Peptide Information																
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type	
		1112.5524	1112.5077	-0.0447	-40	200	208	YGAKDHFFK						Mascot		
		1179.5385	1179.6022	0.0637	54	9	19	EAMAIMAEADK						Mascot		
		1436.676	1436.7465	0.0705	49	7	19	EKEAMAIMAEADK						Mascot		
		1542.7223	1542.8818	0.1595	103	141	153	AIAHYEQAADYYK						Mascot		
		1908.8289	1908.9324	0.1035	54	38	53	VEEACDMYVRAANMFK				Oxidation (M)[7,14]		Mascot		
		2000.0171	1999.9437	-0.0734	-37	57	74	NWNAAGDAFCKAALLHL K				Carbamidomethyl (C)[10]		Mascot		
		2000.0171	1999.9437	-0.0734	-37	57	74	NWNAAGDAFCKAALLHL K				Carbamidomethyl (C)[10]		Mascot		
		2157.0571	2157.1226	0.0655	30	246	264	KLLDAHDEQNIDAYADAV R						Mascot		
		2306.1025	2306.1567	0.0542	24	209	227	AALCHFCVDMLNCR LAV QK				Carbamidomethyl (C)[4,7,13]		Mascot		
		2457.0718	2457.3127	0.2409	98	204	222	DHFFKAALCHFCVDMLN CR				Carbamidomethyl (C)[9,12,18], Oxidation (M)[15]		Mascot		
		2457.0718	2457.3127	0.2409	98	204	222	DHFFKAALCHFCVDMLN CR				Carbamidomethyl (C)[9,12,18], Oxidation (M)[15]		Mascot		
19	DNA-binding protein SMUBP-2 [Danio rerio]						gi 120952590	110816.5	8.97	13	35	0				

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4389	882.5677	0.1288	146	393	400	CILAGDYK					Mascot
996.4818	996.5963	0.1145	115	897	905	AESVCGFVK			Carbamidomethyl (C)[5]		Mascot
1210.5773	1210.5983	0.021	17	297	306	DMDKAFNEIK					Mascot
1436.7743	1436.7465	-0.0278	-19	948	961	ISKEGVLYAGSGQK					Mascot
1767.8879	1767.8112	-0.0767	-43	908	922	ASVLTGLQLCIYCNR			Carbamidomethyl (C)[10,13]		Mascot
1901.9425	1901.9904	0.0479	25	129	144	DGLYNLMKLANDVTYR			Oxidation (M)[7]		Mascot
1915.9364	1915.9589	0.0225	12	236	252	VLCCAPSNVAVDNLVER			Carbamidomethyl (C)[3,4]		Mascot
2114.1096	2114.187	0.0774	37	236	255	VLCCAPSNVAVDNLVERLAK					Mascot
2114.1096	2114.187	0.0774	37	236	255	VLCCAPSNVAVDNLVERLAK					Mascot
2136.051	2136.1672	0.1162	54	41	59	GVCLMKLQIGSQHTGMYGR			Carbamidomethyl (C)[3]		Mascot
2489.3721	2489.0876	-0.2845	-114	508	531	GNQGEVDIVALHIKALTEAGVQVK					Mascot
2515.167	2515.2405	0.0735	29	631	651	HGELRTAFEYLEDCAVQNYTR					Mascot
2590.2375	2590.2161	-0.0214	-8	484	507	IPLLLVDTAGCGLNEMENTDEQSK					Mascot
3338.6208	3338.7615	0.1407	42	872	905	AGATDIAAAANGDDDFDALINAVVKAESVCGFVK					Mascot

20 PREDICTED: diacylglycerol kinase beta-like, partial [Danio rerio] gi|326674321 85995.9 6.78 12 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4229	842.5089	0.086	102	153	158	LEFMFR					Mascot
864.4032	864.4704	0.0672	78	455	462	SGPMPGYR					Mascot
901.5353	901.5057	-0.0296	-33	678	685	KTTIVDPK					Mascot
1045.4264	1045.562	0.1356	130	270	278	QGLCCSFCK			Carbamidomethyl (C)[4]		Mascot
1112.6497	1112.5077	-0.142	-128	112	121	LIKGSCPPLK			Carbamidomethyl (C)[6]		Mascot
1210.5455	1210.5983	0.0528	44	455	465	SGPMPGYRSCR					Mascot
1707.8007	1707.776	-0.0247	-14	534	547	DVQDSSEVMLDRWK					Mascot
2157.0005	2157.1226	0.1221	57	302	319	KNTEIMHHFWVEGNCPSK					Mascot
2283.2488	2283.1833	-0.0655	-29	115	135	GSCPPLKVTSQSRPLSTVQLK			Carbamidomethyl (C)[3]		Mascot
2284.0591	2284.1746	0.1155	51	153	171	LEFMFRLYDTDGNGFLDSK			Oxidation (M)[4]		Mascot
2432.0581	2432.1375	0.0794	33	303	322	NTEIMHHFWVEGNCPSKCDK			Carbamidomethyl (C)[14]		Mascot

	2432.0581	2432.1375	0.0794	33	303	322	NTEIMHHFWVEGNCPSK CDK		Carbamidomethyl (C)[14]	Mascot
	2448.053	2448.1428	0.0898	37	303	322	NTEIMHHFWVEGNCPSK CDK		Carbamidomethyl (C)[14], Oxidation (M)[5]	Mascot
	2479.3022	2479.2808	-0.0214	-9	248	269	LKHFSKPAYCNLCNMLI GLGK		Oxidation (M)[16]	Mascot
	2489.0796	2489.0876	0.008	3	303	322	NTEIMHHFWVEGNCPSK CDK		Carbamidomethyl (C)[14,18]	Mascot

21 PREDICTED: tetratricopeptide repeat protein 37-like
[Danio rerio] gi|292614103 173677.3 6.37 17 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.402	856.5234	0.1214	142	1242	1248	HSGEDRR					Mascot
864.4825	864.4704	-0.0121	-14	21	27	EFKEALK					Mascot
870.5519	870.54	-0.0119	-14	295	302	NIGLGLKR					Mascot
1103.5592	1103.5682	0.009	8	992	1000	KQATEAYHR					Mascot
1436.7896	1436.7465	-0.0431	-30	479	491	AAKLDPYLGSVFR					Mascot
1475.6761	1475.7533	0.0772	52	1024	1036	ALSDDGQWEEAVR					Mascot
1736.9734	1736.8861	-0.0873	-50	305	319	FSIIGWYNLALAQLK					Mascot
1901.9459	1901.9904	0.0445	23	728	745	AKVLVPGALCGMDPSDQ K			Carbamidomethyl (C)[10], Oxidation (M)[12]		Mascot
1908.8834	1908.9324	0.049	26	1020	1036	GYGRALSDDGQWEEAV R					Mascot
2000.0885	1999.9437	-0.1448	-72	1445	1463	LSLLALTPCLAGVGVS DW K			Carbamidomethyl (C)[9]		Mascot
2000.0885	1999.9437	-0.1448	-72	1445	1463	LSLLALTPCLAGVGVS DW K			Carbamidomethyl (C)[9]		Mascot
2157.145	2157.1226	-0.0224	-10	264	282	RLELDPNNSYAHFGLGI K					Mascot
2193.1218	2193.1125	-0.0093	-4	664	684	GLGECLLAKSALDDYL DGR					Mascot
2294.269	2294.1646	-0.1044	-46	1083	1103	AYILTALALIQHKLGSMDH AK					Mascot
2294.269	2294.1646	-0.1044	-46	1083	1103	AYILTALALIQHKLGSMDH AK					Mascot
2306.1379	2306.1567	0.0188	8	702	721	QRPDLSCLWKLGDSC T ASR			Carbamidomethyl (C)[7]		Mascot
2489.2751	2489.0876	-0.1875	-75	1158	1180	CLLTCTLLALQGNFSGVH REASR					Mascot
3000.5095	3000.2456	-0.2639	-88	940	966	SNRDS ELYLYNIVQMNAV SAAQVALSK			Oxidation (M)[15]		Mascot
3337.738	3337.7454	0.0074	2	1114	1145	EPVQESLQCLCALGLVH GDVTLASATVTELLK					Mascot

22 PREDICTED: dyslexia-associated protein
KIAA0319-like [Danio rerio] gi|326675082 112852.8 5 13 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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864.4243	864.4704	0.0461	53	534	540	VTMQDVR	Oxidation (M)[3]	Mascot
959.5156	959.5134	-0.0022	-2	150	157	RAEDIDLK		Mascot
1542.6741	1542.8818	0.2077	135	951	962	YTILDNMDEQER	Oxidation (M)[7]	Mascot
1707.7288	1707.776	0.0472	28	885	898	SCSCDPLWMENPIR	Carbamidomethyl (C)[2]	Mascot
1720.0004	1719.8544	-0.146	-85	798	813	QLAALLHVLDSDIALK		Mascot
1720.0004	1719.8544	-0.146	-85	798	813	QLAALLHVLDSDIALK		Mascot
1736.8499	1736.8861	0.0362	21	616	630	YQWDVMSGPPGLKMK		Mascot
1751.9802	1751.814	-0.1662	-95	827	843	FSVQGPDLIPGPKLAR		Mascot
1923.8146	1923.9685	0.1539	80	58	72	CYVLSQCQTENCQPK	Carbamidomethyl (C)[1,6,12]	Mascot
2097.126	2097.0769	-0.0491	-23	292	311	ALTVSIEGPVEAMLQN TVK		Mascot
2432.2766	2432.1375	-0.1391	-57	651	673	LTVVDEQGETDSAVLSIT VKEAK		Mascot
2432.2766	2432.1375	-0.1391	-57	651	673	LTVVDEQGETDSAVLSIT VKEAK		Mascot
2448.2881	2448.1428	-0.1453	-59	365	387	VIVKAHQAYGEGSVDLTV HPAEK		Mascot
2515.1592	2515.2405	0.0813	32	1	22	MISGQCWQAATYSESVV SPELR	Carbamidomethyl (C)[6], Oxidation (M)[1]	Mascot
3338.4485	3338.7615	0.313	94	29	57	VPDVSSLAQCAGACCDL PGCDLAWFFEHR	Carbamidomethyl (C)[10,14,15,20]	Mascot

23 PREDICTED: NACHT, LRR and PYD domains-containing protein 12 [Danio rerio] gi|292621731 149261.8 5.29 15 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4114	842.5089	0.0975	116	1214	1220	SNSEHLR					Mascot
864.5777	864.4704	-0.1073	-124	133	139	KILVVHR					Mascot
870.5593	870.54	-0.0193	-22	1011	1017	KLLPMIR					Mascot
901.5829	901.5057	-0.0772	-86	507	514	AIRTVLTK					Mascot
959.5156	959.5134	-0.0022	-2	872	880	AVNEALQSK					Mascot
1436.7744	1436.7465	-0.0279	-19	913	924	SIQNNKTVEYIK					Mascot
1488.7289	1488.7856	0.0567	38	375	388	SGDTKSDLSSVHQQ					Mascot
1488.7289	1488.7856	0.0567	38	375	388	SGDTKSDLSSVHQQ					Mascot
1916.0157	1915.9589	-0.0568	-30	1115	1132	LGDSVTLLSAVLEDPRCK					Mascot
2175.0896	2175.1401	0.0505	23	1250	1270	LGLSNCGLTDEGCAALAL ALR			Carbamidomethyl (C)[6,13]		Mascot
2175.0896	2175.1401	0.0505	23	1250	1270	LGLSNCGLTDEGCAALAL ALR			Carbamidomethyl (C)[6,13]		Mascot
2225.2839	2225.1235	-0.1604	-72	890	908	FLLGLSVESHQILLQRLM K					Mascot
2284.0181	2284.1746	0.1565	69	380	400	SDLSSVHQQKSTESESSC VSMR					Mascot
2300.0129	2300.1807	0.1678	73	380	400	SDLSSVHQQKSTESESSC			Oxidation (M)[20]		Mascot

	2341.0396	2341.1233	0.0837	36	380	400	VSMR SDLSSVHQKSTESSESSC VSMR	Carbamidomethyl (C)[17]					Mascot
	2448.2002	2448.1428	-0.0574	-23	414	435	SGDTETDLSHEALNTRFS NLLK						Mascot
	2460.2954	2460.1133	-0.1821	-74	537	556	ENQDVQLIFPLPFREINL MK	Oxidation (M)[19]					Mascot
	2479.0752	2479.2808	0.2056	83	277	297	KDFCSADQEELLETLDNY SCR						Mascot
	3338.6072	3338.7615	0.1543	46	780	809	ECGIDVAEALVYSGLCTQ IFREEFGLYQGK						Mascot
24	immunoglobulin heavy chain variable segment 9-2 [Danio rerio]					gi 56207380	12773.2	7.57	5	33	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1112.5847	1112.5077	-0.077	-69	28	38	SVNVAPGGFHK					Mascot
1751.8163	1751.814	-0.0023	-1	63	76	GLEWIIYYSDSDK					Mascot
2097.0435	2097.0769	0.0334	16	86	103	FTASKDSSNLYLHMNQL K					Mascot
2225.03	2225.1235	0.0935	42	39	57	LSCACSGFTLRSTNMYWI R			Oxidation (M)[15]		Mascot
2233.0811	2233.0842	0.0031	1	58	76	QAPGKGLEWIIYYSDSD K					Mascot

25	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 [Danio rerio]					gi 113195568	84856.6	6.17	11	32	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
901.5213	901.5057	-0.0156	-17	72	80	TVGGGQKVR					Mascot
996.4852	996.5963	0.1111	111	364	372	TMAVEACKK			Oxidation (M)[2]		Mascot
1044.5697	1044.4929	-0.0768	-74	341	349	HRSLFTGAR					Mascot
1436.738	1436.7465	0.0085	6	432	443	AEDYIDIVQSKR					Mascot
1475.673	1475.7533	0.0803	54	359	371	HDQARTMAVEACK			Oxidation (M)[7]		Mascot
1902.0331	1901.9904	-0.0427	-22	205	221	SQIFQNLNGAIEEVVLK					Mascot
2097.0222	2097.0769	0.0547	26	125	142	VVFSAEGFCWPDQRLAS K			Carbamidomethyl (C)[9]		Mascot
2136.2283	2136.1672	-0.0611	-29	1	19	MTPVPVILTVILAVIQPCR			Carbamidomethyl (C)[18], Oxidation (M)[1]		Mascot
2225.0344	2225.1235	0.0891	40	121	138	FSHRVVFSAEGFCWPDQ R			Carbamidomethyl (C)[13]		Mascot
2232.9973	2233.0842	0.0869	39	467	486	LAASVLYQQEGMDPDMS FCK					Mascot
2306.239	2306.1567	-0.0823	-36	205	224	SQIFQNLNGAIEEVVLKFE K					Mascot

26	PREDICTED: gastrula zinc finger protein XICGF57.1-like [Danio rerio]					gi 326667410	37299.3	9.21	9	32	0		
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Peptide Information									
	Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
	959.5091	959.5134	0.0043	4	313	320 KTLSSHMR			Mascot
	1354.6532	1354.7678	0.1146	85	314	325 TLSSHMRVHASE			Mascot
	1354.6532	1354.7678	0.1146	85	314	325 TLSSHMRVHASE			Mascot
	1488.7991	1488.7856	-0.0135	-9	140	152 SFVQQGV LKAHMK		Oxidation (M)[12]	Mascot
	1488.7991	1488.7856	-0.0135	-9	140	152 SFVQQGV LKAHMK		Oxidation (M)[12]	Mascot
	1542.8573	1542.8818	0.0245	16	196	208 SFVQQG L LKVHMR			Mascot
	1707.7577	1707.776	0.0183	11	265	279 THTGEKPFSCQQCGK		Carbamidomethyl (C)[10]	Mascot
	2097.0005	2097.0769	0.0764	36	293	310 VHTGEKLF TCQQCGVSF R		Carbamidomethyl (C)[10]	Mascot
	2196.9988	2197.1208	0.122	56	65	83 IHMTVHTGEKPFSCHECP K		Oxidation (M)[3]	Mascot
	2284.042	2284.1746	0.1326	58	149	167 AHMKTHTGEKPYICHEC GK		Carbamidomethyl (C)[14,17]	Mascot
	2300.0369	2300.1807	0.1438	63	149	167 AHMKTHTGEKPYICHEC GK		Carbamidomethyl (C)[14,17], Oxidation (M)[3]	Mascot
	2479.2043	2479.2808	0.0765	31	63	83 LKIHMTVHTGEKPFSCHEC PK		Carbamidomethyl (C)[16]	Mascot
27	PREDICTED: hypothetical protein LOC795590, partial [Danio rerio]				gi 326667578	34784.3	5.29	7	32 0

Peptide Information									
	Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
	842.4842	842.5089	0.0247	29	129	135 LNQALQR			Mascot
	996.5359	996.5963	0.0604	61	307	316 VLPPADAKDA			Mascot
	1767.8153	1767.8112	-0.0041	-2	8	23 LSEAQTQVSGWMGSMR			Mascot
	1923.9164	1923.9685	0.0521	27	8	24 LSEAQTQVSGWMGSMR R			Mascot
	2197.0842	2197.1208	0.0366	17	273	294 RSAALDSDAQAEATPP SVPSR			Mascot
	2460.1646	2460.1133	-0.0513	-21	2	23 QFLGSKLSEAQTQVSGW MGSMR		Oxidation (M)[18,21]	Mascot
	2479.1558	2479.2808	0.125	50	202	224 AALPALTEGTPDWRFC DSTDAK			Mascot
28	PREDICTED: NACTH, LRR and PYD domains-containing protein 12-like [Danio rerio]				gi 292610042	103784.1	7.26	13	32 0

Peptide Information									
	Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
	870.577	870.54	-0.037	-43	660	666 LEKLVLR			Mascot

	901.5829	901.5057	-0.0772	-86	92	99	AIRTVLTK						Mascot
	1044.5836	1044.4929	-0.0907	-87	865	872	ELNLKWNK						Mascot
	1179.6732	1179.6022	-0.071	-60	263	272	LADEIIQHLK						Mascot
	1475.8719	1475.7533	-0.1186	-80	903	915	SEVSVIVLLEFIK						Mascot
	1719.8507	1719.8544	0.0037	2	742	756	SNSSNLRELELSENK						Mascot
	1719.8507	1719.8544	0.0037	2	684	698	SNSSNLRELELSENK						Mascot
	1751.8236	1751.814	-0.0096	-5	667	683	CCGVSVEGCAALASVLR			Carbamidomethyl (C)[1,2]			Mascot
	2211.1047	2211.1079	0.0032	1	721	741	LWLGYCGVSDKGCAALA SALR			Carbamidomethyl (C)[6]			Mascot
	2233.1614	2233.0842	-0.0772	-35	663	683	LVLRCGVSVEGCAALA SVLR			Carbamidomethyl (C)[5,6]			Mascot
	2460.2954	2460.1133	-0.1821	-74	122	141	ENQDVQLIFLPPFREINL MK			Oxidation (M)[19]			Mascot
	2479.3037	2479.2808	-0.0229	-9	474	495	SNQTLLKNLLTQVGNISY SEEK						Mascot
	2489.2969	2489.0876	-0.2093	-84	309	328	TLTEMYTHFLIIQTSIRHE R						Mascot
	2515.2246	2515.2405	0.0159	6	70	91	STTEDTPIQCRDIFTALPG QHK			Carbamidomethyl (C)[10]			Mascot
29	immunoglobulin mu heavy chain [Danio rerio]				gi 51559357		23906.6	8.05	6	31	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4097	864.4704	0.0607	70	209	215	SDWIDTK					Mascot
1112.5847	1112.5077	-0.077	-69	28	38	SVNVAPGGFHK					Mascot
1751.8163	1751.814	-0.0023	-1	63	76	GLEWIIYYSDSDK					Mascot
2097.0435	2097.0769	0.0334	16	86	103	FTASKDSSNLYLHMNQL K					Mascot
2225.03	2225.1235	0.0935	42	39	57	LSCACSGFTLRSTNMYWI R			Oxidation (M)[15]		Mascot
2233.0811	2233.0842	0.0031	1	58	76	QAPGKGLEWIIYYSDSD K					Mascot

30 novel protein [Danio rerio] gi|220679564 9886.7 8.37 5 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4218	864.4704	0.0486	56	33	38	WLMVCR			Carbamidomethyl (C)[5]		Mascot
1103.5632	1103.5682	0.005	5	70	78	TAHANWYLK					Mascot
1736.8207	1736.8861	0.0654	38	24	38	SAVPGSSDRWLMVCR			Carbamidomethyl (C)[14], Oxidation (M)[12]		Mascot
2456.99	2457.3127	0.3227	131	2	23	IPEYSMSSAASSDMCPY MPVCR			Oxidation (M)[6,14]		Mascot
2456.99	2457.3127	0.3227	131	2	23	IPEYSMSSAASSDMCPY MPVCR			Oxidation (M)[6,14]		Mascot
3338.4255	3338.7615	0.336	101	2	32	IPEYSMSSAASSDMCPY			Carbamidomethyl (C)[15]		Mascot

31 replication factor C subunit 2 [Danio rerio] MPVCRSAVPGSSDR gi|61651808 38999 6.07 8 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.5294	996.5963	0.0669	67	180	187	CAVLRYSK			Carbamidomethyl (C)[1]		Mascot
1736.8557	1736.8861	0.0304	18	190	203	DEQIMMRLTEVVEK			Oxidation (M)[5]		Mascot
1893.8469	1893.9828	0.1359	72	260	275	SMLEHCNVANIDEAYK			Carbamidomethyl (C)[6]		Mascot
1893.8469	1893.9828	0.1359	72	260	275	SMLEHCNVANIDEAYK			Carbamidomethyl (C)[6]		Mascot
2114.0911	2114.187	0.0959	45	87	106	ALLGPAMKDAVLELNASNDR			Oxidation (M)[7]		Mascot
2114.0911	2114.187	0.0959	45	87	106	ALLGPAMKDAVLELNASNDR			Oxidation (M)[7]		Mascot
2157.1631	2157.1226	-0.0405	-19	322	341	VAEGVNSLLQMAGLLGR			Carbamidomethyl (C)[19]		Mascot
2175.1404	2175.1401	-0.0003	0	42	60	LNEIVGNEETVSRLEVFA					Mascot
2175.1404	2175.1401	-0.0003	0	42	60	LNEIVGNEETVSRLEVFA					Mascot
2341.1816	2341.1233	-0.0583	-25	130	150	HKIIILDEADSMTDGAQQALR			Oxidation (M)[12]		Mascot
2460.1824	2460.1133	-0.0691	-28	204	225	ENLHVTNDGLEAIFTAQGDMR			Oxidation (M)[21]		Mascot

32 novel protein with a Viral A-type inclusion protein repeat domain [Danio rerio] gi|169146304 27380.3 5.44 7 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
901.4988	901.5057	0.0069	8	182	189	AVEEVVQK					Mascot
1044.5796	1044.4929	-0.0867	-83	14	22	AELRAELSR					Mascot
1103.515	1103.5682	0.0532	48	224	233	QCHSLKTATD					Mascot
1488.7329	1488.7856	0.0527	35	2	13	ESELLIGWQEER					Mascot
1488.7805	1488.7856	0.0051	3	198	210	EVLTYGIGKEHSR					Mascot
1915.929	1915.9589	0.0299	16	101	116	CQALEQQAVGEERELR			Carbamidomethyl (C)[1]		Mascot
2157.1509	2157.1226	-0.0283	-13	137	155	LEEEQQRSLGLSEVSALLR					Mascot

33 PREDICTED: Kv channel-interacting protein 4-like [Danio rerio] gi|326663989 23863.6 4.71 6 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.5257	850.5435	0.0178	21	148	154	SIHPRLK					Mascot

1062.5942	1062.6919	0.0977	92	36	43	QELQLLYR							Mascot
1915.9214	1915.9589	0.0375	20	132	147	EEMLDIMKSIYDLMGK							Mascot
2113.9268	2114.187	0.2602	123	2	18	RLNTYNEDEEQESTTER							Mascot
2114.0049	2114.187	0.1821	86	19	35	YHPENLEQLQSQTHFSR							Mascot
2294.1697	2294.1646	-0.0051	-2	88	107	DKNGSLSFEEVLCDLSVL				Carbamidomethyl (C)[13]			Mascot
2294.1697	2294.1646	-0.0051	-2	88	107	DKNGSLSFEEVLCDLSVL				Carbamidomethyl (C)[13]			Mascot
34	RecName: Full=SH3 domain-binding protein 4-A gi 123888628 108383 7.89 13 30 0												

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5822	842.5089	-0.0733	-87	663	669	LIKTVIR					Mascot
850.4338	850.5435	0.1097	129	387	393	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.54	0.0674	77	1	7	MAHRIR			Oxidation (M)[1]		Mascot
1045.4796	1045.562	0.0824	79	791	799	AELDSEPER					Mascot
1210.679	1210.5983	-0.0807	-67	861	871	DLAEKLAHVSK					Mascot
1488.9624	1488.7856	-0.1768	-119	713	726	IGLVHVKNVLVLGK					Mascot
1488.9624	1488.7856	-0.1768	-119	713	726	IGLVHVKNVLVLGK					Mascot
1767.8074	1767.8112	0.0038	2	408	423	TESPMAEIVCVRSDCK					Mascot
2097.0137	2097.0769	0.0632	30	402	419	VSMTRTESPMAEIVCVR			Carbamidomethyl (C)[16], Oxidation (M)[4,11]		Mascot
2284.2368	2284.1746	-0.0622	-27	492	513	TVVAIFGHDCAPKTLVSEVGK					Mascot
2300.0686	2300.1807	0.1121	49	597	616	DDQDCILAFQCVQTPQP			Carbamidomethyl (C)[5]		Mascot
2341.2583	2341.1233	-0.135	-58	492	513	TVVAIFGHDCAPKTLVSEVGK			Carbamidomethyl (C)[10]		Mascot
3000.4343	3000.2456	-0.1887	-63	529	553	HQFVLSRPQDLQIGMYS			Oxidation (M)[15]		Mascot
3337.6052	3337.7454	0.1402	42	298	327	LARSCHDLESLGQNPWG			Carbamidomethyl (C)[5]		Mascot
3338.5496	3338.7615	0.2119	63	885	913	GQTQPVETNIVCK			Oxidation (M)[3]		Mascot
						TGMVDSEAMWKPAYDFL					
						LTWAAQIGDSYR					

35 stromal interaction molecule 1b [Danio rerio] gi|321400099 72493.8 6.03 11 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4076	842.5089	0.1013	120	555	561	KSFGMEK			Oxidation (M)[5]		Mascot
901.4849	901.5057	0.0208	23	289	295	EEAQRLR					Mascot
959.4801	959.5134	0.0333	35	233	240	DHMGKMIK					Mascot
1051.5643	1051.7111	0.1468	140	175	183	IPDRSHAQK					Mascot

	1062.536	1062.6919	0.1559	147	274	281	VNLEREMR					Oxidation (M)[7]	Mascot
	1179.5674	1179.6022	0.0348	30	279	288	EMRSEIEAAK					Oxidation (M)[2]	Mascot
	1751.942	1751.814	-0.128	-73	9	21	HFIYITWLGFLWR						Mascot
	2196.9487	2197.1208	0.1721	78	608	629	SLVDEDNGSTGEDTEGS GSGRK						Mascot
	2224.9548	2225.1235	0.1687	76	607	628	RSLVDEDNGSTGEDTEG SGSGR						Mascot
	2341.011	2341.1233	0.1123	48	508	528	DLNRSESDSSLSMSQYG DGHR						Mascot
	3000.5586	3000.2456	-0.313	-104	207	232	DLMLVVSIIIGVGGCWFA YIQNRNYR						Mascot
36	LOC565764 protein [Danio rerio]				gi 112418812		25782.2	5.2	6	30	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4355	864.4704	0.0349	40	77	83	RSMDSIR					Mascot
882.4389	882.5677	0.1288	146	11	17	LEAMFQK			Oxidation (M)[4]		Mascot
901.4988	901.5057	0.0069	8	222	230	GLVSLLAND					Mascot
1112.5293	1112.5077	-0.0216	-19	2	10	LFNMETVDK			Oxidation (M)[4]		Mascot
1767.8694	1767.8112	-0.0582	-33	61	76	HAALCAQVEEIAAEQK			Carbamidomethyl (C)[5]		Mascot
1923.9705	1923.9685	-0.002	-1	61	77	HAALCAQVEEIAAEQKR			Carbamidomethyl (C)[5]		Mascot

37	Syf2 protein [Danio rerio]				gi 60688494		28206.2	7.68	6	30	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.4468	870.54	0.0932	107	217	223	AERFYGK					Mascot
1436.6686	1436.7465	0.0779	54	172	183	DSINRMVDDVEK			Oxidation (M)[6]		Mascot
1736.8888	1736.8861	-0.0027	-2	133	146	LTKQIKPDMEYNEK					Mascot
1999.8992	1999.9437	0.0445	22	196	212	AYNDDADIDYINERNAK					Mascot
1999.8992	1999.9437	0.0445	22	196	212	AYNDDADIDYINERNAK					Mascot
2197.042	2197.1208	0.0788	36	114	132	NPDPGFSGYAEALRQY QR					Mascot
2590.1514	2590.2161	0.0647	25	149	171	EDCGEDFHPTSNLSIYGT HVPSK			Carbamidomethyl (C)[3]		Mascot

38	PREDICTED: si:dkey-170m15.2 [Danio rerio]				gi 292624792		132327.3	7.37	14	30	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.472	864.4704	-0.0016	-2	41	47	RTSMLTR					Mascot

996.5182	996.5963	0.0781	78	75	83	DCPLVAPPK	Carbamidomethyl (C)[2]	Mascot
1045.516	1045.562	0.046	44	98	106	QTNITDEPK		Mascot
1103.6167	1103.5682	-0.0485	-44	1159	1168	TTVVQQSGRK		Mascot
1165.6034	1165.7476	0.1442	124	440	449	FCEQAVTIVR		Mascot
1707.8846	1707.776	-0.1086	-64	436	449	ESLRFCEQAVTIVR	Carbamidomethyl (C)[6]	Mascot
1751.8157	1751.814	-0.0017	-1	583	597	TLQEMWASVESDVEK		Mascot
1767.8105	1767.8112	0.0007	0	583	597	TLQEMWASVESDVEK	Oxidation (M)[5]	Mascot
1908.7925	1908.9324	0.1399	73	1104	1119	QMETCIGFQDTMDAYR		Mascot
2096.8835	2097.0769	0.1934	92	1103	1119	RQMETCIGFQDTMDAYR	Oxidation (M)[3,13]	Mascot
2196.9358	2197.1208	0.185	84	1104	1121	QMETCIGFQDTMDAYRQ K	Oxidation (M)[2,12]	Mascot
2207.1865	2207.1174	-0.0691	-31	399	418	HVLQVHTNASLAVHLHLC SK		Mascot
2283.1875	2283.1833	-0.0042	-2	663	682	MFSPIPVCILHVINNDTLE K		Mascot
2460.281	2460.1133	-0.1677	-68	107	127	EPPVQKPEQFIEVSSPFI NFK		Mascot
2489.2605	2489.0876	-0.1729	-69	804	827	GHVIIPVYCFLASNGSSV AQAEAR		Mascot

39 follistatin-like 1b [Danio rerio] gi|88900441 35185.6 5.16 8 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.4315	870.54	0.1085	125	296	302	HQETVEK					Mascot
1210.5455	1210.5983	0.0528	44	29	39	VCANVFCGAGR			Carbamidomethyl (C)[2,7]		Mascot
1908.9419	1908.9324	-0.0095	-5	81	98	DACLTGLKIQVAHDGHCK					Mascot
2196.9392	2197.1208	0.1816	83	40	58	ECAVNEKGEPSCLCIEQC K			Carbamidomethyl (C)[2,12]		Mascot
2225.0947	2225.1235	0.0288	13	212	230	LSFDEFLNCLKPGFSPPE K			Carbamidomethyl (C)[9]		Mascot
2299.9661	2300.1807	0.2146	93	270	288	TPVFDTEGDQEMTEEEW TR					Mascot
2460.0288	2460.1133	0.0845	34	231	251	KCALEDETYEDGAETQV ECNR			Carbamidomethyl (C)[2]		Mascot
3000.4424	3000.2456	-0.1968	-66	1	26	MMFRCLPVFFLLAVVCC HAEQEAQSK					Mascot

40 PREDICTED: transposon TX1 uncharacterized 149 kDa gi|326664772 131122 9.55 15 29 0
protein-like [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5499	1045.562	0.0121	12	913	921	CPVAFNLPK			Carbamidomethyl (C)[1]		Mascot
1051.5935	1051.7111	0.1176	112	824	831	FFLLNLER					Mascot

	1062.667	1062.6919	0.0249	23	537	545	LFTKILATR						Mascot
	1103.5448	1103.5682	0.0234	21	1002	1011	AVMHSRGMAK			Oxidation (M)[3]			Mascot
	1475.8251	1475.7533	-0.0718	-49	168	180	LDKTSVLLQGMVR			Oxidation (M)[11]			Mascot
	1488.639	1488.7856	0.1466	98	195	207	EEGFTWFSGDGTR						Mascot
	1488.8573	1488.7856	-0.0717	-48	602	613	ISHQFLFKVLEK						Mascot
	1736.8734	1736.8861	0.0127	7	343	357	EVKNEMSVLSEIQSK			Oxidation (M)[6]			Mascot
	1751.7871	1751.814	0.0269	15	766	782	FDEEGGGGGNWTDLLG K						Mascot
	2097.1086	2097.0769	-0.0317	-15	957	975	EQVSRVPGLTLGEAQQA WK						Mascot
	2193.177	2193.1125	-0.0645	-29	1	19	MSFTHILLMALTISTINVR			Oxidation (M)[1,9]			Mascot
	2207.0366	2207.1174	0.0808	37	1008	1027	GMAKTSICPRPGCSSPE TVR			Carbamidomethyl (C)[8,13], Oxidation (M)[2]			Mascot
	2225.051	2225.1235	0.0725	33	546	565	MSMVLEDVIHPDQACAV PGR			Carbamidomethyl (C)[15]			Mascot
	2300.1445	2300.1807	0.0362	16	327	345	YFNLLNEGLDFNDEIKEV K						Mascot
	2341.1821	2341.1233	-0.0588	-25	324	342	LQRYFNLLNEGLDFNDEI K						Mascot
41	PREDICTED: collagen alpha-1(XXI) chain-like [Danio rerio]					gi 292629362	17314.5	9.43	5	29	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1112.4248	1112.5077	0.0829	75	32	39	SCEHCYTR			Carbamidomethyl (C)[2,5]		Mascot
1165.651	1165.7476	0.0966	83	71	82	GLPGRPGVPGMK					Mascot
2300.2468	2300.1807	-0.0661	-29	12	31	DILRSEIPALLSSQHSQH R					Mascot
2460.0676	2460.1133	0.0457	19	138	160	GQSGEPGQPGVCHPAM CYGAMIR			Carbamidomethyl (C)[12,17]		Mascot
2515.1716	2515.2405	0.0689	27	32	55	SCEHCYTRVGPPGPVGT PGPHGPR			Carbamidomethyl (C)[2]		Mascot

42 zinc finger CCHC domain-containing protein 9 [Danio rerio] gi|38198649 28388.1 9.59 7 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1103.4431	1103.5682	0.1251	113	113	121	SNMICFNCR			Oxidation (M)[3]		Mascot
1475.6478	1475.7533	0.1055	71	147	158	CGSTEHEIQRCR			Carbamidomethyl (C)[1]		Mascot
1751.7952	1751.814	0.0188	11	142	156	GICYRCGSTEHEIQR					Mascot
1915.9984	1915.9589	-0.0395	-21	228	244	LSNRISADHEDVHVPVK					Mascot
2196.9397	2197.1208	0.1811	82	122	141	KPGHGLADCPEANNDEE MGR			Carbamidomethyl (C)[9]		Mascot
3000.3687	3000.2456	-0.1231	-41	202	227	VCGSVEHFQKDCPEHQN			Carbamidomethyl (C)[2,12]		Mascot

3338.3862 3338.7615 0.3753 112 113 141 STNSITLGR
 SNMICFNCRKPGHGLAD
 CPEANNDEEMGR
 Carbamidomethyl (C)[5,8], Oxidation (M)[3] Mascot
 43 novel protein similar to vertebrate complement component (3d/Epstein Barr virus) receptor 2 (CR2) [gi|157885951 53513.7 6.77 10 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.5039	856.5234	0.0195	23	441	447	KIFSPHK					Mascot
996.5407	996.5963	0.0556	56	94	102	LRHGVCSPK					Mascot
1179.496	1179.6022	0.1062	90	147	156	TCRDGGWDNR					Mascot
1210.6136	1210.5983	-0.0153	-13	256	266	ITFSCIGDGLK			Carbamidomethyl (C)[5]		Mascot
2207.0298	2207.1174	0.0876	40	269	287	GQREITCQSNQWSSPF PK			Carbamidomethyl (C)[7]		Mascot
2224.9883	2225.1235	0.1352	61	224	242	CVEATCPLNTTMEDLNIE R			Carbamidomethyl (C)[1], Oxidation (M)[12]		Mascot
2341.0652	2341.1233	0.0581	25	203	223	LEGESEITCQINGEWSSS FPK					Mascot
2448.0771	2448.1428	0.0657	27	60	81	DSYNPGDTIDFTCQHGFT SSKK					Mascot
2460.0046	2460.1133	0.1087	44	131	149	YICNEGYQMMTQTDTRT CR			Carbamidomethyl (C)[3,18], Oxidation (M)[9,10]		Mascot
3000.3899	3000.2456	-0.1443	-48	407	433	NGEWTGNIYCLNPCSVT LDTMNEKGIK					Mascot

44 guanine nucleotide binding protein (G protein), beta polypeptide 1, like [Danio rerio] gi|47087315 37279 5.6 7 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1751.8315	1751.814	-0.0175	-10	135	150	VSRELAGHTGYLSCCR					Mascot
1908.9636	1908.9324	-0.0312	-16	198	214	LFVSGACDASAKLWDIR			Carbamidomethyl (C)[7]		Mascot
1915.9542	1915.9589	0.0047	2	24	42	ACADATLSQITANIDPVG R					Mascot
2157.032	2157.1226	0.0906	42	284	301	LLLAGYDDFNCNVWDTL K			Carbamidomethyl (C)[11]		Mascot
2432.1108	2432.1375	0.0267	11	315	337	VSCLGVTDDGMAVATGS WDSFLK			Carbamidomethyl (C)[3], Oxidation (M)[11]		Mascot
2432.1108	2432.1375	0.0267	11	315	337	VSCLGVTDDGMAVATGS WDSFLK			Carbamidomethyl (C)[3], Oxidation (M)[11]		Mascot
2457.1868	2457.3127	0.1259	51	281	301	SGRLLLAGYDDFNCNVW DTLK			Carbamidomethyl (C)[14]		Mascot
2457.1868	2457.3127	0.1259	51	281	301	SGRLLLAGYDDFNCNVW DTLK			Carbamidomethyl (C)[14]		Mascot
2460.2334	2460.1133	-0.1201	-49	24	46	ACADATLSQITANIDPVG RIQMR			Oxidation (M)[22]		Mascot

45 novel protein similar to vertebrate protein kinase C, theta (PRKCQ) [Danio rerio] gi|55962227 81064.5 7.59 12 29 0

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type	
	850.4781	850.5435	0.0654	77	31	37 GQVYKQK				Mascot	
	856.5362	856.5234	-0.0128	-15	623	630 LGVKGNIR				Mascot	
	901.4737	901.5057	0.032	35	529	536 ENIGEAR				Mascot	
	1045.5459	1045.562	0.0161	15	272	281 VANLCGVNQK				Mascot	
	1751.9227	1751.814	-0.1087	-62	372	385 EHHKFTIDSFILHK				Mascot	
	2113.9199	2114.187	0.2671	126	415	431 DVVLMDDDVECTMVERR			Carbamidomethyl (C)[11], Oxidation (M)[5,13]	Mascot	
	2113.9607	2114.187	0.2263	107	658	675 SANDCSNFDKEFINEKPR				Mascot	
	2157.0334	2157.1226	0.0892	41	38	55 RPTMYPPWSSTFDAHVH K				Mascot	
	2192.9602	2193.1125	0.1523	69	154	172 CHEFTATFFPQPTFCSVC K				Mascot	
	2197.2161	2197.1208	-0.0953	-43	92	109 LEIWVELKPKGRLLMEAR			Oxidation (M)[15]	Mascot	
	2284.0989	2284.1746	0.0757	33	537	556 TCTFCGTPDYIAPELLGQ K			Carbamidomethyl (C)[2,5]	Mascot	
	3337.5266	3337.7454	0.2188	66	154	180 CHEFTATFFPQPTFCSVC KEFVWGLNK			Carbamidomethyl (C)[1,15,18]	Mascot	
46	novel protein similar to vertebrate N-ethylmaleimide-sensitive factor attachment protein, alpha (NA)				gi 123233194		33390.2	5.53	8	28	0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1112.5524	1112.5077	-0.0447	-40	200	208	YGAKDHFFK					Mascot
1179.5385	1179.6022	0.0637	54	9	19	EAMAIMAEADK					Mascot
1436.676	1436.7465	0.0705	49	7	19	EKEAMAIMAEADK					Mascot
1542.7223	1542.8818	0.1595	103	141	153	AIAHYEQAADYYK					Mascot
1908.8289	1908.9324	0.1035	54	38	53	VEEACDMYVRAANMFK			Oxidation (M)[7, 14]		Mascot
2000.0171	1999.9437	-0.0734	-37	57	74	NWNAAGDAFCKAALLHLK			Carbamidomethyl (C)[10]		Mascot
2000.0171	1999.9437	-0.0734	-37	57	74	NWNAAGDAFCKAALLHLK			Carbamidomethyl (C)[10]		Mascot
2157.0571	2157.1226	0.0655	30	246	264	KLLDAHDEQNIDAYADAVR					Mascot
2294.0911	2294.1646	0.0735	32	209	227	AALCHFCVDMLNCKLAVQK			Carbamidomethyl (C)[4, 7, 13], Oxidation (M)[10]		Mascot
2294.0911	2294.1646	0.0735	32	209	227	AALCHFCVDMLNCKLAVQK			Carbamidomethyl (C)[4, 7, 13], Oxidation (M)[10]		Mascot
47	plexin b2b [Danio rerio]			gi 309243104		203041.6	6.62	17	28	0	

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End Sequence	Ion	C. I. %	Modification	Rank Result Type

												Seq.	Seq.	Score				
	850.4206	850.5435	0.1229	145	213	218	YLHDFR										Mascot	
	870.4791	870.54	0.0609	70	1699	1705	TEHKLSR										Mascot	
	996.522	996.5963	0.0743	75	369	376	HDKDIVNR										Mascot	
	1044.5684	1044.4929	-0.0755	-72	890	899	SGVVEIEVGR										Mascot	
	1051.5717	1051.7111	0.1394	133	479	487	VPVQACHLK										Mascot	
	1103.5626	1103.5682	0.0056	5	857	866	NITVAGVNCR										Mascot	
	1436.6144	1436.7465	0.1321	92	783	794	EDCSLCKNADPK										Mascot	
	1542.8196	1542.8818	0.0622	40	1585	1597	SMTKAITEIYLTR										Mascot	
	1719.8041	1719.8544	0.0503	29	72	87	DAKGCTPPVSTCQDLK										Mascot	
	1719.8041	1719.8544	0.0503	29	72	87	DAKGCTPPVSTCQDLK										Mascot	
	1901.8889	1901.9904	0.1015	53	1000	1016	AAFQFSNNPSVSDHQPR										Mascot	
	1908.9056	1908.9324	0.0268	14	1374	1388	MLSNWMSICLYQYLK										Mascot	
	2136.1235	2136.1672	0.0437	20	908	925	TVQFTYRDPVPLSVFPNR										Mascot	
	2192.991	2193.1125	0.1215	55	75	94	GCTPPVSTCQDLKDTNN TNK										Mascot	
	2300.0752	2300.1807	0.1055	46	286	305	ELAQVMTDSGEYGTIKE WDK										Mascot	
	2460.2036	2460.1133	-0.0903	-37	306	328	VLFFVASSEEGATESALC MYPLK										Mascot	
	2590.1946	2590.2161	0.0215	8	767	789	IDSSLNVTLYNCSLGRED CSLCK										Mascot	
	3337.5974	3337.7454	0.148	44	1086	1113	TFVQLDNLQMELTPFAYY PNPTFDELSK										Mascot	
48	Mios protein [Danio rerio]				gi 45767831			26550.6	8.45	8	28	0						
Peptide Information																		
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank	Result	Type			
	1151.5295	1151.6196	0.0901	78	137	146	SKVTSCPGCR					Carbamidomethyl (C)[6,9]		Mascot				
	1210.5674	1210.5983	0.0309	26	60	68	VQCWIENYR							Mascot				
	1436.5603	1436.7465	0.1862	130	212	224	DHSECPVSACTCK					Carbamidomethyl (C)[5]		Mascot				
	1736.783	1736.8861	0.1031	59	225	240	CMQLDTTGNLVPSDSV					Carbamidomethyl (C)[1]		Mascot				
	2136.0444	2136.1672	0.1228	57	60	75	VQCWIENYRNLLDAWR					Carbamidomethyl (C)[3]		Mascot				
	2156.9265	2157.1226	0.1961	91	152	171	CALCLMNMGTPVSSCPG TGK					Carbamidomethyl (C)[1,4,15], Oxidation (M)[6]		Mascot				
	2197.0779	2197.1208	0.0429	20	90	109	LDPSSKPLAQVFVSCNFC GK					Carbamidomethyl (C)[15]		Mascot				
	2225.094	2225.1235	0.0295	13	36	56	TGDVQTASFCLKGSPG EVLK					Carbamidomethyl (C)[10]		Mascot				
49	fizzy/cell division cycle 20 related 1 (Drosophila) [Danio rerio]				gi 169146644			9957.9	9.25	4	28	0						

Peptide Information													
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type		
1112.479		1112.5077	0.0287	26	1	8	MDQDYERR				Mascot		
1488.7112		1488.7856	0.0744	50	12	24	QINVQNDNTSPMK				Mascot		
1488.7112		1488.7856	0.0744	50	12	24	QINVQNDNTSPMK				Mascot		
1999.9733		1999.9437	-0.0296	-15	55	71	AGANWSINFHRINENEK				Mascot		
1999.9733		1999.9437	-0.0296	-15	55	71	AGANWSINFHRINENEK				Mascot		
2207.1377		2207.1174	-0.0203	-9	25	45	AKDVICHLTPTPESPLSS PSK				Mascot		
50	PREDICTED: zinc finger protein 217-like [Danio rerio]					gi 326679281	105874.2	9.01	1	15	0		
Peptide Information													
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type		
1354.7438		1354.7678	0.024	18	741	752	GRELDATNLLPR	15	0		3 Mascot		
Gel Idx/Pos		191/H18				Instr./Gel Origin		BA2060/110707A		Process Status			
Plate [#] Name		[1] 31496				Instrument Sample Name				Spectra			
										Analysis Succeeded			
										11			
Rank	Protein Name					Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Tkt protein [Danio rerio]					gi 182890016	67962.5	6.79	25	1,310	100	1117	100
Peptide Information													
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type	
864.421		864.4503	0.0293	34	57	63	YKADDPR					Mascot	
959.5156		959.5182	0.0026	3	93	100	ESDLLNLR					Mascot	
1076.4717		1076.4761	0.0044	4	347	355	NSTFADMFK			Oxidation (M)[7]		Mascot	
1103.5731		1103.575	0.0019	2	559	567	VITVEDHYK					Mascot	
1112.5081		1112.5112	0.0031	3	226	234	YMWEAEGVK					Mascot	
1128.5031		1128.5063	0.0032	3	226	234	YMWEAEGVK			Oxidation (M)[2]		Mascot	
1354.7689		1354.7754	0.0065	5	174	185	LDNLVAILDVNR	111	100			Mascot	
1354.7689		1354.7754	0.0065	5	174	185	LDNLVAILDVNR					Mascot	
1436.738		1436.7466	0.0086	6	101	113	KIDSDLEGHPTPK					Mascot	
1488.7845		1488.7906	0.0061	4	385	398	TVSFASTFAAFLAR	118	100			Mascot	
1488.7845		1488.7906	0.0061	4	385	398	TVSFASTFAAFLAR					Mascot	
1719.8547		1719.859	0.0043	3	475	489	TSRPDTAVIYNPEEK					Mascot	

1719.8547	1719.859	0.0043	3	475	489	TSRPDTAVIYNPEEK	59	99.97		Mascot
1736.8887	1736.8944	0.0057	3	598	613	SGKPQELLDMPGISAK			Oxidation (M)[10]	Mascot
1751.817	1751.8234	0.0064	4	252	266	GIEDQDNWHGKMPK				Mascot
1767.8119	1767.8188	0.0069	4	252	266	GIEDQDNWHGKMPK			Oxidation (M)[13]	Mascot
1893.9817	1893.9885	0.0068	4	186	202	LGQSEPAPLQHNVNYYK				Mascot
1893.9817	1893.9885	0.0068	4	186	202	LGQSEPAPLQHNVNYYK	95	100		Mascot
1901.9908	1901.9963	0.0055	3	75	92	GHAAPILYAAWAEAGYIK				Mascot
1999.943	1999.9485	0.0055	3	442	459	AIPTCTVFYPSDGVSTER			Carbamidomethyl (C)[5]	Mascot
1999.943	1999.9485	0.0055	3	442	459	AIPTCTVFYPSDGVSTER	135	100	Carbamidomethyl (C)[5]	Mascot
2114.1855	2114.1943	0.0088	4	534	553	VIDPFTIKPLDASTIVASA R	148	100		Mascot
2114.1855	2114.1943	0.0088	4	534	553	VIDPFTIKPLDASTIVASA R				Mascot
2175.1404	2175.1472	0.0068	3	568	589	EGGLGEAVLSAVGEEPGI VVHR	216	100		Mascot
2175.1404	2175.1472	0.0068	3	568	589	EGGLGEAVLSAVGEEPGI VVHR				Mascot
2294.1663	2294.1719	0.0056	2	475	494	TSRPDTAVIYNPEEKFEIG K				Mascot
2294.1663	2294.1719	0.0056	2	475	494	TSRPDTAVIYNPEEKFEIG K	52	99.858		Mascot
2432.1406	2432.1443	0.0037	2	362	382	YIECFIAEQNMVSAIGCA TR			Carbamidomethyl (C)[4,18]	Mascot
2432.1406	2432.1443	0.0037	2	362	382	YIECFIAEQNMVSAIGCA TR	182	100	Carbamidomethyl (C)[4,18]	Mascot
2448.1355	2448.1497	0.0142	6	362	382	YIECFIAEQNMVSAIGCA TR			Carbamidomethyl (C)[4,18], Oxidation (M)[11]	Mascot
2448.1355	2448.1497	0.0142	6	362	382	YIECFIAEQNMVSAIGCA TR	50	99.764	Carbamidomethyl (C)[4,18], Oxidation (M)[11]	Mascot
2457.3096	2457.3203	0.0107	4	504	527	DQVTVIGAGVTLHEALAA HDQLAK				Mascot
2459.1006	2459.1106	0.01	4	205	225	CVAFGFNTYVVDGHDVE ELCK			Carbamidomethyl (C)[1,20]	Mascot
2515.2319	2515.2476	0.0157	6	114	139	LAFVDVATGSLGQGLGA ACGMAYTGK			Carbamidomethyl (C)[19]	Mascot
2531.2268	2531.2427	0.0159	6	114	139	LAFVDVATGSLGQGLGA ACGMAYTGK			Carbamidomethyl (C)[19], Oxidation (M)[21]	Mascot
2984.2358	2984.2456	0.0098	3	148	173	VYCMLGDGECSEGSVW EAMAFASHYK			Carbamidomethyl (C)[3,10]	Mascot
3000.2307	3000.2488	0.0181	6	148	173	VYCMLGDGECSEGSVW EAMAFASHYK			Carbamidomethyl (C)[3,10], Oxidation (M)[4]	Mascot
3103.6423	3103.6494	0.0071	2	267	293	DRAEELINDLLSQIQSPN KPLYPQPPK				Mascot
3287.4158	3287.4243	0.0085	3	28	56	QTCASNSGHPTSCCSAA ELMSVLFFHTMR			Carbamidomethyl (C)[3,13,14]	Mascot
3303.4109	3303.4224	0.0115	3	28	56	QTCASNSGHPTSCCSAA ELMSVLFFHTMR			Carbamidomethyl (C)[3,13,14], Oxidation (M)[20]	Mascot
3319.4058	3319.4426	0.0368	11	28	56	QTCASNSGHPTSCCSAA ELMSVLFFHTMR			Carbamidomethyl (C)[3,13,14], Oxidation (M)[20,28]	Mascot
3891.8132	3891.8274	0.0142	4	405	441	MAAISQSNVNLVGSCHG VSIGEDGPSQMALEDLA MFR			Carbamidomethyl (C)[16]	Mascot
3907.8081	3907.8484	0.0403	10	405	441	MAAISQSNVNLVGSCHG VSIGEDGPSQMALEDLA			Carbamidomethyl (C)[16], Oxidation (M)[1]	Mascot

2

transketolase-like protein 2 [Danio rerio]

MFR

gi|186288308

67795.3

6.81

23

1,280

100

1114

100

Peptide Information										Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification		
901.5101	901.5096	-0.0005	-1	93	100	ASDLLNLR					Mascot
1076.4717	1076.4761	0.0044	4	347	355	NSTFADMFK			Oxidation (M)[7]		Mascot
1103.5731	1103.575	0.0019	2	559	567	VITVEDHYK					Mascot
1354.7689	1354.7754	0.0065	5	174	185	LDNLVAILDVNR	111	100			Mascot
1354.7689	1354.7754	0.0065	5	174	185	LDNLVAILDVNR					Mascot
1436.738	1436.7466	0.0086	6	101	113	KIDSDLEGHPTPK					Mascot
1488.7845	1488.7906	0.0061	4	385	398	TVSFASTFAAFLAR	118	100			Mascot
1488.7845	1488.7906	0.0061	4	385	398	TVSFASTFAAFLAR					Mascot
1719.8547	1719.859	0.0043	3	475	489	TSRPDTAVIYNPEEK					Mascot
1719.8547	1719.859	0.0043	3	475	489	TSRPDTAVIYNPEEK	59	99.97			Mascot
1736.8887	1736.8944	0.0057	3	598	613	SGKPQELDMFGISAK			Oxidation (M)[10]		Mascot
1751.817	1751.8234	0.0064	4	252	266	GIEDQDNWHGKMPK					Mascot
1767.8119	1767.8188	0.0069	4	252	266	GIEDQDNWHGKMPK			Oxidation (M)[13]		Mascot
1893.9817	1893.9885	0.0068	4	186	202	LGQSEPAPLQHNVNVYK					Mascot
1893.9817	1893.9885	0.0068	4	186	202	LGQSEPAPLQHNVNVYK	95	100			Mascot
1901.9908	1901.9963	0.0055	3	75	92	GHAAPILYAAWAEAGYIK					Mascot
1999.943	1999.9485	0.0055	3	442	459	AIPTCTVFYPSDGVSTER			Carbamidomethyl (C)[5]		Mascot
1999.943	1999.9485	0.0055	3	442	459	AIPTCTVFYPSDGVSTER	135	100	Carbamidomethyl (C)[5]		Mascot
2114.1855	2114.1943	0.0088	4	534	553	VIDPFTIKPLDASTIVASAR	148	100			Mascot
2114.1855	2114.1943	0.0088	4	534	553	VIDPFTIKPLDASTIVASAR					Mascot
2175.1404	2175.1472	0.0068	3	568	589	EGGLGEAVLSAVGEEPGI VVHR	216	100			Mascot
2175.1404	2175.1472	0.0068	3	568	589	EGGLGEAVLSAVGEEPGI VVHR					Mascot
2294.1663	2294.1719	0.0056	2	475	494	TSRPDTAVIYNPEEKFEIGK					Mascot
2294.1663	2294.1719	0.0056	2	475	494	TSRPDTAVIYNPEEKFEIGK	52	99.858			Mascot
2432.1406	2432.1443	0.0037	2	362	382	YIECFIAEQNMVSVAIGCATR			Carbamidomethyl (C)[4,18]		Mascot
2432.1406	2432.1443	0.0037	2	362	382	YIECFIAEQNMVSVAIGCATR	182	100	Carbamidomethyl (C)[4,18]		Mascot
2448.1355	2448.1497	0.0142	6	362	382	YIECFIAEQNMVSVAIGCATR			Carbamidomethyl (C)[4,18], Oxidation (M)[11]		Mascot
2448.1355	2448.1497	0.0142	6	362	382	YIECFIAEQNMVSVAIGCATR	50	99.764	Carbamidomethyl (C)[4,18], Oxidation (M)[11]		Mascot
2457.3096	2457.3203	0.0107	4	504	527	DQVTVIGAGVTLHEALAAHDQLAK					Mascot

2489.0747	2489.0869	0.0122	5	205	225	CEAFGFNTYVVDGHDVE ELCK	Carbamidomethyl (C)[1,20]	Mascot
2515.2319	2515.2476	0.0157	6	114	139	LAFVDVATGSLGQGLGA ACGMAYTGK	Carbamidomethyl (C)[19]	Mascot
2531.2268	2531.2427	0.0159	6	114	139	LAFVDVATGSLGQGLGA ACGMAYTGK	Carbamidomethyl (C)[19], Oxidation (M)[21]	Mascot
2984.2358	2984.2456	0.0098	3	148	173	VYCMLGDGECSEGSVW EAMAFASHYK	Carbamidomethyl (C)[3,10]	Mascot
3000.2307	3000.2488	0.0181	6	148	173	VYCMLGDGECSEGSVW EAMAFASHYK	Carbamidomethyl (C)[3,10], Oxidation (M)[4]	Mascot
3103.6423	3103.6494	0.0071	2	267	293	DRAEELINDLLSQIQSPN KPLYPQPPK		Mascot
3287.4158	3287.4243	0.0085	3	28	56	QTCASNSGHPTSCCSAA ELMSVLFFHTMR	Carbamidomethyl (C)[3,13,14]	Mascot
3303.4109	3303.4224	0.0115	3	28	56	QTCASNSGHPTSCCSAA ELMSVLFFHTMR	Carbamidomethyl (C)[3,13,14], Oxidation (M)[20]	Mascot
3319.4058	3319.4426	0.0368	11	28	56	QTCASNSGHPTSCCSAA ELMSVLFFHTMR	Carbamidomethyl (C)[3,13,14], Oxidation (M)[20,28]	Mascot
3891.8132	3891.8274	0.0142	4	405	441	MAAISQSNVNLVGSHCG VSIGEDGPSQMALEDLA MFR	Carbamidomethyl (C)[16]	Mascot
3907.8081	3907.8484	0.0403	10	405	441	MAAISQSNVNLVGSHCG VSIGEDGPSQMALEDLA MFR	Carbamidomethyl (C)[16], Oxidation (M)[1]	Mascot

3 transketolase [Danio rerio] gi|31872040 67811.3 6.81 22 1,140 100 978 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
901.5101	901.5096	-0.0005	-1	93	100	ASDLLNLR					Mascot
1076.4717	1076.4761	0.0044	4	347	355	NSTFADMFK			Oxidation (M)[7]		Mascot
1103.5731	1103.575	0.0019	2	559	567	VITVEDHYK					Mascot
1354.7689	1354.7754	0.0065	5	174	185	LDNLVAILDVNR	111	100			Mascot
1354.7689	1354.7754	0.0065	5	174	185	LDNLVAILDVNR					Mascot
1436.738	1436.7466	0.0086	6	101	113	KIDSDLEGHPTPK					Mascot
1488.7845	1488.7906	0.0061	4	385	398	TVSFASTFAAFLAR	118	100			Mascot
1488.7845	1488.7906	0.0061	4	385	398	TVSFASTFAAFLAR					Mascot
1719.8547	1719.859	0.0043	3	475	489	TSRPDTAVIYNPEEK					Mascot
1719.8547	1719.859	0.0043	3	475	489	TSRPDTAVIYNPEEK	59	99.97			Mascot
1736.8887	1736.8944	0.0057	3	598	613	SGKPQELLDMFGISAK			Oxidation (M)[10]		Mascot
1751.817	1751.8234	0.0064	4	252	266	GIEDQDNWHGKPMMPK					Mascot
1767.8119	1767.8188	0.0069	4	252	266	GIEDQDNWHGKPMMPK			Oxidation (M)[13]		Mascot
1893.9817	1893.9885	0.0068	4	186	202	LGQSEPAPLQHNVNVYK					Mascot
1893.9817	1893.9885	0.0068	4	186	202	LGQSEPAPLQHNVNVYK	95	100			Mascot
1901.9908	1901.9963	0.0055	3	75	92	GHAAPILYAAWAEAGYIK					Mascot
2114.1855	2114.1943	0.0088	4	534	553	VIDPFTIKPLDASTIVASAR	148	100			Mascot

2114.1855	2114.1943	0.0088	4	534	553	VIDPFTIKPLDASTIVASAR							Mascot
2175.1404	2175.1472	0.0068	3	568	589	EGGLGEAVLSAVGEEPGI VVHR	216	100					Mascot
2175.1404	2175.1472	0.0068	3	568	589	EGGLGEAVLSAVGEEPGI VVHR							Mascot
2294.1663	2294.1719	0.0056	2	475	494	TSRPDTAVIYNPEEKFEIG K							Mascot
2294.1663	2294.1719	0.0056	2	475	494	TSRPDTAVIYNPEEKFEIG K	52	99.858					Mascot
2432.1406	2432.1443	0.0037	2	362	382	YIECFIAEQNMVSVAIGCA TR			Carbamidomethyl (C)[4,18]				Mascot
2432.1406	2432.1443	0.0037	2	362	382	YIECFIAEQNMVSVAIGCA TR	182	100	Carbamidomethyl (C)[4,18]				Mascot
2448.1355	2448.1497	0.0142	6	362	382	YIECFIAEQNMVSVAIGCA TR			Carbamidomethyl (C)[4,18], Oxidation (M)[11]				Mascot
2448.1355	2448.1497	0.0142	6	362	382	YIECFIAEQNMVSVAIGCA TR	50	99.764	Carbamidomethyl (C)[4,18], Oxidation (M)[11]				Mascot
2457.3096	2457.3203	0.0107	4	504	527	DQVTVIGAGVTLHEALAA HDQLAK							Mascot
2489.0747	2489.0869	0.0122	5	205	225	CEAFGFNTYVVDGHDVE ELCK			Carbamidomethyl (C)[1,20]				Mascot
2515.2319	2515.2476	0.0157	6	114	139	LAFVDVATGSLGQGLGA ACGMAYTGK			Carbamidomethyl (C)[19]				Mascot
2531.2268	2531.2427	0.0159	6	114	139	LAFVDVATGSLGQGLGA ACGMAYTGK			Carbamidomethyl (C)[19], Oxidation (M)[21]				Mascot
2984.2358	2984.2456	0.0098	3	148	173	VYCMLGDGECSEGSVW EAMAFASHYK			Carbamidomethyl (C)[3,10]				Mascot
3000.2307	3000.2488	0.0181	6	148	173	VYCMLGDGECSEGSVW EAMAFASHYK			Carbamidomethyl (C)[3,10], Oxidation (M)[4]				Mascot
3103.6423	3103.6494	0.0071	2	267	293	DRAEELINDLLSQIQSPN KPLYPQPPK							Mascot
3287.4158	3287.4243	0.0085	3	28	56	QTCASNSGHPTSCCSAA ELMSVLFFHTMR			Carbamidomethyl (C)[3,13,14]				Mascot
3303.4109	3303.4224	0.0115	3	28	56	QTCASNSGHPTSCCSAA ELMSVLFFHTMR			Carbamidomethyl (C)[3,13,14], Oxidation (M)[20]				Mascot
3319.4058	3319.4426	0.0368	11	28	56	QTCASNSGHPTSCCSAA ELMSVLFFHTMR			Carbamidomethyl (C)[3,13,14], Oxidation (M)[20,28]				Mascot
3891.8132	3891.8274	0.0142	4	405	441	MAAISQSNVNLVGSCHG VSIGEDGPSQMALEDLA MFR			Carbamidomethyl (C)[16]				Mascot
3907.8081	3907.8484	0.0403	10	405	441	MAAISQSNVNLVGSCHG VSIGEDGPSQMALEDLA MFR			Carbamidomethyl (C)[16], Oxidation (M)[1]				Mascot
4	PREDICTED: NACHT, LRR and PYD domains-containing protein 12 [Danio rerio]				gi 292621731	149261.8	5.29	15	36	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4114	842.5123	0.1009	120	1214	1220	SNSEHLR					Mascot
864.5777	864.4503	-0.1274	-147	133	139	KILVVHR					Mascot
901.5829	901.5096	-0.0733	-81	507	514	AIRTVLTK					Mascot
959.5156	959.5182	0.0026	3	872	880	AVNEALQSK					Mascot
1076.5007	1076.4761	-0.0246	-23	741	748	HQKDYEEK					Mascot

1436.7744	1436.7466	-0.0278	-19	913	924	SIQNNKTVEYIK					Mascot
1488.7289	1488.7906	0.0617	41	375	388	SGDTKSDLSSVHQK					Mascot
1488.7289	1488.7906	0.0617	41	375	388	SGDTKSDLSSVHQK					Mascot
1916.0157	1915.9642	-0.0515	-27	1115	1132	LGDSVTLLSAVLEDPRCK					Mascot
2175.0896	2175.1472	0.0576	26	1250	1270	LGLSNCGLTDEGCAALALALR	Carbamidomethyl (C)[6,13]				Mascot
2175.0896	2175.1472	0.0576	26	1250	1270	LGLSNCGLTDEGCAALALALR	Carbamidomethyl (C)[6,13]				Mascot
2225.2839	2225.126	-0.1579	-71	890	908	FLLGLSVESHQILLQRLMK					Mascot
2284.0181	2284.1846	0.1665	73	380	400	SDLSSVHQKSTESESSCVSMR					Mascot
2341.0396	2341.1333	0.0937	40	380	400	SDLSSVHQKSTESESSCVSMR	Carbamidomethyl (C)[17]				Mascot
2357.0344	2357.1387	0.1043	44	380	400	SDLSSVHQKSTESESSCVSMR	Carbamidomethyl (C)[17], Oxidation (M)[20]				Mascot
2448.2002	2448.1497	-0.0505	-21	414	435	SGDTETDLSHEALNTFRSNLLK					Mascot
2448.2002	2448.1497	-0.0505	-21	414	435	SGDTETDLSHEALNTFRSNLLK					Mascot
2459.2744	2459.1106	-0.1638	-67	1247	1270	LERLGLSNCGLTDEGCAALALALR					Mascot
2479.0752	2479.3013	0.2261	91	277	297	KDFCSADQEELLETLTDNYSCR					Mascot
3338.6072	3338.7676	0.1604	48	780	809	ECGIDVAEALVYSGLCTQIFREEFGLYQGK					Mascot

5 vitellogenin 2 isoform 2 [Danio rerio] gi|160333705 93050.4 8.22 12 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4702	850.5433	0.0731	86	750	756	MKLESVK			Oxidation (M)[1]		Mascot
864.3945	864.4503	0.0558	65	612	618	KDEESEK					Mascot
1112.5769	1112.5112	-0.0657	-59	322	330	TLTKMEAFR			Oxidation (M)[5]		Mascot
1909.1117	1908.9408	-0.1709	-90	251	269	TTASALPIGVQVDAILALR					Mascot
1951.9187	1951.9611	0.0424	22	692	708	IQVADWMKGQTCGLCGK			Carbamidomethyl (C)[12,15]		Mascot
2233.2446	2233.0996	-0.145	-65	171	191	IATIPALREVVMLGYGSMIAK					Mascot
2294.3706	2294.1719	-0.1987	-87	278	297	LVQPVALQLVLERALHPELR					Mascot
2294.3706	2294.1719	-0.1987	-87	278	297	LVQPVALQLVLERALHPELR					Mascot
2298.1655	2298.1902	0.0247	11	298	318	MVACILLFETKPSVAAMSSSR			Carbamidomethyl (C)[4]		Mascot
2457.3235	2457.3203	-0.0032	-1	619	640	THLNVKLVDIDIDLYTLGTDAK					Mascot
2479.2974	2479.3013	0.0039	2	1	22	MMEATQSLVFVEFEKAPVVPVK					Mascot
3000.4878	3000.2488	-0.239	-80	586	611	NEMPISCYQVLAQDCTSELKVFALLK			Carbamidomethyl (C)[7]		Mascot
3891.77	3891.8274	0.0574	15	715	749	QEYTTSPGYLLESSVSFA					Mascot

6 protein BTG3 [Danio rerio] HSWVLPAESCRNASQCR gi|55925203 18115.1 5.85 6 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
901.5353	901.5096	-0.0257	-29	34	41	LTVALQEK					Mascot
1112.504	1112.5112	0.0072	6	75	84	ACAESGVQYK			Carbamidomethyl (C)[2]		Mascot
2211.0208	2211.1123	0.0915	41	91	108	ELTLWVDPGEVCCRYGEK			Carbamidomethyl (C)[12,13]		Mascot
2224.9412	2225.126	0.1848	83	139	158	VTSDYHSGSSSDEDSMLVHR			Oxidation (M)[16]		Mascot
2357.1628	2357.1387	-0.0241	-10	85	104	DLGLPKELTLWVDPGEVCCR			Carbamidomethyl (C)[18,19]		Mascot
2457.0688	2457.3203	0.2515	102	109	130	NHGFTVATFSEDDDDKEDVTK					Mascot

7 Ighmbp2l protein [Danio rerio] gi|215539488 110340.2 9 13 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4389	882.5708	0.1319	149	393	400	CILAGDYK					Mascot
901.5464	901.5096	-0.0368	-41	850	857	SQSVKKPK					Mascot
996.4818	996.6025	0.1207	121	893	901	AESVCGFVK			Carbamidomethyl (C)[5]		Mascot
1210.5773	1210.6035	0.0262	22	297	306	DMDKAFNEIK					Mascot
1436.7743	1436.7466	-0.0277	-19	944	957	ISKEGVLYAGSGQK					Mascot
1767.8879	1767.8188	-0.0691	-39	904	918	ASVLTGLQLCIYCNR			Carbamidomethyl (C)[10,13]		Mascot
1901.9425	1901.9963	0.0538	28	129	144	DGLYNLMKLANDVTYR			Oxidation (M)[7]		Mascot
1915.9364	1915.9642	0.0278	15	236	252	VLCCAPSNVAVDNLVER			Carbamidomethyl (C)[3,4]		Mascot
2114.1096	2114.1943	0.0847	40	236	255	VLCCAPSNVAVDNLVERLAK					Mascot
2114.1096	2114.1943	0.0847	40	236	255	VLCCAPSNVAVDNLVERLAK					Mascot
2136.051	2136.1777	0.1267	59	41	59	GVCLMKLQIGSQHTGMYGR			Carbamidomethyl (C)[3]		Mascot
2489.3721	2489.0869	-0.2852	-115	508	531	GNQGEVDIVALHIKALTEAGVQVK					Mascot
2515.167	2515.2476	0.0806	32	631	651	HGELRTAFEYLEDCAVQNYTR					Mascot
3338.6208	3338.7676	0.1468	44	868	901	AGATDIAAAANGDDDDFDALINAVVKAESVCGFVK					Mascot

8 hypothetical protein LOC799147 [Danio rerio] gi|130487208 15157.6 7.64 5 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	842.477	842.5123	0.0353	42	124	130	KGSLFYK						Mascot
	959.4879	959.5182	0.0303	32	1	8	MAAFNHRLR						Mascot
	2197.0991	2197.1292	0.0301	14	104	123	LGCTCTKTEYGLSSVTCH LK			Carbamidomethyl (C)[4]			Mascot
	2225.0081	2225.126	0.1179	53	68	86	DNANPVWSAEFNPNC SK			Carbamidomethyl (C)[16]			Mascot
	3000.645	3000.2488	-0.3962	-132	2	29	AAFNHLRLVSLAVLMLAS QLDFASASVR						Mascot
9	si:ch1073-126c3.2 [Danio rerio]				gi 221307488		24754.2	6.97	6	32	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	864.4243	864.4503	0.026	30	1	8	MESATIGR					Mascot
	1128.5242	1128.5063	-0.0179	-16	134	143	LFEECSTATK					Mascot
	1951.9277	1951.9611	0.0334	17	204	221	VETTESESTKLLCGNINN					Mascot
	2211.0295	2211.1123	0.0828	37	114	131	IYCKPMCNAGYDFNFLRR					Mascot
	2284.0459	2284.1846	0.1387	61	114	131	IYCKPMCNAGYDFNFLRR			Carbamidomethyl (C)[3], Oxidation (M)[6]		Mascot
	2298.0503	2298.1902	0.1399	61	112	130	DKIYCKPMCNAGYDFNFL R					Mascot
	2341.0674	2341.1333	0.0659	28	114	131	IYCKPMCNAGYDFNFLRR			Carbamidomethyl (C)[3,7], Oxidation (M)[6]		Mascot
	2448.2625	2448.1497	-0.1128	-46	89	111	LLPENCPAPAVPENGGLL CLSVK			Carbamidomethyl (C)[6,19]		Mascot
	2448.2625	2448.1497	-0.1128	-46	89	111	LLPENCPAPAVPENGGLL CLSVK			Carbamidomethyl (C)[6,19]		Mascot

10 stromal interaction molecule 1b [Danio rerio] gi|321400099 72493.8 6.03 10 32 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	842.4076	842.5123	0.1047	124	555	561	KSFGMEK			Oxidation (M)[5]		Mascot
	901.4849	901.5096	0.0247	27	289	295	EEAQRLR					Mascot
	959.4801	959.5182	0.0381	40	233	240	DHMGKMIK					Mascot
	1051.5643	1051.7158	0.1515	144	175	183	IPDRSHAQK					Mascot
	1128.6735	1128.5063	-0.1672	-148	408	418	KALGEVTAALR					Mascot
	1751.942	1751.8234	-0.1186	-68	9	21	HFIYITWLGFLWR					Mascot
	2196.9487	2197.1292	0.1805	82	608	629	SLVDEDNGSTGEDTEGS GSGRK					Mascot
	2224.9548	2225.126	0.1712	77	607	628	RSLVDEDNGSTGEDTEG SGSGR					Mascot
	2341.011	2341.1333	0.1223	52	508	528	DLNRSESDSSLSMSQYG DGHK					Mascot
	2357.0059	2357.1387	0.1328	56	508	528	DLNRSESDSSLSMSQYG DGHK			Oxidation (M)[13]		Mascot
	3000.5586	3000.2488	-0.3098	-103	207	232	DLMLVVSIIGVGGCWFA					Mascot

11 novel protein [Danio rerio] YIQNRNYR gi|148725299 82126.8 6.15 11 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
901.4737	901.5096	0.0359	40	75	81	ILQEENR					Mascot
959.4614	959.5182	0.0568	59	347	354	IPADCIDR			Carbamidomethyl (C)[5]		Mascot
1045.5272	1045.5662	0.039	37	600	608	GLLTQQDDR					Mascot
1210.6791	1210.6035	-0.0756	-62	382	391	EIIDHIKQSK					Mascot
1436.7631	1436.7466	-0.0165	-11	609	620	DQSKEEIIAYIK					Mascot
2114.0876	2114.1943	0.1067	50	566	584	AAVDKALESENGHLDLYL R					Mascot
2114.0876	2114.1943	0.1067	50	566	584	AAVDKALESENGHLDLYL R					Mascot
2136.072	2136.1777	0.1057	49	43	60	HKSFTDNLQSIFQNLESK					Mascot
2211.2092	2211.1123	-0.0969	-44	93	111	SIITEAALDLTLFFLREMK					Mascot
2294.0864	2294.1719	0.0855	37	491	511	DCGIDVYKASVYSGMCT QILK					Mascot
2294.0864	2294.1719	0.0855	37	491	511	DCGIDVYKASVYSGMCT QILK					Mascot
2298.1812	2298.1902	0.009	4	431	448	TLTQMYTHFLRFQIQSR					Mascot
2341.2188	2341.1333	-0.0855	-37	472	490	LAFQQLERNLIFYESDL K					Mascot

12 ryanodine receptor 1 [Danio rerio] gi|156523287 574386.1 5.03 30 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4155	842.5123	0.0968	115	313	319	QSAFSFR					Mascot
864.4495	864.4503	0.0008	1	4197	4204	IEIMGASK			Oxidation (M)[4]		Mascot
901.4962	901.5096	0.0134	15	2264	2270	ISRQNQR					Mascot
1045.5425	1045.5662	0.0237	23	2665	2672	LLTNHYER					Mascot
1051.5605	1051.7158	0.1553	148	2522	2530	ASMLVFLDR					Mascot
1076.5106	1076.4761	-0.0345	-32	1861	1869	EEGEEVKEK					Mascot
1112.5768	1112.5112	-0.0656	-59	3966	3975	NFSKAMTVAK			Oxidation (M)[6]		Mascot
1128.5432	1128.5063	-0.0369	-33	4766	4774	YGDIYGRER					Mascot
1354.6606	1354.7754	0.1148	85	2458	2469	CAPEMHLIQAGK			Carbamidomethyl (C)[1]		Mascot
1354.6606	1354.7754	0.1148	85	2458	2469	CAPEMHLIQAGK			Carbamidomethyl (C)[1]		Mascot
1436.5884	1436.7466	0.1582	110	3500	3514	AGDGEGGGSDDDRDK					Mascot
1488.7904	1488.7906	0.0002	0	164	177	VGDDLILVSVSSER	7		0		Mascot

1488.7904	1488.7906	0.0002	0	164	177	VGDDLILVSVSSER		Mascot
1542.8573	1542.8898	0.0325	21	2635	2646	YLRPSMLQHLLR	Oxidation (M)[6]	Mascot
1719.8768	1719.859	-0.0178	-10	2620	2634	AQRDVIEDCLMSLVK		Mascot
1719.8768	1719.859	-0.0178	-10	2620	2634	AQRDVIEDCLMSLVK		Mascot
1751.7554	1751.8234	0.068	39	2424	2437	RFMFGGEDQHEENR		Mascot
1767.7504	1767.8188	0.0684	39	2424	2437	RFMFGGEDQHEENR	Oxidation (M)[3]	Mascot
1893.8977	1893.9885	0.0908	48	2793	2808	IQNNWTYGEVLDENAK		Mascot
1893.8977	1893.9885	0.0908	48	2793	2808	IQNNWTYGEVLDENAK		Mascot
1923.9932	1923.9712	-0.022	-11	3649	3664	AVVACFRMTPLYNIPR	Carbamidomethyl (C)[5], Oxidation (M)[8]	Mascot
1952.0092	1951.9611	-0.0481	-25	2598	2613	AIMIDSM LHTIYRLSR	Oxidation (M)[3,7]	Mascot
1999.8783	1999.9485	0.0702	35	379	395	VMLHQEGHMDDALTCSR	Carbamidomethyl (C)[15]	Mascot
1999.8783	1999.9485	0.0702	35	379	395	VMLHQEGHMDDALTCSR	Carbamidomethyl (C)[15]	Mascot
2136.0793	2136.1777	0.0984	46	958	976	TYVMSSGYKPAPLDLNH VK	Oxidation (M)[4]	Mascot
2156.873	2157.1394	0.2664	124	4915	4931	CDDMMTCYLFHMYGVGR	Carbamidomethyl (C)[1], Oxidation (M)[4]	Mascot
2175.1743	2175.1472	-0.0271	-12	2140	2157	LMFSLLHRQYDALGELIR		Mascot
2175.1743	2175.1472	-0.0271	-12	2140	2157	LMFSLLHRQYDALGELIR		Mascot
2283.2205	2283.1875	-0.033	-14	3415	3433	DEFAVLCRDLYALYPLLIR		Mascot
2432.1206	2432.1443	0.0237	10	1938	1958	EEEEEAPEEGLLQMKMP ESVK		Mascot
2432.1206	2432.1443	0.0237	10	1938	1958	EEEEEAPEEGLLQMKMP ESVK		Mascot
2442.3213	2442.083	-0.2383	-98	1292	1313	LSMPVEFH LTFKVPAGTT PLTR		Mascot
2448.1155	2448.1497	0.0342	14	1938	1958	EEEEEAPEEGLLQMKMP ESVK	Oxidation (M)[14]	Mascot
2448.1155	2448.1497	0.0342	14	1938	1958	EEEEEAPEEGLLQMKMP ESVK	Oxidation (M)[14]	Mascot
2459.1086	2459.1106	0.002	1	1959	1976	LQMCTLLQYFCDCELRH R	Carbamidomethyl (C)[4,11,13], Oxidation (M)[3]	Mascot
2489.3042	2489.0869	-0.2173	-87	2575	2597	YLCSAVLPLLT KCAPLFA GTDHR		Mascot
2531.3113	2531.2427	-0.0686	-27	977	998	LTPNQNLVEKLAENGH NWWAR		Mascot
3103.3625	3103.6494	0.2869	92	379	405	VMLHQEGHMDDALTCSR SQTEESQAAR	Carbamidomethyl (C)[15], Oxidation (M)[2]	Mascot
3287.8501	3287.4243	-0.4258	-130	2481	2511	SLVPIEDLVGVISLPVQIP TFGKDGQIVEPK		Mascot
3337.5386	3337.7583	0.2197	66	3311	3340	GPENFPEQEGCLCTDVT SEQLNQLLGSIMK	Carbamidomethyl (C)[11]	Mascot

Peptide Information

	1103.5632	1103.575	0.0118	11	70	78	TAHANWYLK									Mascot
	1736.8207	1736.8944	0.0737	42	24	38	SAVPGSSDRWLMVCR						Carbamidomethyl (C)[14], Oxidation (M)[12]			Mascot
	2456.99	2457.3203	0.3303	134	2	23	IPEYSMSSAASSDMCPY MPVCR						Oxidation (M)[6,14]			Mascot
	3338.4255	3338.7676	0.3421	102	2	32	IPEYSMSSAASSDMCPY MPVCRSAVPGSSDR						Carbamidomethyl (C)[15]			Mascot
14	PREDICTED: hypothetical protein LOC100535442 isoform 2 [Danio rerio]					gi 326668097	11743	9.12	5	31	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
901.5101	901.5096	-0.0005	-1	31	38	TNDLLAVR						Mascot
1128.6483	1128.5063	-0.142	-126	29	38	ARTNDLLAVR						Mascot
1436.7493	1436.7466	-0.0027	-2	18	30	LHTETPTDPAKAR						Mascot
1488.7589	1488.7906	0.0317	21	91	103	LTNTCFVITFVCK						Mascot
1488.7589	1488.7906	0.0317	21	91	103	LTNTCFVITFVCK						Mascot
1893.9601	1893.9885	0.0284	15	91	105	LTNTCFVITFVCKYK				Carbamidomethyl (C)[5,12]		Mascot
1893.9601	1893.9885	0.0284	15	91	105	LTNTCFVITFVCKYK				Carbamidomethyl (C)[5,12]		Mascot

15	novel protein (zgc:77021) [Danio rerio]					gi 94732505	46122.4	8.52	7	31	0	9	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
882.4753	882.5708	0.0955	108	107	114	GYMLSIK						Mascot
901.5141	901.5096	-0.0045	-5	365	373	ALVPPGYGK						Mascot
1488.7839	1488.7906	0.0067	5	374	386	KPLRSNSLSMPK	9	0		Oxidation (M)[11]		Mascot
1488.7839	1488.7906	0.0067	5	374	386	KPLRSNSLSMPK				Oxidation (M)[11]		Mascot
1901.9326	1901.9963	0.0637	33	10	25	GRAQLPPCYHEGFLEK				Carbamidomethyl (C)[8]		Mascot
1951.9258	1951.9611	0.0353	18	36	52	LWTSLCGDSLFFFNSSK						Mascot
2459.0239	2459.1106	0.0867	35	344	363	HLPYQYSMPQETNTSSD CER				Carbamidomethyl (C)[18], Oxidation (M)[8]		Mascot
2515.4316	2515.2476	-0.184	-73	115	137	LSVPVSLNLLPGQIHAMK EVIEK						Mascot
2531.4265	2531.2427	-0.1838	-73	115	137	LSVPVSLNLLPGQIHAMK EVIEK				Oxidation (M)[17]		Mascot

16	RecName: Full=Eukaryotic translation initiation factor 3 subunit D; Short=elF3d; AltName: Full=Euka					gi 82187444	64049.5	6.06	9	30	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
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	901.5352	901.5096	-0.0256	-28	421	429	GAVLATELK						Mascot
	1103.6459	1103.575	-0.0709	-64	509	517	YLILKDPNK						Mascot
	1112.5082	1112.5112	0.003	3	27	35	DMPYQPFISK						Mascot
	1128.5031	1128.5063	0.0032	3	27	35	DMPYQPFISK			Oxidation (M)[2]			Mascot
	1354.6273	1354.7754	0.1481	109	42	53	VADWTGATYQDK						Mascot
	1354.6273	1354.7754	0.1481	109	42	53	VADWTGATYQDK						Mascot
	2233.1143	2233.0996	-0.0147	-7	438	457	WTCCAILAGSEYKLGYV SR						Mascot
	2400.0193	2400.1211	0.1018	42	187	207	YMDVADPLDIECCGALEH YDK						Mascot
	2448.2129	2448.1497	-0.0632	-26	2	24	AKFHAPVIQDNPSGWGP CAVPEK						Mascot
	2448.2129	2448.1497	-0.0632	-26	2	24	AKFHAPVIQDNPSGWGP CAVPEK						Mascot
	2457.2297	2457.3203	0.0906	37	241	263	LAKTQGNVFATDAILATL MCCTR			Oxidation (M)[19]			Mascot
	3287.6033	3287.4243	-0.179	-54	368	397	LGEDIDLIVRCEHDGVM T GANGEVSFINVK			Carbamidomethyl (C)[11]			Mascot
	3303.5984	3303.4224	-0.176	-53	368	397	LGEDIDLIVRCEHDGVM T GANGEVSFINVK			Carbamidomethyl (C)[11], Oxidation (M)[17]			Mascot
17	novel NACHT domain containing protein [Danio rerio]					gi 169158295	75440.9	5.59	10	30	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
901.4737	901.5096	0.0359	40	48	54	ILQEENR					Mascot
959.4614	959.5182	0.0568	59	320	327	IPADCIDR			Carbamidomethyl (C)[5]		Mascot
1045.5272	1045.5662	0.039	37	570	578	GLLTQQDDR					Mascot
1210.6062	1210.6035	-0.0027	-2	393	403	AHAETLQESPK					Mascot
1436.7631	1436.7466	-0.0165	-11	579	590	DQSKEEIIAYIK					Mascot
2136.072	2136.1777	0.1057	49	16	33	HKSFTDNLQSIFQNLESK					Mascot
2211.2092	2211.1123	-0.0969	-44	66	84	SIITEAALDLTLFFLREMK					Mascot
2298.1812	2298.1902	0.009	4	404	421	TLTQMYTHFLRFQIQSR					Mascot
2442.1138	2442.083	-0.0308	-13	464	484	DCGIDVYKASVYSGMCT QIFK			Carbamidomethyl (C)[2,16]		Mascot
3908.0125	3907.8484	-0.1641	-42	485	517	EETGIILGTMYCFLHLSIQ EFIAALYQHLILDR			Carbamidomethyl (C)[12]		Mascot

18 PREDICTED: diacylglycerol kinase beta-like, partial [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4229	842.5123	0.0894	106	153	158	LEFMFR					Mascot
864.4032	864.4503	0.0471	54	455	462	SGPMPGYR					Mascot

	901.5353	901.5096	-0.0257	-29	678	685	KTTIVDPK						Mascot
	1045.4264	1045.5662	0.1398	134	270	278	QGLCCSFCK	Carbamidomethyl (C)[4]					Mascot
	1112.6497	1112.5112	-0.1385	-124	112	121	LIKGSPPPLK	Carbamidomethyl (C)[6]					Mascot
	1210.5455	1210.6035	0.058	48	455	465	SGPMPGYRSCR						Mascot
	2157.0005	2157.1394	0.1389	64	302	319	KNTEIMHHFWVEGNCPK						Mascot
	2283.2488	2283.1875	-0.0613	-27	115	135	GSCPPLKVTSQSRPLSTV QLK	Carbamidomethyl (C)[3]					Mascot
	2284.0591	2284.1846	0.1255	55	153	171	LEFMFRLYDTDGNGFLD SK	Oxidation (M)[4]					Mascot
	2432.0581	2432.1443	0.0862	35	303	322	NTEIMHHFWVEGNCPK CDK	Carbamidomethyl (C)[14]					Mascot
	2432.0581	2432.1443	0.0862	35	303	322	NTEIMHHFWVEGNCPK CDK	Carbamidomethyl (C)[14]					Mascot
	2448.053	2448.1497	0.0967	40	303	322	NTEIMHHFWVEGNCPK CDK	Carbamidomethyl (C)[14], Oxidation (M)[5]					Mascot
	2448.053	2448.1497	0.0967	40	303	322	NTEIMHHFWVEGNCPK CDK	Carbamidomethyl (C)[14], Oxidation (M)[5]					Mascot
	2479.3022	2479.3013	-0.0009	0	248	269	LKHFSKPAYCNLCNMLI GLGK	Oxidation (M)[16]					Mascot
	2489.0796	2489.0869	0.0073	3	303	322	NTEIMHHFWVEGNCPK CDK	Carbamidomethyl (C)[14,18]					Mascot
19	LOC565764 protein [Danio rerio]				gi 112418812		25782.2	5.2	6	30	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4355	864.4503	0.0148	17	77	83	RSMDSIR					Mascot
882.4389	882.5708	0.1319	149	11	17	LEAMFQK			Oxidation (M)[4]		Mascot
901.4988	901.5096	0.0108	12	222	230	GLVSLLAND					Mascot
1112.5293	1112.5112	-0.0181	-16	2	10	LFNMETVDK			Oxidation (M)[4]		Mascot
1767.8694	1767.8188	-0.0506	-29	61	76	HAALCAQVEEIAAEQK			Carbamidomethyl (C)[5]		Mascot
1923.9705	1923.9712	0.0007	0	61	77	HAALCAQVEEIAAEQKR			Carbamidomethyl (C)[5]		Mascot

20 PREDICTED: HEAT repeat-containing protein 1-like [Danio rerio] gi|189525800 241986.3 5.96 20 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.557	842.5123	-0.0447	-53	1792	1798	LTLLARR					Mascot
901.5101	901.5096	-0.0005	-1	1942	1949	LADRIADK					Mascot
959.4363	959.5182	0.0819	85	209	216	DGNCPQLR			Carbamidomethyl (C)[4]		Mascot
996.4567	996.6025	0.1458	146	1853	1860	EHISHMDK					Mascot
1076.5768	1076.4761	-0.1007	-94	1618	1626	KAMELLNNK			Oxidation (M)[3]		Mascot

1103.5878	1103.575	-0.0128	-12	1799	1808	LTSCPQLSVR						Mascot
1128.5684	1128.5063	-0.0621	-55	977	985	FYEEAVSRK						Mascot
1736.9073	1736.8944	-0.0129	-7	1591	1605	VNALLPMDTFITVMR				Oxidation (M)[7]		Mascot
1908.9768	1908.9408	-0.036	-19	1712	1729	NVMGSALLCVAEVTSTLK				Carbamidomethyl (C)[9], Oxidation (M)[3]		Mascot
2114.1362	2114.1943	0.0581	27	2054	2072	SRITTHLVPCIAQFAVAM R						Mascot
2114.1362	2114.1943	0.0581	27	2054	2072	SRITTHLVPCIAQFAVAM R						Mascot
2136.1104	2136.1777	0.0673	32	647	666	TSESDLLGVANEMLTITLI K						Mascot
2225.0286	2225.126	0.0974	44	254	273	SNLSDYTAATYMIVCQMA VK				Oxidation (M)[12]		Mascot
2233.2219	2233.0996	-0.1223	-55	1799	1819	LTSCPQLSVRLASLSSTL ATK				Carbamidomethyl (C)[4]		Mascot
2283.1294	2283.1875	0.0581	25	1824	1843	VLIPTITKCYCSMVDAQQ NR						Mascot
2298.0452	2298.1902	0.145	63	254	273	SNLSDYTAATYMIVCQMA VK				Carbamidomethyl (C)[15], Oxidation (M)[12,17]		Mascot
2442.2043	2442.083	-0.1213	-50	991	1012	LASVEQLLQCLQSPFCPS YTSK						Mascot
2448.386	2448.1497	-0.2363	-97	881	903	VSAILQTQALYVGKAFLS SQPVK						Mascot
2448.386	2448.1497	-0.2363	-97	881	903	VSAILQTQALYVGKAFLS SQPVK						Mascot
2459.2791	2459.1106	-0.1685	-69	1510	1531	HFKFISIFMAQLLASDGF VGK				Oxidation (M)[10]		Mascot
2531.1873	2531.2427	0.0554	22	1832	1852	CYCSMVDAQQNRLSSLM NILK				Carbamidomethyl (C)[1,3]		Mascot
3000.5134	3000.2488	-0.2646	-88	209	235	DGNCPQLRVIFSFYASTI VSALDAVEK				Carbamidomethyl (C)[4]		Mascot
3303.6599	3303.4224	-0.2375	-72	1136	1166	SPACAQSINSVFETIAVD CELVANELIPADK				Carbamidomethyl (C)[4]		Mascot

21 PREDICTED: interferon-induced protein 44-like [Danio rerio] gi|189514429 38705.9 5.26 5 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.6074	1045.5662	-0.0412	-39	214	223	GIAQVVMTK					Mascot
1354.8052	1354.7754	-0.0298	-22	60	73	DIKVLVAGQVGAGK	5		0		Mascot
1354.8052	1354.7754	-0.0298	-22	60	73	DIKVLVAGQVGAGK					Mascot
1488.8455	1488.7906	-0.0549	-37	210	223	ISDKGIAQVVMTK	6		0		Mascot
1488.8455	1488.7906	-0.0549	-37	210	223	ISDKGIAQVVMTK					Mascot
2157.0234	2157.1394	0.116	54	308	325	NYNEIDTDDVDVLILK					Mascot
3319.6514	3319.4426	-0.2088	-63	126	156	DIMGLEAEALLGSQTDDII NAVFGHVKGDKYK					Mascot

22 PREDICTED: calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C-like, partial gi|326681376 45655.3 5.68 8 29 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	864.4429	864.4503	0.0074	9	104	110	QMGLMLR			Oxidation (M)[2]		Mascot
	901.5651	901.5096	-0.0555	-62	33	40	GLLRCLVK					Mascot
	1045.5823	1045.5662	-0.0161	-15	37	44	CLVKQLER			Carbamidomethyl (C)[1]		Mascot
	1908.9185	1908.9408	0.0223	12	2	17	ESPTREIEEFENTSLK					Mascot
	1923.9368	1923.9712	0.0344	18	299	314	LLQDDDEMNILYNLSK					Mascot
	2283.2634	2283.1875	-0.0759	-33	193	213	FKIPVSALVSFVEALEVG YSK					Mascot
	2459.2144	2459.1106	-0.1038	-42	374	392	TWDLHHRWTSLLEEFFL Q					Mascot
	2489.2002	2489.0869	-0.1133	-46	73	94	RLVDTEDELSDIQSDSVP SEVR					Mascot

23 eukaryotic translation initiation factor 3, subunit 7 zeta [Danio rerio] gi|123230120 63850.4 6.06 9 29 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	901.5352	901.5096	-0.0256	-28	419	427	GAVLATELK					Mascot
	1103.6459	1103.575	-0.0709	-64	507	515	YLILKDPNK					Mascot
	1112.5082	1112.5112	0.003	3	27	35	DMPYQPFSK					Mascot
	1128.5031	1128.5063	0.0032	3	27	35	DMPYQPFSK			Oxidation (M)[2]		Mascot
	1354.6273	1354.7754	0.1481	109	42	53	VADWTGATYQDK					Mascot
	1354.6273	1354.7754	0.1481	109	42	53	VADWTGATYQDK					Mascot
	2233.1143	2233.0996	-0.0147	-7	436	455	WTCCAILAGSEYKLGYV SR					Mascot
	2400.0193	2400.1211	0.1018	42	185	205	YMDVADPLDIECCGALEH YDK					Mascot
	2448.2129	2448.1497	-0.0632	-26	2	24	AKFHAPVIQDNPSGWGP CAVPEK					Mascot
	2448.2129	2448.1497	-0.0632	-26	2	24	AKFHAPVIQDNPSGWGP CAVPEK					Mascot
	2457.2297	2457.3203	0.0906	37	239	261	LAKTQGNVFATDAILATL MCCTR			Oxidation (M)[19]		Mascot
	3287.6033	3287.4243	-0.179	-54	366	395	LGEDIDLIVRCEHDGVM T GANGEVSFINVK			Carbamidomethyl (C)[11]		Mascot
	3303.5984	3303.4224	-0.176	-53	366	395	LGEDIDLIVRCEHDGVM T GANGEVSFINVK			Carbamidomethyl (C)[11], Oxidation (M)[17]		Mascot

24 guanine nucleotide binding protein (G protein), beta polypeptide 1, like [Danio rerio] gi|47087315 37279 5.6 7 29 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	1751.8315	1751.8234	-0.0081	-5	135	150	VSRELAGHTGYLSCCR							Mascot
	1908.9636	1908.9408	-0.0228	-12	198	214	LFVSGACDASAKLWDIR			Carbamidomethyl (C)[7]				Mascot
	1915.9542	1915.9642	0.01	5	24	42	ACADATLSQITANIDPVG R							Mascot
	2157.032	2157.1394	0.1074	50	284	301	LLLAGYDDFNCNVWDTL K			Carbamidomethyl (C)[11]				Mascot
	2400.1653	2400.1211	-0.0442	-18	281	301	SGRLLLAGYDDFNCNVW DTLK							Mascot
	2432.1108	2432.1443	0.0335	14	315	337	VSCLGVTDDGMAVATGS WDSFLK			Carbamidomethyl (C)[3], Oxidation (M)[11]				Mascot
	2432.1108	2432.1443	0.0335	14	315	337	VSCLGVTDDGMAVATGS WDSFLK			Carbamidomethyl (C)[3], Oxidation (M)[11]				Mascot
	2442.1758	2442.083	-0.0928	-38	284	304	LLLAGYDDFNCNVWDTL KADR							Mascot
	2457.1868	2457.3203	0.1335	54	281	301	SGRLLLAGYDDFNCNVW DTLK			Carbamidomethyl (C)[14]				Mascot
25	RecName: Full=Hematopoietic SH2 domain-containing protein homolog gi 82178338 41293.7 6.57 7 29 0													

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1354.671	1354.7754	0.1044	77	257	268	QQITPNTPNEGR					Mascot
1354.671	1354.7754	0.1044	77	257	268	QQITPNTPNEGR					Mascot
1719.8846	1719.859	-0.0256	-15	219	233	TPAEETPPQLPPMR					Mascot
1719.8846	1719.859	-0.0256	-15	219	233	TPAEETPPQLPPMR					Mascot
1999.9802	1999.9485	-0.0317	-16	43	59	AAEEMLMCKPAGYFLIR			Carbamidomethyl (C)[8]		Mascot
1999.9802	1999.9485	-0.0317	-16	43	59	AAEEMLMCKPAGYFLIR			Carbamidomethyl (C)[8]		Mascot
2284.1907	2284.1846	-0.0061	-3	23	42	SCILENGVVEWFGHIS RK					Mascot
2341.2122	2341.1333	-0.0789	-34	23	42	SCILENGVVEWFGHIS RK			Carbamidomethyl (C)[2]		Mascot
2400.1255	2400.1211	-0.0044	-2	2	22	AVPLPNDSSNAAFSWFT EYQR					Mascot
2448.1985	2448.1497	-0.0488	-20	77	96	CRHFMINVLPDNQFMIVG EK			Carbamidomethyl (C)[1]		Mascot
2448.1985	2448.1497	-0.0488	-20	77	96	CRHFMINVLPDNQFMIVG EK			Carbamidomethyl (C)[1]		Mascot
2531.166	2531.2427	0.0767	30	1	22	MAVPLPNDSSNAAFSWF TEYQR					Mascot

26 DNA-binding protein SMUBP-2 [Danio rerio] gi|120952590 110816.5 8.97 12 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4389	882.5708	0.1319	149	393	400	CILAGDYK					Mascot
996.4818	996.6025	0.1207	121	897	905	AESVCGFVK			Carbamidomethyl (C)[5]		Mascot
1210.5773	1210.6035	0.0262	22	297	306	DMDKAFNEIK					Mascot

1436.7743	1436.7466	-0.0277	-19	948	961	ISKEGVLYAGSGQK							Mascot
1767.8879	1767.8188	-0.0691	-39	908	922	ASVLTGLQLCIYCNR	Carbamidomethyl (C)[10,13]						Mascot
1901.9425	1901.9963	0.0538	28	129	144	DGLYNLMKLANDVTYR	Oxidation (M)[7]						Mascot
1915.9364	1915.9642	0.0278	15	236	252	VLCCAPSNVAVDNLVER	Carbamidomethyl (C)[3,4]						Mascot
2114.1096	2114.1943	0.0847	40	236	255	VLCCAPSNVAVDNLVERLAK							Mascot
2114.1096	2114.1943	0.0847	40	236	255	VLCCAPSNVAVDNLVERLAK							Mascot
2136.051	2136.1777	0.1267	59	41	59	GVCLMKLQIGSQHTGMYGR	Carbamidomethyl (C)[3]						Mascot
2489.3721	2489.0869	-0.2852	-115	508	531	GNQGEVDIVALHIKALTEAGVQVK							Mascot
2515.167	2515.2476	0.0806	32	631	651	HGELRTAFEYLEDCAVQNYTR							Mascot
3338.6208	3338.7676	0.1468	44	872	905	AGATDIAAAANGDDDDFDALINAVVKAESVCGFVK							Mascot
27	ornithine decarboxylase [Danio rerio]				gi 18859145	50756.2	5.08	8	29	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5458	842.5123	-0.0335	-40	179	185	LLLERAK					Mascot
1767.8945	1767.8188	-0.0757	-43	75	92	AVVTTLASLGAGFDCASK			Carbamidomethyl (C)[15]		Mascot
2196.9561	2197.1292	0.1731	79	295	313	VIMKEQSASDEEEDVSNDR			Oxidation (M)[3]		Mascot
2357.1665	2357.1387	-0.0278	-12	423	445	AQGIPALPLEEPSAGNVP SHCGR			Carbamidomethyl (C)[21]		Mascot
2400.1282	2400.1211	-0.0071	-3	70	92	CNDSRAVVTTLASLGAGFDCASK			Carbamidomethyl (C)[1,20]		Mascot
2431.999	2432.1443	0.1453	60	1	21	MTACTGSDFDFAFLEEGFCAR			Carbamidomethyl (C)[4,19]		Mascot
2431.999	2432.1443	0.1453	60	1	21	MTACTGSDFDFAFLEEGFCAR			Carbamidomethyl (C)[4,19]		Mascot
2447.9941	2448.1497	0.1556	64	1	21	MTACTGSDFDFAFLEEGFCAR			Carbamidomethyl (C)[4,19], Oxidation (M)[1]		Mascot
2447.9941	2448.1497	0.1556	64	1	21	MTACTGSDFDFAFLEEGFCAR			Carbamidomethyl (C)[4,19], Oxidation (M)[1]		Mascot
3103.3481	3103.6494	0.3013	97	1	27	MTACTGSDFDFAFLEEGFCARDIVEQK			Carbamidomethyl (C)[4], Oxidation (M)[1]		Mascot
3319.7202	3319.4426	-0.2776	-84	75	107	AVVTTLASLGAGFDCASKTEIQIVQSVGVDPSPR					Mascot

28 olfactory receptor [Danio rerio] gi|7211675 18109.8 9.4 5 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
901.4448	901.5096	0.0648	72	9	15	YTIMTR			Oxidation (M)[5]		Mascot
1076.5735	1076.4761	-0.0974	-90	140	148	VSKFDPEVR					Mascot
1751.9296	1751.8234	-0.1062	-61	1	15	VAICNPLRYTIMTR					Mascot

	1767.9244	1767.8188	-0.1056	-60	1	15	VAICNPLRYTTIMTR						Oxidation (M)[13]	Mascot
	2135.967	2136.1777	0.2107	99	53	71	HMFCDHSSVLTACVDTT R							Mascot
	3337.7476	3337.7583	0.0107	3	111	139	LKAGATCVSHLIVVLISYC SAFFVYISYR						Carbamidomethyl (C)[7,19]	Mascot
29	tudur and KH domain-containing protein [Danio rerio]				gi 62122909		63641	4.89	7	28	0	12	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.3482	864.4503	0.1021	118	525	531	GDWDESR					Mascot
959.5156	959.5182	0.0026	3	223	230	VIENTETVR					Mascot
1112.5344	1112.5112	-0.0232	-21	387	395	DHGTWNRAR					Mascot
1436.7124	1436.7466	0.0342	24	211	222	EIQSAKEMIMEK					Mascot
1488.8533	1488.7906	-0.0627	-42	85	97	ISVPLDVYRSIAR	12		0		Mascot
1488.8533	1488.7906	-0.0627	-42	85	97	ISVPLDVYRSIAR					Mascot
1736.8557	1736.8944	0.0387	22	217	230	EMIMEKVIENTETVR			Oxidation (M)[2]		Mascot
2459.064	2459.1106	0.0466	19	510	531	LGHAVSCEDEGNLGRGD WDESR			Carbamidomethyl (C)[7]		Mascot

30	PREDICTED: hypothetical protein LOC565734 [Danio rerio]				gi 68402113		30582.9	10.05	6	28	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1165.6324	1165.7515	0.1191	102	118	128	VSPNATHAQIK					Mascot
1436.7943	1436.7466	-0.0477	-33	80	91	HWCLLLRPVGSR					Mascot
1902.0093	1901.9963	-0.013	-7	20	36	TLLSLHHHPHGPVDSR					Mascot
2284.0571	2284.1846	0.1275	56	41	60	KSNVCVHWCAADCVWA LHNK					Mascot
2341.0786	2341.1333	0.0547	23	41	60	KSNVCVHWCAADCVWA LHNK			Carbamidomethyl (C)[5]		Mascot
2448.3259	2448.1497	-0.1762	-72	15	36	LSAFKTLLSLHHHPHGPV VDSR					Mascot
2448.3259	2448.1497	-0.1762	-72	15	36	LSAFKTLLSLHHHPHGPV VDSR					Mascot
2479.5107	2479.3013	-0.2094	-84	246	269	EQITGVSVILLLLGGVIIN SLKS					Mascot

31	complement component c3b [Danio rerio]				gi 220673392		182155.7	6.42	16	28	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.3998	864.4503	0.0505	58	1457	1462	YYHPER					Mascot

901.5352	901.5096	-0.0256	-28	1556	1564	VSLGLVEGK							Mascot
1045.4796	1045.5662	0.0866	83	1535	1544	EGTDPDVQGK							Mascot
1112.5443	1112.5112	-0.0331	-30	1488	1496	KNHVNESER							Mascot
1128.6259	1128.5063	-0.1196	-106	912	921	TEKLELNPGK							Mascot
1210.6613	1210.6035	-0.0578	-48	630	640	TVPECPAPLKR							Mascot
1436.7025	1436.7466	0.0441	31	37	48	NFPAKNVEMMQK							Mascot
1908.854	1908.9408	0.0868	45	1610	1627	YIGMTAVENMFTTGGCLT							Mascot
1915.9661	1915.9642	-0.0019	-1	1079	1094	QLPDGSFKEDKPVYHR							Mascot
2283.1504	2283.1875	0.0371	16	1149	1170	LTNPYAAALTSYALANADSLDK							Mascot
2357.2029	2357.1387	-0.0642	-27	1535	1555	EGTDPDVQGKVKPFLARPSCR				Carbamidomethyl (C)[20]			Mascot
2448.0984	2448.1497	0.0513	21	606	629	DSMGVFS DAGLIFESNTAGGTDR							Mascot
2448.0984	2448.1497	0.0513	21	606	629	DSMGVFS DAGLIFESNTAGGTDR							Mascot
2457.2178	2457.3203	0.1025	42	302	323	SIYVSVNLLTESGSEMVEAEKR				Oxidation (M)[16]			Mascot
2515.3113	2515.2476	-0.0637	-25	863	885	DSSVAVSFVIVPMTLESQHIEVK							Mascot
2531.3062	2531.2427	-0.0635	-25	863	885	DSSVAVSFVIVPMTLESQHIEVK				Oxidation (M)[13]			Mascot
3000.4924	3000.2488	-0.2436	-81	1428	1453	MHKTFNVGLLQPASVTIYEYSPDAR							Mascot
3891.9255	3891.8274	-0.0981	-25	1087	1121	EDKPVYHREIMGGIEGQNTDVSLTAFVLIAMQEGK				Oxidation (M)[11]			Mascot
3907.9204	3907.8484	-0.072	-18	1087	1121	EDKPVYHREIMGGIEGQNTDVSLTAFVLIAMQEGK				Oxidation (M)[11,31]			Mascot

32

PREDICTED: NACHT, LRR and PYD domains-containing protein 14-like [Danio rerio]

gi|326678388

102092.3

5.48

11

28

0

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type		
842.5458	842.5123	-0.0335	-40	835	841	LNTLILR						Mascot
1210.7089	1210.6035	-0.1054	-87	832	841	HCKLNTLILR						Mascot
1542.8024	1542.8898	0.0874	57	181	193	HLFEASAQDKQIR						Mascot
1736.9006	1736.8944	-0.0062	-4	221	234	ENQEISFIFLPFR						Mascot
1893.8357	1893.9885	0.1528	81	497	512	ASDYSGMCTQIFKEEK			Carbamidomethyl (C)[8]			Mascot
1893.8357	1893.9885	0.1528	81	497	512	ASDYSGMCTQIFKEEK			Carbamidomethyl (C)[8]			Mascot
1999.9794	1999.9485	-0.0309	-15	121	138	YQCVFEGIAQQGDSTLLK						Mascot
1999.9794	1999.9485	-0.0309	-15	121	138	YQCVFEGIAQQGDSTLLK						Mascot
2114.0876	2114.1943	0.1067	50	568	586	TAVDKALES DNGLDLFLR						Mascot
2114.0876	2114.1943	0.1067	50	568	586	TAVDKALES DNGLDLFLR						Mascot

	2197.1169	2197.1292	0.0123	6	723	743	ALLSDCSISEEGYKALAS ALR							Mascot
	2298.1812	2298.1902	0.009	4	429	446	TLTQMYTHFLRFQIQQSR							Mascot
	2400.179	2400.1211	-0.0579	-24	612	631	VDQQQAHNQDSKEEIVQ YIK							Mascot
	3303.7202	3303.4224	-0.2978	-90	376	402	SLFIMCHIPVFCWISATVL QNILQEKR				Carbamidomethyl (C)[6,12]			Mascot
	3319.7151	3319.4426	-0.2725	-82	376	402	SLFIMCHIPVFCWISATVL QNILQEKR				Carbamidomethyl (C)[6,12], Oxidation (M)[5]			Mascot
33	ATPase, H ⁺ transporting, lysosomal V1 subunit B2 [Danio rerio]					gi 133777410	56441.8	5.5	8	28	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4478	842.5123	0.0645	77	314	320	EEVPGRR					Mascot
901.5101	901.5096	-0.0005	-1	29	36	ENVLAVTR					Mascot
1751.8962	1751.8234	-0.0728	-42	494	508	IPQSTLAEFYPRDSK					Mascot
2197.0383	2197.1292	0.0909	41	321	339	GFPGYMYTDLATIERAG R			Oxidation (M)[6]		Mascot
2341.1162	2341.1333	0.0171	7	109	129	TTCEFTGDILRTPVSEDM LGR					Mascot
2357.1111	2357.1387	0.0276	12	109	129	TTCEFTGDILRTPVSEDM LGR			Oxidation (M)[18]		Mascot
2400.1687	2400.1211	-0.0476	-20	141	162	GPAVLAEDYLDIMGQPIN PQCR					Mascot
2457.1899	2457.3203	0.1304	53	141	162	GPAVLAEDYLDIMGQPIN PQCR			Carbamidomethyl (C)[21]		Mascot
2531.3286	2531.2427	-0.0859	-34	291	313	HVLVILTMSSYAEALRE VSAAR					Mascot
3000.335	3000.2488	-0.0862	-29	245	270	SDFEENGSMDNVCLFLN LANDPTIER			Carbamidomethyl (C)[13]		Mascot

34 hypothetical protein LOC570464 [Danio rerio] gi|139948991 19666.3 6.08 5 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.4697	1045.5662	0.0965	92	96	104	DVEFDHAGR					Mascot
1128.5208	1128.5063	-0.0145	-13	78	87	AESFPSEYAK					Mascot
1916.0431	1915.9642	-0.0789	-41	2	17	MQRCCAIFLLHLIGK			Carbamidomethyl (C)[4]		Mascot
2136.0947	2136.1777	0.083	39	1	17	MMQRCCAIFLLHLIGK			Carbamidomethyl (C)[5,6], Oxidation (M)[1,2]		Mascot
2284.2297	2284.1846	-0.0451	-20	105	123	YTCFFPELNVEKLVLLV K					Mascot
2341.2512	2341.1333	-0.1179	-50	105	123	YTCFFPELNVEKLVLLV K			Carbamidomethyl (C)[3]		Mascot

35 calcium-binding mitochondrial carrier protein
SCaMC-2-B [Danio rerio] gi|229608957 52678 8.35 8 28 0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4702	850.5433	0.0731	86	122	128	ILKSMDK			Oxidation (M)[5]		Mascot
1045.5023	1045.5662	0.0639	61	261	268	FMAYEQIK			Oxidation (M)[2]		Mascot
1542.8486	1542.8898	0.0412	27	270	283	LIGSNQETLGILER					Mascot
1999.8636	1999.9485	0.0849	42	125	140	SMDKNGTMTIDWNEW			Oxidation (M)[2]		Mascot
1999.8636	1999.9485	0.0849	42	125	140	SMDKNGTMTIDWNEW			Oxidation (M)[2]		Mascot
2114.0117	2114.1943	0.1826	86	221	240	SNSMGIAGGFTQMIREG GLR			Oxidation (M)[4,13]		Mascot
2114.0117	2114.1943	0.1826	86	221	240	SNSMGIAGGFTQMIREG GLR			Oxidation (M)[4,13]		Mascot
2232.9683	2233.0996	0.1313	59	405	424	MQAQASQEGSPQMTMS GLFR			Oxidation (M)[1,13,15]		Mascot
2442.1323	2442.083	-0.0493	-20	403	424	TRMQAQASQEGSPQMT MSGFLR					Mascot
3891.9077	3891.8274	-0.0803	-21	368	404	FATDSADPGVFVLLACGT MSSTCGQLASYPLALVR TR			Carbamidomethyl (C)[16], Oxidation (M)[19]		Mascot
36	hypothetical protein LOC100007529 [Danio rerio]			gi 164414401		18354.1	6.11	5	27	0	

Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
37	Zgc:65788 protein [Danio rerio]											
		882.4944	882.5708	0.0764	87	45	51	LISAHWR				Mascot
		1952.0747	1951.9611	-0.1136	-58	147	163	IVSQVLACFFAVILLCV			Carbamidomethyl (C)[8,16]	Mascot
		2284.0378	2284.1846	0.1468	64	23	42	TFEGFIGGSALFPCYYDP SR			Carbamidomethyl (C)[14]	Mascot
		2442.2888	2442.083	-0.2058	-84	45	65	LISAHWRLNDSLNVYDIL SGR				Mascot
		2479.2722	2479.3013	0.0291	12	1	22	MFRSGFLICFLISLSSEAS VQK			Oxidation (M)[1]	Mascot
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Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.3491	864.4503	0.1012	117	495	500	CCNWPK			Carbamidomethyl (C)[1,2]		Mascot
959.5672	959.5182	-0.049	-51	395	402	YPLIGQLR					Mascot
1045.6074	1045.5662	-0.0412	-39	198	208	LMLTAAVAAGK					Mascot
1112.6058	1112.5112	-0.0946	-85	272	281	DQGAPVEKLR					Mascot
1436.666	1436.7466	0.0806	56	483	494	CPAKTVFDPNCK			Carbamidomethyl (C)[1,11]		Mascot
2442.2371	2442.083	-0.1541	-63	290	315	TFRLSSAVSGVGAPASG AASAGTYTR					Mascot
2489.1077	2489.0869	-0.0208	-8	251	271	GSGDIGDKIYYNTDFAMT			Oxidation (M)[17]		Mascot

	3103.5007	3103.6494	0.1487	48	86	111	YWR LTTYEWNDETLYQSFNG LKQSNPNLK								Mascot
38	PREDICTED: hypothetical protein LOC799338 [Danio rerio]					gi 326667977	158597.6	6.54	15	27	0				

Peptide Information														
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type	
1076.5154	1076.4761	-0.0393	-37	1357	1365	SKMSDSHLR				Oxidation (M)[3]		Mascot		
1112.5558	1112.5112	-0.0446	-40	1321	1329	FPEMRSAK						Mascot		
1128.5507	1128.5063	-0.0444	-39	1321	1329	FPEMRSAK				Oxidation (M)[4]		Mascot		
1165.5922	1165.7515	0.1593	137	1081	1090	FDDVMKPKVAK				Oxidation (M)[5]		Mascot		
1210.5707	1210.6035	0.0328	27	926	935	QEFMNVCLAR						Mascot		
1354.6605	1354.7754	0.1149	85	925	935	KQEFMNVCLAR				Oxidation (M)[5]		Mascot		
1354.6605	1354.7754	0.1149	85	925	935	KQEFMNVCLAR				Oxidation (M)[5]		Mascot		
1751.7793	1751.8234	0.0441	25	376	390	AFLDDENQEDLMPAK				Oxidation (M)[12]		Mascot		
1767.8629	1767.8188	-0.0441	-25	926	940	QEFMNVCLARNTVAR				Oxidation (M)[4]		Mascot		
1893.9263	1893.9885	0.0622	33	331	346	LKVTFQDDQEDLMPAK				Oxidation (M)[13]		Mascot		
1893.9263	1893.9885	0.0622	33	79	94	LKVTFQDDQEDLMPAK				Oxidation (M)[13]		Mascot		
1923.8389	1923.9712	0.1323	69	292	307	AFQDDEDQEDLMPAKR				Oxidation (M)[12]		Mascot		
2197.1545	2197.1292	-0.0253	-12	636	655	VCGIRPVHFALEENVTSV AR						Mascot		
2294.0103	2294.1719	0.1616	70	264	283	RKPSQFPDDNEEPSTSS GCR				Carbamidomethyl (C)[19]		Mascot		
2294.0103	2294.1719	0.1616	70	264	283	RKPSQFPDDNEEPSTSS GCR				Carbamidomethyl (C)[19]		Mascot		
2340.9456	2341.1333	0.1877	80	179	199	RCEPSQFPDDNEEPSTS SGCR						Mascot		
2489.2095	2489.0869	-0.1226	-49	1111	1130	DIQAEYGDLIYNDVRWL SR						Mascot		
3000.3589	3000.2488	-0.1101	-37	601	626	LIDFGCSEYCQGHKPHA GFDQIYCR						Mascot		
3891.8601	3891.8274	-0.0327	-8	1268	1301	DMLLFSSPLSADPDNAPP RLQLELIELQCDYECR						Mascot		
3907.855	3907.8484	-0.0066	-2	1268	1301	DMLLFSSPLSADPDNAPP RLQLELIELQCDYECR				Oxidation (M)[2]		Mascot		

39	novel protein similar to vertebrate aggrecan 1 (chondroitin sulfate proteoglycan 1, large aggregati					gi 94732656	18946.2	8.77	5	27	0			
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Peptide Information														
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type	
959.5097	959.5182	0.0085	9	102	109	AHLAAWK						Mascot		
1436.6879	1436.7466	0.0587	41	91	101	YDVYCYVDKLR						Mascot		

1542.6788	1542.8898	0.211	137	67	80	HQCSGDMEQVPGVR							Mascot
2298.1514	2298.1902	0.0388	17	141	161	TGVHTVYLFPNQTGSPD LHSK							Mascot
2984.4431	2984.2456	-0.1975	-66	134	161	QQCGGGRTGVHTVYLP NQTGSPDLHSK							Mascot

40 PREDICTED: paired box protein Pax-6-like [Danio rerio] gi|326680199 30178.1 9.33 6 27 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.5472	996.6025	0.0553	55	64	72	ILQTHADAK					Mascot
1542.7039	1542.8898	0.1859	121	168	180	QQMGADGMYEKLK			Oxidation (M)[3]		Mascot
1736.8239	1736.8944	0.0705	41	212	227	TNNINSGPPSSFSTWK					Mascot
1915.8524	1915.9642	0.1118	58	162	178	NLASEKQQMGADGMYE K			Oxidation (M)[9]		Mascot
2175.071	2175.1472	0.0762	35	139	158	LLSEGVCTNDNIPSVSIN R			Carbamidomethyl (C)[7]		Mascot
2175.071	2175.1472	0.0762	35	139	158	LLSEGVCTNDNIPSVSIN R			Carbamidomethyl (C)[7]		Mascot
3287.5649	3287.4243	-0.1406	-43	181	210	MLNGQTGTWGTRPGWY PGTSVPGQPNQVER			Oxidation (M)[1]		Mascot

41 novel protein [Danio rerio] gi|94732798 158511.5 5.14 13 27 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4607	864.4503	-0.0104	-12	959	966	QSSALKCK					Mascot
901.5618	901.5096	-0.0522	-58	1381	1387	KVVLWTR					Mascot
1488.8016	1488.7906	-0.011	-7	951	964	AGQEQLTKQSSALK					Mascot
1488.8016	1488.7906	-0.011	-7	951	964	AGQEQLTKQSSALK					Mascot
1719.8894	1719.859	-0.0304	-18	611	624	HLRGTLHPLQMTCT			Carbamidomethyl (C)[13]		Mascot
1719.8894	1719.859	-0.0304	-18	611	624	HLRGTLHPLQMTCT			Carbamidomethyl (C)[13]		Mascot
1736.8384	1736.8944	0.056	32	1202	1216	ECGLLAEQQAERSR					Mascot
1751.9473	1751.8234	-0.1239	-71	433	449	ALLESKGVSVPPACQQR					Mascot
1767.8409	1767.8188	-0.0221	-13	1106	1120	KTVLHNDASDHDPYR					Mascot
2136.1018	2136.1777	0.0759	36	595	613	GPFTSAEDCLVVLGHKHL R			Carbamidomethyl (C)[9]		Mascot
2459.0991	2459.1106	0.0115	5	1348	1371	DSEASLGDSQQSLFNAT GSSVCAK			Carbamidomethyl (C)[22]		Mascot
3103.5774	3103.6494	0.072	23	56	82	QHNLTSA NVRSIIHEVITN EHVAMMK			Oxidation (M)[25,26]		Mascot
3303.4583	3303.4224	-0.0359	-11	664	694	TYNQASGNPQTTEATDP AGPGPHFCFPPGMR			Carbamidomethyl (C)[25]		Mascot
3319.4531	3319.4426	-0.0105	-3	664	694	TYNQASGNPQTTEATDP AGPGPHFCFPPGMR			Carbamidomethyl (C)[25], Oxidation (M)[30]		Mascot
3338.636	3338.7676	0.1316	39	519	548	AEHGFFTSIFNACNLQGA			Carbamidomethyl (C)[13]		Mascot

		3891.78	3891.8274	0.0474	12	232	267	VSLLEELDQSLK LHAVDEELAFGTDCMDS YQSLGGASGEESLISFRT R							Mascot
		3907.7749	3907.8484	0.0735	19	232	267	LHAVDEELAFGTDCMDS YQSLGGASGEESLISFRT R				Oxidation (M)[15]			Mascot
42	Max protein [Danio rerio]						gi 214997	17750.8	6.66	4	26	0			
Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	% Modification		Rank	Result Type
		1103.5817	1103.575	-0.0067	-6	16	24	RAHHNALER							Mascot
		1354.755	1354.7754	0.0204	15	86	96	RQNALLEQQVR		6		0			Mascot
		1354.755	1354.7754	0.0204	15	86	96	RQNALLEQQVR							Mascot
		2283.9595	2284.1846	0.2251	99	124	146	GQAVSAFDGGSDSSSGS EPEEQR							Mascot
		2489.2153	2489.0869	-0.1284	-52	101	123	VKGTTQLQANYSSSDSS LYTNPK							Mascot
43	PREDICTED: hypothetical protein LOC100537950 [Danio rerio]						gi 326676836	45410.9	5.02	7	26	0			
Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	% Modification		Rank	Result Type
		864.5301	864.4503	-0.0798	-92	352	358	LFLRSTK							Mascot
		1901.8584	1901.9963	0.1379	73	192	209	QEEENRPNVSDAANGD K							Mascot
		2136.2461	2136.1777	-0.0684	-32	71	90	GIILEGLVTPVPLSLPSK R				Oxidation (M)[12]			Mascot
		2225.1487	2225.126	-0.0227	-10	362	380	GVLVNEYFPDVEQFVDK VK							Mascot
		2442.335	2442.083	-0.252	-103	90	111	RVTLSNVPPFISDEVLTK ALSR							Mascot
		2457.1423	2457.3203	0.178	72	187	209	ICPNKQEEENRPNVSD AANGDK							Mascot
		3338.4224	3338.7676	0.3452	103	314	343	VDMEDELESESDSELSD SSLTLSQSEFSSR							Mascot
44	HEAT repeat-containing protein 1 [Danio rerio]						gi 41054019	241895.3	5.94	19	26	0			
Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	% Modification		Rank	Result Type
		842.557	842.5123	-0.0447	-53	1792	1798	LTLLARR							Mascot
		901.5101	901.5096	-0.0005	-1	1942	1949	LADRIADK							Mascot
		959.4363	959.5182	0.0819	85	209	216	DGNCPQLR				Carbamidomethyl (C)[4]			Mascot
		996.4567	996.6025	0.1458	146	1853	1860	EHISHMDK							Mascot

1076.5768	1076.4761	-0.1007	-94	1618	1626	KAMELLNNK	Oxidation (M)[3]	Mascot
1103.5878	1103.575	-0.0128	-12	1799	1808	LTSCPQLSVR		Mascot
1128.5684	1128.5063	-0.0621	-55	977	985	FYEEAVSRK		Mascot
1736.9073	1736.8944	-0.0129	-7	1591	1605	VNALLPMDTFITVMR	Oxidation (M)[7]	Mascot
1908.9768	1908.9408	-0.036	-19	1712	1729	NVMGSALLCVAEVTSTLK	Carbamidomethyl (C)[9], Oxidation (M)[3]	Mascot
2114.1362	2114.1943	0.0581	27	2054	2072	SRITTHLVPCIAQFAVAM R		Mascot
2114.1362	2114.1943	0.0581	27	2054	2072	SRITTHLVPCIAQFAVAM R		Mascot
2136.1104	2136.1777	0.0673	32	647	666	TSESDLLGVANEMLTTTLI K		Mascot
2225.0286	2225.126	0.0974	44	254	273	SNLSDYTAATYMIVCQMA VK	Oxidation (M)[12]	Mascot
2233.2219	2233.0996	-0.1223	-55	1799	1819	LTSCPQLSVRLASLSSTL ATK	Carbamidomethyl (C)[4]	Mascot
2283.1294	2283.1875	0.0581	25	1824	1843	VLIPTITKCYCSMVDAQQ NR		Mascot
2298.0452	2298.1902	0.145	63	254	273	SNLSDYTAATYMIVCQMA VK	Carbamidomethyl (C)[15], Oxidation (M)[12,17]	Mascot
2442.2043	2442.083	-0.1213	-50	991	1012	LASVEQLLQCLQSPFCPS YTSK		Mascot
2448.386	2448.1497	-0.2363	-97	881	903	VSAILQTQALYVGKAFLS SQPVK		Mascot
2448.386	2448.1497	-0.2363	-97	881	903	VSAILQTQALYVGKAFLS SQPVK		Mascot
2459.155	2459.1106	-0.0444	-18	1832	1852	CYCSMVDAQQNRLSPLM NILK	Oxidation (M)[5,17]	Mascot
3000.5134	3000.2488	-0.2646	-88	209	235	DGNCPQLRVIFSFYASTI VSALDAVEK	Carbamidomethyl (C)[4]	Mascot
3303.6599	3303.4224	-0.2375	-72	1136	1166	SPACAQSINSVFKTIAVD CELVANELIPADK	Carbamidomethyl (C)[4]	Mascot

45

PREDICTED: hypothetical protein LOC100538187 [Danio rerio]

gi|326671902

13561.6

8.77

5

26

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
901.46	901.5096	0.0496	55	84	90	NFKYVCK					Mascot
1488.7474	1488.7906	0.0432	29	1	13	MVDKDQAEVNAIR					Mascot
1488.7474	1488.7906	0.0432	29	1	13	MVDKDQAEVNAIR					Mascot
1901.8376	1901.9963	0.1587	83	53	67	AHIIQFMSEMKCCSK			Carbamidomethyl (C)[12,13], Oxidation (M)[7,10]		Mascot
2225.0344	2225.126	0.0916	41	94	111	NNWETIGHLWSNFGRCY K					Mascot
3907.9324	3907.8484	-0.084	-21	15	48	VFNESDILLCWYHVTQAV TRWLSISESGVSGPEK			Carbamidomethyl (C)[10]		Mascot

46

novel protein similar to human BAP28 [Danio rerio]

gi|33284848

143432.7

7.69

15

26

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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					Seq.	Seq.	Score				
	842.557	842.5123	-0.0447	-53	991	997	LTLLARR			Mascot	
	901.5101	901.5096	-0.0005	-1	1141	1148	LADRIADK			Mascot	
	996.4567	996.6025	0.1458	146	1052	1059	EHISHMDK			Mascot	
	1076.5768	1076.4761	-0.1007	-94	817	825	KAMELLNNK		Oxidation (M)[3]	Mascot	
	1103.5878	1103.575	-0.0128	-12	998	1007	LTSCPQLSVR			Mascot	
	1128.5684	1128.5063	-0.0621	-55	176	184	FYEEAVSRK			Mascot	
	1736.9073	1736.8944	-0.0129	-7	790	804	VNALLPMDTFITVMR		Oxidation (M)[7]	Mascot	
	1908.9768	1908.9408	-0.036	-19	911	928	NVMGSALLCVAEVTSTLK		Carbamidomethyl (C)[9], Oxidation (M)[3]	Mascot	
	2114.1362	2114.1943	0.0581	27	1231	1249	SRITTHLVPCIAQFAVAM R			Mascot	
	2114.1362	2114.1943	0.0581	27	1231	1249	SRITTHLVPCIAQFAVAM R			Mascot	
	2233.2219	2233.0996	-0.1223	-55	998	1018	LTSCPQLSVRLASLSSTL ATK		Carbamidomethyl (C)[4]	Mascot	
	2283.1294	2283.1875	0.0581	25	1023	1042	VLIPTITKCYCSMVDAQQ NR			Mascot	
	2442.2043	2442.083	-0.1213	-50	190	211	LASVEQLLQCLQSPFCPS YTSK			Mascot	
	2448.386	2448.1497	-0.2363	-97	80	102	VSAILQTQALYVGKAFLS SQPVK			Mascot	
	2448.386	2448.1497	-0.2363	-97	80	102	VSAILQTQALYVGKAFLS SQPVK			Mascot	
	2459.155	2459.1106	-0.0444	-18	1031	1051	CYCSMVDAQQNRLSPLM NILK		Oxidation (M)[5,17]	Mascot	
	3303.6599	3303.4224	-0.2375	-72	335	365	SPACAQSINSVFKTIAVD CELVANELIPADK		Carbamidomethyl (C)[4]	Mascot	
47	hypothetical protein LOC100137109 [Danio rerio]				gi 167963466		21724.1	5.82	5	26	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	882.4389	882.5708	0.1319	149	1	8	MGSPFSLK			Oxidation (M)[1]		Mascot
	1103.6055	1103.575	-0.0305	-28	175	184	TSESLNVVVR					Mascot
	2197.1282	2197.1292	0.001	0	1	21	MGSPFSLKNITSGIVSS AQR			Oxidation (M)[1]		Mascot
	2384.2385	2384.1057	-0.1328	-56	103	122	YIGVMMLTLTPSIIDELRM R			Oxidation (M)[5,6]		Mascot
	2400.2334	2400.1211	-0.1123	-47	103	122	YIGVMMLTLTPSIIDELRM R			Oxidation (M)[5,6,19]		Mascot
	2479.2786	2479.3013	0.0227	9	163	184	VNTSEEIYNAVRTSESLN VVVR					Mascot

48 PREDICTED: protein NLRC3 isoform 1 [Danio rerio] gi|326667049 94863 6.12 11 26 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	901.4737	901.5096	0.0359	40	135	141	ILQEENR										Mascot
	959.4614	959.5182	0.0568	59	407	414	IPADCIDR						Carbamidomethyl (C)[5]				Mascot
	1045.5272	1045.5662	0.039	37	660	668	GLLTQQDDR										Mascot
	1210.6791	1210.6035	-0.0756	-62	442	451	EIIDHIKQSK										Mascot
	1436.7631	1436.7466	-0.0165	-11	669	680	DQSKEEIIAYIK										Mascot
	2114.0876	2114.1943	0.1067	50	626	644	AAVDKALESENGHLDLYL R										Mascot
	2114.0876	2114.1943	0.1067	50	626	644	AAVDKALESENGHLDLYL R										Mascot
	2136.072	2136.1777	0.1057	49	103	120	HKSFTDNLQSIFQNLESK										Mascot
	2211.2092	2211.1123	-0.0969	-44	153	171	SIITEAALDLTLFFLREMK										Mascot
	2294.0864	2294.1719	0.0855	37	551	571	DCGIDVYKASVYSGMCT QILK										Mascot
	2294.0864	2294.1719	0.0855	37	551	571	DCGIDVYKASVYSGMCT QILK										Mascot
	2298.1812	2298.1902	0.009	4	491	508	TLTQMYTHFLRFQIQSR										Mascot
	2341.2188	2341.1333	-0.0855	-37	532	550	LAFQQLERNLIFYESDL K										Mascot
49	PREDICTED: ryanodine receptor 2-like, partial [Danio rerio]					gi 326672665	23609.3	4.4	5	26	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1719.7406	1719.859	0.1184	69	182	194	CWEFFPAGDCFRK			Carbamidomethyl (C)[1,10]		Mascot
1719.7406	1719.859	0.1184	69	182	194	CWEFFPAGDCFRK			Carbamidomethyl (C)[1,10]		Mascot
2156.873	2157.1394	0.2664	124	40	56	CDDMLTCYMFHMYGVGR			Carbamidomethyl (C)[1], Oxidation (M)[4]		Mascot
2224.9993	2225.126	0.1267	57	57	77	AGGGIGDQIEDPAGDEY EIYR					Mascot
2432.0459	2432.1443	0.0984	40	163	181	DETEHTGQESYVWKMY QER			Oxidation (M)[15]		Mascot
2432.0459	2432.1443	0.0984	40	163	181	DETEHTGQESYVWKMY QER			Oxidation (M)[15]		Mascot
3337.292	3337.7583	0.4663	140	30	56	SEDGESPDMLKDDMLTC YMFHMYGVGR			Carbamidomethyl (C)[11,17], Oxidation (M)[9,14,19,22]		Mascot

50	PREDICTED: formin-like 2b [Danio rerio]				gi 326668505	125459.5	6.66	1	16	0							
Peptide Information																	
Calc. Mass		Obsrv. Mass		± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification		Rank	Result Type				
1488.712		1488.7906		0.0786	53	218	229	KDDVHVCIMCLR	16	0 Carbamidomethyl (C)[7]		2	Mascot				

Gel Idx/Pos	192/H19	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	transketolase-like protein 2 [Danio rerio]	gi 186288308	67795.3	6.81	21	1,350	100	1208	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
901.5101	901.5135	0.0034	4	93	100	ASDLLNLR	54	99.889			Mascot
901.5101	901.5135	0.0034	4	93	100	ASDLLNLR					Mascot
1028.4982	1028.5013	0.0031	3	226	234	AMWHAEGVK					Mascot
1060.4768	1060.4849	0.0081	8	347	355	NSTFADMFK					Mascot
1076.4717	1076.4808	0.0091	8	347	355	NSTFADMFK			Oxidation (M)[7]		Mascot
1103.5731	1103.5774	0.0043	4	559	567	VITVEDHYK					Mascot
1354.7689	1354.7772	0.0083	6	174	185	LDNLVAILDVNR	108	100			Mascot
1354.7689	1354.7772	0.0083	6	174	185	LDNLVAILDVNR					Mascot
1436.738	1436.7474	0.0094	7	101	113	KIDSDLEGHPTPK					Mascot
1488.7845	1488.793	0.0085	6	385	398	TVSFASTFAAFLAR					Mascot
1488.7845	1488.793	0.0085	6	385	398	TVSFASTFAAFLAR	123	100			Mascot
1719.8547	1719.8651	0.0104	6	475	489	TSRPDTAVIYNPEEK					Mascot
1719.8547	1719.8651	0.0104	6	475	489	TSRPDTAVIYNPEEK	67	99.994			Mascot
1736.8887	1736.8948	0.0061	4	598	613	SGKPQELLDMFGISAK			Oxidation (M)[10]		Mascot
1751.817	1751.8267	0.0097	6	252	266	GIEDQDNWHGKMPK					Mascot
1767.8119	1767.8225	0.0106	6	252	266	GIEDQDNWHGKMPK			Oxidation (M)[13]		Mascot
1893.9817	1893.9919	0.0102	5	186	202	LGQSEPAPLQHN NVYK	83	100			Mascot
1893.9817	1893.9919	0.0102	5	186	202	LGQSEPAPLQHN NVYK					Mascot
1901.9908	1902.0004	0.0096	5	75	92	GHAAPILYAAWAEAGYIK					Mascot
1999.943	1999.9546	0.0116	6	442	459	AIPTCTVFYPSDGVSTER	138	100	Carbamidomethyl (C)[5]		Mascot
1999.943	1999.9546	0.0116	6	442	459	AIPTCTVFYPSDGVSTER			Carbamidomethyl (C)[5]		Mascot
2114.1855	2114.1997	0.0142	7	534	553	VIDPFTIKPLDASTIVASAR					Mascot
2114.1855	2114.1997	0.0142	7	534	553	VIDPFTIKPLDASTIVASAR	138	100			Mascot
2175.1404	2175.1536	0.0132	6	568	589	EGGLGEAVLSAVGEEPGI VVHR	222	100			Mascot
2175.1404	2175.1536	0.0132	6	568	589	EGGLGEAVLSAVGEEPGI VVHR					Mascot
2294.1663	2294.178	0.0117	5	475	494	TSRPDTAVIYNPEEKFEIGK					Mascot

	2432.1406	2432.1536	0.013	5	362	382	YIECFIAEQNMVSVAIGCA TR	160	100	Carbamidomethyl (C)[4,18]	Mascot	
	2432.1406	2432.1536	0.013	5	362	382	YIECFIAEQNMVSVAIGCA TR			Carbamidomethyl (C)[4,18]	Mascot	
	2448.1355	2448.1565	0.021	9	362	382	YIECFIAEQNMVSVAIGCA TR			Carbamidomethyl (C)[4,18], Oxidation (M)[11]	Mascot	
	2457.3096	2457.3267	0.0171	7	504	527	DQVTVIGAGVTLHEALAA HDQLAK	120	100		Mascot	
	2457.3096	2457.3267	0.0171	7	504	527	DQVTVIGAGVTLHEALAA HDQLAK				Mascot	
	2489.0747	2489.1013	0.0266	11	205	225	CEAFGFNTYVVDGHDVE ELCK			Carbamidomethyl (C)[1,20]	Mascot	
	2515.2319	2515.2617	0.0298	12	114	139	LAFVDVATGSLGQGLGA ACGMAYTGK			Carbamidomethyl (C)[19]	Mascot	
	2531.2268	2531.2527	0.0259	10	114	139	LAFVDVATGSLGQGLGA ACGMAYTGK			Carbamidomethyl (C)[19], Oxidation (M)[21]	Mascot	
	3103.6423	3103.6582	0.0159	5	267	293	DRAEELINDLLSQIQSPN KPLYPQPPK				Mascot	
2	Tkt protein [Danio rerio]				gi 182890016	67962.5	6.79	22	1,310	100	1158	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.421	864.4554	0.0344	40	57	63	YKADDPR					Mascot
959.5156	959.5181	0.0025	3	93	100	ESDLLNLR					Mascot
1060.4768	1060.4849	0.0081	8	347	355	NSTFADMFK					Mascot
1076.4717	1076.4808	0.0091	8	347	355	NSTFADMFK			Oxidation (M)[7]		Mascot
1103.5731	1103.5774	0.0043	4	559	567	VITVEDHYK					Mascot
1112.5081	1112.5123	0.0042	4	226	234	YMWEAEGVK					Mascot
1128.5031	1128.5116	0.0085	8	226	234	YMWEAEGVK			Oxidation (M)[2]		Mascot
1354.7689	1354.7772	0.0083	6	174	185	LDNLVAILDVNR	108	100			Mascot
1354.7689	1354.7772	0.0083	6	174	185	LDNLVAILDVNR					Mascot
1436.738	1436.7474	0.0094	7	101	113	KIDSDLEGHPTPK					Mascot
1488.7845	1488.793	0.0085	6	385	398	TVSFASTFAAFLAR					Mascot
1488.7845	1488.793	0.0085	6	385	398	TVSFASTFAAFLAR	123	100			Mascot
1719.8547	1719.8651	0.0104	6	475	489	TSRPDTAVIYNPEEK					Mascot
1719.8547	1719.8651	0.0104	6	475	489	TSRPDTAVIYNPEEK	67	99.994			Mascot
1736.8887	1736.8948	0.0061	4	598	613	SGKPQELLDMFGISAK			Oxidation (M)[10]		Mascot
1751.817	1751.8267	0.0097	6	252	266	GIEDQDNWHGKMPK					Mascot
1767.8119	1767.8225	0.0106	6	252	266	GIEDQDNWHGKMPK			Oxidation (M)[13]		Mascot
1893.9817	1893.9919	0.0102	5	186	202	LGQSEPAPLQHNVNVYK	83	100			Mascot
1893.9817	1893.9919	0.0102	5	186	202	LGQSEPAPLQHNVNVYK					Mascot
1901.9908	1902.0004	0.0096	5	75	92	GHAAPILYAAWAEAGYIK					Mascot
1994.0415	1993.9897	-0.0518	-26	226	243	YMWEAEGVKGKPTAIVA			Oxidation (M)[2]		Mascot

1999.943	1999.9546	0.0116	6	442	459	K AIPCTVFYPSDGVSTER	138	100	Carbamidomethyl (C)[5]	Mascot
1999.943	1999.9546	0.0116	6	442	459	AIPCTVFYPSDGVSTER			Carbamidomethyl (C)[5]	Mascot
2114.1855	2114.1997	0.0142	7	534	553	VIDPFTIKPLDASTIVASA R				Mascot
2114.1855	2114.1997	0.0142	7	534	553	VIDPFTIKPLDASTIVASA R	138	100		Mascot
2175.1404	2175.1536	0.0132	6	568	589	EGGLGEAVLSAVGEEP GVVHR	222	100		Mascot
2175.1404	2175.1536	0.0132	6	568	589	EGGLGEAVLSAVGEEP GVVHR				Mascot
2294.1663	2294.178	0.0117	5	475	494	TSRPDTAVIYNPEEK FEIGK				Mascot
2432.1406	2432.1536	0.013	5	362	382	YIECFIAEQNMVSVAIG CASTR	160	100	Carbamidomethyl (C)[4,18]	Mascot
2432.1406	2432.1536	0.013	5	362	382	YIECFIAEQNMVSVAIG CASTR			Carbamidomethyl (C)[4,18]	Mascot
2448.1355	2448.1565	0.021	9	362	382	YIECFIAEQNMVSVAIG CASTR			Carbamidomethyl (C)[4,18], Oxidation (M)[11]	Mascot
2457.3096	2457.3267	0.0171	7	504	527	DQVTVIGAGVTLHEAL AAHDQLAK	120	100		Mascot
2457.3096	2457.3267	0.0171	7	504	527	DQVTVIGAGVTLHEAL AAHDQLAK				Mascot
2515.2319	2515.2617	0.0298	12	114	139	LAFVDVATGSLGQGLG AACGMAYTGK			Carbamidomethyl (C)[19]	Mascot
2531.2268	2531.2527	0.0259	10	114	139	LAFVDVATGSLGQGLG AACGMAYTGK			Carbamidomethyl (C)[19], Oxidation (M)[21]	Mascot
3103.6423	3103.6582	0.0159	5	267	293	DRAEELINDLLSQIQSP NKPLYPQPPK				Mascot

3

transketolase [Danio rerio]

gi|31872040

67811.3

6.81

20

1,200

100

1070

100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
901.5101	901.5135	0.0034	4	93	100	ASDLLNLR	54	99.889		Mascot
901.5101	901.5135	0.0034	4	93	100	ASDLLNLR				Mascot
1028.4982	1028.5013	0.0031	3	226	234	AMWHAEGVK				Mascot
1060.4768	1060.4849	0.0081	8	347	355	NSTFADMFK				Mascot
1076.4717	1076.4808	0.0091	8	347	355	NSTFADMFK			Oxidation (M)[7]	Mascot
1103.5731	1103.5774	0.0043	4	559	567	VITVEDHYK				Mascot
1354.7689	1354.7772	0.0083	6	174	185	LDNLVAILDVNR	108	100		Mascot
1354.7689	1354.7772	0.0083	6	174	185	LDNLVAILDVNR				Mascot
1436.738	1436.7474	0.0094	7	101	113	KIDSDLEGHPTPK				Mascot
1488.7845	1488.793	0.0085	6	385	398	TVSFASTFAAFLAR				Mascot
1488.7845	1488.793	0.0085	6	385	398	TVSFASTFAAFLAR	123	100		Mascot
1719.8547	1719.8651	0.0104	6	475	489	TSRPDTAVIYNPEEK				Mascot
1719.8547	1719.8651	0.0104	6	475	489	TSRPDTAVIYNPEEK	67	99.994		Mascot
1736.8887	1736.8948	0.0061	4	598	613	SGKPQELLDMFGISAK			Oxidation (M)[10]	Mascot

1751.817	1751.8267	0.0097	6	252	266	GIEDQDNWHGKMPK						Mascot
1767.8119	1767.8225	0.0106	6	252	266	GIEDQDNWHGKMPK				Oxidation (M)[13]		Mascot
1893.9817	1893.9919	0.0102	5	186	202	LGQSEPAPLQHNVNVYK	83	100				Mascot
1893.9817	1893.9919	0.0102	5	186	202	LGQSEPAPLQHNVNVYK						Mascot
1901.9908	1902.0004	0.0096	5	75	92	GHAAPILYAAWAEAGYIK						Mascot
2114.1855	2114.1997	0.0142	7	534	553	VIDPFTIKPLDASTIVASAR						Mascot
2114.1855	2114.1997	0.0142	7	534	553	VIDPFTIKPLDASTIVASAR	138	100				Mascot
2175.1404	2175.1536	0.0132	6	568	589	EGGLGEAVLSAVGEEPGI VVHR	222	100				Mascot
2175.1404	2175.1536	0.0132	6	568	589	EGGLGEAVLSAVGEEPGI VVHR						Mascot
2294.1663	2294.178	0.0117	5	475	494	TSRPDTAVIYNPEEKFEIGK						Mascot
2432.1406	2432.1536	0.013	5	362	382	YIECFIAEQNMVSVAIGCATR	160	100	Carbamidomethyl (C)[4,18]			Mascot
2432.1406	2432.1536	0.013	5	362	382	YIECFIAEQNMVSVAIGCATR			Carbamidomethyl (C)[4,18]			Mascot
2448.1355	2448.1565	0.021	9	362	382	YIECFIAEQNMVSVAIGCATR			Carbamidomethyl (C)[4,18], Oxidation (M)[11]			Mascot
2457.3096	2457.3267	0.0171	7	504	527	DQVTVIGAGVTLHEALAA HDQLAK	120	100				Mascot
2457.3096	2457.3267	0.0171	7	504	527	DQVTVIGAGVTLHEALAA HDQLAK						Mascot
2489.0747	2489.1013	0.0266	11	205	225	CEAFGFNTYVVDGHDVE ELCK			Carbamidomethyl (C)[1,20]			Mascot
2515.2319	2515.2617	0.0298	12	114	139	LAFVDVATGSLGQGLGA ACGMAYTGK			Carbamidomethyl (C)[19]			Mascot
2531.2268	2531.2527	0.0259	10	114	139	LAFVDVATGSLGQGLGA ACGMAYTGK			Carbamidomethyl (C)[19], Oxidation (M)[21]			Mascot
3103.6423	3103.6582	0.0159	5	267	293	DRAEELINDLLSQIQSPN KPLYPQPPK						Mascot

4 novel protein similar to vertebrate pim oncogene family [Danio rerio] gi|55962882 32334.2 8.77 8 53 79.659

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
901.5464	901.5135	-0.0329	-36	49	56	IVDSKALR	15	0			Mascot
901.5464	901.5135	-0.0329	-36	49	56	IVDSKALR					Mascot
959.5342	959.5181	-0.0161	-17	106	113	LIPSMNLR			Oxidation (M)[5]		Mascot
1342.7729	1342.6414	-0.1315	-98	83	93	VKQIAELLDWK					Mascot
1365.7446	1365.6426	-0.102	-75	168	179	LIDFGCSVLLTK			Carbamidomethyl (C)[6]		Mascot
1475.8217	1475.7635	-0.0582	-39	94	105	VEAERYIIVVER					Mascot
1707.8127	1707.7886	-0.0241	-14	131	145	IMFNVTIAAHTCCQR					Mascot
1908.9241	1908.9456	0.0215	11	130	145	KIMFNVTIAAHTCCQR			Carbamidomethyl (C)[13], Oxidation (M)[3]		Mascot
2432.3376	2432.1536	-0.184	-76	202	222	YHGEPATVWSLGILQFLL					Mascot

	2432.3376	2432.1536	-0.184	-76	202	222	LFK YHGEPATVWSLGILQFLL LFK									Mascot	
5	novel protein similar to vertebrate pim oncogene family [Danio rerio]					gi 55962348	32151.9	6.97	8	53	79.185						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
901.5464	901.5135	-0.0329	-36	49	56	IVDSKALR	15	0			Mascot
901.5464	901.5135	-0.0329	-36	49	56	IVDSKALR					Mascot
959.5342	959.5181	-0.0161	-17	106	113	LIPSMNLR			Oxidation (M)[5]		Mascot
1342.7729	1342.6414	-0.1315	-98	83	93	VKQIAELLDWK					Mascot
1365.7446	1365.6426	-0.102	-75	168	179	LIDFGCSVLLTK			Carbamidomethyl (C)[6]		Mascot
1475.8217	1475.7635	-0.0582	-39	94	105	VEAERYIIVVER					Mascot
1707.8127	1707.7886	-0.0241	-14	131	145	IMFNVITIAHTCCQR					Mascot
1908.9241	1908.9456	0.0215	11	130	145	KIMFNVITIAHTCCQR			Carbamidomethyl (C)[13], Oxidation (M)[3]		Mascot
2432.3376	2432.1536	-0.184	-76	202	222	YHGEPATVWSLGILQFLL LFK					Mascot
2432.3376	2432.1536	-0.184	-76	202	222	YHGEPATVWSLGILQFLL LFK					Mascot

6	Si:dkey-180p18.9 protein [Danio rerio]					gi 63101286	38863	6.56	6	50	59.415	28	54.216			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.5455	0.0674	79	318	324	TILSFNR					Mascot
901.5465	901.5135	-0.033	-37	274	281	TTAQVLIR	28	54.216			Mascot
901.5465	901.5135	-0.033	-37	274	281	TTAQVLIR					Mascot
1028.4805	1028.5013	0.0208	20	328	336	ACPMHWGVK					Mascot
1112.631	1112.5123	-0.1187	-107	53	63	SPPGKVTEAVK					Mascot
1179.6078	1179.6071	-0.0007	-1	11	21	FCTEPGSVVLK					Mascot
2531.2883	2531.2527	-0.0356	-14	11	33	FCTEPGSVVLKSSVLNLS FTMSK			Carbamidomethyl (C)[2]		Mascot

7	hypothetical protein LOC553738 [Danio rerio]					gi 66472320	27546.3	9.57	11	46	0.375					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1128.4561	1128.5116	0.0555	49	132	141	CDQCGQTFAR					Mascot
1165.6212	1165.7528	0.1316	113	194	203	TFVTADDLKR					Mascot

	1179.615	1179.6071	-0.0079	-7	166	175	SCTRQSSLIK		Carbamidomethyl (C)[2]	Mascot
	1365.6501	1365.6426	-0.0075	-5	13	25	TGEKPITCTQCGK			Mascot
	1736.7843	1736.8948	0.1105	64	151	165	VHTNERPYSCSVCGK		Carbamidomethyl (C)[10]	Mascot
	1751.8601	1751.8267	-0.0334	-19	10	25	MVRTGEKPITCTQCGK			Mascot
	1767.855	1767.8225	-0.0325	-18	10	25	MVRTGEKPITCTQCGK		Oxidation (M)[1]	Mascot
	1862.7982	1863.073	0.2748	148	207	221	IHTGEKPYMCSHCDK		Carbamidomethyl (C)[10,13]	Mascot
	2113.9568	2114.1997	0.2429	115	185	202	EHVCFECEKTFVTADDLK			Mascot
	2113.9568	2114.1997	0.2429	115	185	202	EHVCFECEKTFVTADDLK			Mascot
	2233.0752	2233.105	0.0298	13	147	165	FHLRVHTNERPYSCSVC GK			Mascot
	2284.0168	2284.1877	0.1709	75	204	221	HQRIHTGEKPYMCSHCD K		Carbamidomethyl (C)[13,16]	Mascot
	2298.0171	2298.198	0.1809	79	151	169	VHTNERPYSCSVCGKSC TR		Carbamidomethyl (C)[10,13,17]	Mascot
8	cutC copper transporter homolog [Danio rerio]				gi 54400594	27229.9	5.63	6	46	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.4138	870.5441	0.1303	150	209	215	DSSMKFR					Mascot
901.5464	901.5135	-0.0329	-36	234	241	VADVTKIR	16	0			Mascot
901.5464	901.5135	-0.0329	-36	234	241	VADVTKIR					Mascot
1028.6099	1028.5013	-0.1086	-106	242	251	ALNAIAKNTL					Mascot
2294.064	2294.178	0.114	50	2	22	SDGLLMEVCVDSVESAIN AER			Carbamidomethyl (C)[9]		Mascot
2384.0779	2384.0769	-0.001	0	1	22	MSDGLLMEVCVDSVESAI NAER			Oxidation (M)[1]		Mascot
2457.0942	2457.3267	0.2325	95	1	22	MSDGLLMEVCVDSVESAI NAER			Carbamidomethyl (C)[10], Oxidation (M)[1,7]		Mascot
2457.0942	2457.3267	0.2325	95	1	22	MSDGLLMEVCVDSVESAI NAER			Carbamidomethyl (C)[10], Oxidation (M)[1,7]		Mascot
2489.2744	2489.1013	-0.1731	-70	126	147	AFDMVHDPLVALETLSL GFER			Oxidation (M)[4]		Mascot

9	PREDICTED: polyphosphoinositide phosphatase [Danio rerio]				gi 326681249	37784.5	8.99	3	45	0	37	94.223
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.457	850.5455	0.0885	104	293	298	YVWNLNR					Mascot
901.4559	901.5135	0.0576	64	109	115	CLPENLR	37	94.223	Carbamidomethyl (C)[1]		Mascot
901.4559	901.5135	0.0576	64	109	115	CLPENLR			Carbamidomethyl (C)[1]		Mascot
1342.6862	1342.6414	-0.0448	-33	211	221	VTHPDEARYVR					Mascot

10	protein BTG3 [Danio rerio]				gi 55925203	18115.1	5.85	7	45	0
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Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	901.5353	901.5135	-0.0218	-24	34	41 LTVALQEK						Mascot
	901.5353	901.5135	-0.0218	-24	34	41 LTVALQEK						Mascot
	1112.504	1112.5123	0.0083	7	75	84 ACAESGVQYK				Carbamidomethyl (C)[2]		Mascot
	1735.8683	1735.8551	-0.0132	-8	75	90 ACAESGVQYKDLGLPK				Carbamidomethyl (C)[2]		Mascot
	2211.0208	2211.1179	0.0971	44	91	108 ELTLWVDPGEVCCRYGE K				Carbamidomethyl (C)[12,13]		Mascot
	2224.9412	2225.1333	0.1921	86	139	158 VTSDYHSGSSSDEDSML VHR				Oxidation (M)[16]		Mascot
	2357.1628	2357.1431	-0.0197	-8	85	104 DLGLPKELTLWVDPGEV CCR				Carbamidomethyl (C)[18,19]		Mascot
	2457.0688	2457.3267	0.2579	105	109	130 NHGFTVATFSSEDDDDK EDVTK						Mascot
	2457.0688	2457.3267	0.2579	105	109	130 NHGFTVATFSSEDDDDK EDVTK						Mascot
11	isobutyryl-CoA dehydrogenase, mitochondrial [Danio rerio]				gij 41055941		45197.7	8.33	6	45	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	901.54	901.5135	-0.0265	-29	1	8 MAARALIR		27	52.278			Mascot
	901.54	901.5135	-0.0265	-29	1	8 MAARALIR						Mascot
	1103.548	1103.5774	0.0294	27	182	191 GDHYILNGSK						Mascot
	1354.6671	1354.7772	0.1101	81	261	273 LGTEGGQGFSIAMK				Oxidation (M)[12]		Mascot
	1354.6671	1354.7772	0.1101	81	261	273 LGTEGGQGFSIAMK				Oxidation (M)[12]		Mascot
	1862.8411	1863.073	0.2319	124	192	208 AFISGGGDTDVYVVMCR				Carbamidomethyl (C)[16], Oxidation (M)[15]		Mascot
	1908.9596	1908.9456	-0.014	-7	261	279 LGTEGGQGFSIAMKGLNG GR				Oxidation (M)[12]		Mascot
	1924.0432	1923.98	-0.0632	-33	280	298 INIASC SLGAAHASVLLAR				Carbamidomethyl (C)[6]		Mascot
12	Ewing tumor-associated antigen 1 [Danio rerio]				gij 162139038		71948.4	6.84	12	43	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	996.5836	996.6034	0.0198	20	28	37 SPKAAAPLNK						Mascot
	1103.5327	1103.5774	0.0447	41	5	14 GSQEQNEIAK						Mascot
	1210.7054	1210.6071	-0.0983	-81	592	601 FKKPHGELVR						Mascot
	1475.7085	1475.7635	0.055	37	2	14 ESRGSQEQNEIAK						Mascot

	1488.7917	1488.793	0.0013	1	38	50	NTAEFKTPTRPAR										Mascot
	1488.7917	1488.793	0.0013	1	38	50	NTAEFKTPTRPAR										Mascot
	1862.9071	1863.073	0.1659	89	489	505	SFATSENAVFAHPYPPK										Mascot
	1880.9573	1880.9967	0.0394	21	575	591	GVLAVIQSEARDTDNHR										Mascot
	1994.0526	1993.9897	-0.0629	-32	334	351	TKVSQLNNSIQINGGLHR										Mascot
	2197.1216	2197.137	0.0154	7	314	333	NAVSVMTNKPCEAKNVG LHK					Carbamidomethyl (C)[11]					Mascot
	2211.155	2211.1179	-0.0371	-17	413	432	NAIKPSQSKPSSMHQNLI SK					Oxidation (M)[13]					Mascot
	2384.0354	2384.0769	0.0415	17	524	548	AAGPGCNVSCDAARPSG SSSNGAYK					Carbamidomethyl (C)[6]					Mascot
	2479.3198	2479.3062	-0.0136	-5	413	434	NAIKPSQSKPSSMHQNLI SKQR										Mascot

13 PREDICTED: UDP-GlcNAc:betaGal
beta-1,3-N-acetylglucosaminyltransferase 2 [Danio
rerio] gi|125843963 48322.6 8.69 10 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
864.411	864.4554	0.0444	51	84	90	NGAFWNR						Mascot
1028.3846	1028.5013	0.1167	113	412	420	SMHSSMLTC				Oxidation (M)[2,6]		Mascot
1103.5215	1103.5774	0.0559	51	210	219	SSLDDPNLDK						Mascot
1165.5847	1165.7528	0.1681	144	193	202	EGEYDGLKVR						Mascot
1179.5753	1179.6071	0.0318	27	378	386	TFDIREQDR						Mascot
1354.6168	1354.7772	0.1604	118	383	393	EQDRENPCVHK						Mascot
1354.6168	1354.7772	0.1604	118	383	393	EQDRENPCVHK						Mascot
1436.6879	1436.7474	0.0595	41	112	123	FHCSPESFELLK						Mascot
1736.8763	1736.8948	0.0185	11	253	266	WMLGHCPRVSFIFK				Oxidation (M)[2]		Mascot
1751.9486	1751.8267	-0.1219	-70	387	400	ENPCVHKHLLLVHR				Carbamidomethyl (C)[4]		Mascot
2457.3323	2457.3267	-0.0056	-2	5	25	YMKFLIVALASSLCFILFY SK						Mascot
2457.3323	2457.3267	-0.0056	-2	5	25	YMKFLIVALASSLCFILFY SK						Mascot

14 Si:dkey-180p18.9 protein [Danio rerio] gi|50604191 36662.8 6.44 4 40 0 28 54.216

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4781	850.5455	0.0674	79	299	305	TILSFNR						Mascot
901.5465	901.5135	-0.033	-37	255	262	TTAQVLIR	28	54.216				Mascot
901.5465	901.5135	-0.033	-37	255	262	TTAQVLIR						Mascot
1028.4805	1028.5013	0.0208	20	309	317	ACPMHWGVK						Mascot

Mascot

15	novel protein similar to vertebrate stabilin 2 (STAB2) [Danio rerio]	gi 148725539	264800.5	6.26	16	40	0	30	73.04
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
901.5464	901.5135	-0.0329	-36	1587	1594 ASIDLVKR	30	73.04		Mascot
901.5464	901.5135	-0.0329	-36	1587	1594 ASIDLVKR				Mascot
1045.5789	1045.5679	-0.011	-11	1756	1763 YHILRDTK				Mascot
1103.472	1103.5774	0.1054	96	1437	1447 NGGCSAHAVCK		Carbamidomethyl (C)[4]		Mascot
1179.6117	1179.6071	-0.0046	-4	1557	1565 NRIYELDTR				Mascot
1210.5885	1210.6071	0.0186	15	1837	1846 QTIDFTVACR		Carbamidomethyl (C)[9]		Mascot
1342.6942	1342.6414	-0.0528	-39	2435	2444 TKPFQFHYFK				Mascot
1354.6783	1354.7772	0.0989	73	1259	1270 CDKATSILFSGR		Carbamidomethyl (C)[1]		Mascot
1354.6783	1354.7772	0.0989	73	1259	1270 CDKATSILFSGR		Carbamidomethyl (C)[1]		Mascot
1475.7059	1475.7635	0.0576	39	2208	2221 CGSGHVGIVDYGVR		Carbamidomethyl (C)[1]		Mascot
1488.6896	1488.793	0.1034	69	662	674 YMAPCVSCTLISK		Carbamidomethyl (C)[5], Oxidation (M)[2]		Mascot
1488.6896	1488.793	0.1034	69	662	674 YMAPCVSCTLISK		Carbamidomethyl (C)[5], Oxidation (M)[2]		Mascot
1542.6675	1542.8931	0.2256	146	147	159 TDLYGPTCSNVCR		Carbamidomethyl (C)[8,12]		Mascot
1736.9065	1736.8948	-0.0117	-7	1081	1097 TLPVYSTNDTTIVAGGK				Mascot
2114.0732	2114.1997	0.1265	60	695	714 KQLGLSLPSIGCSHCND TK				Mascot
2114.0732	2114.1997	0.1265	60	695	714 KQLGLSLPSIGCSHCND TK				Mascot
2156.9595	2157.1462	0.1867	87	1271	1288 CMDCFQTIINPCPSGTTK		Carbamidomethyl (C)[1,4,12]		Mascot
2196.9504	2197.137	0.1866	85	267	287 VCMPIDPCQTNLGNCTS GSTR				Mascot
2284.0486	2284.1877	0.1391	61	1511	1528 NCELINLCKEGSHLYYDR		Carbamidomethyl (C)[2,8]		Mascot
2384.0098	2384.0769	0.0671	28	267	287 VCMPIDPCQTNLGNCTS GSTR		Carbamidomethyl (C)[2,8,15], Oxidation (M)[3]		Mascot
2531.3525	2531.2527	-0.0998	-39	494	516 LMDAVPSTVISEKEESLL ELSK				Mascot

16	novel protein similar to vertebrate aldo-keto reductase family 1 [Danio rerio]	gi 56207864	38502.8	6.73	4	40	0	28	54.216
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Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.5455	0.0674	79	316	322	TILSFNR					Mascot
901.5465	901.5135	-0.033	-37	272	279	TTAQVLIR	28	54.216			Mascot

	901.5465	901.5135	-0.033	-37	272	279	TTAQVLIR										Mascot
	1028.4805	1028.5013	0.0208	20	326	334	ACPMHWGVK										Mascot
	1112.631	1112.5123	-0.1187	-107	51	61	SPPGKVTEAVK										Mascot

17 PREDICTED: diacylglycerol kinase beta-like, partial [Danio rerio] gi|326674321 85995.9 6.78 13 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4229	842.5153	0.0924	110	153	158	LEFMFR					Mascot
864.4032	864.4554	0.0522	60	455	462	SGPMPGYR					Mascot
901.5353	901.5135	-0.0218	-24	678	685	KTTIVDPK					Mascot
901.5353	901.5135	-0.0218	-24	678	685	KTTIVDPK					Mascot
1045.4264	1045.5679	0.1415	135	270	278	QGLCCSFCK			Carbamidomethyl (C)[4]		Mascot
1112.6497	1112.5123	-0.1374	-123	112	121	LIKGSCPPLK			Carbamidomethyl (C)[6]		Mascot
1210.5455	1210.6071	0.0616	51	455	465	SGPMPGYRSCR					Mascot
1707.8007	1707.7886	-0.0121	-7	534	547	DVQDSSEVMLDRWK					Mascot
2157.0005	2157.1462	0.1457	68	302	319	KNTEIMHHFWVEGNCPK					Mascot
2283.2488	2283.1914	-0.0574	-25	115	135	GSCPPLKVTSQSRPLSTV			Carbamidomethyl (C)[3]		Mascot
2284.0591	2284.1877	0.1286	56	153	171	LEFMFRLYDTDGNGFLD			Oxidation (M)[4]		Mascot
2432.0581	2432.1536	0.0955	39	303	322	NTEIMHHFWVEGNCPK			Carbamidomethyl (C)[14]		Mascot
2432.0581	2432.1536	0.0955	39	303	322	CDK			Carbamidomethyl (C)[14]		Mascot
2448.053	2448.1565	0.1035	42	303	322	NTEIMHHFWVEGNCPK			Carbamidomethyl (C)[14], Oxidation (M)[5]		Mascot
2479.3022	2479.3062	0.004	2	248	269	LKHFSKPAYCNLCNMLI			Oxidation (M)[16]		Mascot
2488.1682	2488.1079	-0.0603	-24	329	348	GLGK			Carbamidomethyl (C)[1,10,13]		Mascot
2489.0796	2489.1013	0.0217	9	303	322	CYQGLTGLHCVWCQITL			Carbamidomethyl (C)[14,18]		Mascot
						HNK					
						NTEIMHHFWVEGNCPK					
						CDK					

18 PREDICTED: uncharacterized protein C11orf95 homolog [Danio rerio] gi|326669276 70864.2 5.62 11 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.4619	1045.5679	0.106	101	1	9	MDEAESVHK					Mascot
1112.5232	1112.5123	-0.0109	-10	167	175	SGWENHLNR					Mascot
1365.5272	1365.6426	0.1154	85	530	539	MDFLMDYDCR			Carbamidomethyl (C)[9]		Mascot
1436.6007	1436.7474	0.1467	102	530	540	MDFLMDYDCRK					Mascot

	1475.7166	1475.7635	0.0469	32	151	162	HPYSLWLTESDK								Mascot
	1751.8494	1751.8267	-0.0227	-13	431	445	KHIQECHPETSSLSR								Mascot
	1862.8185	1863.073	0.2545	137	1	16	MDEAESVHKAQTESR				Oxidation (M)[1]				Mascot
	2114.0222	2114.1997	0.1775	84	291	308	SHMLELHPNSLLYSAAEEK				Oxidation (M)[3]				Mascot
	2114.0222	2114.1997	0.1775	84	291	308	SHMLELHPNSLLYSAAEEK				Oxidation (M)[3]				Mascot
	2175.1697	2175.1536	-0.0161	-7	541	561	HGLICMVCGATLATLKVS TIK				Oxidation (M)[6]				Mascot
	2175.1697	2175.1536	-0.0161	-7	541	561	HGLICMVCGATLATLKVS TIK				Oxidation (M)[6]				Mascot
	2197.1001	2197.137	0.0369	17	272	290	LVCMVCSCLPSLHLDHI K				Carbamidomethyl (C)[3], Oxidation (M)[4]				Mascot
	2298.1687	2298.198	0.0293	13	124	144	QGMICMVCSSSLATLKLS TIK				Carbamidomethyl (C)[5,8]				Mascot
19	hypothetical protein LOC100142653 [Danio rerio]				gi 169790892		51963.8	6.07	2	38	0	38	96.076		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
901.5101	901.5135	0.0034	4	350	357	SDVILQAR	38	96.076				Mascot
901.5101	901.5135	0.0034	4	350	357	SDVILQAR						Mascot
2294.2463	2294.178	-0.0683	-30	350	371	SDVILQARGSSSTVLLADG NHLK						Mascot

20 novel protein containing an EMI domain [Danio rerio] gi|148725612 46007.5 9.47 3 38 0 31 78.486

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
842.4188	842.5153	0.0965	115	425	431	AKMSSFR				Oxidation (M)[3]		Mascot
901.456	901.5135	0.0575	64	9	15	CLQIPDR	31	78.486		Carbamidomethyl (C)[1]		Mascot
901.456	901.5135	0.0575	64	9	15	CLQIPDR				Carbamidomethyl (C)[1]		Mascot
1342.6709	1342.6414	-0.0295	-22	220	234	GDVGTRGPSGAPGSK						Mascot

21 PREDICTED: hypothetical protein LOC100003636 [Danio rerio] gi|292612849 55164.8 4.93 4 38 0 28 59.847

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
901.5213	901.5135	-0.0078	-9	34	41	AEVRSALR	28	59.847				Mascot
901.5213	901.5135	-0.0078	-9	34	41	AEVRSALR						Mascot
1028.516	1028.5013	-0.0147	-14	109	115	EYYERLR						Mascot
1365.6182	1365.6426	0.0244	18	104	113	HESPREYER						Mascot
2531.271	2531.2527	-0.0183	-7	147	167	QQLALFNIEKIWAMSEPD						Mascot

22 PREDICTED: hypothetical protein LOC100331078 QNR
 [Danio rerio] gi|326668546 57666.5 8.69 11 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
959.5342	959.5181	-0.0161	-17	46	54	DLIGCIIGR					Mascot
1179.5211	1179.6071	0.086	73	389	398	QMNWSGANQK			Oxidation (M)[2]		Mascot
1210.7153	1210.6071	-0.1082	-89	5	15	HSGVVTLIKEK					Mascot
1365.7485	1365.6426	-0.1059	-78	35	45	RIEDDLHQVLK					Mascot
1719.8469	1719.8651	0.0182	11	465	479	KENGGDILELLELMK			Oxidation (M)[14]		Mascot
1719.8469	1719.8651	0.0182	11	465	479	KENGGDILELLELMK			Oxidation (M)[14]		Mascot
1736.8319	1736.8948	0.0629	36	14	28	EKAPNAVGTCHMLHR			Carbamidomethyl (C)[11], Oxidation (M)[12]		Mascot
1901.9347	1902.0004	0.0657	35	281	296	TYCNSSCLSLLELIK			Carbamidomethyl (C)[3,7]		Mascot
1993.943	1993.9897	0.0467	23	64	82	QMSGAIKIANAMEGSSDR					Mascot
2196.9939	2197.137	0.1431	65	261	280	SSTPRNIYSPCSSAVGDQDR			Carbamidomethyl (C)[11]		Mascot
2384.2788	2384.0769	-0.2019	-85	132	154	ICSSSSLTLPRLIGCIIGHQGTK					Mascot
2488.1694	2488.1079	-0.0615	-25	466	487	ENGGDILELLELMKQVGMEHSK			Oxidation (M)[13]		Mascot

23 PREDICTED: pericentrin [Danio rerio] gi|326668478 491858 4.98 29 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4995	842.5153	0.0158	19	15	21	AKLAHFR					Mascot
864.3581	864.4554	0.0973	113	1982	1988	EESDQEK					Mascot
882.5155	882.5723	0.0568	64	3606	3612	SEIHKLR					Mascot
901.5101	901.5135	0.0034	4	1827	1833	KEEQVIR	19	0			Mascot
901.5101	901.5135	0.0034	4	1827	1833	KEEQVIR					Mascot
959.4904	959.5181	0.0277	29	3810	3816	EQEEIRR					Mascot
1028.4604	1028.5013	0.0409	40	891	898	AELEYMEK			Oxidation (M)[6]		Mascot
1045.4908	1045.5679	0.0771	74	1472	1480	QAEAEVNER					Mascot
1060.5634	1060.4849	-0.0785	-74	1834	1842	DELRSELAKE					Mascot
1076.5331	1076.4808	-0.0523	-49	1285	1293	SSRVDDIER					Mascot
1103.5878	1103.5774	-0.0104	-9	1192	1200	ELKQALMDR					Mascot
1112.5847	1112.5123	-0.0724	-65	1318	1325	TYFEQRLR					Mascot
1128.5392	1128.5116	-0.0276	-24	3753	3762	QESASAHDRK					Mascot

	1179.5674	1179.6071	0.0397	34	1115	1124	TSVEQLQSQCK		Carbamidomethyl (C)[9]		Mascot		
	1210.5698	1210.6071	0.0373	31	1540	1549	NRASEEFTEK				Mascot		
	1342.6671	1342.6414	-0.0257	-19	3003	3013	QEMTSKTNYIK				Mascot		
	1475.7522	1475.7635	0.0113	8	3623	3635	QTCLQAVEKEQAK				Mascot		
	1488.838	1488.793	-0.045	-30	1488	1500	VTQLESRLSQLSK				Mascot		
	1488.838	1488.793	-0.045	-30	1488	1500	VTQLESRLSQLSK				Mascot		
	1719.8547	1719.8651	0.0104	6	3592	3605	TELQSSYKHQEELK				Mascot		
	1719.8547	1719.8651	0.0104	6	3592	3605	TELQSSYKHQEELK				Mascot		
	1767.8503	1767.8225	-0.0278	-16	828	842	LTCLKENLTSMEEEEK				Mascot		
	1993.9937	1993.9897	-0.004	-2	3014	3031	ELHEQQEAAVAKQGEAQ K				Mascot		
	1999.9791	1999.9546	-0.0245	-12	1463	1480	LQSAQEAAARQAEAEVNE R				Mascot		
	1999.9791	1999.9546	-0.0245	-12	1463	1480	LQSAQEAAARQAEAEVNE R				Mascot		
	2157.0969	2157.1462	0.0493	23	3936	3954	HTNISQDSSTPSLIERLM K				Mascot		
	2175.1438	2175.1536	0.0098	5	2014	2032	MSQLTAQLQLD TVVSQ LR		Oxidation (M)[1]		Mascot		
	2175.1438	2175.1536	0.0098	5	2014	2032	MSQLTAQLQLD TVVSQ LR		Oxidation (M)[1]		Mascot		
	2197.052	2197.137	0.085	39	1307	1323	EQNEVELENLRTYFEQR				Mascot		
	2284.1013	2284.1877	0.0864	38	3955	3974	ENSEFSECLAALSEEKISL K		Carbamidomethyl (C)[8]		Mascot		
	2357.1255	2357.1431	0.0176	7	392	410	YEADISNYDLRLQTLKEE R				Mascot		
	2457.1133	2457.3267	0.2134	87	3525	3544	EQGMETQHQ LHSDVKEL EMR		Oxidation (M)[4,19]		Mascot		
	2457.1133	2457.3267	0.2134	87	3525	3544	EQGMETQHQ LHSDVKEL EMR		Oxidation (M)[4,19]		Mascot		
	2488.3042	2488.1079	-0.1963	-79	3152	3174	FLEGLSQDPSLSASLSSP EVLRR				Mascot		
	2515.282	2515.2617	-0.0203	-8	1026	1047	LSLTNLHTAQLELSQSNM QKDK		Oxidation (M)[18]		Mascot		
24	hypothetical protein LOC553452 [Danio rerio]				gi 116235416		35430.1	6.02	3	36	0	28	54.216

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.5455	0.0674	79	288	294	TILSFNR					Mascot
901.5465	901.5135	-0.033	-37	244	251	TTAQVLIR	28	54.216			Mascot
901.5465	901.5135	-0.033	-37	244	251	TTAQVLIR					Mascot
1028.4805	1028.5013	0.0208	20	298	306	ACPMHWGVK					Mascot

25 PREDICTED: hypothetical protein LOC100006878 [Danio rerio]

gi|292628291 6219.4 9.11 4 36 0

Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		1365.6388	1365.6426	0.0038	3	1	13 MGVLVSCEEAPSK			Oxidation (M)[1]		Mascot
		1736.0105	1735.8551	-0.1554	-90	30	45 QGLPLALTHLVGFLEK					Mascot
		2294.3052	2294.178	-0.1272	-55	25	45 TGLMRQGLPLALTHLVGFLEK					Mascot
		2471.2783	2471.1096	-0.1687	-68	1	23 MGVLVSCEEAPSKVFGVPLSHLR			Oxidation (M)[1]		Mascot
26	PREDICTED: hypothetical protein LOC565734 [Danio rerio]						gi 68402113	30582.9	10.05	7	35	0

Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		1165.6324	1165.7528	0.1204	103	118	128 VSPNATHAIIK					Mascot
		1436.7943	1436.7474	-0.0469	-33	80	91 HWCLLLRPVGSR					Mascot
		1475.7634	1475.7635	0.0001	0	1	14 MAEVTGSRNAVINK					Mascot
		1902.0093	1902.0004	-0.0089	-5	20	36 TLLSLHHHPHGPVDSR					Mascot
		2284.0571	2284.1877	0.1306	57	41	60 KSNVCVHWCAADCVWALHNK					Mascot
		2448.3259	2448.1565	-0.1694	-69	15	36 LSAFKTLLSLHHHPHGPVDSR					Mascot
		2479.5107	2479.3062	-0.2045	-82	246	269 EQITGVSVILLLLLGVIINSLKS					Mascot
27	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex 1-like [Danio rerio]						gi 51010919	17698.1	6.16	2	34	0

Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		901.54	901.5135	-0.0265	-29	1	8 MAARILAR	26	30.222			Mascot
		901.54	901.5135	-0.0265	-29	1	8 MAARILAR					Mascot
		1893.9817	1893.9919	0.0102	5	49	65 SSLAQVSGSSLQIFQWR					Mascot
		1893.9817	1893.9919	0.0102	5	49	65 SSLAQVSGSSLQIFQWR					Mascot
28	PREDICTED: hypothetical protein LOC100535442 isoform 2 [Danio rerio]						gi 326668097	11743	9.12	5	34	0

Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		901.5101	901.5135	0.0034	4	31	38 TNDLLAVR	3	0			Mascot
		901.5101	901.5135	0.0034	4	31	38 TNDLLAVR					Mascot

	1128.6483	1128.5116	-0.1367	-121	29	38	ARTNDLLAVR										Mascot
	1436.7493	1436.7474	-0.0019	-1	18	30	LHTETPTDPAKAR										Mascot
	1488.7589	1488.793	0.0341	23	91	103	LTNTCFVITFVCK										Mascot
	1488.7589	1488.793	0.0341	23	91	103	LTNTCFVITFVCK										Mascot
	1893.9601	1893.9919	0.0318	17	91	105	LTNTCFVITFVCKYK					Carbamidomethyl (C)[5,12]					Mascot
	1893.9601	1893.9919	0.0318	17	91	105	LTNTCFVITFVCKYK					Carbamidomethyl (C)[5,12]					Mascot
29	novel protein similar to human and mouse myeloid/lymphoid or mixed-lineage leukemia 3 (MLL3) [Danio						gi 157885936	82601.8	9.38	14	34	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.5189	864.4554	-0.0635	-73	636	642	ELLYKAK					Mascot
870.4679	870.5441	0.0762	88	140	147	SISEGHLK					Mascot
901.4308	901.5135	0.0827	92	286	294	LGATSGCHR					Mascot
901.4308	901.5135	0.0827	92	286	294	LGATSGCHR					Mascot
996.5948	996.6034	0.0086	9	462	470	VLGPVAERR					Mascot
1045.6152	1045.5679	-0.0473	-45	602	611	IQGLGLFAAR					Mascot
1060.4452	1060.4849	0.0397	37	17	24	QQWCQHCK					Mascot
1210.6538	1210.6071	-0.0467	-39	359	369	QLAAAVQQPER					Mascot
1707.8483	1707.7886	-0.0597	-35	499	513	IAESLPGVEACSRYSR			Carbamidomethyl (C)[11]		Mascot
1751.8724	1751.8267	-0.0457	-26	156	169	LHSHLEDKQWHHGK					Mascot
1880.9487	1880.9967	0.048	26	440	456	VIEQGYEDLVLTDTSAK					Mascot
1915.7554	1915.9689	0.2135	111	220	236	CCFCQQIGDGMTDGPARR			Carbamidomethyl (C)[1,2]		Mascot
2225.0112	2225.1333	0.1221	55	668	686	YINHSCSPNCVAEIVTFE			Carbamidomethyl (C)[6]		Mascot
2283.1562	2283.1914	0.0352	15	328	348	GAGAAAGLHVEHQLRCF			Carbamidomethyl (C)[16]		Mascot
2294.0554	2294.178	0.1226	53	297	315	CLNIYHFTCALQAGCTFF			Carbamidomethyl (C)[1,9]		Mascot

30	novel protein similar to vertebrate pim oncogene family [Danio rerio]						gi 55962880	28662.1	6.36	7	34	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
959.5342	959.5181	-0.0161	-17	106	113	LIPSMNLR			Oxidation (M)[5]		Mascot
1342.7729	1342.6414	-0.1315	-98	83	93	VKQIAELLDWK					Mascot
1365.7446	1365.6426	-0.102	-75	168	179	LIDFGCSVLLTK			Carbamidomethyl (C)[6]		Mascot
1475.8217	1475.7635	-0.0582	-39	94	105	VEAERYIIVVER					Mascot

	1707.8127	1707.7886	-0.0241	-14	131	145	IMFNVTTIAHTCCQR										Mascot
	1908.9241	1908.9456	0.0215	11	130	145	KIMFNVTTIAHTCCQR									Carbamidomethyl (C)[13], Oxidation (M)[3]	Mascot
	2432.3376	2432.1536	-0.184	-76	202	222	YHGEPATVWSLGILQFL LFK										Mascot
	2432.3376	2432.1536	-0.184	-76	202	222	YHGEPATVWSLGILQFL LFK										Mascot
31	cytoplasmic dynein 1 heavy chain 1 [Danio rerio]				gi 112363126	532854.1	6.06	32	33	0							

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	870.4389	870.5441	0.1052	121	656	662	QLTAYMK			Oxidation (M)[6]		Mascot
	959.5342	959.5181	-0.0161	-17	990	997	MNLSLPR			Oxidation (M)[1]		Mascot
	1028.5735	1028.5013	-0.0722	-70	2025	2033	SNLPDNLKK					Mascot
	1045.5272	1045.5679	0.0407	39	2836	2843	LVEDEERR					Mascot
	1060.5455	1060.4849	-0.0606	-57	4292	4300	DIKMPDGIR			Oxidation (M)[4]		Mascot
	1076.5153	1076.4808	-0.0345	-32	4563	4572	LQGATCANNK			Carbamidomethyl (C)[6]		Mascot
	1165.6212	1165.7528	0.1316	113	3438	3447	DLEASIARYK					Mascot
	1179.6368	1179.6071	-0.0297	-25	2551	2560	VPQIEVETHK					Mascot
	1342.7147	1342.6414	-0.0733	-55	1497	1508	VKEHINSVSAMK					Mascot
	1365.7412	1365.6426	-0.0986	-72	1099	1110	KEFGPVIIDYGK					Mascot
	1475.6835	1475.7635	0.08	54	3682	3694	DPTVEFPPDLCSR					Mascot
	1542.9154	1542.8931	-0.0223	-14	754	766	WLSFRVPLAIVNK					Mascot
	1707.7894	1707.7886	-0.0008	0	1025	1040	MPDGPSALEEAYNAVK			Oxidation (M)[1]		Mascot
	1862.9656	1863.073	0.1074	58	4143	4158	IFVFEPGPMKANMLR			Oxidation (M)[10]		Mascot
	1894.032	1893.9919	-0.0401	-21	2417	2434	DAAAVLQPYFTSTGLVIK					Mascot
	1894.032	1893.9919	-0.0401	-21	2417	2434	DAAAVLQPYFTSTGLVIK					Mascot
	1908.9813	1908.9456	-0.0357	-19	664	680	VEDVLGKGWENHVEGLK					Mascot
	1915.9153	1915.9689	0.0536	28	2435	2450	ALEHASKMEHIMDFTR					Mascot
	2113.9429	2114.1997	0.2568	121	1130	1147	FGQMLGNNMQDFHSQIS K			Oxidation (M)[4,9]		Mascot
	2113.9429	2114.1997	0.2568	121	1130	1147	FGQMLGNNMQDFHSQIS K			Oxidation (M)[4,9]		Mascot
	2157.145	2157.1462	0.0012	1	767	785	AHQANQLYPFAISLIESVR					Mascot
	2175.1365	2175.1536	0.0171	8	3318	3336	LALESICLLLGEETNDWK K					Mascot
	2175.1365	2175.1536	0.0171	8	3318	3336	LALESICLLLGEETNDWK K					Mascot
	2197.1287	2197.137	0.0083	4	828	845	LDPYVQRLAETVFNQFEK					Mascot
	2210.9944	2211.1179	0.1235	56	531	550	EVDGLDVSKEGMEAWEA AMK			Oxidation (M)[12]		Mascot
	2233.0952	2233.105	0.0098	4	4421	4439	MLQDVRQDLTDVVQVCE			Carbamidomethyl (C)[16]		Mascot

		2283.1624	2283.1914	0.029	13	2004	2024	GK QVKVSAEMAIFITMNPGR							Mascot
		2284.2561	2284.1877	-0.0684	-30	4504	4523	R NIHVNLRGLFVPEAYITAT							Mascot
		2294.1824	2294.178	-0.0044	-2	4092	4110	LEK WVMLENVHLAPGWLMQ							Mascot
		2357.0762	2357.1431	0.0669	28	1130	1149	KSR FGQMLGNMQDFHSQIS	Oxidation (M)[4,9]						Mascot
		2384.2642	2384.0769	-0.1873	-79	2046	2066	LAK QLIAQVMLYSQGFRTAET	Oxidation (M)[7]						Mascot
		2432.2917	2432.1536	-0.1381	-57	3448	3470	VEAK EEYAVLISEAQAIKADLAA							Mascot
		2432.2917	2432.1536	-0.1381	-57	3448	3470	VEAK EEYAVLISEAQAIKADLAA							Mascot
		2488.2349	2488.1079	-0.127	-51	3705	3726	DVDEK SSLQSQCCLNEVLKAERP							Mascot
		2515.1533	2515.2617	0.1084	43	1052	1070	NR VWLQYQCLWDMQPENIY	Oxidation (M)[11]						Mascot
		2531.2888	2531.2527	-0.0361	-14	261	282	NLER LDRDPASGTALQEISFWL							Mascot
32	Zgc:152851 protein [Danio rerio]						gij 27503941	44653.3	8.79	1	33	0	33	87.79	
	Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification		Rank	Result Type	
		901.4923	901.5135	0.0212	24	38	46	ACVLPGSVR	33	87.79				Mascot	
		901.4923	901.5135	0.0212	24	38	46	ACVLPGSVR						Mascot	
33	complement component 3-like isoform 1 [Danio rerio]						gij 153792045	188748	7.66	17	33	0			
	Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification		Rank	Result Type	
		842.5206	842.5153	-0.0053	-6	516	523	GKIIQAGR						Mascot	
		1128.532	1128.5116	-0.0204	-18	1058	1066	GYENQLNYK						Mascot	
		1210.6578	1210.6071	-0.0507	-42	127	136	LVAQFSNIYR						Mascot	
		1365.6515	1365.6426	-0.0089	-7	1607	1617	MFLSHASCRTTR			Carbamidomethyl (C)[8]			Mascot	
		1475.7965	1475.7635	-0.033	-22	1457	1468	EAEIISFRLNQR						Mascot	
		1542.7546	1542.8931	0.1385	90	169	181	AFVSDLEFRSSER						Mascot	
		1719.9349	1719.8651	-0.0698	-41	363	377	IVNSPYMLTIKDTPK						Mascot	
		1719.9349	1719.8651	-0.0698	-41	363	377	IVNSPYMLTIKDTPK						Mascot	
		1735.9299	1735.8551	-0.0748	-43	363	377	IVNSPYMLTIKDTPK			Oxidation (M)[7]			Mascot	
		1736.9581	1736.8948	-0.0633	-36	285	300	GVAYVLFGEINGEKK						Mascot	
		1908.9714	1908.9456	-0.0258	-14	1310	1325	SDVRWTFNPNLAYVAR						Mascot	
		1951.7653	1951.9689	0.2036	104	1515	1532	GK CSQGDCCKVMKEDSASF			Carbamidomethyl (C)[1]			Mascot	

2000.0851	1999.9546	-0.1305	-65	1471	1487	VGLLQPSTVKVYQYYNK							Mascot
2000.0851	1999.9546	-0.1305	-65	1471	1487	VGLLQPSTVKVYQYYNK							Mascot
2175.1738	2175.1536	-0.0202	-9	1	19	MLLQLLLWATLLCQICDG K							Mascot
2175.1738	2175.1536	-0.0202	-9	1	19	MLLQLLLWATLLCQICDG K							Mascot
2233.1533	2233.105	-0.0483	-22	911	932	TGELPLQVTAVAASFMS QDAVK							Mascot
2448.0442	2448.1565	0.1123	46	650	673	DNMGVFS DAGLMFHSST GGSTDSK							Mascot
2489.2881	2489.1013	-0.1868	-75	980	1002	SVPETFVNVRGDLLADSI DNSIK							Mascot
2531.3542	2531.2527	-0.1015	-40	277	299	YLYGAQVKGVAYVLFIE INGEK							Mascot
3103.6091	3103.6582	0.0491	16	1146	1173	ASLTAFVLIALAEAQDKVT CQDQEVNIR				Carbamidomethyl (C)[20]			Mascot

34 UBX domain-containing protein 8 [Danio rerio] gi|66773122 31217 7.64 4 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
901.5101	901.5135	0.0034	4	76	82	LKEEQVR	22	0			Mascot
901.5101	901.5135	0.0034	4	76	82	LKEEQVR					Mascot
1767.8079	1767.8225	0.0146	8	139	154	ICHAVDVDESPNQGAR			Carbamidomethyl (C)[2]		Mascot
1908.92	1908.9456	0.0256	13	225	240	TGYPPALYTLMSYPR			Oxidation (M)[12]		Mascot
1924.0386	1923.98	-0.0586	-30	177	194	RVIVLPDEPSVDTEGAVK					Mascot

35 vitellogenin 2 isoform 2 [Danio rerio] gi|160333705 93050.4 8.22 12 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4702	850.5455	0.0753	89	750	756	MKLESVK			Oxidation (M)[1]		Mascot
864.3945	864.4554	0.0609	70	612	618	KDEESEK					Mascot
1112.5769	1112.5123	-0.0646	-58	322	330	TLTKMEAFR			Oxidation (M)[5]		Mascot
1365.6831	1365.6426	-0.0405	-30	428	439	VTSKVTWGAECK			Carbamidomethyl (C)[11]		Mascot
1736.0356	1735.8551	-0.1805	-104	110	125	WLLDTLPAVATPVVLK					Mascot
1909.1117	1908.9456	-0.1661	-87	251	269	TTASALPIGVQVDAILALR					Mascot
1951.9187	1951.9689	0.0502	26	692	708	IQVADWMKGQTCGLCGK			Carbamidomethyl (C)[12,15]		Mascot
2233.2446	2233.105	-0.1396	-63	171	191	IATIPALREVVMLGYGSMI AK					Mascot
2294.3706	2294.178	-0.1926	-84	278	297	LVQPVALQLVLERALHPE LR					Mascot
2298.1655	2298.198	0.0325	14	298	318	MVACILLFETKPSVAAMS SSR			Carbamidomethyl (C)[4]		Mascot
2457.3235	2457.3267	0.0032	1	619	640	THLNVKLVDIDIDLYTLGT					Mascot

	2457.3235	2457.3267	0.0032	1	619	640	DAK THLNVKLVDIDIDLYTLGT DAK									Mascot
	2479.2974	2479.3062	0.0088	4	1	22	MMEATQSLVFVEFEKAP VVPVK									Mascot
36	serine/threonine kinase 33 [Danio rerio]				gi 220678423		8056.3	10.88	4	32	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4421	864.4554	0.0133	15	16	23	ETSTAVTR					Mascot
901.4387	901.5135	0.0748	83	24	30	TNHHHQK					Mascot
901.4387	901.5135	0.0748	83	24	30	TNHHHQK					Mascot
1342.6863	1342.6414	-0.0449	-33	31	42	HPLQHPTQAGEK					Mascot
2225.1072	2225.1333	0.0261	12	24	42	TNHHHQKHPLQHPTQAG EK					Mascot

37	PREDICTED: b-cell lymphoma/leukemia 11B-like [Danio rerio]				gi 326676947		84089.7	6.78	11	32	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4227	842.5153	0.0926	110	463	469	NRENGPR					Mascot
1112.6245	1112.5123	-0.1122	-101	99	108	LTPARGICPK			Carbamidomethyl (C)[8]		Mascot
1436.6184	1436.7474	0.129	90	666	677	SDTCEYCGKVFK			Carbamidomethyl (C)[4]		Mascot
1488.8209	1488.793	-0.0279	-19	213	226	LPSTPPFVSPPPPR					Mascot
1488.8209	1488.793	-0.0279	-19	213	226	LPSTPPFVSPPPPR					Mascot
1707.8007	1707.7886	-0.0121	-7	623	639	FSTPPGEILEGGGMSGR			Oxidation (M)[14]		Mascot
1719.9058	1719.8651	-0.0407	-24	541	557	KPMPISSSSLSGSSAKR					Mascot
1719.9058	1719.8651	-0.0407	-24	541	557	KPMPISSSSLSGSSAKR	3	0			Mascot
1735.9008	1735.8551	-0.0457	-26	541	557	KPMPISSSSLSGSSAKR			Oxidation (M)[3]		Mascot
1862.8193	1863.073	0.2537	136	697	712	CDLCSYACAQSSKLTR			Carbamidomethyl (C)[1,4]		Mascot
2294.0767	2294.178	0.1013	44	727	745	CDICHMPFSVYSTLEKHV K			Carbamidomethyl (C)[1]		Mascot
2384.1848	2384.0769	-0.1079	-45	232	252	LGPEEMGLLSQHPSAFE RVMR					Mascot
2515.1023	2515.2617	0.1594	63	359	380	SHTGERPYKCHLCDHAC SQASK			Carbamidomethyl (C)[10]		Mascot
3103.6067	3103.6582	0.0515	17	149	177	IYLDTHPTSCSLTPRMAL PPPLGADALPR					Mascot

38	novel protein similar to vertebrate Rho guanine nucleotide exchange factor (GEF) 3 (ARHGEF3) [Danio				gi 56207664		62009.9	8.98	10	32	0					
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1045.5095	1045.5679	0.0584	56	323	330 DPRIEQCK			Carbamidomethyl (C)[7]		Mascot
	1060.5356	1060.4849	-0.0507	-48	435	442 QQWLNCLR					Mascot
	1165.6099	1165.7528	0.1429	123	314	322 LEYLEDKQK					Mascot
	1488.7878	1488.793	0.0052	3	2	14 VAYDEPCVVPIKR					Mascot
	1488.7878	1488.793	0.0052	3	2	14 VAYDEPCVVPIKR					Mascot
	1736.8999	1736.8948	-0.0051	-3	210	225 AYCSNQLAAKALLDQK					Mascot
	1893.9058	1893.9919	0.0861	45	435	449 QQWLNCLRNAMSTQK			Carbamidomethyl (C)[6], Oxidation (M)[11]		Mascot
	1893.9058	1893.9919	0.0861	45	435	449 QQWLNCLRNAMSTQK			Carbamidomethyl (C)[6], Oxidation (M)[11]		Mascot
	2175.0486	2175.1536	0.105	48	450	469 DLTLSENEPLTTPATDVC AK			Carbamidomethyl (C)[18]		Mascot
	2175.0486	2175.1536	0.105	48	450	469 DLTLSENEPLTTPATDVC AK			Carbamidomethyl (C)[18]		Mascot
	2224.9954	2225.1333	0.1379	62	303	320 GESECQYYIDKLEYLEDK					Mascot
	2233.1345	2233.105	-0.0295	-13	121	139 QEAFELSRGEQDLIEDLK					Mascot
	2284.0002	2284.1877	0.1875	82	471	490 RSSSVSTVIQMDMDEN CPR					Mascot
	2357.0166	2357.1431	0.1265	54	471	490 RSSSVSTVIQMDMDEN CPR			Carbamidomethyl (C)[18], Oxidation (M)[11]		Mascot

39

DNA mismatch repair protein Msh3 [Danio rerio]

gi|157841276

121710.5

6.91

10

32

0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	842.4981	842.5153	0.0172	20	150	156 EEPIKVK					Mascot
	870.577	870.5441	-0.0329	-38	687	693 EVRLLLK					Mascot
	901.5101	901.5135	0.0034	4	545	552 SVIDIQAR	17	0			Mascot
	901.5101	901.5135	0.0034	4	545	552 SVIDIQAR					Mascot
	1076.5669	1076.4808	-0.0861	-80	583	591 GLCSIYHKR					Mascot
	1179.5535	1179.6071	0.0536	45	895	905 MGASDNISRGR			Oxidation (M)[1]		Mascot
	1210.6613	1210.6071	-0.0542	-45	477	486 ILLCSSSFKR			Carbamidomethyl (C)[4]		Mascot
	1475.7562	1475.7635	0.0073	5	713	725 NSMLSIVPADWVK			Oxidation (M)[3]		Mascot
	1707.7828	1707.7886	0.0058	3	201	214 QHVDTVLCVECGYK			Carbamidomethyl (C)[8,11]		Mascot
	1901.9565	1902.0004	0.0439	23	186	200 TIYTPLEEQYMEIKK			Oxidation (M)[11]		Mascot
	2432.1431	2432.1536	0.0105	4	904	925 GRSTFMEELLETSVDLAC ATSR			Oxidation (M)[6]		Mascot
	2432.1431	2432.1536	0.0105	4	904	925 GRSTFMEELLETSVDLAC ATSR			Oxidation (M)[6]		Mascot
	2489.1646	2489.1013	-0.0633	-25	904	925 GRSTFMEELLETSVDLAC ATSR			Carbamidomethyl (C)[18], Oxidation (M)[6]		Mascot

40

novel protein (zgc:101790) [Danio rerio]

gi|148726473

30484.8

7.21

1

32

0

32

84.343

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
	901.5464	901.5135	-0.0329	-36	176	183	TGEIVKVR	32	84.343		Mascot
	901.5464	901.5135	-0.0329	-36	176	183	TGEIVKVR				Mascot
41	PREDICTED: NACHT, LRR and PYD domains-containing protein 12 [Danio rerio]				gi 292621731	149261.8	5.29	15	32	0	
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
	842.4114	842.5153	0.1039	123	1214	1220	SNSEHLR				Mascot
	864.5777	864.4554	-0.1223	-141	133	139	KILVVHR				Mascot
	870.5593	870.5441	-0.0152	-17	1011	1017	KLLPMIR				Mascot
	901.5829	901.5135	-0.0694	-77	507	514	AIRTVLTK				Mascot
	901.5829	901.5135	-0.0694	-77	507	514	AIRTVLTK				Mascot
	959.5156	959.5181	0.0025	3	872	880	AVNEALQSK				Mascot
	1076.5007	1076.4808	-0.0199	-18	741	748	HQKDYEEK				Mascot
	1436.7744	1436.7474	-0.027	-19	913	924	SIQNNKTVEYIK				Mascot
	1488.7289	1488.793	0.0641	43	375	388	SGDTKSDLSSVHQQ				Mascot
	1488.7289	1488.793	0.0641	43	375	388	SGDTKSDLSSVHQQ				Mascot
	1880.884	1880.9967	0.1127	60	1081	1099	LSNCGLTDEGCSALASAL R				Mascot
	1916.0157	1915.9689	-0.0468	-24	1115	1132	LGDSVTLLSAVLEDPRCK				Mascot
	2175.0896	2175.1536	0.064	29	1250	1270	LGLSNCGLTDEGCAALAL ALR			Carbamidomethyl (C)[6,13]	Mascot
	2175.0896	2175.1536	0.064	29	1250	1270	LGLSNCGLTDEGCAALAL ALR			Carbamidomethyl (C)[6,13]	Mascot
	2225.2839	2225.1333	-0.1506	-68	890	908	FLLGLSVESHQILLQRLM K				Mascot
	2284.0181	2284.1877	0.1696	74	380	400	SDLSSVHQQKSTESESSC VSMR				Mascot
	2357.0344	2357.1431	0.1087	46	380	400	SDLSSVHQQKSTESESSC VSMR			Carbamidomethyl (C)[17], Oxidation (M)[20]	Mascot
	2448.2002	2448.1565	-0.0437	-18	414	435	SGDTETDLSHEALNTFRS NLLK				Mascot
	2479.0752	2479.3062	0.231	93	277	297	KDFCSADQEELLETLDNY SCR				Mascot
42	novel protein [Danio rerio]				gi 169146110	25865.2	5.07	7	32	0	
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type

	1045.5411	1045.5679	0.0268	26	99	107	VIADLEEEK										Mascot
	1076.5331	1076.4808	-0.0523	-49	207	215	GELESERTR										Mascot
	1112.6786	1112.5123	-0.1663	-149	85	94	LLKQLAAAEER										Mascot
	1179.5319	1179.6071	0.0752	64	73	82	LVMAHCTNMK						Oxidation (M)[3,9]				Mascot
	1436.6694	1436.7474	0.078	54	73	84	LVMAHCTNMKEK						Oxidation (M)[3,9]				Mascot
	1707.749	1707.7886	0.0396	23	111	126	AQDAAAGDDITDMLER						Oxidation (M)[13]				Mascot
	2432.2515	2432.1536	-0.0979	-40	150	172	SVLSSQAVEDLAEQQQL SSTLAK										Mascot
	2432.2515	2432.1536	-0.0979	-40	150	172	SVLSSQAVEDLAEQQQL SSTLAK										Mascot
43	si:ch1073-126c3.2 [Danio rerio]					gi 221307488		24754.2	6.97	6	32	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4243	864.4554	0.0311	36	1	8	MESATIGR					Mascot
1128.5242	1128.5116	-0.0126	-11	134	143	LFEECSTATK					Mascot
1951.9277	1951.9689	0.0412	21	204	221	VETTESESTKLLCGNINN					Mascot
2211.0295	2211.1179	0.0884	40	114	131	IYCKPMCNAGYDFNFLRR					Mascot
2284.0459	2284.1877	0.1418	62	114	131	IYCKPMCNAGYDFNFLRR			Carbamidomethyl (C)[3], Oxidation (M)[6]		Mascot
2298.0503	2298.198	0.1477	64	112	130	DKIYCKPMCNAGYDFNFL R					Mascot
2448.2625	2448.1565	-0.106	-43	89	111	LLPENCPAPAVPENGGLL CLSVK			Carbamidomethyl (C)[6,19]		Mascot

44 PREDICTED: DNA mismatch repair protein Msh3-like [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.577	870.5441	-0.0329	-38	687	693	EVRLLLK					Mascot
901.5101	901.5135	0.0034	4	545	552	SVIDIQAR	17	0			Mascot
901.5101	901.5135	0.0034	4	545	552	SVIDIQAR					Mascot
1179.5535	1179.6071	0.0536	45	895	905	MGASDNISRGR			Oxidation (M)[1]		Mascot
1210.6613	1210.6071	-0.0542	-45	477	486	ILLCSSSFKR			Carbamidomethyl (C)[4]		Mascot
1475.7529	1475.7635	0.0106	7	155	166	IKQEFSFSQYAK					Mascot
1707.7828	1707.7886	0.0058	3	201	214	QHVDTVLCVECGYK			Carbamidomethyl (C)[8,11]		Mascot
1862.9099	1863.073	0.1631	88	486	502	RLSSDSDHMLLSAATMK					Mascot
1901.9565	1902.0004	0.0439	23	186	200	TIYTPLEEQYMEIKK			Oxidation (M)[11]		Mascot
2432.1431	2432.1536	0.0105	4	904	925	GRSTFMEELLETSVDVLAC ATSR			Oxidation (M)[6]		Mascot

	2432.1431	2432.1536	0.0105	4	904	925	GRSTFMEELLETSVDLAC ATSR		Oxidation (M)[6]	Mascot	
	2489.1646	2489.1013	-0.0633	-25	904	925	GRSTFMEELLETSVDLAC ATSR		Carbamidomethyl (C)[18], Oxidation (M)[6]	Mascot	
45	nitrogen fixation cluster-like [Danio rerio]				gi 221307563		17420.2	8.83	6	32	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5294	882.5723	0.0429	49	122	129	ELSLPPVK					Mascot
1028.5922	1028.5013	-0.0909	-88	8	16	KCAAPQILK			Carbamidomethyl (C)[2]		Mascot
1045.5636	1045.5679	0.0043	4	42	51	NVGSLDKNAK					Mascot
1128.5432	1128.5116	-0.0316	-28	33	41	VVDHYENPR					Mascot
1901.9572	1902.0004	0.0432	23	49	68	NAKNVGTGLVGAPACGD VMK					Mascot
2157.0645	2157.1462	0.0817	38	86	106	TFGCGSAIASSSLATEWV KGK			Carbamidomethyl (C)[4]		Mascot

46	chloride intracellular channel protein 3 [Danio rerio]				gi 41054774		27155	6.95	7	32	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4011	842.5153	0.1142	136	95	100	LCCRYK			Carbamidomethyl (C)[2]		Mascot
882.5117	882.5723	0.0606	69	132	138	FLKSLMK			Oxidation (M)[6]		Mascot
1365.7446	1365.6426	-0.102	-75	1	12	MAEAAKIELFVK			Oxidation (M)[1]		Mascot
1436.7994	1436.7474	-0.052	-36	223	235	DKEILLAYSSVAK					Mascot
1488.7151	1488.793	0.0779	52	213	224	EDVFHLTCPKDK			Carbamidomethyl (C)[8]		Mascot
1488.7151	1488.793	0.0779	52	213	224	EDVFHLTCPKDK			Carbamidomethyl (C)[8]		Mascot
2471.1328	2471.1096	-0.0232	-9	7	28	IELFVKASDDGESVGNCP FCQR			Carbamidomethyl (C)[17]		Mascot
2479.1995	2479.3062	0.1067	43	79	98	IEEFLEDTLAPPQYPKLC CR			Carbamidomethyl (C)[18,19]		Mascot

47	novel protein with a Viral A-type inclusion protein repeat domain [Danio rerio]				gi 169146304		27380.3	5.44	7	32	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
901.4988	901.5135	0.0147	16	182	189	AVEEVVQK					Mascot
901.4988	901.5135	0.0147	16	182	189	AVEEVVQK					Mascot
1060.527	1060.4849	-0.0421	-40	23	31	LQDELAESR					Mascot
1103.515	1103.5774	0.0624	57	224	233	QCHSLKTATD					Mascot

888.5301	888.538	0.0079	9	425	432	FATIPALR			Mascot
888.5301	888.538	0.0079	9	425	432	FATIPALR	44	98.855	Mascot
918.4965	918.5496	0.0531	58	1319	1326	IPEITMSK			Mascot
926.5417	926.5511	0.0094	10	505	513	TAANALPIR			Mascot
1023.5105	1023.5204	0.0099	10	195	203	DVGLAYTER	79	100	Mascot
1023.5105	1023.5204	0.0099	10	195	203	DVGLAYTER			Mascot
1097.6677	1097.6796	0.0119	11	514	523	VQVDAILALR			Mascot
1097.6677	1097.6796	0.0119	11	514	523	VQVDAILALR	98	100	Mascot
1115.6935	1115.7063	0.0128	11	333	341	FVQLVQLLR	71	99.998	Mascot
1115.6935	1115.7063	0.0128	11	333	341	FVQLVQLLR			Mascot
1121.599	1121.6111	0.0121	11	348	356	IEAIWSQFK			Mascot
1177.6462	1177.6561	0.0099	8	260	269	QTLAFVEIEK			Mascot
1215.6005	1215.616	0.0155	13	164	173	THYVINEDPK			Mascot
1226.6991	1226.71	0.0109	9	472	482	NDIPEITLALK			Mascot
1238.7831	1238.7933	0.0102	8	135	145	GILNILQLNLK			Mascot
1259.5797	1259.5946	0.0149	12	182	191	SKDLSHCQER		Carbamidomethyl (C)[7]	Mascot
1379.7603	1379.7687	0.0084	6	433	445	EVVMLGYGSLIAK			Mascot
1382.7889	1382.7999	0.011	8	303	315	ISDAPAQIVEVLK			Mascot
1395.7551	1395.7643	0.0092	7	433	445	EVVMLGYGSLIAK		Oxidation (M)[4]	Mascot
1463.8944	1463.91	0.0156	11	532	544	LVQPVALQLVLDR	84	100	Mascot
1463.8944	1463.91	0.0156	11	532	544	LVQPVALQLVLDR			Mascot
1622.8536	1622.8712	0.0176	11	668	683	AYLAGAAADVIEFGVR	151	100	Mascot
1622.8536	1622.8712	0.0176	11	668	683	AYLAGAAADVIEFGVR			Mascot
1644.717	1644.8524	0.1354	82	1142	1157	DTSSGSAAASFEQMQK			Mascot
1666.8767	1666.894	0.0173	10	483	498	VMGNAGHPSSLKPIMK			Mascot
1682.8717	1682.8958	0.0241	14	483	498	VMGNAGHPSSLKPIMK		Oxidation (M)[2]	Mascot
1695.8999	1695.9147	0.0148	9	119	134	VFAPAGVSPTVMNLHR			Mascot
1699.9377	1699.9528	0.0151	9	34	49	YEALLLGGLPQEGLAR			Mascot
1699.9377	1699.9528	0.0151	9	34	49	YEALLLGGLPQEGLAR	89	100	Mascot
1706.025	1706.0416	0.0166	10	364	379	WLLDALPAVGTPVLIK			Mascot
1711.8948	1711.912	0.0172	10	119	134	VFAPAGVSPTVMNLHR	4	0	Oxidation (M)[12] Mascot
1711.8948	1711.912	0.0172	10	119	134	VFAPAGVSPTVMNLHR			Oxidation (M)[12] Mascot
1796.9078	1796.9176	0.0098	5	1279	1293	HILTAAYDTGFRFER			Mascot
1812.8877	1812.9053	0.0176	10	72	86	LMDPLLYEYAGTWPK			Oxidation (M)[2] Mascot
1843.9159	1843.9298	0.0139	8	577	592	IEPNMHVASFAYSHIK			Mascot
1859.9109	1859.9304	0.0195	10	577	592	IEPNMHVASFAYSHIK			Oxidation (M)[5] Mascot

	1954.8745	1954.8923	0.0178	9	147	163	TQNIYEMQEAGAQQGVCR							Carbamidomethyl (C)[16]	Mascot
	1954.8745	1954.8923	0.0178	9	147	163	TQNIYEMQEAGAQQGVCR	146	100					Carbamidomethyl (C)[16]	Mascot
	1970.8695	1970.8909	0.0214	11	147	163	TQNIYEMQEAGAQQGVCR							Carbamidomethyl (C)[16], Oxidation (M)[7]	Mascot
	2082.9695	2082.9944	0.0249	12	146	163	KTQNIYEMQEAGAQQGVC R							Carbamidomethyl (C)[17]	Mascot
	2326.2	2326.2205	0.0205	9	283	302	GSLQYEFATEILQTPIQLM K							Oxidation (M)[19]	Mascot
	2938.5164	2938.5325	0.0161	5	446	471	YCVAVPTCPAELLRPIHEI ATEAISK							Carbamidomethyl (C)[2,8]	Mascot
2	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733731						149169.2	8.84	25	882	100	774	100		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
821.4628	821.4716	0.0088	11	549	555	ALHPEVR					Mascot
821.4628	821.4716	0.0088	11	549	555	ALHPEVR	58	99.958			Mascot
874.5145	874.5159	0.0014	2	429	436	FASIPALR					Mascot
918.4965	918.5496	0.0531	58	1321	1328	IPEITMSK					Mascot
1023.5105	1023.5204	0.0099	10	199	207	DVGLAYTER	79	100			Mascot
1023.5105	1023.5204	0.0099	10	199	207	DVGLAYTER					Mascot
1097.6677	1097.6796	0.0119	11	518	527	VQVDAILALR					Mascot
1097.6677	1097.6796	0.0119	11	518	527	VQVDAILALR	98	100			Mascot
1115.6935	1115.7063	0.0128	11	337	345	FVQLVQLLR	71	99.998			Mascot
1115.6935	1115.7063	0.0128	11	337	345	FVQLVQLLR					Mascot
1121.599	1121.6111	0.0121	11	352	360	IEAIWSQFK					Mascot
1177.6462	1177.6561	0.0099	8	264	273	QTLAFVEIEK					Mascot
1215.6005	1215.616	0.0155	13	168	177	THYVINEDPK					Mascot
1226.6991	1226.71	0.0109	9	476	486	NDIPEITLALK					Mascot
1238.7831	1238.7933	0.0102	8	139	149	GILNILQLNLK					Mascot
1259.5797	1259.5946	0.0149	12	186	195	SKDLSHCQER			Carbamidomethyl (C)[7]		Mascot
1379.7603	1379.7687	0.0084	6	437	449	EVVMLGYGSLIAK					Mascot
1395.7551	1395.7643	0.0092	7	437	449	EVVMLGYGSLIAK			Oxidation (M)[4]		Mascot
1463.8944	1463.91	0.0156	11	536	548	LVQPVALQLVLDR	84	100			Mascot
1463.8944	1463.91	0.0156	11	536	548	LVQPVALQLVLDR					Mascot
1622.8536	1622.8712	0.0176	11	672	687	AYLAGAAADVIEFGVR	151	100			Mascot
1622.8536	1622.8712	0.0176	11	672	687	AYLAGAAADVIEFGVR					Mascot
1644.717	1644.8524	0.1354	82	1144	1159	DTSSGSAAASFEQMQK					Mascot
1648.821	1648.8413	0.0203	12	1201	1215	VQLIASSIAENDNMK			Oxidation (M)[14]		Mascot
1666.8767	1666.894	0.0173	10	487	502	VMGNAGHPSSLKPIMK					Mascot

	1682.8717	1682.8958	0.0241	14	487	502	VMGNAGHPSSLKPIMK						Oxidation (M)[2]	Mascot
	1699.9377	1699.9528	0.0151	9	38	53	YEALLLGGLPQEGLAR							Mascot
	1699.9377	1699.9528	0.0151	9	38	53	YEALLLGGLPQEGLAR	89	100					Mascot
	1706.025	1706.0416	0.0166	10	368	383	WLLDALPAVGTPVLIK							Mascot
	1721.9043	1721.9209	0.0166	10	123	138	VFAPAGVSPTVMNLYR							Mascot
	1737.8992	1737.9172	0.018	10	123	138	VFAPAGVSPTVMNLYR					Oxidation (M)[12]	Mascot	
	1824.8989	1824.9142	0.0153	8	76	90	LMDPLLYEYAGTWPR							Mascot
	1840.8938	1840.9137	0.0199	11	76	90	LMDPLLYEYAGTWPR					Oxidation (M)[2]	Mascot	
	1954.8745	1954.8923	0.0178	9	151	167	TQNIYEMQEAGAQQVCR					Carbamidomethyl (C)[16]	Mascot	
	1954.8745	1954.8923	0.0178	9	151	167	TQNIYEMQEAGAQQVCR	146	100			Carbamidomethyl (C)[16]	Mascot	
	1970.8695	1970.8909	0.0214	11	151	167	TQNIYEMQEAGAQQVCR					Carbamidomethyl (C)[16], Oxidation (M)[7]	Mascot	
	2082.9695	2082.9944	0.0249	12	150	167	KTQNIYEMQEAGAQQVC R					Carbamidomethyl (C)[17]	Mascot	
	2914.4912	2914.5107	0.0195	7	450	475	HCTAVPTCPAELLRIPEI ATEAISK					Carbamidomethyl (C)[2,8]	Mascot	
3	vitellogenin 5 [Danio rerio]					gi 68448530	148868	8.77	25	881	100	774	100	
Peptide Information														
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification		Rank	Result Type	
	821.4628	821.4716	0.0088	11	545	551	ALHPEVR						Mascot	
	821.4628	821.4716	0.0088	11	545	551	ALHPEVR	58	99.958				Mascot	
	874.5145	874.5159	0.0014	2	425	432	FASIPALR						Mascot	
	918.4965	918.5496	0.0531	58	1319	1326	IPEITMSK						Mascot	
	1023.5105	1023.5204	0.0099	10	195	203	DVGLAYTER	79	100				Mascot	
	1023.5105	1023.5204	0.0099	10	195	203	DVGLAYTER						Mascot	
	1097.6677	1097.6796	0.0119	11	514	523	VQVDAILALR						Mascot	
	1097.6677	1097.6796	0.0119	11	514	523	VQVDAILALR	98	100				Mascot	
	1115.6935	1115.7063	0.0128	11	333	341	FVQLVQLLR	71	99.998				Mascot	
	1115.6935	1115.7063	0.0128	11	333	341	FVQLVQLLR						Mascot	
	1121.599	1121.6111	0.0121	11	348	356	IEAIWSQFK						Mascot	
	1177.6462	1177.6561	0.0099	8	260	269	QTLAFVEIEK						Mascot	
	1215.6005	1215.616	0.0155	13	164	173	THYVINEDPK						Mascot	
	1226.6991	1226.71	0.0109	9	472	482	NDIPEITLALK						Mascot	
	1238.7831	1238.7933	0.0102	8	135	145	GILNILQLNLK						Mascot	
	1259.5797	1259.5946	0.0149	12	182	191	SKDLSHCQER					Carbamidomethyl (C)[7]	Mascot	
	1379.7603	1379.7687	0.0084	6	433	445	EVVMLGYGSLIAK						Mascot	
	1395.7551	1395.7643	0.0092	7	433	445	EVVMLGYGSLIAK					Oxidation (M)[4]	Mascot	
	1463.8944	1463.91	0.0156	11	532	544	LVQPVALQLVLDR	84	100				Mascot	

		1463.8944	1463.91	0.0156	11	532	544	LVQPVALQLVLDR					Mascot
		1622.8536	1622.8712	0.0176	11	668	683	AYLAGAAADVIEFGVR	151	100			Mascot
		1622.8536	1622.8712	0.0176	11	668	683	AYLAGAAADVIEFGVR					Mascot
		1644.717	1644.8524	0.1354	82	1142	1157	DTSSGSAAAQFEQMVK					Mascot
		1648.821	1648.8413	0.0203	12	1199	1213	VQLIASSIAENDNMK		Oxidation (M)[14]			Mascot
		1666.8767	1666.894	0.0173	10	483	498	VMGNAGHPSSLKPIMK					Mascot
		1682.8717	1682.8958	0.0241	14	483	498	VMGNAGHPSSLKPIMK		Oxidation (M)[2]			Mascot
		1699.9377	1699.9528	0.0151	9	34	49	YEALLGGLPQEGLAR					Mascot
		1699.9377	1699.9528	0.0151	9	34	49	YEALLGGLPQEGLAR	89	100			Mascot
		1706.025	1706.0416	0.0166	10	364	379	WLLDALPAVGTPVLIK					Mascot
		1737.9568	1737.9172	-0.0396	-23	746	761	SIIEEAIPMTGPKPR					Mascot
		1824.8989	1824.9142	0.0153	8	72	86	LMDPLLYEYAGTWPR					Mascot
		1840.8938	1840.9137	0.0199	11	72	86	LMDPLLYEYAGTWPR		Oxidation (M)[2]			Mascot
		1954.8745	1954.8923	0.0178	9	147	163	TQNIYEMQEAGAQQVCR		Carbamidomethyl (C)[16]			Mascot
		1954.8745	1954.8923	0.0178	9	147	163	TQNIYEMQEAGAQQVCR	146	100	Carbamidomethyl (C)[16]		Mascot
		1970.8695	1970.8909	0.0214	11	147	163	TQNIYEMQEAGAQQVCR		Carbamidomethyl (C)[16], Oxidation (M)[7]			Mascot
		2082.9695	2082.9944	0.0249	12	146	163	KTQNIYEMQEAGAQQVC R		Carbamidomethyl (C)[17]			Mascot
		2914.4912	2914.5107	0.0195	7	446	471	HCTAVPTCPAELLRIPEI ATEAISK		Carbamidomethyl (C)[2,8]			Mascot
4	vitellogenin 1 [Danio rerio]					gi 166795887	149452.5	8.68	30	747	100	590	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
821.4628	821.4716	0.0088	11	545	551	ALHPEVR					Mascot
821.4628	821.4716	0.0088	11	545	551	ALHPEVR	58	99.958			Mascot
874.4669	874.5159	0.049	56	87	94	DPFVPATK					Mascot
888.5301	888.538	0.0079	9	425	432	FATIPALR					Mascot
888.5301	888.538	0.0079	9	425	432	FATIPALR	44	98.855			Mascot
918.4965	918.5496	0.0531	58	1319	1326	IPEITMSK					Mascot
926.5417	926.5511	0.0094	10	505	513	TAANALPIR					Mascot
1097.6677	1097.6796	0.0119	11	514	523	VQVDAILALR					Mascot
1097.6677	1097.6796	0.0119	11	514	523	VQVDAILALR	98	100			Mascot
1115.6935	1115.7063	0.0128	11	333	341	FVQLVQLLR	71	99.998			Mascot
1115.6935	1115.7063	0.0128	11	333	341	FVQLVQLLR					Mascot
1121.599	1121.6111	0.0121	11	348	356	IEAIWSQFK					Mascot
1177.6462	1177.6561	0.0099	8	260	269	QTLAFVEIEK					Mascot

	1215.6005	1215.616	0.0155	13	164	173	THYVINEDPK					Mascot
	1226.6991	1226.71	0.0109	9	472	482	NDIPEITLALK					Mascot
	1238.7831	1238.7933	0.0102	8	135	145	GILNILQLNLK					Mascot
	1259.5797	1259.5946	0.0149	12	182	191	SKDLSHCQER			Carbamidomethyl (C)[7]		Mascot
	1379.7603	1379.7687	0.0084	6	433	445	EVVMLGYGSLIAK					Mascot
	1382.7889	1382.7999	0.011	8	303	315	ISDAPAQIVEVLK					Mascot
	1395.7551	1395.7643	0.0092	7	433	445	EVVMLGYGSLIAK			Oxidation (M)[4]		Mascot
	1463.8944	1463.91	0.0156	11	532	544	LVQPVALQLVLDR	84	100			Mascot
	1463.8944	1463.91	0.0156	11	532	544	LVQPVALQLVLDR					Mascot
	1638.8485	1638.8628	0.0143	9	668	683	TYLAGAAADVVEFGVR					Mascot
	1644.717	1644.8524	0.1354	82	1142	1157	DTSSGSAAAQFEQMQR					Mascot
	1652.6665	1652.8809	0.2144	130	1098	1114	SSSSSSQSSSSSMSSSR					Mascot
	1666.8767	1666.894	0.0173	10	483	498	VMGNAGHPSSLKPIMK					Mascot
	1682.8717	1682.8958	0.0241	14	483	498	VMGNAGHPSSLKPIMK			Oxidation (M)[2]		Mascot
	1695.8999	1695.9147	0.0148	9	119	134	VFAPAGVSPTVMNLHR					Mascot
	1699.9377	1699.9528	0.0151	9	34	49	YEALLLGGLPQEGLAR					Mascot
	1699.9377	1699.9528	0.0151	9	34	49	YEALLLGGLPQEGLAR	89	100			Mascot
	1706.025	1706.0416	0.0166	10	364	379	WLLDALPAVGTPVIHK					Mascot
	1711.8948	1711.912	0.0172	10	119	134	VFAPAGVSPTVMNLHR	4	0	Oxidation (M)[12]		Mascot
	1711.8948	1711.912	0.0172	10	119	134	VFAPAGVSPTVMNLHR			Oxidation (M)[12]		Mascot
	1796.9078	1796.9176	0.0098	5	1279	1293	HILTAAYDTGFRFER					Mascot
	1812.8877	1812.9053	0.0176	10	72	86	LMDPLLYEYAGTWPK			Oxidation (M)[2]		Mascot
	1954.8745	1954.8923	0.0178	9	147	163	TQNIYEMQEAGAQQGVCR			Carbamidomethyl (C)[16]		Mascot
	1954.8745	1954.8923	0.0178	9	147	163	TQNIYEMQEAGAQQGVCR	146	100	Carbamidomethyl (C)[16]		Mascot
	1970.8695	1970.8909	0.0214	11	147	163	TQNIYEMQEAGAQQGVCR			Carbamidomethyl (C)[16], Oxidation (M)[7]		Mascot
	2082.9695	2082.9944	0.0249	12	146	163	KTQNIYEMQEAGAQQVC R			Carbamidomethyl (C)[17]		Mascot
	2233.2009	2233.1025	-0.0984	-44	593	614	SLTRITAPDMAYVAGAAAN VAIK					Mascot
	2326.2	2326.2205	0.0205	9	283	302	GSLQYEFATEILQTPIQLM K			Oxidation (M)[19]		Mascot
	2938.5164	2938.5325	0.0161	5	446	471	YCVAVPTCPAELLRIPIHEI ATEAISK			Carbamidomethyl (C)[2,8]		Mascot
5	vitellogenin 1 [Danio rerio]				gi 21391472	127954.2	8.69	22	678	100	585	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
821.4628	821.4716	0.0088	11	354	360	ALHPEVR					Mascot
821.4628	821.4716	0.0088	11	354	360	ALHPEVR	58	99.958			Mascot

	888.5301	888.538	0.0079	9	234	241	FATIPALR				Mascot	
	888.5301	888.538	0.0079	9	234	241	FATIPALR	44	98.855		Mascot	
	918.4965	918.5496	0.0531	58	1126	1133	IPEITMSK				Mascot	
	926.5417	926.5511	0.0094	10	314	322	TAANALPIR				Mascot	
	1023.5105	1023.5204	0.0099	10	4	12	DVGLAYTER	79	100		Mascot	
	1023.5105	1023.5204	0.0099	10	4	12	DVGLAYTER				Mascot	
	1097.6677	1097.6796	0.0119	11	323	332	VQVDAILALR				Mascot	
	1097.6677	1097.6796	0.0119	11	323	332	VQVDAILALR	98	100		Mascot	
	1115.6935	1115.7063	0.0128	11	142	150	FVQLVQLLR	71	99.998		Mascot	
	1115.6935	1115.7063	0.0128	11	142	150	FVQLVQLLR				Mascot	
	1121.599	1121.6111	0.0121	11	157	165	IEAIWSQFK				Mascot	
	1177.6462	1177.6561	0.0099	8	69	78	QTLAFVEIEK				Mascot	
	1226.6991	1226.71	0.0109	9	281	291	NDIPEITLALK				Mascot	
	1379.7603	1379.7687	0.0084	6	242	254	EVVMLGYGSLIAK				Mascot	
	1382.7889	1382.7999	0.011	8	112	124	ISDAPAQIVEVLK				Mascot	
	1395.7551	1395.7643	0.0092	7	242	254	EVVMLGYGSLIAK		Oxidation (M)[4]		Mascot	
	1463.8944	1463.91	0.0156	11	341	353	LVPVALQLVLDR	84	100		Mascot	
	1463.8944	1463.91	0.0156	11	341	353	LVPVALQLVLDR				Mascot	
	1622.8536	1622.8712	0.0176	11	477	492	AYLAGAAADVIEFGVR	151	100		Mascot	
	1622.8536	1622.8712	0.0176	11	477	492	AYLAGAAADVIEFGVR				Mascot	
	1644.717	1644.8524	0.1354	82	949	964	DTSSGSAAASFEQMqK				Mascot	
	1666.8767	1666.894	0.0173	10	292	307	VMGNAGHPSSLKPIMK				Mascot	
	1682.8717	1682.8958	0.0241	14	292	307	VMGNAGHPSSLKPIMK		Oxidation (M)[2]		Mascot	
	1699.9047	1699.9528	0.0481	28	406	423	iTAPDMASVAGAANVAIK				Mascot	
	1699.9047	1699.9528	0.0481	28	406	423	iTAPDMASVAGAANVAIK				Mascot	
	1706.025	1706.0416	0.0166	10	173	188	WLLDALPAVGTPVIlK				Mascot	
	1796.9078	1796.9176	0.0098	5	1086	1100	HILTAAYDTGFRFER				Mascot	
	1843.9159	1843.9298	0.0139	8	386	401	IEPNMHVASFAYSHIK				Mascot	
	1859.9109	1859.9304	0.0195	10	386	401	IEPNMHVASFAYSHIK		Oxidation (M)[5]		Mascot	
	2326.2	2326.2205	0.0205	9	92	111	GSLQYEFATEILQTPIQLM K		Oxidation (M)[19]		Mascot	
	2938.5164	2938.5325	0.0161	5	255	280	YCVAVPTCPAELLRPIHEI ATEAISK		Carbamidomethyl (C)[2,8]		Mascot	
6	Vtg1 protein [Danio rerio]				gi 145337918	116565.5	9.07	19	581	100	506	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
821.4628	821.4716	0.0088	11	251	257	ALHPEVR					Mascot

821.4628	821.4716	0.0088	11	251	257	ALHPEVR	58	99.958		Mascot
888.5301	888.538	0.0079	9	131	138	FATIPALR				Mascot
888.5301	888.538	0.0079	9	131	138	FATIPALR	44	98.855		Mascot
918.4965	918.5496	0.0531	58	1025	1032	IPEITMSK				Mascot
926.5417	926.5511	0.0094	10	211	219	TAANALPIR				Mascot
1097.6677	1097.6796	0.0119	11	220	229	VQVDAILALR				Mascot
1097.6677	1097.6796	0.0119	11	220	229	VQVDAILALR	98	100		Mascot
1115.6935	1115.7063	0.0128	11	39	47	FVQLVQLLR	71	99.998		Mascot
1115.6935	1115.7063	0.0128	11	39	47	FVQLVQLLR				Mascot
1121.599	1121.6111	0.0121	11	54	62	IEAIWSQFK				Mascot
1226.6991	1226.71	0.0109	9	178	188	NDIPEITLALK				Mascot
1379.7603	1379.7687	0.0084	6	139	151	EVVMLGYGSLIAK				Mascot
1382.7889	1382.7999	0.011	8	9	21	ISDAPAQIVEVLK				Mascot
1395.7551	1395.7643	0.0092	7	139	151	EVVMLGYGSLIAK			Oxidation (M)[4]	Mascot
1463.8944	1463.91	0.0156	11	238	250	LVQPVALQLVLDR	84	100		Mascot
1463.8944	1463.91	0.0156	11	238	250	LVQPVALQLVLDR				Mascot
1622.8536	1622.8712	0.0176	11	374	389	AYLAGAAADVIEFGVR	151	100		Mascot
1622.8536	1622.8712	0.0176	11	374	389	AYLAGAAADVIEFGVR				Mascot
1644.717	1644.8524	0.1354	82	848	863	DTSSGSAASFEQMQK				Mascot
1666.8767	1666.894	0.0173	10	189	204	VMGNAGHPSSLKPIMK				Mascot
1682.8717	1682.8958	0.0241	14	189	204	VMGNAGHPSSLKPIMK			Oxidation (M)[2]	Mascot
1699.9047	1699.9528	0.0481	28	303	320	ITAPDMASVAGAAANVAIK				Mascot
1699.9047	1699.9528	0.0481	28	303	320	ITAPDMASVAGAAANVAIK				Mascot
1706.025	1706.0416	0.0166	10	70	85	WLLDALPAVGTPVVIK				Mascot
1796.9078	1796.9176	0.0098	5	985	999	HILTAAYDTGFRFER				Mascot
1843.9159	1843.9298	0.0139	8	283	298	IEPNMHVASFAYSHIK				Mascot
1859.9109	1859.9304	0.0195	10	283	298	IEPNMHVASFAYSHIK			Oxidation (M)[5]	Mascot
2938.5164	2938.5325	0.0161	5	152	177	YCVAVPTCPAELLRPIHEI ATEAISK			Carbamidomethyl (C)[2,8]	Mascot

7
novel protein similar to vitellogenin 1 (vg1) [Danio rerio]
gi|94733734
149808.5
8.83
23
571
100
478
100

Peptide Information										Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification		
821.4628	821.4716	0.0088	11	549	555	ALHPEVR					Mascot
821.4628	821.4716	0.0088	11	549	555	ALHPEVR	58	99.958			Mascot
918.4965	918.5496	0.0531	58	1326	1333	IPEITMSK					Mascot

1023.5105	1023.5204	0.0099	10	199	207	DVGLAYTER	79	100		Mascot
1023.5105	1023.5204	0.0099	10	199	207	DVGLAYTER				Mascot
1097.6677	1097.6796	0.0119	11	518	527	VQVDAILALR				Mascot
1097.6677	1097.6796	0.0119	11	518	527	VQVDAILALR	98	100		Mascot
1115.6935	1115.7063	0.0128	11	337	345	FVQLVQLLR	71	99.998		Mascot
1115.6935	1115.7063	0.0128	11	337	345	FVQLVQLLR				Mascot
1121.599	1121.6111	0.0121	11	352	360	IEAIWSQFK				Mascot
1177.6462	1177.6561	0.0099	8	264	273	QTLAFVEIEK				Mascot
1215.6005	1215.616	0.0155	13	168	177	THYVINEDPK				Mascot
1226.6991	1226.71	0.0109	9	476	486	NDIPEITLALK				Mascot
1238.7831	1238.7933	0.0102	8	139	149	GILNILQLNLK				Mascot
1259.5797	1259.5946	0.0149	12	186	195	SKDLSHCQER			Carbamidomethyl (C)[7]	Mascot
1379.7603	1379.7687	0.0084	6	437	449	EVVMLGYGSLIAK				Mascot
1395.7551	1395.7643	0.0092	7	437	449	EVVMLGYGSLIAK			Oxidation (M)[4]	Mascot
1463.8944	1463.91	0.0156	11	536	548	LVQPVALQLVLDR	84	100		Mascot
1463.8944	1463.91	0.0156	11	536	548	LVQPVALQLVLDR				Mascot
1638.8485	1638.8628	0.0143	9	672	687	TYLAGAAADVVEFGVR				Mascot
1644.717	1644.8524	0.1354	82	1149	1164	DTSSGSAASFEQMQK				Mascot
1648.821	1648.8413	0.0203	12	1206	1220	VQLIASSIAENDNMK			Oxidation (M)[14]	Mascot
1666.8767	1666.894	0.0173	10	487	502	VMGNAGHPSSLKPIMK				Mascot
1682.8717	1682.8958	0.0241	14	487	502	VMGNAGHPSSLKPIMK			Oxidation (M)[2]	Mascot
1695.8999	1695.9147	0.0148	9	123	138	VFAPAGVSPTVMNLHR				Mascot
1699.9377	1699.9528	0.0151	9	38	53	YEALLLGGLPQEGLAR				Mascot
1699.9377	1699.9528	0.0151	9	38	53	YEALLLGGLPQEGLAR	89	100		Mascot
1706.025	1706.0416	0.0166	10	368	383	WLLDALPAVGTPVLIK				Mascot
1711.8948	1711.912	0.0172	10	123	138	VFAPAGVSPTVMNLHR	4	0	Oxidation (M)[12]	Mascot
1711.8948	1711.912	0.0172	10	123	138	VFAPAGVSPTVMNLHR			Oxidation (M)[12]	Mascot
1796.8928	1796.9176	0.0248	14	76	90	LMDPLLYEYAGTWPK				Mascot
1812.8877	1812.9053	0.0176	10	76	90	LMDPLLYEYAGTWPK			Oxidation (M)[2]	Mascot
1936.9181	1936.937	0.0189	10	151	167	TQNIYELQEAGAQQVCR			Carbamidomethyl (C)[16]	Mascot
2233.2009	2233.1025	-0.0984	-44	597	618	SLTRITAPDMAYVAGAAAN VAIK				Mascot

8

vitellogenin 6 [Danio rerio]

gi|303227889

150936.1

8.84

23

570

100

478

100

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank Result Type
821.4628	821.4716	0.0088	11	556	562	ALHPEVR			Mascot

	821.4628	821.4716	0.0088	11	556	562	ALHPEVR	58	99.958		Mascot		
	918.4965	918.5496	0.0531	58	1337	1344	IPEITMSK				Mascot		
	1023.5105	1023.5204	0.0099	10	206	214	DVGLAYTER	79	100		Mascot		
	1023.5105	1023.5204	0.0099	10	206	214	DVGLAYTER				Mascot		
	1097.6677	1097.6796	0.0119	11	525	534	VQVDAILALR				Mascot		
	1097.6677	1097.6796	0.0119	11	525	534	VQVDAILALR	98	100		Mascot		
	1115.6935	1115.7063	0.0128	11	344	352	FVQLVQLLR	71	99.998		Mascot		
	1115.6935	1115.7063	0.0128	11	344	352	FVQLVQLLR				Mascot		
	1121.599	1121.6111	0.0121	11	359	367	IEAIWSQFK				Mascot		
	1177.6462	1177.6561	0.0099	8	271	280	QTLAFVEIEK				Mascot		
	1215.6005	1215.616	0.0155	13	175	184	THYVINEDPK				Mascot		
	1226.6991	1226.71	0.0109	9	483	493	NDIPEITLALK				Mascot		
	1238.7831	1238.7933	0.0102	8	146	156	GILNILQLNLK				Mascot		
	1259.5797	1259.5946	0.0149	12	193	202	SKDLSHCQER			Carbamidomethyl (C)[7]	Mascot		
	1379.7603	1379.7687	0.0084	6	444	456	EVVMLGYGSLIAK				Mascot		
	1395.7551	1395.7643	0.0092	7	444	456	EVVMLGYGSLIAK			Oxidation (M)[4]	Mascot		
	1463.8944	1463.91	0.0156	11	543	555	LVQPVALQLVLDR	84	100		Mascot		
	1463.8944	1463.91	0.0156	11	543	555	LVQPVALQLVLDR				Mascot		
	1638.8485	1638.8628	0.0143	9	679	694	TYLAGAAADVVEFGVR				Mascot		
	1644.717	1644.8524	0.1354	82	1160	1175	DTSSGSAAASFEQMVK				Mascot		
	1648.821	1648.8413	0.0203	12	1217	1231	VQLIASSIAENDNMK			Oxidation (M)[14]	Mascot		
	1666.8767	1666.894	0.0173	10	494	509	VMGNAGHPSSLKPIMK				Mascot		
	1682.8717	1682.8958	0.0241	14	494	509	VMGNAGHPSSLKPIMK			Oxidation (M)[2]	Mascot		
	1695.8999	1695.9147	0.0148	9	130	145	VFAPAGVSPTVMNLHR				Mascot		
	1699.9377	1699.9528	0.0151	9	45	60	YEALLLGGLPQEGLAR				Mascot		
	1699.9377	1699.9528	0.0151	9	45	60	YEALLLGGLPQEGLAR	89	100		Mascot		
	1706.025	1706.0416	0.0166	10	375	390	WLLDALPAVGTPVLIK				Mascot		
	1711.8948	1711.912	0.0172	10	130	145	VFAPAGVSPTVMNLHR	4	0	Oxidation (M)[12]	Mascot		
	1711.8948	1711.912	0.0172	10	130	145	VFAPAGVSPTVMNLHR			Oxidation (M)[12]	Mascot		
	1796.8928	1796.9176	0.0248	14	83	97	LMDPLLYEYAGTWPK				Mascot		
	1812.8877	1812.9053	0.0176	10	83	97	LMDPLLYEYAGTWPK			Oxidation (M)[2]	Mascot		
	1936.9181	1936.937	0.0189	10	158	174	TQNIYELQEAGAQQVCR			Carbamidomethyl (C)[16]	Mascot		
	2233.2009	2233.1025	-0.0984	-44	604	625	SLTRITAPDMAYVAGAAAN VAIK				Mascot		
9	hypothetical protein LOC678536 [Danio rerio]				gi 160420306		148750.2	8.89	27	513	100	393	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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			Seq.	Seq.	Score		
821.4628	821.4716	0.0088	11	545	551	ALHPEVR	Mascot
821.4628	821.4716	0.0088	11	545	551	ALHPEVR	Mascot
918.4778	918.5496	0.0718	78	1059	1066	EILDTEAK	Mascot
1023.5105	1023.5204	0.0099	10	195	203	DVGLAYTER	Mascot
1023.5105	1023.5204	0.0099	10	195	203	DVGLAYTER	Mascot
1045.5465	1045.5737	0.0272	26	1346	1353	DFLSWIHK	Mascot
1097.6677	1097.6796	0.0119	11	514	523	VQVDAILALR	Mascot
1097.6677	1097.6796	0.0119	11	514	523	VQVDAILALR	Mascot
1115.6935	1115.7063	0.0128	11	333	341	FVQLVQLLR	Mascot
1115.6935	1115.7063	0.0128	11	333	341	FVQLVQLLR	Mascot
1121.599	1121.6111	0.0121	11	348	356	IEAIWSQFK	Mascot
1177.6462	1177.6561	0.0099	8	260	269	QTLAFVEIEK	Mascot
1215.6005	1215.616	0.0155	13	164	173	THYVINEDPK	Mascot
1226.6991	1226.71	0.0109	9	472	482	NDIPEITLALK	Mascot
1238.7831	1238.7933	0.0102	8	135	145	GILNILQLNLK	Mascot
1259.5797	1259.5946	0.0149	12	182	191	SKDLSHCQER	Mascot
1379.7351	1379.7687	0.0336	24	433	445	EVAMLGYSLIAR	Mascot
1382.7889	1382.7999	0.011	8	303	315	ISDAPAQIVEVLK	Mascot
1395.7301	1395.7643	0.0342	25	192	203	IMKDVGLAYTER	Mascot
1477.91	1477.9259	0.0159	11	532	544	LVQPIALQLVLDR	Mascot
1644.717	1644.8524	0.1354	82	1140	1155	DTSSGSAAASFEQMQK	Mascot
1648.821	1648.8413	0.0203	12	1197	1211	VQLIASSIAENDNMK	Mascot
1666.8767	1666.894	0.0173	10	483	498	VMGNAGHPSSLKPIMK	Mascot
1682.8717	1682.8958	0.0241	14	483	498	VMGNAGHPSSLKPIMK	Mascot
1695.8999	1695.9147	0.0148	9	119	134	VFAPAGVSPVMNLHR	Mascot
1699.9377	1699.9528	0.0151	9	34	49	YEALLGGLPQEGLAR	Mascot
1699.9524	1699.9528	0.0004	0	1310	1324	SLNVIARIPETMSR	Mascot
1706.025	1706.0416	0.0166	10	364	379	WLLDALPAVGTPVLIK	Mascot
1711.8948	1711.912	0.0172	10	119	134	VFAPAGVSPVMNLHR	Mascot
1711.8948	1711.912	0.0172	10	119	134	VFAPAGVSPVMNLHR	Mascot
1796.8928	1796.9176	0.0248	14	72	86	LMDPLLYEYAGTWPK	Mascot
1812.8877	1812.9053	0.0176	10	72	86	LMDPLLYEYAGTWPK	Mascot
1936.9181	1936.937	0.0189	10	147	163	TQNIYELQEAGAQQGVC	Mascot
2233.2009	2233.1025	-0.0984	-44	593	614	SLTRITAPDMAYVAGAA	Mascot
						VAIK	
2326.2	2326.2205	0.0205	9	283	302	GSLQYEFATEILQTPILM	Mascot

10 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94732723 K 147084.2 8.73 24 410 100 314 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
821.4628	821.4716	0.0088	11	545	551	ALHPEVR					Mascot
821.4628	821.4716	0.0088	11	545	551	ALHPEVR	58	99.958			Mascot
874.4669	874.5159	0.049	56	87	94	DPFVPATK					Mascot
918.5407	918.5496	0.0089	10	425	432	FTTIPALR					Mascot
1097.6677	1097.6796	0.0119	11	514	523	VQVDAILALR					Mascot
1097.6677	1097.6796	0.0119	11	514	523	VQVDAILALR	98	100			Mascot
1115.6935	1115.7063	0.0128	11	333	341	FVQLVQLLR	71	99.998			Mascot
1115.6935	1115.7063	0.0128	11	333	341	FVQLVQLLR					Mascot
1177.6462	1177.6561	0.0099	8	260	269	QTLAFVEIEK					Mascot
1215.6005	1215.616	0.0155	13	164	173	THYVINEDPK					Mascot
1226.6991	1226.71	0.0109	9	472	482	NDIPEITLALK					Mascot
1238.7831	1238.7933	0.0102	8	135	145	GILNILQLNLK					Mascot
1259.5797	1259.5946	0.0149	12	182	191	SKDLSHCQER			Carbamidomethyl (C)[7]		Mascot
1379.7603	1379.7687	0.0084	6	433	445	EVVMLGYGSLIAK					Mascot
1395.7551	1395.7643	0.0092	7	433	445	EVVMLGYGSLIAK			Oxidation (M)[4]		Mascot
1477.91	1477.9259	0.0159	11	532	544	LVQPIALQLVLDR					Mascot
1622.7743	1622.8712	0.0969	60	981	994	GCVEVHSYNAAFIR			Carbamidomethyl (C)[2]		Mascot
1622.7743	1622.8712	0.0969	60	981	994	GCVEVHSYNAAFIR			Carbamidomethyl (C)[2]		Mascot
1644.717	1644.8524	0.1354	82	1123	1138	DTSSGSAAASFEQMQK					Mascot
1652.8643	1652.8809	0.0166	10	668	683	TYLAGAAADVIEFGVR					Mascot
1666.8767	1666.894	0.0173	10	483	498	VMGNAGHPSSLKPIMK					Mascot
1682.8717	1682.8958	0.0241	14	483	498	VMGNAGHPSSLKPIMK			Oxidation (M)[2]		Mascot
1699.9377	1699.9528	0.0151	9	34	49	YEALLGGLPQEGLAR					Mascot
1699.9377	1699.9528	0.0151	9	34	49	YEALLGGLPQEGLAR	89	100			Mascot
1706.025	1706.0416	0.0166	10	364	379	WLLDALPAVGTPVLIK					Mascot
1721.9043	1721.9209	0.0166	10	119	134	VFAPAGVSPTVMNLYR					Mascot
1737.8992	1737.9172	0.018	10	119	134	VFAPAGVSPTVMNLYR			Oxidation (M)[12]		Mascot
1796.8928	1796.9176	0.0248	14	72	86	LMDPLLYEYAGTWPK					Mascot
1812.8877	1812.9053	0.0176	10	72	86	LMDPLLYEYAGTWPK			Oxidation (M)[2]		Mascot
1843.9159	1843.9298	0.0139	8	577	592	IEPNMHVASFAYSHIK					Mascot
1859.9109	1859.9304	0.0195	10	577	592	IEPNMHVASFAYSHIK			Oxidation (M)[5]		Mascot

	1886.7894	1886.811	0.0216	11	195	210	DVGLAYTESPECTER				Carbamidomethyl (C)[10,13]	Mascot	
	1936.9181	1936.937	0.0189	10	147	163	TQNIYELQEAGAQQVCR				Carbamidomethyl (C)[16]	Mascot	
	2326.2	2326.2205	0.0205	9	283	302	GSLQYEFATEILQTPIQLM K				Oxidation (M)[19]	Mascot	
11	vitellogenin 7 [Danio rerio]				gi 156713467		148739.2	8.76	21	385	100	314	100

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
821.4628	821.4716	0.0088	11	545	551	ALHPEVR							Mascot
821.4628	821.4716	0.0088	11	545	551	ALHPEVR	58	99.958					Mascot
874.4669	874.5159	0.049	56	87	94	DPFVPATK							Mascot
918.5407	918.5496	0.0089	10	425	432	FTTIPALR							Mascot
1097.6677	1097.6796	0.0119	11	514	523	VQVDAILALR							Mascot
1097.6677	1097.6796	0.0119	11	514	523	VQVDAILALR	98	100					Mascot
1115.6935	1115.7063	0.0128	11	333	341	FVQLVQLLR	71	99.998					Mascot
1115.6935	1115.7063	0.0128	11	333	341	FVQLVQLLR							Mascot
1177.6462	1177.6561	0.0099	8	260	269	QTLAFVEIEK							Mascot
1215.6005	1215.616	0.0155	13	164	173	THYVINEDPK							Mascot
1226.6991	1226.71	0.0109	9	472	482	NDIPEITLALK							Mascot
1238.7831	1238.7933	0.0102	8	135	145	GILNILQLNLK							Mascot
1259.5797	1259.5946	0.0149	12	182	191	SKDLSHCQER				Carbamidomethyl (C)[7]			Mascot
1379.7603	1379.7687	0.0084	6	433	445	EVVMLGYGSLIAK							Mascot
1395.7551	1395.7643	0.0092	7	433	445	EVVMLGYGSLIAK				Oxidation (M)[4]			Mascot
1477.91	1477.9259	0.0159	11	532	544	LVQPIALQLVLDR							Mascot
1652.8643	1652.8809	0.0166	10	668	683	TYLAGAAADVIEFGVR							Mascot
1666.8767	1666.894	0.0173	10	483	498	VMGNAGHPSSLKPIMK							Mascot
1682.8717	1682.8958	0.0241	14	483	498	VMGNAGHPSSLKPIMK				Oxidation (M)[2]			Mascot
1699.9377	1699.9528	0.0151	9	34	49	YEALLGGLPQEGLAR							Mascot
1699.9377	1699.9528	0.0151	9	34	49	YEALLGGLPQEGLAR	89	100					Mascot
1706.025	1706.0416	0.0166	10	364	379	WLLDALPAVGTPVLIK							Mascot
1721.9043	1721.9209	0.0166	10	119	134	VFAPAGVSPTVMNLYR							Mascot
1737.8992	1737.9172	0.018	10	119	134	VFAPAGVSPTVMNLYR				Oxidation (M)[12]			Mascot
1796.8928	1796.9176	0.0248	14	72	86	LMDPLLYEYAGTWPK							Mascot
1812.8877	1812.9053	0.0176	10	72	86	LMDPLLYEYAGTWPK				Oxidation (M)[2]			Mascot
1843.9159	1843.9298	0.0139	8	577	592	IEPNMHVASFAYSHIK							Mascot
1859.9109	1859.9304	0.0195	10	577	592	IEPNMHVASFAYSHIK				Oxidation (M)[5]			Mascot
1886.7894	1886.811	0.0216	11	195	210	DVGLAYTESPECTER				Carbamidomethyl (C)[10,13]			Mascot

	2326.2	2326.2205	0.0205	9	283	302	GSLQYEFATEILQTPIQLM K				Oxidation (M)[19]	Mascot	
12	Zgc:136383 protein [Danio rerio]					gi 159155252	123957.1	8.78	19	294	100	227	100
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification		Rank Result Type
	821.4628	821.4716	0.0088	11	322	328 ALHPEVR							Mascot
	821.4628	821.4716	0.0088	11	322	328 ALHPEVR		58	99.958				Mascot
	918.4778	918.5496	0.0718	78	836	843 EILDTEAK							Mascot
	1045.5465	1045.5737	0.0272	26	1123	1130 DFLSWIHK							Mascot
	1097.6677	1097.6796	0.0119	11	291	300 VQVDAILALR							Mascot
	1097.6677	1097.6796	0.0119	11	291	300 VQVDAILALR		98	100				Mascot
	1115.6935	1115.7063	0.0128	11	110	118 FVQLVQLLR		71	99.998				Mascot
	1115.6935	1115.7063	0.0128	11	110	118 FVQLVQLLR							Mascot
	1121.599	1121.6111	0.0121	11	125	133 IEAIWSQFK							Mascot
	1177.6462	1177.6561	0.0099	8	37	46 QTLAFVEIEK							Mascot
	1238.7355	1238.7933	0.0578	47	249	259 NDIPEIILALK							Mascot
	1379.7351	1379.7687	0.0336	24	210	222 EVAMLGYGSLIAR							Mascot
	1382.7889	1382.7999	0.011	8	80	92 ISDAPAQIVEVLK							Mascot
	1395.73	1395.7643	0.0343	25	210	222 EVAMLGYGSLIAR				Oxidation (M)[4]			Mascot
	1477.91	1477.9259	0.0159	11	309	321 LVQPIALQLVLDR							Mascot
	1644.717	1644.8524	0.1354	82	917	932 DTSSGSAAASFEQMQK							Mascot
	1648.821	1648.8413	0.0203	12	974	988 VQLIASSIAENDNMK				Oxidation (M)[14]			Mascot
	1666.8767	1666.894	0.0173	10	260	275 VMGNAGHPSSLKPIMK							Mascot
	1682.8717	1682.8958	0.0241	14	260	275 VMGNAGHPSSLKPIMK				Oxidation (M)[2]			Mascot
	1699.9524	1699.9528	0.0004	0	1087	1101 SLNVIARIPETMSR							Mascot
	1699.9524	1699.9528	0.0004	0	1087	1101 SLNVIARIPETMSR							Mascot
	1706.025	1706.0416	0.0166	10	141	156 WLLDALPAVGTPVLIK							Mascot
	1721.9618	1721.9209	-0.0409	-24	523	538 TIIEEAIPMVAGPKPR							Mascot
	1737.9568	1737.9172	-0.0396	-23	523	538 TIIEEAIPMVAGPKPR				Oxidation (M)[9]			Mascot
	2233.2009	2233.1025	-0.0984	-44	370	391 SLTRITAPDMAYVAGAAN VAIK							Mascot
	2326.2	2326.2205	0.0205	9	60	79 GSLQYEFATEILQTPIQLM K				Oxidation (M)[19]			Mascot
13	Vtg1 protein [Danio rerio]					gi 63100501	36409.1	9.23	5	162	100	146	100
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification		Rank Result Type

	918.4965	918.5496	0.0531	58	279	286	IPEITMSK										Mascot
	1215.6005	1215.616	0.0155	13	71	80	THYVINEDPK										Mascot
	1644.717	1644.8524	0.1354	82	102	117	DTSSGSAAASFEQMQK										Mascot
	1796.9078	1796.9176	0.0098	5	239	253	HILTAAYDTGFRFER										Mascot
	1954.8745	1954.8923	0.0178	9	54	70	TQNIYEMQEAGAQQGVCR						Carbamidomethyl (C)[16]				Mascot
	1954.8745	1954.8923	0.0178	9	54	70	TQNIYEMQEAGAQQGVCR	146		100		Carbamidomethyl (C)[16]					Mascot
	1970.8695	1970.8909	0.0214	11	54	70	TQNIYEMQEAGAQQGVCR					Carbamidomethyl (C)[16], Oxidation (M)[7]					Mascot
14	vitellogenin 1 [Danio rerio]						gi 21391474	21118.2	9	7	137	100	89	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1215.6005	1215.616	0.0155	13	164	173	THYVINEDPK							Mascot
1238.7831	1238.7933	0.0102	8	135	145	GILNQLQLNK							Mascot
1259.5797	1259.5946	0.0149	12	182	191	SKDLSHCQER				Carbamidomethyl (C)[7]			Mascot
1695.8999	1695.9147	0.0148	9	119	134	VFAPAGVSPTVMNLHR							Mascot
1699.9377	1699.9528	0.0151	9	34	49	YEALLLGGLPQEGRLAR							Mascot
1699.9377	1699.9528	0.0151	9	34	49	YEALLLGGLPQEGRLAR	89		100				Mascot
1711.8948	1711.912	0.0172	10	119	134	VFAPAGVSPTVMNLHR	4		0	Oxidation (M)[12]			Mascot
1711.8948	1711.912	0.0172	10	119	134	VFAPAGVSPTVMNLHR				Oxidation (M)[12]			Mascot
1796.8928	1796.9176	0.0248	14	72	86	LMDPLLYEYAGTWPK							Mascot
1812.8877	1812.9053	0.0176	10	72	86	LMDPLLYEYAGTWPK				Oxidation (M)[2]			Mascot
1936.9181	1936.937	0.0189	10	147	163	TQNIYELQEAGAQQGVCR				Carbamidomethyl (C)[16]			Mascot

15 vitellogenin 2 isoform 1 [Danio rerio] gi|113678458 179782.8 8.7 15 129 100 98 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1055.552	1055.5625	0.0105	10	20	28	LVPEFAHDK							Mascot
1097.6677	1097.6796	0.0119	11	514	523	VQVDAILALR							Mascot
1097.6677	1097.6796	0.0119	11	514	523	VQVDAILALR	98		100				Mascot
1115.6055	1115.7063	0.1008	90	1557	1566	QVILNGQESK	7		0				Mascot
1115.6055	1115.7063	0.1008	90	1557	1566	QVILNGQESK							Mascot
1149.6779	1149.6906	0.0127	11	333	341	FVQLVQFLR							Mascot
1177.606	1177.6561	0.0501	43	1146	1156	STGSSLEQIQK							Mascot
1226.6991	1226.71	0.0109	9	472	482	NDIPEITLALK							Mascot

	1477.91	1477.9259	0.0159	11	532	544	LVQPVALQLVLER										Mascot
	1648.9203	1648.8413	-0.079	-48	483	498	VLGNAGHPSSLKPIMK										Mascot
	1666.8799	1666.894	0.0141	8	668	683	AYLAGAATDVIEFGLR										Mascot
	1682.8384	1682.8958	0.0574	34	1198	1212	VQFIASSIAENDNFK										Mascot
	1689.9323	1689.9437	0.0114	7	119	134	VFAPAGVSPSVLNLYR										Mascot
	1737.699	1737.9172	0.2182	126	1616	1631	ETTDHVACRTEQCA										Mascot
	1955.0232	1954.8923	-0.1309	-67	1016	1033	AEGPAVEKLEFEVQVGP R										Mascot
	1955.0232	1954.8923	-0.1309	-67	1016	1033	AEGPAVEKLEFEVQVGP R										Mascot
	2233.2446	2233.1025	-0.1421	-64	425	445	IATIPALREVVMLGYGSMI AK										Mascot
	2938.5164	2938.5325	0.0161	5	446	471	YCVAVPTCPAELLRPIHEI ATEAISK							Carbamidomethyl (C)[2,8]			Mascot
16	PREDICTED: vitellogenin-like, partial [Danio rerio]						gi 326681170	93358.3	9.2	10	122	100	98	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1055.552	1055.5625	0.0105	10	20	28	LVPEFAHDK							Mascot
1097.6677	1097.6796	0.0119	11	514	523	VQVDAILALR							Mascot
1097.6677	1097.6796	0.0119	11	514	523	VQVDAILALR	98		100				Mascot
1149.6779	1149.6906	0.0127	11	333	341	FVQLVQFLR							Mascot
1226.6991	1226.71	0.0109	9	472	482	NDIPEITLALK							Mascot
1477.91	1477.9259	0.0159	11	532	544	LVQPVALQLVLER							Mascot
1648.9203	1648.8413	-0.079	-48	483	498	VLGNAGHPSSLKPIMK							Mascot
1666.8799	1666.894	0.0141	8	668	683	AYLAGAATDVIEFGLR							Mascot
1689.9323	1689.9437	0.0114	7	119	134	VFAPAGVSPSVLNLYR							Mascot
2233.2446	2233.1025	-0.1421	-64	425	445	IATIPALREVVMLGYGSMI AK							Mascot
2938.5164	2938.5325	0.0161	5	446	471	YCVAVPTCPAELLRPIHEI ATEAISK				Carbamidomethyl (C)[2,8]			Mascot

17 Unknown (protein for MGC:174137) [Danio rerio] gi|152012733 17051.5 7.71 3 103 100 89 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
874.4669	874.5159	0.049	56	87	94	DPFVPATK							Mascot
1699.9377	1699.9528	0.0151	9	34	49	YEALLGGLPQEGLAR							Mascot
1699.9377	1699.9528	0.0151	9	34	49	YEALLGGLPQEGLAR	89		100				Mascot
1796.8928	1796.9176	0.0248	14	72	86	LMDPLLYEYAGTWPK							Mascot
1812.8877	1812.9053	0.0176	10	72	86	LMDPLLYEYAGTWPK				Oxidation (M)[2]			Mascot

18 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94732724 24001.7 5.6 5 95 99.999 71 99.998

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1115.6935	1115.7063	0.0128	11	128	136 FVQLVQLLR	71	99.998			Mascot
1115.6935	1115.7063	0.0128	11	128	136 FVQLVQLLR					Mascot
1177.6462	1177.6561	0.0099	8	55	64 QTLAFVEIEK					Mascot
1706.025	1706.0416	0.0166	10	159	174 WLLDALPAVGTPVLIK					Mascot
1796.9581	1796.9176	-0.0405	-23	137	151 LSTLDKFEAIWAQFK					Mascot
2326.2	2326.2205	0.0205	9	78	97 GSLQYEFATEILQTPQLMK			Oxidation (M)[19]		Mascot

19 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94732726 166271.1 8.99 14 61 96.299 19 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
821.3788	821.4716	0.0928	113	1476	1482 SDWQASK					Mascot
821.3788	821.4716	0.0928	113	1476	1482 SDWQASK	4	0			Mascot
918.5267	918.5496	0.0229	25	329	335 TRPNFRK					Mascot
926.473	926.5511	0.0781	84	1	7 PQTYVYR					Mascot
1023.5356	1023.5204	-0.0152	-15	168	176 DVGLSYLEK	19	0			Mascot
1023.5356	1023.5204	-0.0152	-15	168	176 DVGLSYLEK					Mascot
1115.6306	1115.7063	0.0757	68	656	665 TDGIQEVLLK	14	0			Mascot
1115.6306	1115.7063	0.0757	68	656	665 TDGIQEVLLK					Mascot
1137.6813	1137.6852	0.0039	3	841	850 GKIHTLMPLK					Mascot
1149.5754	1149.6906	0.1152	100	177	185 CIECQKQIK			Carbamidomethyl (C)[1]		Mascot
1177.6688	1177.6561	-0.0127	-11	455	466 VLGNAAHPASIK					Mascot
1395.7552	1395.7643	0.0091	7	165	176 IMKDVGLSYLEK					Mascot
1638.7865	1638.8628	0.0763	47	418	431 YCSGALECPVELLK			Carbamidomethyl (C)[2,8]		Mascot
1666.8325	1666.894	0.0615	37	1137	1151 MCADAVLMSKQTIK			Carbamidomethyl (C)[2]		Mascot
1682.9587	1682.8958	-0.0629	-37	455	470 VLGNAAHPASIKYITK					Mascot
1840.9679	1840.9137	-0.0542	-29	471	485 FLPIFGTHIHQFPMR					Mascot
2233.2161	2233.1025	-0.1136	-51	296	313 EVHEDVPLKYIHLIQLMR					Mascot

20 PREDICTED: vitellogenin-1 [Danio rerio] gi|326678656 171273.8 8.99 12 53 78.7 19 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End Sequence	Ion	C. I. %	Modification	Rank	Result Type
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				Seq.	Seq.	Score				
	821.3788	821.4716	0.0928	113	1522	1528	SDWQASK		Mascot	
	821.3788	821.4716	0.0928	113	1522	1528	SDWQASK	4	0	Mascot
	918.5267	918.5496	0.0229	25	355	361	TRPNFRK			Mascot
	1023.5356	1023.5204	-0.0152	-15	194	202	DVGLSYLEK	19	0	Mascot
	1023.5356	1023.5204	-0.0152	-15	194	202	DVGLSYLEK			Mascot
	1115.6306	1115.7063	0.0757	68	682	691	TDGIQEVLLK	14	0	Mascot
	1115.6306	1115.7063	0.0757	68	682	691	TDGIQEVLLK			Mascot
	1137.6813	1137.6852	0.0039	3	867	876	GKIHTLMPLK			Mascot
	1149.5754	1149.6906	0.1152	100	203	211	CIECQQKIK		Carbamidomethyl (C)[1]	Mascot
	1177.6688	1177.6561	-0.0127	-11	481	492	VLGNAAHPASIK			Mascot
	1395.7552	1395.7643	0.0091	7	191	202	IMKDVGLSYLEK			Mascot
	1638.7865	1638.8628	0.0763	47	444	457	YCSGALECPVELLK		Carbamidomethyl (C)[2,8]	Mascot
	1682.9587	1682.8958	-0.0629	-37	481	496	VLGNAAHPASIKYITK			Mascot
	1840.9679	1840.9137	-0.0542	-29	497	511	FLPIFGTHIHQFPMR			Mascot
	2233.2161	2233.1025	-0.1136	-51	322	339	EVHEDVPLKYIHLIQLMR			Mascot
21	signal-induced proliferation-associated 1-like protein 1 [Danio rerio]				gi 113462023	187789.3	8.87	21	48	24.426

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.5363	856.5385	0.0022	3	1676	1682	LQAQIKR					Mascot
874.4893	874.5159	0.0266	30	1160	1166	SGKWLQR					Mascot
1055.5956	1055.5625	-0.0331	-31	1526	1535	SPTTRGAPLR					Mascot
1177.592	1177.6561	0.0641	54	1472	1483	LSSSGPSSSGRR					Mascot
1215.6997	1215.616	-0.0837	-69	793	802	FPFISLAHQR					Mascot
1238.6376	1238.7933	0.1557	126	781	792	HVTSTPIDPSGK					Mascot
1379.743	1379.7687	0.0257	19	1390	1401	QGATSKYLIGWR					Mascot
1477.7355	1477.9259	0.1904	129	864	877	DVIGWTLGSPASMK			Oxidation (M)[13]		Mascot
1647.7981	1647.9065	0.1084	66	999	1012	GCESELHRMPVVEYK					Mascot
1652.781	1652.8809	0.0999	60	1346	1361	HSVSPAVMSSSHSSPR					Mascot
1666.8258	1666.894	0.0682	41	268	282	SDDLGPMPKPVWCQK					Mascot
1682.8245	1682.8958	0.0713	42	1167	1181	EEAVASRPAGQEWK					Mascot
1721.8817	1721.9209	0.0392	23	1402	1417	KPGSTINSVDFGDKR					Mascot
1737.9659	1737.9172	-0.0487	-28	688	701	NIRSHFQHVVVVR					Mascot
1812.8915	1812.9053	0.0138	8	440	454	SNILEHVDLGAYYYR					Mascot

	1844.0198	1843.9298	-0.09	-49	1652	1667	VSQLEALVKMLQEDLK									Mascot
	1860.0146	1859.9304	-0.0842	-45	1652	1667	VSQLEALVKMLQEDLK						Oxidation (M)[10]			Mascot
	1886.9388	1886.811	-0.1278	-68	1143	1159	SMPEGDLHTTGTLSSRR						Oxidation (M)[2]			Mascot
	1970.9965	1970.8909	-0.1056	-54	1141	1158	QKSMPEGDLHTTGTLSS R									Mascot
	2225.0364	2225.1382	0.1018	46	1545	1564	MHGDLSASDTSLADLHD RQR									Mascot
	2233.1709	2233.1025	-0.0684	-31	1639	1660	LSPSEGPSSYGKVSQLEALVK									Mascot
	2938.459	2938.5325	0.0735	25	640	663	DYEIMFHVSTMLPYTPNN KQQLLR									Mascot
22	HORMA domain-containing protein 1 [Danio rerio]				gi 50539782		41017.5	6.07	4	45	0	36	91.951			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
821.4549	821.4716	0.0167	20	148	154	SSMLLVLR			Oxidation (M)[3]		Mascot
821.4549	821.4716	0.0167	20	148	154	SSMLLVLR	36	91.951	Oxidation (M)[3]		Mascot
1055.4608	1055.5625	0.1017	96	1	8	MTCEQKSR			Carbamidomethyl (C)[3], Oxidation (M)[1]		Mascot
1638.7574	1638.8628	0.1054	64	133	147	NGQSLTKMACDNTQK					Mascot
1695.7789	1695.9147	0.1358	80	133	147	NGQSLTKMACDNTQK			Carbamidomethyl (C)[10]		Mascot
1711.7738	1711.912	0.1382	81	133	147	NGQSLTKMACDNTQK			Carbamidomethyl (C)[10], Oxidation (M)[8]		Mascot
1711.7738	1711.912	0.1382	81	133	147	NGQSLTKMACDNTQK			Carbamidomethyl (C)[10], Oxidation (M)[8]		Mascot
2225.1094	2225.1382	0.0288	13	92	109	YLRMVLLSIYCDPDNPQK			Carbamidomethyl (C)[11]		Mascot

23	titin a [Danio rerio]				gi 110005909		3646149.2	6.18	70	44	0	8	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
821.4185	821.4716	0.0531	65	11267	11273	LTVEGMR	3	0	Oxidation (M)[6]		Mascot
821.4767	821.4716	-0.0051	-6	9353	9359	EVFLSVK					Mascot
842.5094	842.5182	0.0088	10	15232	15239	LSIPGVTR					Mascot
856.4886	856.5385	0.0499	58	7306	7312	LTLQEPR					Mascot
870.493	870.5502	0.0572	66	8546	8553	TDIPLPSK					Mascot
874.4992	874.5159	0.0167	19	22772	22779	VSVVDVTR					Mascot
882.4679	882.5753	0.1074	122	2876	2882	YKVSTER					Mascot
888.4785	888.538	0.0595	67	9303	9309	EKDLDLR					Mascot
888.5036	888.538	0.0344	39	31597	31603	IIEEEKK					Mascot
918.5077	918.5496	0.0419	46	22434	22441	VTGLLEMR					Mascot
926.5345	926.5511	0.0166	18	9484	9490	YEIVFKK					Mascot

1023.4775	1023.5204	0.0429	42	29814	29822	AMATSEER	13	0 Oxidation (M)[2]	Mascot
1023.5217	1023.5204	-0.0013	-1	7354	7362	DIRTGGNYK			Mascot
1045.5347	1045.5737	0.039	37	7144	7153	CQIGGTPEIK			Mascot
1055.552	1055.5625	0.0105	10	1809	1816	EELLHWTk			Mascot
1097.6313	1097.6796	0.0483	44	11318	11327	TVLTHVDGKK			Mascot
1097.679	1097.6796	0.0006	1	19211	19219	RPVIDRTIK			Mascot
1115.6418	1115.7063	0.0645	58	2929	2937	EITVLEKQR			Mascot
1115.6418	1115.7063	0.0645	58	2929	2937	EITVLEKQR			Mascot
1121.6313	1121.6111	-0.0202	-18	16022	16030	ITNYVVEKR			Mascot
1137.5834	1137.6852	0.1018	89	29617	29625	NPVTMTRYR			Mascot
1149.6626	1149.6906	0.028	24	23110	23118	ILIQDTRYK			Mascot
1177.6497	1177.6561	0.0064	5	7707	7716	ETTVMVKLK			Mascot
1214.6627	1214.6653	0.0026	2	3752	3762	SPEVTEIQIAK			Mascot
1215.6514	1215.616	-0.0354	-29	19309	19319	CNVPKNLQATK			Mascot
1226.635	1226.71	0.075	61	19949	19958	LEHPGKTWMK			Mascot
1238.6449	1238.7933	0.1484	120	21716	21726	ITGYIVEMQGK			Mascot
1259.6266	1259.5946	-0.032	-25	19551	19562	ASEQPGPVAEFK			Mascot
1379.7417	1379.7687	0.027	20	26957	26968	NTEYSTTLIIPK			Mascot
1382.6924	1382.7999	0.1075	78	14817	14827	DWSRATERPHK			Mascot
1395.705	1395.7643	0.0593	42	24878	24889	LAFTSITNNCVR			Carbamidomethyl (C)[10]
1463.8944	1463.91	0.0156	11	123	136	LDVRVTGIPAPVVK	Mascot		
1463.8944	1463.91	0.0156	11	123	136	LDVRVTGIPAPVVK	Mascot		
1477.8624	1477.9259	0.0635	43	32284	32297	SPEPLVKSPVPSLK	Mascot		
1555.775	1555.7659	-0.0091	-6	25283	25295	VTGLEEGLQYQYR	Mascot		
1622.6752	1622.8712	0.196	121	3468	3481	KDYEGEYSCTASNR	Mascot		
1622.8271	1622.8712	0.0441	27	30745	30759	QTVELDVADVDPPIK	Mascot		
1638.9061	1638.8628	-0.0433	-26	7730	7743	DIDIVELLRNVDPK	Mascot		
1644.8374	1644.8524	0.015	9	507	520	HQEMPLATKQQVTSK	Oxidation (M)[4]	Mascot	
1647.7869	1647.9065	0.1196	73	22715	22728	VYSAVTTCNKMTWK	Oxidation (M)[11]	Mascot	
1648.8176	1648.8413	0.0237	14	3971	3985	FSSEKPSPEKADAQK	Mascot		
1652.8239	1652.8809	0.057	34	17318	17333	ETWGGVSSGSTSTRLK	Mascot		
1666.8945	1666.894	-0.0005	0	8731	8744	IPKQDISQTKPHMK	Oxidation (M)[13]	Mascot	
1682.8418	1682.8958	0.054	32	21716	21730	ITGYIVEMQGKNSDK		Mascot	
1689.9242	1689.9437	0.0195	12	207	221	TIISASQISQTRQTR		Mascot	
1695.8912	1695.9147	0.0235	14	22230	22244	NTDFTTTLVKEAIR		Mascot	
1699.8538	1699.9528	0.099	58	1945	1959	QVVSFTQTLEDAYAK		Mascot	

842.5094	842.5182	0.0088	10	15232	15239	LSIPGVTR				Mascot
856.4886	856.5385	0.0499	58	7306	7312	LTQLEPR				Mascot
870.4203	870.5502	0.1299	149	6908	6915	LSDSGTYK				Mascot
874.4992	874.5159	0.0167	19	22772	22779	VSVVDVTR				Mascot
882.4679	882.5753	0.1074	122	2876	2882	YKVSTER				Mascot
888.4785	888.538	0.0595	67	9303	9309	EKDLDLR				Mascot
888.5036	888.538	0.0344	39	31597	31603	IIEEEEKK				Mascot
918.5077	918.5496	0.0419	46	22434	22441	VTGLLEMR				Mascot
926.5345	926.5511	0.0166	18	9484	9490	YEIVFKK				Mascot
1023.4775	1023.5204	0.0429	42	29814	29822	AMATSEER	13	0	Oxidation (M)[2]	Mascot
1023.5217	1023.5204	-0.0013	-1	7354	7362	DIRTGGNYK				Mascot
1045.5347	1045.5737	0.039	37	7144	7153	CQIGGTPEIK				Mascot
1055.552	1055.5625	0.0105	10	1809	1816	EELLHWTk				Mascot
1097.6313	1097.6796	0.0483	44	11318	11327	TVLTHVDGKK				Mascot
1097.679	1097.6796	0.0006	1	19211	19219	RPVIDRTIK				Mascot
1115.6418	1115.7063	0.0645	58	2929	2937	EITVLEKQR				Mascot
1115.6418	1115.7063	0.0645	58	2929	2937	EITVLEKQR				Mascot
1121.6313	1121.6111	-0.0202	-18	16022	16030	ITNYVVEKR				Mascot
1137.5834	1137.6852	0.1018	89	29617	29625	NPVTMTRYR				Mascot
1149.6626	1149.6906	0.028	24	23110	23118	ILIQDTRYK				Mascot
1177.6497	1177.6561	0.0064	5	7707	7716	ETTVEMVKLK				Mascot
1214.6627	1214.6653	0.0026	2	3752	3762	SPEVTEIQIAK				Mascot
1215.6514	1215.616	-0.0354	-29	19309	19319	CNVPKNLQATK				Mascot
1226.635	1226.71	0.075	61	19949	19958	LEHPGKTWMK				Mascot
1238.6449	1238.7933	0.1484	120	21716	21726	ITGYIVEMQ GK				Mascot
1259.6266	1259.5946	-0.032	-25	19551	19562	ASEQPGPVAEFK				Mascot
1379.7417	1379.7687	0.027	20	26957	26968	NTEYSTTLIIPK				Mascot
1382.6924	1382.7999	0.1075	78	14817	14827	DWSRATERPHK				Mascot
1395.705	1395.7643	0.0593	42	24878	24889	LAFTSITNNCVR			Carbamidomethyl (C)[10]	Mascot
1463.8944	1463.91	0.0156	11	123	136	LDVRVTGIPAPVVK				Mascot
1463.8944	1463.91	0.0156	11	123	136	LDVRVTGIPAPVVK				Mascot
1477.8624	1477.9259	0.0635	43	32284	32297	SPEPLVKSPVPSLK				Mascot
1555.775	1555.7659	-0.0091	-6	25283	25295	VTGLEEGLQYQYR				Mascot
1622.6752	1622.8712	0.196	121	3468	3481	KDYEGEYSCTASNR				Mascot
1622.8271	1622.8712	0.0441	27	30745	30759	QTVELDVADVDP PK				Mascot
1638.9061	1638.8628	-0.0433	-26	7730	7743	DIDIVELLRNVD PK				Mascot

1644.8374	1644.8524	0.015	9	507	520	HQEMLATKQQVTSK	Oxidation (M)[4]	Mascot
1647.7869	1647.9065	0.1196	73	22715	22728	VYSAVTTCKNMTWK	Oxidation (M)[11]	Mascot
1648.8806	1648.8413	-0.0393	-24	1364	1377	NSDIISPHKYPHIK		Mascot
1652.849	1652.8809	0.0319	19	8755	8768	TEEKETFSVQVVTR		Mascot
1666.8945	1666.894	-0.0005	0	8731	8744	IPKQDISQTKPHMK	Oxidation (M)[13]	Mascot
1682.8418	1682.8958	0.054	32	21716	21730	ITGYIVEMQGKNSDK		Mascot
1689.9242	1689.9437	0.0195	12	207	221	TIISASQISQTRQTR		Mascot
1695.8912	1695.9147	0.0235	14	22230	22244	NTDFTTTLSVKEAIR		Mascot
1699.8538	1699.9528	0.099	58	1945	1959	QVVSFTQTLEDAYAK		Mascot
1699.8538	1699.9528	0.099	58	1945	1959	QVVSFTQTLEDAYAK		Mascot
1705.9958	1706.0416	0.0458	27	8433	8448	EPSKKPGAPLLATQR		Mascot
1711.7843	1711.912	0.1277	75	9785	9799	EASLSADKDQEMFPK	Oxidation (M)[12]	Mascot
1711.8861	1711.912	0.0259	15	32021	32035	RDEEAPTQIVPDITK		Mascot
1721.9332	1721.9209	-0.0123	-7	10053	10067	AVAFAPKEHLEERPK		Mascot
1737.917	1737.9172	0.0002	0	19341	19356	IGFGEPSEVPEKHLAK		Mascot
1796.8094	1796.9176	0.1082	60	18756	18771	HPFDPPSEPLNCCVNK		Mascot
1812.9126	1812.9053	-0.0073	-4	21602	21618	DSVSLIWDPPVIDGGSR		Mascot
1824.9602	1824.9142	-0.046	-25	29529	29544	LVEGTEYVFRVAATNR		Mascot
1840.9301	1840.9137	-0.0164	-9	20615	20631	DTATLAWTKPKHDGGSR		Mascot
1843.9331	1843.9298	-0.0033	-2	2604	2619	NQELKPSANVQIMSER		Mascot
1859.928	1859.9304	0.0024	1	2604	2619	NQELKPSANVQIMSER	Oxidation (M)[13]	Mascot
1886.9857	1886.811	-0.1747	-93	19335	19352	VSAVNKIGFGEPSEVPEK		Mascot
1906.9504	1906.8885	-0.0619	-32	20182	20200	VSAVNQYGTGDTVQSGP VK		Mascot
1936.9611	1936.937	-0.0241	-12	25798	25815	IGPSESPETDPQVAKER		Mascot
1954.9691	1954.8923	-0.0768	-39	11453	11469	VVRPMYGVELFGETAR	Oxidation (M)[5]	Mascot
1954.9691	1954.8923	-0.0768	-39	11453	11469	VVRPMYGVELFGETAR	Oxidation (M)[5]	Mascot
1970.877	1970.8909	0.0139	7	16626	16641	DLWMPVTESCTRTSCK	Carbamidomethyl (C)[10, 15]	Mascot
2083.0276	2082.9944	-0.0332	-16	13143	13161	WTFGENALTAGDRVSMV TK		Mascot
2141.9907	2142.2322	0.2415	113	15348	15366	AENKYGISEACETEEVEI K		Mascot
2211.1438	2211.125	-0.0188	-9	6982	7001	SCEIALRGDTAILELHNID K		Mascot
2225.1382	2225.1382	0	0	29539	29559	VAATNRFGIGGFLQSEVV ECK		Mascot
2232.9575	2233.1025	0.145	65	1525	1542	MINEFGYCSLDYEVAYS	Carbamidomethyl (C)[8], Oxidation (M)[1]	Mascot
2283.1899	2283.198	0.0081	4	3763	3783	EHPSQVMSALTESVTPLT IVK	Oxidation (M)[7]	Mascot
2284.1819	2284.1936	0.0117	5	21598	21618	EITKDSVSLIWDPPVIDGG SR		Mascot
2326.1421	2326.2205	0.0784	34	16860	16881	AVNAAGESEPAYVPEPV RAQDR		Mascot

		2914.4026	2914.5107	0.1081	37	3207	3233	VDGETEVM DYSSKFPPQ ATSSPLTSIK							Mascot
		2938.4502	2938.5325	0.0823	28	4621	4647	IQNLEVN VGSSAKFECEI EEAPGVTFK							Mascot
25	RecName: Full=HORMA domain-containing protein 1	gi 145558933	40949.4	5.97	3	44	0	36	91.951						
	Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification			Rank	Result Type
		821.4549	821.4716	0.0167	20	148	154	SSMLLVLR			Oxidation (M)[3]				Mascot
		821.4549	821.4716	0.0167	20	148	154	SSMLLVLR	36	91.951	Oxidation (M)[3]				Mascot
		1638.7574	1638.8628	0.1054	64	133	147	NGQSLTKMACDNTQK							Mascot
		1695.7789	1695.9147	0.1358	80	133	147	NGQSLTKMACDNTQK			Carbamidomethyl (C)[10]				Mascot
		1711.7738	1711.912	0.1382	81	133	147	NGQSLTKMACDNTQK			Carbamidomethyl (C)[10], Oxidation (M)[8]				Mascot
		1711.7738	1711.912	0.1382	81	133	147	NGQSLTKMACDNTQK			Carbamidomethyl (C)[10], Oxidation (M)[8]				Mascot
		2225.1094	2225.1382	0.0288	13	92	109	YLRMVLLSIYC DPNPQK			Carbamidomethyl (C)[11]				Mascot
26	PREDICTED: hypothetical protein LOC100004944 [Danio rerio]	gi 125854141	69244.2	6.33	12	44	0								
	Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification			Rank	Result Type
		874.4265	874.5159	0.0894	102	526	532	ENENQLK							Mascot
		1023.533	1023.5204	-0.0126	-12	133	140	RDENKPHK							Mascot
		1023.533	1023.5204	-0.0126	-12	133	140	RDENKPHK							Mascot
		1045.452	1045.5737	0.1217	116	472	479	CHYS DHVK			Carbamidomethyl (C)[1]				Mascot
		1259.6525	1259.5946	-0.0579	-46	299	309	EAIKCALNGR			Carbamidomethyl (C)[6]				Mascot
		1622.8207	1622.8712	0.0505	31	220	233	GIDFDIDIGMRLNK			Oxidation (M)[10]				Mascot
		1622.8207	1622.8712	0.0505	31	220	233	GIDFDIDIGMRLNK			Oxidation (M)[10]				Mascot
		1666.8395	1666.894	0.0545	33	391	404	HELKQAQDALQEEK							Mascot
		1689.9105	1689.9437	0.0332	20	343	357	GMTGLTQFINNIKPR							Mascot
		1705.9054	1706.0416	0.1362	80	343	357	GMTGLTQFINNIKPR			Oxidation (M)[2]				Mascot
		1737.8258	1737.9172	0.0914	53	2	17	ASKNSSLESLS CPVCR			Carbamidomethyl (C)[12]				Mascot
		1796.9211	1796.9176	-0.0035	-2	234	249	IDDLTHEINAVCLVNK							Mascot
		1859.7906	1859.9304	0.1398	75	457	471	CTVMKDYHCTVCTNK			Carbamidomethyl (C)[1,9]				Mascot
		2211.1147	2211.125	0.0103	5	153	171	TTLNVNMVNYMLGVERE DK							Mascot
		2283.2595	2283.198	-0.0615	-27	544	563	IALNTDSLNTLLHIDFLIEK							Mascot
27	novel protein similar to human ankyrin repeat and MYND domain containing 1 (ANKMY1) [Danio rerio]	gi 148725364	49558.8	7.96	10	44	0								

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type	
918.454	918.5496	0.0956	104	380	386	GRSWEQR					Mascot		
1055.5415	1055.5625	0.021	20	127	135	TALHVACQR			Carbamidomethyl (C)[7]		Mascot		
1137.615	1137.6852	0.0702	62	49	58	TDIPLPPEQK					Mascot		
1382.7247	1382.7999	0.0752	54	401	412	SNSGRIEPNRPR					Mascot		
1622.7335	1622.8712	0.1377	85	227	241	AGADVLMPVMVCDGR			Carbamidomethyl (C)[12], Oxidation (M)[7,10]		Mascot		
1622.7335	1622.8712	0.1377	85	227	241	AGADVLMPVMVCDGR			Carbamidomethyl (C)[12], Oxidation (M)[7,10]		Mascot		
1647.8547	1647.9065	0.0518	31	321	336	SAVTSSLLNSPESISR					Mascot		
1648.6301	1648.8413	0.2112	128	368	379	CHEVYYCSNTR			Carbamidomethyl (C)[1,7,11]		Mascot		
1689.8234	1689.9437	0.1203	71	227	242	AGADVLMPVMVCDGRR					Mascot		
1705.8182	1706.0416	0.2234	131	227	242	AGADVLMPVMVCDGRR			Oxidation (M)[7]		Mascot		
1721.8131	1721.9209	0.1078	63	227	242	AGADVLMPVMVCDGRR			Oxidation (M)[7,10]		Mascot		
1937.016	1936.937	-0.079	-41	42	58	LLECGARTDIPLPPEQK			Carbamidomethyl (C)[4]		Mascot		
2211.0745	2211.125	0.0505	23	321	341	SAVTSSLLNSPESISRMS CNK					Mascot		
2284.0908	2284.1936	0.1028	45	321	341	SAVTSSLLNSPESISRMS CNK			Carbamidomethyl (C)[19], Oxidation (M)[17]		Mascot		
28	novel protein [Danio rerio]			gi 126540716			8191	6.01	2	43	0	30	72.092

Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	1097.679	1097.6796	0.0006	1	2	11	PSRVSVAILR					Mascot
	1097.679	1097.6796	0.0006	1	2	11	PSRVSVAILR	30	72.092			Mascot
	1906.9446	1906.8885	-0.0561	-29	55	71	VNGEGKFISYALSHHFT					Mascot
29	Sipa1l1 protein [Danio rerio]				gi 190340108			188873.8	8.64	20	42	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification		
856.5363	856.5385	0.0022	3	1703	1709	LQAQIKR				Mascot
1055.5956	1055.5625	-0.0331	-31	1553	1562	SPTTRGAPLR				Mascot
1177.592	1177.6561	0.0641	54	1499	1510	LSSSGPSSSGRR				Mascot
1215.6997	1215.616	-0.0837	-69	794	803	FPFISLAHQR				Mascot
1238.6376	1238.7933	0.1557	126	782	793	HVTSTPIDPSGK				Mascot
1379.743	1379.7687	0.0257	19	1417	1428	QGATSKYLIGWR				Mascot

1477.7355	1477.9259	0.1904	129	865	878	DVIGWTLGSPASMK	Oxidation (M)[13]	Mascot
1647.7981	1647.9065	0.1084	66	1000	1013	GCSELHRMPVVEYK		Mascot
1652.781	1652.8809	0.0999	60	1373	1388	HSVSPAVMSSSHSSPR		Mascot
1666.8258	1666.894	0.0682	41	269	283	SDDLGPMPKPWVCQK		Mascot
1682.7803	1682.8958	0.1155	69	891	904	SMNNNTEDFREVVK		Mascot
1699.8134	1699.9528	0.1394	82	1179	1194	VEDSSDRPPSDAPVTK		Mascot
1699.8134	1699.9528	0.1394	82	1179	1194	VEDSSDRPPSDAPVTK		Mascot
1721.8817	1721.9209	0.0392	23	1429	1444	KPGSTINSVDFGTRK		Mascot
1737.9659	1737.9172	-0.0487	-28	689	702	NIRSHFQHFVVVR		Mascot
1812.8915	1812.9053	0.0138	8	441	455	SNILEHVDLGAYYYR		Mascot
1840.7654	1840.9137	0.1483	81	1356	1372	DGSTYSLSDMASYSSNR		Mascot
1844.0198	1843.9298	-0.09	-49	1679	1694	VSQLEALVKMLQEDLK		Mascot
1860.0146	1859.9304	-0.0842	-45	1679	1694	VSQLEALVKMLQEDLK	Oxidation (M)[10]	Mascot
2225.0364	2225.1382	0.1018	46	1572	1591	MHGDLSASDTSLADLHD RQR		Mascot
2233.1709	2233.1025	-0.0684	-31	1666	1687	LSPSEGPSSYGKVSQLEALVK		Mascot
2938.459	2938.5325	0.0735	25	641	664	DYEIMFHVSTMLPYTPNN KQQLLR		Mascot

30 PREDICTED: zinc finger protein 836-like [Danio rerio] gi|292610335 57699.7 8.44 13 42 0

Peptide Information							Ion Score	C. I. %	Modification	Rank	Result Type	
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence						
856.4497	856.5385	0.0888	104	218	223	VFFCKR	14	0	Carbamidomethyl (C)[4]		Mascot	
1023.5179	1023.5204	0.0025	2	224	232	CDISFPTLK				Mascot		
1023.5179	1023.5204	0.0025	2	224	232	CDISFPTLK				Mascot		
1055.5012	1055.5625	0.0613	58	189	197	TTFPCKQCK				Mascot		
1115.6418	1115.7063	0.0645	58	38	47	EVASLEAKLR				Mascot		
1115.6418	1115.7063	0.0645	58	38	47	EVASLEAKLR				Mascot		
1121.4536	1121.6111	0.1575	140	357	365	MHQCLQCDK				Oxidation (M)[1]		Mascot
1177.6398	1177.6561	0.0163	14	185	194	QKPKTTFPCK						Mascot
1215.5687	1215.616	0.0473	39	314	323	DGSHFKTHMR						Mascot
1379.5718	1379.7687	0.1969	143	272	282	EKPFHCSECDK					Carbamidomethyl (C)[6]	
1644.71	1644.8524	0.1424	87	1	14	MLSMEVQVDVSCCK			Carbamidomethyl (C)[12], Oxidation (M)[1]		Mascot	
1699.7714	1699.9528	0.1814	107	352	365	IHSEKMHQCLQCDK					Mascot	
1699.7714	1699.9528	0.1814	107	352	365	IHSEKMHQCLQCDK					Mascot	
1737.8137	1737.9172	0.1035	60	173	188	DSSDEETASTSKQKPK					Mascot	
1824.8995	1824.9142	0.0147	8	296	310	IHTGERPYKCPHCVK			Carbamidomethyl (C)[10]		Mascot	

	1936.7137	1936.937	0.2233	115	157	172	DDHCDDDDFIPSDENK					Carbamidomethyl (C)[4]	Mascot
31	PREDICTED: galactose-3-O-sulfotransferase 2-like, partial [Danio rerio]				gi 326674388	68895.3	9.51	5	40	0	30	73.348	

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	%	Modification	Rank	Result Type
821.4151	821.4716	0.0565	69	262	268 FSSPEVR							Mascot
821.4151	821.4716	0.0565	69	262	268 FSSPEVR		30		73.348			Mascot
870.5195	870.5502	0.0307	35	191	197 NHIVFLK							Mascot
1121.5408	1121.6111	0.0703	63	19	28 TASPWTTCVR							Mascot
1638.7089	1638.8628	0.1539	94	121	135 EEEGTDQNNLSSTK							Mascot
1971.0116	1970.8909	-0.1207	-61	181	197 ADNSVTCQPKNHIVFLK					Carbamidomethyl (C)[7]		Mascot

32	PREDICTED: myosin-Ie [Danio rerio]				gi 326669395	126893.9	9.25	15	40	0		
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Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	%	Modification	Rank	Result Type
856.4423	856.5385	0.0962	112	621	627 AGYAYRR							Mascot
874.4741	874.5159	0.0418	48	556	564 GRPTTAGSK							Mascot
1023.4965	1023.5204	0.0239	23	164	172 NNNSSRFGK							Mascot
1023.4965	1023.5204	0.0239	23	164	172 NNNSSRFGK							Mascot
1097.6062	1097.6796	0.0734	67	353	362 DALSKALHSR							Mascot
1097.6062	1097.6796	0.0734	67	353	362 DALSKALHSR		6		0			Mascot
1115.6531	1115.7063	0.0532	48	556	566 GRPTTAGSKIK		2		0			Mascot
1115.6531	1115.7063	0.0532	48	556	566 GRPTTAGSKIK							Mascot
1177.5518	1177.6561	0.1043	89	474	484 GEGADQTMLQK							Mascot
1238.7256	1238.7933	0.0677	55	632	641 FLNRYAILTK							Mascot
1259.6842	1259.5946	-0.0896	-71	720	730 EEASDLLLNKK							Mascot
1689.8806	1689.9437	0.0631	37	680	693 APESLFLLEETRER							Mascot
1711.8201	1711.912	0.0919	54	5	17 GHYRYHWQSHNVK							Mascot
1711.8201	1711.912	0.0919	54	5	17 GHYRYHWQSHNVK							Mascot
1824.916	1824.9142	-0.0018	-1	715	729 YVQMREEASDLLLNK					Oxidation (M)[4]		Mascot
1859.9255	1859.9304	0.0049	3	579	593 CTPHYIRCIPNETK					Carbamidomethyl (C)[1]		Mascot
2142.0393	2142.2322	0.1929	90	454	473 INPPGIMSILDDVCATMHAK					Oxidation (M)[7]		Mascot
2284.0366	2284.1936	0.157	69	98	118 NMMIDRENQCVIISGESGAGK					Oxidation (M)[2,3]		Mascot
2938.3589	2938.5325	0.1736	59	487	510 MQINNHEHFNSWNQGFIIHHYAGK					Oxidation (M)[1]		Mascot

33 striated muscle preferentially expressed protein kinase g|55741920 333474.3 8.12 15 40 0 30 72.11
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
842.4189	842.5182	0.0993	118	887	892 KMTQYR			Oxidation (M)[2]		Mascot
874.5032	874.5159	0.0127	15	863	870 VTGLPYPK					Mascot
1055.5303	1055.5625	0.0322	31	1709	1717 AVSMELPHR			Oxidation (M)[4]		Mascot
1097.6313	1097.6796	0.0483	44	2194	2203 INDSPVLALR					Mascot
1097.6313	1097.6796	0.0483	44	2194	2203 INDSPVLALR	33	84.908			Mascot
1226.6527	1226.71	0.0573	47	1260	1270 EIGRGAFSYVK					Mascot
1238.6449	1238.7933	0.1484	120	2445	2454 VPCTYTIEKK			Carbamidomethyl (C)[3]		Mascot
1259.7544	1259.5946	-0.1598	-127	950	959 MILLSWKPK			Oxidation (M)[1]		Mascot
1382.6984	1382.7999	0.1015	73	1729	1739 EDYALKDLMR			Oxidation (M)[10]		Mascot
1644.9279	1644.8524	-0.0755	-46	1341	1354 RTTILESEVQSIIR					Mascot
1647.8676	1647.9065	0.0389	24	2914	2926 ILNSYPWCRPTIK			Carbamidomethyl (C)[8]		Mascot
1695.9138	1695.9147	0.0009	1	2707	2720 MFIAKIIPYDQQT					Mascot
1699.9298	1699.9528	0.023	14	698	712 EELICTANLLVIPS			Carbamidomethyl (C)[5]		Mascot
1699.9298	1699.9528	0.023	14	698	712 EELICTANLLVIPS			Carbamidomethyl (C)[5]		Mascot
1705.9343	1706.0416	0.1073	63	173	189 ALGSRAPGLQEPLSPGR					Mascot
1711.9087	1711.912	0.0033	2	2707	2720 MFIAKIIPYDQQT			Oxidation (M)[1]		Mascot
1711.9087	1711.912	0.0033	2	2707	2720 MFIAKIIPYDQQT			Oxidation (M)[1]		Mascot
1859.9255	1859.9304	0.0049	3	2735	2749 CERIMALHEAYITPR			Carbamidomethyl (C)[1]		Mascot
1906.8521	1906.8885	0.0364	19	1907	1922 VEEMKEQDSVPENMNK					Mascot

34 PREDICTED: zinc finger protein 845-like isoform 1
[Danio rerio]

g|326664549 110747.2 8.71 14 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1055.5554	1055.5625	0.0071	7	384	392 GFSTKMQLK			Oxidation (M)[6]		Mascot
1115.6418	1115.7063	0.0645	58	39	48 EVASLEAKLR	14	0			Mascot
1115.6418	1115.7063	0.0645	58	39	48 EVASLEAKLR					Mascot
1121.552	1121.6111	0.0591	53	905	913 CFSRPEAVR			Carbamidomethyl (C)[1]		Mascot
1149.6163	1149.6906	0.0743	65	585	592 YYLLRHER					Mascot
1214.635	1214.6653	0.0303	25	267	276 CFGTKYNLLR					Mascot
1215.7069	1215.616	-0.0909	-75	821	830 HEIVHRGIVR					Mascot

	1644.71	1644.8524	0.1424	87	2	15	MLSMEVQVDVSCCK										Carbamidomethyl (C)[12], Oxidation (M)[1]	Mascot
	1682.9185	1682.8958	-0.0227	-13	214	229	QQPTGKSSSGKPQKPK											Mascot
	1711.8328	1711.912	0.0792	46	773	787	QALQCSYCPKLLCNK	7		0								Mascot
	1711.8328	1711.912	0.0792	46	773	787	QALQCSYCPKLLCNK											Mascot
	1737.7683	1737.9172	0.1489	86	593	607	THTGEKPYQCSQCQK											Mascot
	2225.0227	2225.1382	0.1155	52	729	747	THEIHTGEKPYQCSHCN K											Mascot
	2284.0386	2284.1936	0.155	68	919	937	HTGEKPYHCSLCSERFS FR											Mascot
	2326.0273	2326.2205	0.1932	83	313	332	THTGARPYQCSHCQKSF CSK										Carbamidomethyl (C)[10]	Mascot
	2938.2627	2938.5325	0.2698	92	285	308	TDDVERPYQCSHCQKCF VESYLCK										Carbamidomethyl (C)[10]	Mascot
35	novel protein similar to H.sapiens TTN, titin (TTN) [Danio rerio]					gi 169154588	2451841.5	6.24	66	40	0	9	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
821.4185	821.4716	0.0531	65	504	510	LTVEGMR	3	0	Oxidation (M)[6]		Mascot
821.4515	821.4716	0.0201	24	17148	17153	QYILER					Mascot
842.5094	842.5182	0.0088	10	4439	4446	LSIPGVTR					Mascot
856.4634	856.5385	0.0751	88	1798	1804	EIREGPR					Mascot
874.4992	874.5159	0.0167	19	12103	12110	VSVVDVTR					Mascot
888.4461	888.538	0.0919	103	3978	3985	FSPSPSEPK					Mascot
888.5036	888.538	0.0344	39	20928	20934	IIIEEEKK					Mascot
918.5077	918.5496	0.0419	46	11765	11772	VTGLLEMR					Mascot
926.4842	926.5511	0.0669	72	8026	8032	EYGFVR					Mascot
1023.4775	1023.5204	0.0429	42	19145	19153	AMATSEER	13	0	Oxidation (M)[2]		Mascot
1023.4775	1023.5204	0.0429	42	19145	19153	AMATSEER			Oxidation (M)[2]		Mascot
1045.6404	1045.5737	-0.0667	-64	5457	5466	GTFKVVPLK					Mascot
1055.5078	1055.5625	0.0547	52	1356	1364	YEMISEGVK					Mascot
1097.6313	1097.6796	0.0483	44	555	564	TVLTHVDGKK					Mascot
1097.679	1097.6796	0.0006	1	8507	8515	RPVIDRTIK					Mascot
1115.5513	1115.7063	0.155	139	3967	3977	VCAENIAGPGK			Carbamidomethyl (C)[2]		Mascot
1115.6418	1115.7063	0.0645	58	10041	10051	TVVAKAGDNLK					Mascot
1121.6313	1121.6111	-0.0202	-18	5229	5237	ITNYVVEKR					Mascot
1137.5834	1137.6852	0.1018	89	18948	18956	NPVTMTRYR					Mascot
1149.6626	1149.6906	0.028	24	12441	12449	ILIQDTRYK					Mascot
1177.6913	1177.6561	-0.0352	-30	17168	17176	RPITELRHR					Mascot

1214.5293	1214.6653	0.136	112	1267	1276	YDMVADGCKR	Carbamidomethyl (C)[8]	Mascot
1215.6514	1215.616	-0.0354	-29	8605	8615	CNVPKNLQATK		Mascot
1226.635	1226.71	0.075	61	9280	9289	LEHPGKTWMK		Mascot
1238.6449	1238.7933	0.1484	120	11047	11057	ITGYIVEMQGK		Mascot
1259.6266	1259.5946	-0.032	-25	8847	8858	ASEQPGPVAEFK		Mascot
1379.7417	1379.7687	0.027	20	16288	16299	NTEYSTTLIIPK		Mascot
1382.6924	1382.7999	0.1075	78	4024	4034	DWSRATERPHK		Mascot
1395.705	1395.7643	0.0593	42	14209	14220	LAFTSITNNCVR	Carbamidomethyl (C)[10]	Mascot
1463.8767	1463.91	0.0333	23	6495	6508	LPALMRGLPVPTAK		Mascot
1463.8767	1463.91	0.0333	23	6495	6508	LPALMRGLPVPTAK		Mascot
1477.8624	1477.9259	0.0635	43	21615	21628	SPEPLVKSPVPSLK		Mascot
1555.775	1555.7659	-0.0091	-6	14614	14626	VTGLEEGLQYQYR		Mascot
1622.8271	1622.8712	0.0441	27	20076	20090	QTVELDVADVDPDPK		Mascot
1622.97	1622.8712	-0.0988	-61	192	206	QIAGKVQVNVIGLQR		Mascot
1644.8115	1644.8524	0.0409	25	7755	7769	SYLATDPKSEPDPK		Mascot
1647.7869	1647.9065	0.1196	73	12046	12059	VYSAVTTCKNMTWK	Oxidation (M)[11]	Mascot
1648.6432	1648.8413	0.1981	120	1372	1385	SVFDDEAEYECDA		Mascot
1652.8239	1652.8809	0.057	34	6614	6629	ETWGGVSSGSTSTRLK		Mascot
1666.8317	1666.894	0.0623	37	6244	6258	AEIETSGTTTKLEMR		Mascot
1682.8418	1682.8958	0.054	32	11047	11061	ITGYIVEMQGNKSDK		Mascot
1689.8441	1689.9437	0.0996	59	5104	5119	EALGAEGFDVNIVAR		Mascot
1695.8912	1695.9147	0.0235	14	11561	11575	NTDFTTTLVKEAIR		Mascot
1699.7731	1699.9528	0.1797	106	4559	4573	YGISEACETEEVEIK		Mascot
1699.8108	1699.9528	0.142	84	4604	4618	DSGGSMITGYWLEKR	Oxidation (M)[4]	Mascot
1711.8134	1711.912	0.0986	58	2692	2707	DDTATYIIEAVNSSGR		Mascot
1711.8861	1711.912	0.0259	15	21352	21366	RDEEAPTQIVPDITK		Mascot
1721.8817	1721.9209	0.0392	23	14822	14837	DSGQYVLTQNVAGTR		Mascot
1737.917	1737.9172	0.0002	0	8637	8652	IGFGEPSEVPEKHLAK		Mascot
1796.8094	1796.9176	0.1082	60	8052	8067	HPFDPPSEPLNCCVNK		Mascot
1812.9126	1812.9053	-0.0073	-4	10933	10949	DSVSLIWDPPVIDGGS		Mascot
1824.9602	1824.9142	-0.046	-25	18860	18875	LVEGTEYVFRVAATNR		Mascot
1840.9301	1840.9137	-0.0164	-9	9946	9962	DTATLAWTKPKHGGSR	Oxidation (M)[4]	Mascot
1843.9371	1843.9298	-0.0073	-4	910	925	VVHMSDGKIHTLSFK		Mascot
1859.9021	1859.9304	0.0283	15	18050	18065	ELDPGEKYSLYTSTR		Mascot
1886.9857	1886.811	-0.1747	-93	8631	8648	VSAVNKIGFGEPSEVPEK		Mascot
1906.9504	1906.8885	-0.0619	-32	9513	9531	VSAVNQYGTGDTVQSGP VK		Mascot
1936.9611	1936.937	-0.0241	-12	15129	15146	IGPSESPETDPQVAKER		Mascot

1954.9691	1954.8923	-0.0768	-39	690	706	VVRPMYGVELFDGETAR	Oxidation (M)[5]	Mascot
1954.9691	1954.8923	-0.0768	-39	690	706	VVRPMYGVELFDGETAR	Oxidation (M)[5]	Mascot
1970.877	1970.8909	0.0139	7	5938	5953	DLWMPVTESCTRTSCK	Carbamidomethyl (C)[10,15]	Mascot
2083.0276	2082.9944	-0.0332	-16	2364	2382	WTFGENALTAGDRVSMV TK		Mascot
2141.9907	2142.2322	0.2415	113	4555	4573	AENKYGISEACETEEVEI K		Mascot
2211.0713	2211.125	0.0537	24	19288	19307	TPLCPPEPPSFPEIMDV TK	Oxidation (M)[16]	Mascot
2225.1382	2225.1382	0	0	18870	18890	VAATNRFGIGGFLQSEVV ECK		Mascot
2283.1511	2283.198	0.0469	21	4790	4809	IFMDISADELLCVRAGTPF K	Carbamidomethyl (C)[12]	Mascot
2284.1819	2284.1936	0.0117	5	10929	10949	EITKDSVSLIWDPPVIDGG SR		Mascot
2326.1421	2326.2205	0.0784	34	6172	6193	AVNAAGESEPAYVPEPV RAQDR		Mascot
2938.4402	2938.5325	0.0923	31	5908	5933	NYMVISWNPLDDGGAII SNYIVEKR	Oxidation (M)[3]	Mascot

36

novel protein similar to vertebrate transmembrane protein 16H (TMEM16H) [Danio rerio]

gi|169158193

112029.6

5.99

10

40

0

26

27.601

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
856.49	856.5385	0.0485	57	12	18	GRLFHAR						Mascot
1115.6782	1115.7063	0.0281	25	2	11	SSAVLEKLLR	26	27.601				Mascot
1115.6782	1115.7063	0.0281	25	2	11	SSAVLEKLLR						Mascot
1121.4891	1121.6111	0.122	109	614	624	AAGGENNTMEK						Mascot
1137.7354	1137.6852	-0.0502	-44	878	887	LKQIIPLQGK						Mascot
1149.6626	1149.6906	0.028	24	520	529	SLISSYRVPK						Mascot
1463.8654	1463.91	0.0446	30	437	448	LKEMLATLLIFR				Oxidation (M)[4]		Mascot
1463.8654	1463.91	0.0446	30	437	448	LKEMLATLLIFR				Oxidation (M)[4]		Mascot
1555.7903	1555.7659	-0.0244	-16	456	467	EVLQPYLYEHKK						Mascot
1666.921	1666.894	-0.027	-16	174	186	RVILQMFPPLHEQR						Mascot
1682.9159	1682.8958	-0.0201	-12	174	186	RVILQMFPPLHEQR				Oxidation (M)[6]		Mascot
1906.9514	1906.8885	-0.0629	-33	187	202	ILNQLMTSWVQAVCER				Oxidation (M)[6]		Mascot
2283.1477	2283.198	0.0503	22	769	788	YVIHVAIPDVPNWWADEM AK				Oxidation (M)[18]		Mascot

37

PREDICTED: hypothetical protein LOC562947 [Danio rerio]

gi|292610701

116105.4

5.91

10

39

0

26

27.601

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
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	856.49	856.5385	0.0485	57	12	18	GRLFHAR										Mascot
	1115.6782	1115.7063	0.0281	25	2	11	SSAVLEKLLR	26	27.601								Mascot
	1115.6782	1115.7063	0.0281	25	2	11	SSAVLEKLLR										Mascot
	1121.4891	1121.6111	0.122	109	614	624	AAGGENNTEK										Mascot
	1137.7354	1137.6852	-0.0502	-44	878	887	LKQIPLQK										Mascot
	1149.6626	1149.6906	0.028	24	520	529	SLISSYRVPK										Mascot
	1463.8654	1463.91	0.0446	30	437	448	LKEMLATLLIFR					Oxidation (M)[4]					Mascot
	1463.8654	1463.91	0.0446	30	437	448	LKEMLATLLIFR					Oxidation (M)[4]					Mascot
	1555.7903	1555.7659	-0.0244	-16	456	467	EVLQPYLYEHK										Mascot
	1666.921	1666.894	-0.027	-16	174	186	RVILQMFPLHEQR										Mascot
	1682.9159	1682.8958	-0.0201	-12	174	186	RVILQMFPLHEQR					Oxidation (M)[6]					Mascot
	1906.9514	1906.8885	-0.0629	-33	187	202	ILNQLMTSWVQAVCER					Oxidation (M)[6]					Mascot
	2283.1477	2283.198	0.0503	22	769	788	YVIHVAIPDVPNWWADEM AK					Oxidation (M)[18]					Mascot
38	novel protein similar to vertebrate cytoplasmic linker associated protein 1 (CLASP1) [Danio rerio]						gi 159569348	164674.4	8.99	18	38	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.5502	856.5385	-0.0117	-14	1277	1284	GALIELLK					Mascot
870.577	870.5502	-0.0268	-31	1323	1329	VLKEILR					Mascot
874.5257	874.5159	-0.0098	-11	1057	1063	LLHNHLK					Mascot
1177.5696	1177.6561	0.0865	73	596	607	SDIDVNAASSAK					Mascot
1226.7831	1226.71	-0.0731	-60	1277	1287	GALIELLKITR					Mascot
1238.7467	1238.7933	0.0466	38	480	490	HVAVLTETIKK					Mascot
1382.7175	1382.7999	0.0824	60	333	343	QDWEHRVTALK					Mascot
1622.8649	1622.8712	0.0063	4	216	228	LNIVFSRFDEVQR					Mascot
1622.8649	1622.8712	0.0063	4	216	228	LNIVFSRFDEVQR					Mascot
1648.8007	1648.8413	0.0406	25	727	741	SSRIPRPSMSQGCSR					Mascot
1695.8081	1695.9147	0.1066	63	2	15	EPNMEYCLTQVLQK					Mascot
1699.7599	1699.9528	0.1929	113	266	282	GGSMGSMRRPSSASGS R			Oxidation (M)[4,7]		Mascot
1699.7599	1699.9528	0.1929	113	266	282	GGSMGSMRRPSSASGS R			Oxidation (M)[4,7]		Mascot
1705.8715	1706.0416	0.1701	100	552	567	SSSSSQESLNRPLSVK					Mascot
1711.803	1711.912	0.109	64	2	15	EPNMEYCLTQVLQK			Oxidation (M)[4]		Mascot
1711.803	1711.912	0.109	64	2	15	EPNMEYCLTQVLQK			Oxidation (M)[4]		Mascot
1721.817	1721.9209	0.1039	60	727	741	SSRIPRPSMSQGCSR			Carbamidomethyl (C)[13], Oxidation (M)[9]		Mascot

	1737.8265	1737.9172	0.0907	52	118	131	IMEQSATPQYIWDR											Mascot
	1843.7915	1843.9298	0.1383	75	1224	1238	EAVFDDDDVEQFRDCR											Mascot
	1887.0017	1886.811	-0.1907	-101	763	779	FGLIHQARISASVNAMR						Oxidation (M)[16]					Mascot
	2083.0125	2082.9944	-0.0181	-9	1360	1379	AAEEAASTLAGSIHPEQC IK						Carbamidomethyl (C)[18]					Mascot
	2225.207	2225.1382	-0.0688	-31	379	399	SQVVREACITLGHLSLL GNK											Mascot
	2284.0769	2284.1936	0.1167	51	1	19	MEPNMEYCLTQVLQKDV AR						Oxidation (M)[1]					Mascot
39	PREDICTED: eukaryotic translation initiation factor 2-alpha kinase 4, partial [Danio rerio]						gi 326681092	170018.8	6.07	12	38	0	3	0				

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	856.4886	856.5385	0.0499	58	537	544	IQVNPASK					Mascot
	874.4992	874.5159	0.0167	19	551	558	GEVTLLSR					Mascot
	1115.6782	1115.7063	0.0281	25	549	558	IKGEVTLLSR	16	0			Mascot
	1115.6782	1115.7063	0.0281	25	549	558	IKGEVTLLSR					Mascot
	1214.674	1214.6653	-0.0087	-7	17	26	QEKLNVLELNK					Mascot
	1259.6014	1259.5946	-0.0068	-5	370	379	EDIFEQSHVR					Mascot
	1648.767	1648.8413	0.0743	45	1133	1147	LTHASNILCDAMSEK			Oxidation (M)[12]		Mascot
	1689.7935	1689.9437	0.1502	89	1133	1147	LTHASNILCDAMSEK			Carbamidomethyl (C)[9]		Mascot
	1699.8901	1699.9528	0.0627	37	413	427	EYPLTVPDTLPADLR					Mascot
	1699.8901	1699.9528	0.0627	37	413	427	EYPLTVPDTLPADLR	3	0			Mascot
	1705.7883	1706.0416	0.2533	148	1133	1147	LTHASNILCDAMSEK			Carbamidomethyl (C)[9], Oxidation (M)[12]		Mascot
	1711.8907	1711.912	0.0213	12	339	354	HLSASCVLLDARGDVR	3	0			Mascot
	1711.8907	1711.912	0.0213	12	339	354	HLSASCVLLDARGDVR					Mascot
	1721.8552	1721.9209	0.0657	38	136	152	QTSVSSGSPVDSSEVKK					Mascot
	1825.0065	1824.9142	-0.0923	-51	1275	1294	GPTVSGVVPSAVGASLA LDK					Mascot
	1843.9219	1843.9298	0.0079	4	88	102	LEEQMONEILAEIQR					Mascot
	1859.9167	1859.9304	0.0137	7	88	102	LEEQMONEILAEIQR			Oxidation (M)[5]		Mascot
	2326.2415	2326.2205	-0.021	-9	319	338	HTQQLLSALHYLHTNSVV HK					Mascot

40 Golgb1 protein [Danio rerio] gi|141796874 53722.5 5.1 11 38 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	874.4265	874.5159	0.0894	102	191	198	DQAVNEAK					Mascot

918.4713	918.5496	0.0783	85	287	293	QELEMLR						Mascot
926.4689	926.5511	0.0822	89	118	125	ETQAVHNK						Mascot
1023.5152	1023.5204	0.0052	5	439	446	VAFCSRQR				Carbamidomethyl (C)[4]		Mascot
1023.5152	1023.5204	0.0052	5	439	446	VAFCSRQR				Carbamidomethyl (C)[4]		Mascot
1214.6639	1214.6653	0.0014	1	129	138	ELRWEGGVLR						Mascot
1259.6589	1259.5946	-0.0643	-51	374	383	LDEESLR						Mascot
1463.7094	1463.91	0.2006	137	239	249	ERMLEQMQR				Oxidation (M)[3]		Mascot
1463.7094	1463.91	0.2006	137	239	249	ERMLEQMQR				Oxidation (M)[3]		Mascot
1555.8439	1555.7659	-0.078	-50	382	394	LRIEEQLIAEDR						Mascot
1622.8608	1622.8712	0.0104	6	26	39	DSQHKQILAAQVER						Mascot
1622.8608	1622.8712	0.0104	6	26	39	DSQHKQILAAQVER						Mascot
1647.8081	1647.9065	0.0984	60	154	166	DLLMMEQLLEER						Mascot
2083.0566	2082.9944	-0.0622	-30	48	65	EDLVNHIQAFKDIQGR						Mascot

41 Rbm34 protein [Danio rerio] gi|159155220 45856.6 10.19 10 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
821.4767	821.4716	-0.0051	-6	163	169	DLLSVFK					Mascot
821.4767	821.4716	-0.0051	-6	163	169	DLLSVFK					Mascot
842.473	842.5182	0.0452	54	74	80	DPVQKQK					Mascot
1055.5592	1055.5625	0.0033	3	238	246	VDRVSQHSK					Mascot
1121.5447	1121.6111	0.0664	59	355	363	QEFRNNTGR					Mascot
1149.6375	1149.6906	0.0531	46	171	180	SGVIESVRFR					Mascot
1379.7351	1379.7687	0.0336	24	149	161	TVFVGNLPSSCKK					Mascot
1647.7456	1647.9065	0.1609	98	97	112	ESALQNADEEGQASAK					Mascot
1666.9374	1666.894	-0.0434	-26	56	71	IEPKVTPAVSDNAVVK					Mascot
1711.7882	1711.912	0.1238	72	119	133	ADGGEEEEERPTKHK					Mascot
1711.7882	1711.912	0.1238	72	119	133	ADGGEEEEERPTKHK					Mascot
2283.1501	2283.198	0.0479	21	205	224	QNINAYIVFKEEESATDAL K					Mascot

42 PREDICTED: G protein-activated inward rectifier potassium channel 4-like [Danio rerio] gi|292623912 48753.5 5.51 9 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
821.4628	821.4716	0.0088	11	52	57	QRYVQK					Mascot

		1379.6848	1379.7687	0.0839	61	230	240	ICARELYGNQR		Carbamidomethyl (C)[2]	Mascot		
		1477.738	1477.9259	0.1879	127	1389	1401	ELLTETSVQQDSK			Mascot		
		1638.7792	1638.8628	0.0836	51	404	417	VTDSDYEA VCKVPR		Carbamidomethyl (C)[10]	Mascot		
		1647.7656	1647.9065	0.1409	86	522	535	SCEYHPLQSQRGSR			Mascot		
		1652.8602	1652.8809	0.0207	13	96	109	QQETGHIQEILQTK			Mascot		
		1666.8871	1666.894	0.0069	4	785	799	HNQDLLTALESARAK			Mascot		
		1711.8254	1711.912	0.0866	51	1600	1614	GMCHILTQH LGD TTK		Carbamidomethyl (C)[3]	Mascot		
		1711.8254	1711.912	0.0866	51	1600	1614	GMCHILTQH LGD TTK		Carbamidomethyl (C)[3]	Mascot		
		1936.9697	1936.937	-0.0327	-17	1	16	MFNGYRTISQHLNDLK			Mascot		
		1970.9712	1970.8909	-0.0803	-41	1234	1251	TAQSLVSLQSCDQH QGL R			Mascot		
		2326.1707	2326.2205	0.0498	21	1252	1273	GCQDAVAEGPGLAEV KQ LVEQK		Carbamidomethyl (C)[2]	Mascot		
		2938.3635	2938.5325	0.169	58	1622	1646	SNDIDYYMGQSFRDQLS QSI SLAQR		Oxidation (M)[8]	Mascot		
45	PREDICTED: ninein [Danio rerio]					gi 326673087	160970.7	4.92	15	37	0		
	Peptide Information												
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
		821.3709	821.4716	0.1007	123	612	618	AMVDEEK					Mascot
		821.3709	821.4716	0.1007	123	612	618	AMVDEEK	12	0			Mascot
		888.5148	888.538	0.0232	26	1077	1083	TEKELLR					Mascot
		888.5148	888.538	0.0232	26	1077	1083	TEKELLR					Mascot
		1214.7103	1214.6653	-0.045	-37	1286	1295	EVEITLRNLK					Mascot
		1226.6198	1226.71	0.0902	74	366	375	HLLECVDLER					Mascot
		1259.6128	1259.5946	-0.0182	-14	840	848	LRQQWDEER					Mascot
		1382.7208	1382.7999	0.0791	57	366	376	HLLECVDLERR					Mascot
		1463.6907	1463.91	0.2193	150	964	975	TDIAEQRSEVCR			Carbamidomethyl (C)[11]		Mascot
		1463.6907	1463.91	0.2193	150	964	975	TDIAEQRSEVCR			Carbamidomethyl (C)[11]		Mascot
		1555.6805	1555.7659	0.0854	55	534	545	SYEEQCRELQDR					Mascot
		1666.8065	1666.894	0.0875	52	1182	1195	RQMNELSSELQTSK			Oxidation (M)[3]		Mascot
		1682.8279	1682.8958	0.0679	40	895	908	QHKEALQACLEQER					Mascot
		1695.8846	1695.9147	0.0301	18	362	375	AEIRHLLCVDLER					Mascot
		1859.947	1859.9304	-0.0166	-9	1048	1064	HALQEVIRQHDGSANGK					Mascot
		1936.9585	1936.937	-0.0215	-11	1158	1174	VWAELSGLMEAEH HSLK					Mascot
		2142.0461	2142.2322	0.1861	87	289	308	VFSDLDDGSGHAPVETLL NR					Mascot
		2284.1616	2284.1936	0.032	14	849	867	ASMENKHHALLLQHLQE ER					Mascot
46	Synembryn-like [Danio rerio]					gi 94574123	59482.8	5.37	8	36	0		

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	842.5709	842.5182	-0.0527	-63	18	24 VEKLLLK					Mascot
	1045.6769	1045.5737	-0.1032	-99	171	179 LLFLLSALR					Mascot
	1115.6605	1115.7063	0.0458	41	46	55 LCQGLLTVLR		13	0		Mascot
	1115.6605	1115.7063	0.0458	41	46	55 LCQGLLTVLR					Mascot
	1214.7037	1214.6653	-0.0384	-32	503	512 ELIRPMGVRK				Oxidation (M)[6]	Mascot
	1382.7136	1382.7999	0.0863	62	399	410 QGAAEFLFVLCK				Carbamidomethyl (C)[11]	Mascot
	1695.8809	1695.9147	0.0338	20	315	328 NMDTVQILLNFMIIK				Oxidation (M)[2]	Mascot
	1711.8757	1711.912	0.0363	21	315	328 NMDTVQILLNFMIIK				Oxidation (M)[2,12]	Mascot
	1711.8757	1711.912	0.0363	21	315	328 NMDTVQILLNFMIIK				Oxidation (M)[2,12]	Mascot
	1954.9539	1954.8923	-0.0616	-32	486	501 EYEAQRLVSMIDELSR				Oxidation (M)[10]	Mascot
	1954.9539	1954.8923	-0.0616	-32	486	501 EYEAQRLVSMIDELSR				Oxidation (M)[10]	Mascot
	2283.0193	2283.198	0.1787	78	98	118 ICVAGHEGEPLLEEAQSAE EER					Mascot
47	Zgc:172007 protein [Danio rerio]				gj 161611828		57368.6	8.44	12	36	0
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	856.4497	856.5385	0.0888	104	215	220 VFFCKR				Carbamidomethyl (C)[4]	Mascot
	1023.5179	1023.5204	0.0025	2	221	229 CDISFPTLK					Mascot
	1023.5179	1023.5204	0.0025	2	221	229 CDISFPTLK					Mascot
	1055.5012	1055.5625	0.0613	58	186	194 TTFPCKQCK					Mascot
	1115.6418	1115.7063	0.0645	58	35	44 EVASLEAKLR		14	0		Mascot
	1115.6418	1115.7063	0.0645	58	35	44 EVASLEAKLR					Mascot
	1121.4536	1121.6111	0.1575	140	354	362 MHQCLQCDK				Oxidation (M)[1]	Mascot
	1177.6398	1177.6561	0.0163	14	182	191 QKPKTTFPCK					Mascot
	1215.5687	1215.616	0.0473	39	311	320 DGSHFKTHMR					Mascot
	1379.5718	1379.7687	0.1969	143	269	279 EKPFFHCSECDK				Carbamidomethyl (C)[6]	Mascot
	1699.7714	1699.9528	0.1814	107	349	362 IHSEKMHQCLQCDK					Mascot
	1699.7714	1699.9528	0.1814	107	349	362 IHSEKMHQCLQCDK					Mascot
	1737.8137	1737.9172	0.1035	60	170	185 DSSDEETASTSKQKPK					Mascot
	1824.8995	1824.9142	0.0147	8	293	307 IHTGERPYKCPHCVK				Carbamidomethyl (C)[10]	Mascot
	1936.7137	1936.937	0.2233	115	154	169 DDHCDDDDFIPSDENK				Carbamidomethyl (C)[4]	Mascot
48	hypothetical protein LOC557841 [Danio rerio]				gj 165972361		51603.4	6.11	7	36	0 28 54.634

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
870.4427	870.5502	0.1075	124	114	120 DSEKHVR				Mascot
1023.4927	1023.5204	0.0277	27	67	74 NLCELFER				Mascot
1023.4927	1023.5204	0.0277	27	67	74 NLCELFER				Mascot
1097.5837	1097.6796	0.0959	87	57	66 DDPPSNLVLK				Mascot
1097.5837	1097.6796	0.0959	87	57	66 DDPPSNLVLK	28	54.634		Mascot
1395.6838	1395.7643	0.0805	58	33	42 ECIQQFWRTK			Carbamidomethyl (C)[2]	Mascot
1555.6953	1555.7659	0.0706	45	8	19 EISCPICCEIFK			Carbamidomethyl (C)[4,7,8]	Mascot
1695.7742	1695.9147	0.1405	83	185	198 DEEEIAMTSLREEK			Oxidation (M)[7]	Mascot
1737.8485	1737.9172	0.0687	40	99	113 LFCLEDKQPACLVCR				Mascot

49

SPEG complex locus [Danio rerio]

gi|123295462

333650.8

8.15

1

30

72.11

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
1097.6313	1097.6796	0.0483	44	2193	2202 INDSPVLALR	33	84.908		2 Mascot

50

PREDICTED: hypothetical protein LOC568908 [Danio rerio]

gi|326666001

246789.2

9.26

1

30

70.844

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
1097.679	1097.6796	0.0006	1	720	729 RLSTPAIALR	30	70.844		4 Mascot

Gel Idx/Pos	194/H21	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Krt4 protein [Danio rerio]	gi 161612220	53979.9	5.34	22	897	100	745	100

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
827.4297	827.4365	0.0068	8	125	131 FASFIDK				Mascot
915.4893	915.4971	0.0078	9	328	335 AEIAELNR				Mascot

			Seq.		Seq.		Score						
	915.4893	915.4971	0.0078	9	329	336	AEIAELNR						Mascot
	950.4941	950.501	0.0069	7	250	257	AVYEAE LR						Mascot
	983.4468	983.4488	0.002	2	300	307	AEAESWYK						Mascot
	987.5105	987.5178	0.0073	7	379	386	ELEEALQR						Mascot
	1079.5116	1079.5217	0.0101	9	289	297	AQYEDIANR						Mascot
	1226.5801	1226.5912	0.0111	9	298	307	SRAEAESWYK						Mascot
	1248.6833	1248.6927	0.0094	8	211	221	ASVENEFVLLK						Mascot
	1256.6957	1256.7084	0.0127	10	377	386	IRELEEALQR	47	99.402				Mascot
	1256.6957	1256.7084	0.0127	10	377	386	IRELEEALQR						Mascot
	1277.71	1277.7234	0.0134	10	406	416	LALDIEIATYR	73	99.999				Mascot
	1277.71	1277.7234	0.0134	10	406	416	LALDIEIATYR						Mascot
	1361.673	1361.6848	0.0118	9	277	288	NLDMSIVA E VR						Mascot
	1362.7013	1362.7101	0.0088	6	147	157	WSLLQEQT T TR						Mascot
	1362.7013	1362.7101	0.0088	6	147	157	WSLLQEQT T TR	71	99.998				Mascot
	1377.6678	1377.684	0.0162	12	277	288	NLDMSIVA E VR				Oxidation (M)[4]		Mascot
	1432.743	1432.7574	0.0144	10	238	249	VDALQDEINFLR						Mascot
	1432.743	1432.7574	0.0144	10	238	249	VDALQDEINFLR	118	100				Mascot
	1443.7074	1443.7195	0.0121	8	353	365	ANLEAQIAEAEER						Mascot
	1443.7074	1443.7195	0.0121	8	353	365	ANLEAQIAEAEER	93	100				Mascot
	1695.8258	1695.8291	0.0033	2	223	237	DVDAAYM NKVELEAK						Mascot
	1743.837	1743.854	0.017	10	158	172	SNIDAMFEAYISNLR	130	100				Mascot
	1743.837	1743.854	0.017	10	158	172	SNIDAMFEAYISNLR						Mascot
	1759.8319	1759.8502	0.0183	10	158	172	SNIDAMFEAYISNLR				Oxidation (M)[6]		Mascot
	1759.8319	1759.8502	0.0183	10	158	172	SNIDAMFEAYISNLR	68	99.996	Oxidation (M)[6]			Mascot
	1846.7913	1846.8077	0.0164	9	310	325	FEEMQSTAGQYGDDL R						Mascot
	1862.7861	1862.8049	0.0188	10	310	325	FEEMQSTAGQYGDDL R				Oxidation (M)[4]		Mascot
	1899.9381	1899.957	0.0189	10	158	173	SNIDAMFEAYISNLR R						Mascot
	2041.0559	2041.0757	0.0198	10	353	371	ANLEAQIAEAEER GELAV K	131	100				Mascot
	2041.0559	2041.0757	0.0198	10	353	371	ANLEAQIAEAEER GELAV K						Mascot
	2102.1128	2101.9373	-0.1755	-83	232	249	VELEAKVDALQDEINFLR						Mascot
	2102.9448	2102.957	0.0122	6	308	325	QKFEEMQSTAGQYGDDL R						Mascot
	2118.9397	2118.9619	0.0222	10	308	325	QKFEEMQSTAGQYGDDL R				Oxidation (M)[6]		Mascot
	2118.9397	2118.9619	0.0222	10	308	325	QKFEEMQSTAGQYGDDL R	84	100	Oxidation (M)[6]			Mascot
Krt5 protein [Danio rerio]				gi 39645432		57792.3	5.27	18	509	100	419	100	

Peptide Information																		
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type						
4	keratin 5 [Danio rerio]	827.4297	827.4365	0.0068	8	155	161 FASFIDK	73	99.999			Mascot						
		983.4468	983.4488	0.002	2	329	336 AEAESWYK					Mascot						
		1006.5203	1006.527	0.0067	7	279	286 AIFEEELR					Mascot						
		1079.5116	1079.5217	0.0101	9	318	326 AQYEDIANR					Mascot						
		1200.6583	1200.6678	0.0095	8	406	415 IKDLEDALQR					Mascot						
		1226.5801	1226.5912	0.0111	9	327	336 SRAEAESWYK					Mascot						
		1248.6252	1248.6927	0.0675	54	203	213 QLDGLGNEKMK					Oxidation (M)[10]	Mascot					
		1277.71	1277.7234	0.0134	10	435	445 LALDIEIATYR					Mascot						
		1277.71	1277.7234	0.0134	10	435	445 LALDIEIATYR					Mascot						
		1345.678	1345.6891	0.0111	8	306	317 NLDMDAIVAEVR					Mascot						
		1361.673	1361.6848	0.0118	9	306	317 NLDMDAIVAEVR					Oxidation (M)[4]	Mascot					
		1362.7013	1362.7101	0.0088	6	176	186 WSLLEQQTTR					Mascot						
		1362.7013	1362.7101	0.0088	6	176	186 WSLLEQQTTR					71	99.998	Mascot				
		1385.6365	1385.7264	0.0899	65	337	348 QKFEEMQSSAGK					Oxidation (M)[6]	Mascot					
		1443.7074	1443.7195	0.0121	8	382	394 ANLEAQIAEAEER					Mascot						
		1443.7074	1443.7195	0.0121	8	382	394 ANLEAQIAEAEER					93	100	Mascot				
		1448.738	1448.7517	0.0137	9	267	278 VDSLQDEINFLR					Mascot						
		1476.8057	1476.7306	-0.0751	-51	164	175 FLEQQNKVLETK					Mascot						
		1695.8258	1695.8291	0.0033	2	252	266 DVDAAYMNKVELEAK					Mascot						
		1727.8422	1727.8553	0.0131	8	187	201 SNIDAMFEAYIANLR					Mascot						
		1743.837	1743.854	0.017	10	187	201 SNIDAMFEAYIANLR					51	99.766	Oxidation (M)[6]	Mascot			
		1743.837	1743.854	0.017	10	187	201 SNIDAMFEAYIANLR					Oxidation (M)[6]	Mascot					
		1899.9381	1899.957	0.0189	10	187	202 SNIDAMFEAYIANLRR					Oxidation (M)[6]	Mascot					
		2041.0559	2041.0757	0.0198	10	382	400 ANLEAQIAEAEERGELAV K					131	100	Mascot				
		2041.0559	2041.0757	0.0198	10	382	400 ANLEAQIAEAEERGELAV K					Mascot						
		gi 18858425 58550.6 5.34 17 500 100 419 100																

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank Result Type
827.4297	827.4365	0.0068	8	165	171 FASFIDK					Mascot
983.4468	983.4488	0.002	2	339	346 AEAESWYK					Mascot
1006.5203	1006.527	0.0067	7	289	296 AIFEEELR					Mascot

1079.5116	1079.5217	0.0101	9	328	336	QYQYEDIANR						Mascot
1226.5801	1226.5912	0.0111	9	337	346	SRAEAESWYK						Mascot
1248.6252	1248.6927	0.0675	54	213	223	QLDGLGNEKMK					Oxidation (M)[10]	Mascot
1277.71	1277.7234	0.0134	10	445	455	LALDIEIATYR	73	99.999				Mascot
1277.71	1277.7234	0.0134	10	445	455	LALDIEIATYR						Mascot
1345.678	1345.6891	0.0111	8	316	327	NLDMDAIVAEVR						Mascot
1361.673	1361.6848	0.0118	9	316	327	NLDMDAIVAEVR					Oxidation (M)[4]	Mascot
1362.7013	1362.7101	0.0088	6	186	196	WSLLQEQTTR						Mascot
1362.7013	1362.7101	0.0088	6	186	196	WSLLQEQTTR	71	99.998				Mascot
1385.6365	1385.7264	0.0899	65	347	358	QKFEEMQSSAGK					Oxidation (M)[6]	Mascot
1443.7074	1443.7195	0.0121	8	392	404	ANLEAQIAEAEER						Mascot
1443.7074	1443.7195	0.0121	8	392	404	ANLEAQIAEAEER	93	100				Mascot
1448.738	1448.7517	0.0137	9	277	288	VDSLQDEINFLR						Mascot
1476.8057	1476.7306	-0.0751	-51	174	185	FLEQQNKVLETK						Mascot
1695.8258	1695.8291	0.0033	2	262	276	DVDAAYMKNKVELEAK						Mascot
1727.8422	1727.8553	0.0131	8	197	211	SNIDAMFEAYIANLR						Mascot
1743.837	1743.854	0.017	10	197	211	SNIDAMFEAYIANLR	51	99.766			Oxidation (M)[6]	Mascot
1743.837	1743.854	0.017	10	197	211	SNIDAMFEAYIANLR					Oxidation (M)[6]	Mascot
1899.9381	1899.957	0.0189	10	197	212	SNIDAMFEAYIANLRR					Oxidation (M)[6]	Mascot
2041.0559	2041.0757	0.0198	10	392	410	ANLEAQIAEAEERGELAV K	131	100				Mascot
2041.0559	2041.0757	0.0198	10	392	410	ANLEAQIAEAEERGELAV K						Mascot

	1361.673	1361.6848	0.0118	9	256	267	NLDMDAIVAEVR					Oxidation (M)[4]	Mascot
	1381.6667	1381.6779	0.0112	8	190	200	TECENEFLIK					Carbamidomethyl (C)[3]	Mascot
	1449.7584	1449.7637	0.0053	4	217	228	LESLTDEINFLR						Mascot
	1486.7133	1486.728	0.0147	10	332	344	ANLENQIAEAEER						Mascot
	1727.8422	1727.8553	0.0131	8	137	151	SNIDAMFEAYIANLR						Mascot
	1743.837	1743.854	0.017	10	137	151	SNIDAMFEAYIANLR	51	99.766			Oxidation (M)[6]	Mascot
	1743.837	1743.854	0.017	10	137	151	SNIDAMFEAYIANLR					Oxidation (M)[6]	Mascot
	1899.9381	1899.957	0.0189	10	137	152	SNIDAMFEAYIANLRR					Oxidation (M)[6]	Mascot
	2018.1644	2018.1835	0.0191	9	74	91	SLAPLNLEIDPNIQIVR						Mascot
	2119.1282	2118.9619	-0.1663	-78	211	228	VELEAKLESLTDEINFLR						Mascot
	2119.1282	2118.9619	-0.1663	-78	211	228	VELEAKLESLTDEINFLR	3	0				Mascot
	2146.0193	2146.041	0.0217	10	332	350	ANLENQIAEAEERGEMAVR					Oxidation (M)[16]	Mascot
6	keratin, type II cytoskeletal 8 [Danio rerio]				gi 41056085		57723.4	5.15	17	204	100	124	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
827.4297	827.4365	0.0068	8	126	132	FASFDK						Mascot
1063.5419	1063.5519	0.01	9	250	257	QIFEEEIR						Mascot
1079.5116	1079.5217	0.0101	9	289	297	AQYEDIANR						Mascot
1200.6583	1200.6678	0.0095	8	377	386	IKDLEDALQR						Mascot
1248.6252	1248.6927	0.0675	54	174	184	QLDSLGNCKMK						Mascot
1270.5885	1270.7366	0.1481	117	298	307	SRAEAEWYK						Mascot
1277.71	1277.7234	0.0134	10	406	416	LALDIEIATYR	73	99.999				Mascot
1277.71	1277.7234	0.0134	10	406	416	LALDIEIATYR						Mascot
1317.691	1317.7031	0.0121	9	147	157	WSLLQNTATR						Mascot
1345.678	1345.6891	0.0111	8	277	288	NLDMDAIVAEVR						Mascot
1361.673	1361.6848	0.0118	9	277	288	NLDMDAIVAEVR			Oxidation (M)[4]			Mascot
1381.6667	1381.6779	0.0112	8	211	221	TECENEFLIK			Carbamidomethyl (C)[3]			Mascot
1449.7584	1449.7637	0.0053	4	238	249	LESLTDEINFLR						Mascot
1486.7133	1486.728	0.0147	10	353	365	ANLENQIAEAEER						Mascot
1727.8422	1727.8553	0.0131	8	158	172	SNIDAMFEAYIANLR						Mascot
1743.837	1743.854	0.017	10	158	172	SNIDAMFEAYIANLR	51	99.766	Oxidation (M)[6]			Mascot
1743.837	1743.854	0.017	10	158	172	SNIDAMFEAYIANLR			Oxidation (M)[6]			Mascot
1899.9381	1899.957	0.0189	10	158	173	SNIDAMFEAYIANLRR			Oxidation (M)[6]			Mascot
2018.1644	2018.1835	0.0191	9	95	112	SLAPLNLEIDPNIQIVR						Mascot
2119.1282	2118.9619	-0.1663	-78	232	249	VELEAKLESLTDEINFLR						Mascot

	2119.1282	2118.9619	-0.1663	-78	232	249	VELEAKLESLTDEINFLR	3	0				Mascot
	2146.0193	2146.041	0.0217	10	353	371	ANLENQIAEAEERGEMA VR			Oxidation (M)[16]			Mascot
7	Keratin 8 [Danio rerio]				gi 159155987		57624.4	5.1	16	197	100	124	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
827.4297	827.4365	0.0068	8	126	132	FASFDK					Mascot
1063.5419	1063.5519	0.01	9	250	257	QIFEEEIR					Mascot
1079.5116	1079.5217	0.0101	9	289	297	AQYEDIANR					Mascot
1200.6583	1200.6678	0.0095	8	377	386	IKDLEDALQR					Mascot
1248.6252	1248.6927	0.0675	54	174	184	QLDSLGNCKMK					Mascot
1270.5885	1270.7366	0.1481	117	298	307	SRAEAEMWYK					Mascot
1277.71	1277.7234	0.0134	10	406	416	LALDIEIATYR	73	99.999			Mascot
1277.71	1277.7234	0.0134	10	406	416	LALDIEIATYR					Mascot
1317.691	1317.7031	0.0121	9	147	157	WSLLQNQTATR					Mascot
1381.6667	1381.6779	0.0112	8	211	221	TECENEFLIK			Carbamidomethyl (C)[3]		Mascot
1449.7584	1449.7637	0.0053	4	238	249	LESLTDEINFLR					Mascot
1486.7133	1486.728	0.0147	10	353	365	ANLENQIAEAEER					Mascot
1727.8422	1727.8553	0.0131	8	158	172	SNIDAMFEAYIANLR					Mascot
1743.837	1743.854	0.017	10	158	172	SNIDAMFEAYIANLR	51	99.766	Oxidation (M)[6]		Mascot
1743.837	1743.854	0.017	10	158	172	SNIDAMFEAYIANLR			Oxidation (M)[6]		Mascot
1899.9381	1899.957	0.0189	10	158	173	SNIDAMFEAYIANLRR			Oxidation (M)[6]		Mascot
2018.1644	2018.1835	0.0191	9	95	112	SLLAPLNLEIDPNIQIVR					Mascot
2119.1282	2118.9619	-0.1663	-78	232	249	VELEAKLESLTDEINFLR					Mascot
2119.1282	2118.9619	-0.1663	-78	232	249	VELEAKLESLTDEINFLR	3	0			Mascot
2146.0193	2146.041	0.0217	10	353	371	ANLENQIAEAEERGEMA VR			Oxidation (M)[16]		Mascot

8	glial fibrillary acidic protein [Danio rerio]				gi 20977259		42127.4	5.03	7	128	100	108	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4265	850.5497	0.1232	145	351	357	ESTTERK					Mascot
1277.71	1277.7234	0.0134	10	285	295	LALDIEIATYR	73	99.999			Mascot
1277.71	1277.7234	0.0134	10	285	295	LALDIEIATYR					Mascot
1308.6543	1308.6664	0.0121	9	187	198	SKFADLTDAANR					Mascot

	1377.6857	1377.684	-0.0017	-1	345	356	DGEIIKESTTER									Mascot
	1387.7726	1387.6953	-0.0773	-56	24	35	MLVAELNQLRGK						Oxidation (M)[1]			Mascot
	1432.7682	1432.7574	-0.0108	-8	118	129	IEALQDEINFLK									Mascot
	1432.7682	1432.7574	-0.0108	-8	118	129	IEALQDEINFLK	34	89.818							Mascot
	1688.816	1688.9028	0.0868	51	319	333	DTSMDTKLTPEAHVK						Oxidation (M)[4]			Mascot
9	class III intermediate filament protein [Danio rerio]				gi 38374177		51255	5.28	7	127	100	108	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4265	850.5497	0.1232	145	435	441	ESTTERK					Mascot
1277.71	1277.7234	0.0134	10	369	379	LALDIEIATYR	73	99.999			Mascot
1277.71	1277.7234	0.0134	10	369	379	LALDIEIATYR					Mascot
1308.6543	1308.6664	0.0121	9	271	282	SKFADLTDAANR					Mascot
1377.6857	1377.684	-0.0017	-1	429	440	DGEIIKESTTER					Mascot
1387.7726	1387.6953	-0.0773	-56	108	119	MLVAELNQLRGK			Oxidation (M)[1]		Mascot
1432.7682	1432.7574	-0.0108	-8	202	213	IEALQDEINFLK					Mascot
1432.7682	1432.7574	-0.0108	-8	202	213	IEALQDEINFLK	34	89.818			Mascot
1688.8749	1688.9028	0.0279	17	299	312	RQIQGLTCDLESRL			Carbamidomethyl (C)[8]		Mascot

10	Gfap protein [Danio rerio]				gi 124504410		51101	5.34	7	126	100	108	100			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4265	850.5497	0.1232	145	434	440	ESTTERK					Mascot
1277.71	1277.7234	0.0134	10	368	378	LALDIEIATYR	73	99.999			Mascot
1277.71	1277.7234	0.0134	10	368	378	LALDIEIATYR					Mascot
1308.6543	1308.6664	0.0121	9	270	281	SKFADLTDAANR					Mascot
1377.6857	1377.684	-0.0017	-1	428	439	DGEIIKESTTER					Mascot
1387.7726	1387.6953	-0.0773	-56	107	118	MLVAELNQLRGK			Oxidation (M)[1]		Mascot
1432.7682	1432.7574	-0.0108	-8	201	212	IEALQDEINFLK					Mascot
1432.7682	1432.7574	-0.0108	-8	201	212	IEALQDEINFLK	34	89.818			Mascot
1688.8749	1688.9028	0.0279	17	298	311	RQIQGLTCDLESRL			Carbamidomethyl (C)[8]		Mascot

11	Zgc:158846 [Danio rerio]				gi 158253572		55223	5.44	6	86	99.99	73	99.999			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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		827.4297	827.4365	0.0068	8	87	93	FASFDK									Mascot
		996.5472	996.6054	0.0582	58	421	429	DIHNTGLVK									Mascot
		1124.5793	1124.6771	0.0978	87	437	448	GGSSSSLTTVTK									Mascot
		1277.71	1277.7234	0.0134	10	367	377	LALDIEIATYR	73	99.999							Mascot
		1277.71	1277.7234	0.0134	10	367	377	LALDIEIATYR									Mascot
		1394.7162	1394.7837	0.0675	48	172	183	SDSDNEFVLLKK									Mascot
		2434.123	2434.1011	-0.0219	-9	261	280	AEAESWYQQKYEEMQLT ATK									Mascot
12	glial fibrillary acidic protein [Danio rerio]						gi 239596173		19203.6	4.89	3	85	99.986	73	99.999		
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.				Ion Score	C. I.	% Modification			Rank	Result Type
		1277.71	1277.7234	0.0134	10	110	120	LALDIEIATYR			73	99.999					Mascot
		1277.71	1277.7234	0.0134	10	110	120	LALDIEIATYR									Mascot
		1308.6543	1308.6664	0.0121	9	12	23	SKFADLTDAANR									Mascot
		1688.8749	1688.9028	0.0279	17	40	53	RQIQGLTCDLESLR					Carbamidomethyl (C)[8]				Mascot
13	novel protein similar to vertebrate keratin family [Danio rerio]						gi 157885973		46874.6	5.23	2	79	99.943	73	99.999		
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.				Ion Score	C. I.	% Modification			Rank	Result Type
		1256.5793	1256.7084	0.1291	103	286	295	EEAESWYKSK									Mascot
		1256.5793	1256.7084	0.1291	103	286	295	EEAESWYKSK									Mascot
		1277.71	1277.7234	0.0134	10	392	402	LALDIEIATYR			73	99.999					Mascot
		1277.71	1277.7234	0.0134	10	392	402	LALDIEIATYR									Mascot
14	keratin type II, tail domain [Danio rerio]						gi 4107170		10583.9	8.29	1	78	99.931	73	99.999		
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.				Ion Score	C. I.	% Modification			Rank	Result Type
		1277.71	1277.7234	0.0134	10	4	14	LALDIEIATYR			73	99.999					Mascot
		1277.71	1277.7234	0.0134	10	4	14	LALDIEIATYR									Mascot
15	PREDICTED: keratin, type II cytoskeletal 8 [Danio rerio]						gi 125849603		49959.2	5.46	2	73	99.797	73	99.999		
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End Sequence				Ion	C. I.	% Modification			Rank	Result Type

												Seq.		Seq.		Score					
	1256.5793	1256.7084	0.1291	103	264	273	EEAESWYKSK													Mascot	
	1256.5793	1256.7084	0.1291	103	264	273	EEAESWYKSK													Mascot	
	1277.71	1277.7234	0.0134	10	370	380	LALDIEIATYR		73	99.999										Mascot	
	1277.71	1277.7234	0.0134	10	370	380	LALDIEIATYR													Mascot	
16	tropomyosin alpha-3 chain isoform 2 [Danio rerio]					gi 41393141		28826.9	4.76	9	46	0									
Peptide Information																					
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank	Result	Type						
	950.4247	950.501	0.0763	80	156	162	QMEEELR					Oxidation (M)[2]				Mascot					
	983.5156	983.4488	-0.0668	-68	147	155	AELAESHVK									Mascot					
	1248.6365	1248.6927	0.0562	45	1	12	MAGSNSIDAVKR									Mascot					
	1308.6178	1308.6664	0.0486	37	198	208	EAETRAEFAER									Mascot					
	1443.8053	1443.7195	-0.0858	-59	70	82	LATALQKLEEA EK									Mascot					
	1443.8053	1443.7195	-0.0858	-59	70	82	LATALQKLEEA EK									Mascot					
	1476.6813	1476.7306	0.0493	33	77	89	LEEA EKA ADESER									Mascot					
	1688.849	1688.9028	0.0538	32	234	248	IHATLDQTLSELNSF									Mascot					
	1727.8922	1727.8553	-0.0369	-21	56	69	IQLVEEELDRAQER									Mascot					
	1914.9225	1914.9497	0.0272	14	147	162	AELAESHVKQMEEELR					Oxidation (M)[11]				Mascot					
17	PREDICTED: hypothetical protein LOC565819 [Danio rerio]					gi 189531659		67893.7	9.41	12	46	0									
Peptide Information																					
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank	Result	Type						
	1006.4985	1006.527	0.0285	28	134	141	ERMSQVEK									Mascot					
	1079.5731	1079.5217	-0.0514	-48	38	46	TLEAYQNLK									Mascot					
	1226.5648	1226.5912	0.0264	22	487	496	YNTITDSEQR									Mascot					
	1256.6732	1256.7084	0.0352	28	231	242	ADLSPVLDEVAK									Mascot					
	1256.6732	1256.7084	0.0352	28	231	242	ADLSPVLDEVAK									Mascot					
	1277.6055	1277.7234	0.1179	92	6	16	QEHRYGLSCGK									Mascot					
	1277.6055	1277.7234	0.1179	92	6	16	QEHRYGLSCGK									Mascot					
	1345.6707	1345.6891	0.0184	14	108	119	DRLEGQGS IQDK									Mascot					
	1394.6733	1394.7837	0.1104	79	136	146	MSQVEKDIWSR					Oxidation (M)[1]				Mascot					
	1448.7592	1448.7517	-0.0075	-5	283	296	LQPLSSSSSSSQLK									Mascot					
	1688.9303	1688.9028	-0.0275	-16	187	201	NGGPSLVTHRPLRER									Mascot					

	1846.9215	1846.8077	-0.1138	-62	307	324	TSGDSPSQLSPVKTPSM K										Mascot
	1862.9164	1862.8049	-0.1115	-60	307	324	TSGDSPSQLSPVKTPSM K					Oxidation (M)[17]					Mascot
	2041.0964	2041.0757	-0.0207	-10	576	593	LSHIKGLILDYDQTQLPS										Mascot
	2041.0964	2041.0757	-0.0207	-10	576	593	LSHIKGLILDYDQTQLPS										Mascot
	2119.0601	2118.9619	-0.0982	-46	320	338	TPSMKRPVPSDHPESQT PK										Mascot
	2119.0601	2118.9619	-0.0982	-46	320	338	TPSMKRPVPSDHPESQT PK										Mascot
18	WD repeat-containing protein 74 [Danio rerio]				gi 115497604		41314.9	6.76	10	43	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	1063.5061	1063.5519	0.0458	43	131	138	MRQNQSQR				Oxidation (M)[1]		Mascot	
	1270.5997	1270.7366	0.1369	108	167	176	NVAHDWLEMR						Mascot	
	1317.691	1317.7031	0.0121	9	202	212	VRVYDPSTPQR						Mascot	
	1387.744	1387.6953	-0.0487	-35	139	151	HHVATGGKENPLK						Mascot	
	1432.6914	1432.7574	0.066	46	353	367	AAEKDEAAVTGADGK						Mascot	
	1432.6914	1432.7574	0.066	46	353	367	AAEKDEAAVTGADGK						Mascot	
	1448.7605	1448.7517	-0.0088	-6	290	301	VHSLEDRSLQHK						Mascot	
	1695.8007	1695.8291	0.0284	17	74	89	GIFTATKECGDPSQ GK				Carbamidomethyl (C)[9]		Mascot	
	1846.9697	1846.8077	-0.162	-88	177	192	VPVWVRDISFIADSDK						Mascot	
	2005.0786	2005.0021	-0.0765	-38	2	20	AAKSQICSIWLGSETGILK						Mascot	
	2282.9968	2283.1985	0.2017	88	332	350	AEEEDEVDNMETVTEK TK						Mascot	

19	Si:ch211-20b12.1 [Danio rerio]				gi 67678177		55996.8	8.09	3	42	0	35	91.374				
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	827.4522	827.4365	-0.0157	-19	393	399	SPIAFHR						Mascot	
	983.5533	983.4488	-0.1045	-106	392	399	RSPIAFHR						Mascot	
	1277.6307	1277.7234	0.0927	73	436	445	CHDIIISTYR	35	91.374		Carbamidomethyl (C)[1]		Mascot	
	1277.6307	1277.7234	0.0927	73	436	445	CHDIIISTYR				Carbamidomethyl (C)[1]		Mascot	

20	lft81 protein [Danio rerio]				gi 145337899		29908.3	5.76	9	39	0						
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
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1045.5636	1045.5718	0.0082	8	14	21	TEEILRER						Mascot
1063.5339	1063.5519	0.018	17	224	232	DLETLLECK						Mascot
1200.5123	1200.6678	0.1555	130	65	74	TLDDMSEMVK			Oxidation (M)[5,8]			Mascot
1248.6504	1248.6927	0.0423	34	224	233	DLETLLECKK			Carbamidomethyl (C)[8]			Mascot
1381.645	1381.6779	0.0329	24	63	74	GRTLDDMSEMVK						Mascot
1448.6976	1448.7517	0.0541	37	135	146	TLREETAQEEESR						Mascot
1727.8018	1727.8553	0.0535	31	113	128	AQYETCAAGLESNRSK						Mascot
2225.0879	2225.1394	0.0515	23	147	163	YHHINCEREIIESQIQR			Carbamidomethyl (C)[6]			Mascot
2283.1914	2283.1985	0.0071	3	234	254	QCYLKAQSQAPIGHVIQD VGK						Mascot

21 PREDICTED: probable ATP-dependent RNA helicase YTHDC2-like [Danio rerio] gi|326667516 148100.7 8.32 19 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4553	842.5168	0.0615	73	743	749	HAVQMLK			Oxidation (M)[5]		Mascot
915.5258	915.4971	-0.0287	-31	259	266	LESRVSPK					Mascot
950.4359	950.501	0.0651	68	86	93	KDGMEAQR			Oxidation (M)[4]		Mascot
983.4462	983.4488	0.0026	3	1256	1264	MTSAVSSER			Oxidation (M)[1]		Mascot
987.5217	987.5178	-0.0039	-4	1208	1215	NIELSQQR					Mascot
1045.5823	1045.5718	-0.0105	-10	106	114	ALVQSLMQR					Mascot
1079.6095	1079.5217	-0.0878	-81	62	71	LAQSLGYISK					Mascot
1200.6848	1200.6678	-0.017	-14	150	160	LSHGIPQVPPR					Mascot
1248.6331	1248.6927	0.0596	48	161	171	RSSAPELDAFR					Mascot
1317.5232	1317.7031	0.1799	137	94	105	SSMSCSLSPSCR			Carbamidomethyl (C)[5], Oxidation (M)[3]		Mascot
1381.7396	1381.6779	-0.0617	-45	303	314	DGLTDFLLTKMK					Mascot
1385.6915	1385.7264	0.0349	25	706	716	MPLQELCLHTK			Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot
1743.9388	1743.854	-0.0848	-49	1045	1059	LDPETAELVFGLRQR					Mascot
1743.9388	1743.854	-0.0848	-49	1045	1059	LDPETAELVFGLRQR					Mascot
1900.0538	1899.957	-0.0968	-51	173	188	ALPVYELQEIIQSIR					Mascot
2086.075	2085.9387	-0.1363	-65	496	514	GFVSHTEQLLNMGANINI K					Mascot
2102.0698	2101.9373	-0.1325	-63	496	514	GFVSHTEQLLNMGANINI K			Oxidation (M)[12]		Mascot
2119.0566	2118.9619	-0.0947	-45	44	61	ELDFPSSLTNSERAFIHR					Mascot
2119.0566	2118.9619	-0.0947	-45	44	61	ELDFPSSLTNSERAFIHR					Mascot
2145.8779	2146.041	0.1631	76	87	105	DGMEAQRSSMSCSLSPS CR			Carbamidomethyl (C)[12,18]		Mascot
2233.2195	2233.1072	-0.1123	-50	320	339	MPNLRLVLSSAALDVSLF MR					Mascot

	2283.9604	2284.1965	0.2361	103	381	398	EAQKEESQQCSLSEWCE R						Carbamidomethyl (C)[10,16]	Mascot
22	CDK5 regulatory subunit-associated protein 1 [Danio rerio]					gi 160333602	65811.6	9.24	13	38	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
987.4022	987.5178	0.1156	117	303	310	MQFSCSER					Mascot
996.5295	996.6054	0.0759	76	1	8	MNRISTFK					Mascot
1051.6007	1051.7223	0.1216	116	204	213	LLSLAHGGQR					Mascot
1317.7021	1317.7031	0.001	1	374	385	HLHLPVQSGSSR					Mascot
1345.7507	1345.6891	-0.0616	-46	127	138	ADVLLVTCSIR			Carbamidomethyl (C)[9]		Mascot
1362.7627	1362.7101	-0.0526	-39	476	486	LEELISVFREK					Mascot
1362.7627	1362.7101	-0.0526	-39	476	486	LEELISVFREK					Mascot
1432.704	1432.7574	0.0534	37	563	575	GHALNHSPNDRK					Mascot
1432.704	1432.7574	0.0534	37	563	575	GHALNHSPNDRK					Mascot
1476.8057	1476.7306	-0.0751	-51	397	408	EAYLELVENIRK					Mascot
1695.8445	1695.8291	-0.0154	-9	538	552	TQMACITPGDYVLVK			Carbamidomethyl (C)[5]		Mascot
1743.7902	1743.854	0.0638	37	303	316	MQFSCSERNTQLSR	2	0	Carbamidomethyl (C)[5]		Mascot
1743.7902	1743.854	0.0638	37	303	316	MQFSCSERNTQLSR			Carbamidomethyl (C)[5]		Mascot
1759.785	1759.8502	0.0652	37	303	316	MQFSCSERNTQLSR			Carbamidomethyl (C)[5], Oxidation (M)[1]		Mascot
1759.785	1759.8502	0.0652	37	303	316	MQFSCSERNTQLSR			Carbamidomethyl (C)[5], Oxidation (M)[1]		Mascot
1846.8468	1846.8077	-0.0391	-21	440	454	EVGYNIGFFTYSMR			Oxidation (M)[14]		Mascot
1862.9653	1862.8049	-0.1604	-86	369	385	SNICKHLHLPVQSGSSR					Mascot
2017.9535	2018.1835	0.23	114	50	67	SKLTNGPSFQDFIMSSDK			Oxidation (M)[14]		Mascot

23	PREDICTED: zinc finger protein 420 isoform 2 [Danio rerio]					gi 326678086	70371	9.08	14	38	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.5168	-0.0038	-5	25	31	QRQGLLK					Mascot
950.3706	950.501	0.1304	137	36	43	MSDPEPCR			Oxidation (M)[1]		Mascot
987.5621	987.5178	-0.0443	-45	497	505	TFITAGHLK					Mascot
1045.536	1045.5718	0.0358	34	134	141	FHCARNLK			Carbamidomethyl (C)[3]		Mascot
1200.5387	1200.6678	0.1291	108	178	188	EKPYSCSVCGK					Mascot
1248.5712	1248.6927	0.1215	97	36	45	MSDPEPCR			Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot
1270.5667	1270.7366	0.1699	134	575	584	CDQCGKSFLR			Carbamidomethyl (C)[1,4]		Mascot

	1727.8381	1727.8553	0.0172	10	556	571	VSSSLNSHMLTHTGEK							Mascot
	1743.833	1743.854	0.021	12	556	571	VSSSLNSHMLTHTGEK				Oxidation (M)[9]			Mascot
	1743.9144	1743.854	-0.0604	-35	295	309	CGHCGKTFLRPAVLK				Carbamidomethyl (C)[1,4]			Mascot
	1759.9412	1759.8502	-0.091	-52	81	95	IKIDHNFLMETTAVK							Mascot
	1759.9412	1759.8502	-0.091	-52	81	95	IKIDHNFLMETTAVK							Mascot
	2004.9531	2005.0021	0.049	24	538	555	VHTGEKPFACHTCGKSF R							Mascot
	2102.0085	2101.9373	-0.0712	-34	488	505	EFVCFECEKTFITAGHLK							Mascot
	2118.9958	2118.9619	-0.0339	-16	538	555	VHTGEKPFACHTCGKSF R				Carbamidomethyl (C)[10,13]			Mascot
	2118.9958	2118.9619	-0.0339	-16	538	555	VHTGEKPFACHTCGKSF R				Carbamidomethyl (C)[10,13]			Mascot
	2211.0798	2211.1282	0.0484	22	450	468	IHLRVHTNEKPYSCECG K							Mascot
	2211.0798	2211.1282	0.0484	22	450	468	IHLRVHTNEKPYSCECG K							Mascot
	2283.0579	2283.1985	0.1406	62	227	245	HQMIHTGEKPYKCSHCD LR							Mascot
24	Anxa1c protein [Danio rerio]				gi 79153964		31472.1	5.92	8	38	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
827.3967	827.4365	0.0398	48	249	254	IMQEYK			Oxidation (M)[2]		Mascot
983.4978	983.4488	-0.049	-50	249	255	IMQEYKR			Oxidation (M)[2]		Mascot
1006.4952	1006.527	0.0318	32	143	151	ALFEAGENR					Mascot
1361.6292	1361.6848	0.0556	41	127	138	SEDRNIDDAQAK					Mascot
1385.8362	1385.7264	-0.1098	-79	237	248	IIVSRSEIDLLK					Mascot
1759.9701	1759.8502	-0.1199	-68	77	93	AAYQQSAGKPLADALKK					Mascot
1759.9701	1759.8502	-0.1199	-68	77	93	AAYQQSAGKPLADALKK					Mascot
1900.0637	1899.957	-0.1067	-56	49	66	AIETKGVDEATIIEVLAK					Mascot
2102.0144	2101.9373	-0.0771	-37	189	207	DLEGELSGHLEDCLMTLV K					Mascot

25	zgc:101901 [Danio rerio]				gi 157676757		62740	8.22	10	36	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
950.4611	950.501	0.0399	42	221	229	GSQVTSMPK			Oxidation (M)[7]		Mascot
1308.5923	1308.6664	0.0741	57	132	142	MNNNEMVSIPK			Oxidation (M)[1,6]		Mascot
1317.7261	1317.7031	-0.023	-17	392	404	SLPTGTSVITVDK					Mascot
1381.707	1381.6779	-0.0291	-21	292	304	SDIPINGPPTNTR					Mascot

	1387.61	1387.6953	0.0853	61	32	42	YNHQFVDCAYK										Mascot
	1449.7189	1449.7637	0.0448	31	221	233	GSQVTSMPKLNCK									Carbamidomethyl (C)[12]	Mascot
	1727.7904	1727.8553	0.0649	38	321	336	KEEGNYTCSAVNDIGK										Mascot
	2005.0422	2005.0021	-0.0401	-20	230	247	LNCKAPSVSITYQPNIEK										Mascot
	2102.0959	2101.9373	-0.1586	-75	5	24	YLM LIALGTALIGNAHCCPK										Mascot
	2211.1868	2211.1282	-0.0586	-27	43	64	DLVEVPVGLPSNASTLSLSANK	2		0							Mascot
	2211.1868	2211.1282	-0.0586	-27	43	64	DLVEVPVGLPSNASTLSLSANK										Mascot
26	novel protein similar to vertebrate kinesin family [Danio rerio]										gi 123208287	41525.2	6.07	9	36	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5709	842.5168	-0.0541	-64	359	365	EVILK LK					Mascot
850.4716	850.5497	0.0781	92	19	24	IRVFCR			Carbamidomethyl (C)[5]		Mascot
1200.6106	1200.6678	0.0572	48	364	374	LKSGQPVEEDV					Mascot
1248.6946	1248.6927	-0.0019	-2	176	187	KGLVFAQGAETK					Mascot
1317.7572	1317.7031	-0.0541	-41	21	30	VFCRIRPLTR			Carbamidomethyl (C)[3]		Mascot
1443.7373	1443.7195	-0.0178	-12	207	219	HIAATKMNVESRR					Mascot
1443.7373	1443.7195	-0.0178	-12	207	219	HIAATKMNVESRR					Mascot
1688.7623	1688.9028	0.1405	83	1	15	DPEEEVLQHGGGHER					Mascot
2040.9735	2041.0757	0.1022	50	138	153	FEFKVSAYMLELYNDR			Oxidation (M)[9]		Mascot
2040.9735	2041.0757	0.1022	50	138	153	FEFKVSAYMLELYNDR			Oxidation (M)[9]		Mascot
2102.0586	2101.9373	-0.1213	-58	37	55	GHITVACLDDYSVILETPR					Mascot

27 Si:dkeyp-95d10.1 protein [Danio rerio] gi|81097645 20309.2 7.37 6 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
983.5156	983.4488	-0.0668	-68	140	148	HLSGEEAIK					Mascot
1226.6488	1226.5912	-0.0576	-47	138	148	SRHLSGEEAIK					Mascot
1256.6377	1256.7084	0.0707	56	127	137	TGTMLACYLVK			Carbamidomethyl (C)[7]		Mascot
1256.6377	1256.7084	0.0707	56	127	137	TGTMLACYLVK			Carbamidomethyl (C)[7]		Mascot
1381.7434	1381.6779	-0.0655	-47	140	151	HLSGEEAIKEIR					Mascot
1432.8522	1432.7574	-0.0948	-66	97	108	SQILRFLSIVEK					Mascot
1432.8522	1432.7574	-0.0948	-66	97	108	SQILRFLSIVEK					Mascot
1443.6658	1443.7195	0.0537	37	113	126	GEGVAVHCAHGHGR			Carbamidomethyl (C)[8]		Mascot

1443.6658 1443.7195 0.0537 37 113 126 GEGVAVHCAHGHGR Carbamidomethyl (C)[8] Mascot

28 PREDICTED: eukaryotic translation initiation factor 5B gi|326664222 137612.9 5.61 15 35 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4842	842.5168	0.0326	39	345	352	GPNKATVR					Mascot
915.5509	915.4971	-0.0538	-59	942	949	ILGKDLEK					Mascot
950.4247	950.501	0.0763	80	361	367	MKEEEER					Mascot
987.5105	987.5178	0.0073	7	379	386	LEELEAQR					Mascot
1079.5327	1079.5217	-0.011	-10	580	589	ESSNKTTANK					Mascot
1226.674	1226.5912	-0.0828	-67	435	446	ALQAQGVVEPSK					Mascot
1256.6416	1256.7084	0.0668	53	931	941	HKEVCTAQGVK			Carbamidomethyl (C)[5]		Mascot
1256.6416	1256.7084	0.0668	53	931	941	HKEVCTAQGVK			Carbamidomethyl (C)[5]		Mascot
1345.7507	1345.6891	-0.0616	-46	933	945	EVCTAQGVKILGK					Mascot
1377.7274	1377.684	-0.0434	-32	1198	1208	QSIDALKNWFR					Mascot
1394.746	1394.7837	0.0377	27	640	653	APVVCVLGHVDTGK					Mascot
1727.9326	1727.8553	-0.0773	-45	1140	1155	GFVDIGIVTSIEVNHK					Mascot
1915	1914.9497	-0.0503	-26	1065	1080	IFSAEIIYHLFDAFTK					Mascot
2102.0247	2101.9373	-0.0874	-42	47	67	DELDALAAIEGAGAGKE QSK					Mascot
2118.9309	2118.9619	0.031	15	303	323	AASLDLDGADVQGEESA EGDK					Mascot
2118.9309	2118.9619	0.031	15	303	323	AASLDLDGADVQGEESA EGDK					Mascot
2268.9636	2269.0652	0.1016	45	505	524	AEAALDDWEAMASDEEK EMK					Mascot

29 coiled-coil domain-containing protein 123, mitochondrial precursor gi|41053710 79256.9 5.96 11 35 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1124.6534	1124.6771	0.0237	21	69	78	TVAIPSPRQR					Mascot
1248.5889	1248.6927	0.1038	83	566	575	TCEVEDLQVR			Carbamidomethyl (C)[2]		Mascot
1317.5488	1317.7031	0.1543	117	77	87	QRSYSESDCSR					Mascot
1443.7438	1443.7195	-0.0243	-17	430	441	VRAEEVIQENK					Mascot
1443.7438	1443.7195	-0.0243	-17	430	441	VRAEEVIQENK					Mascot
1448.7162	1448.7517	0.0355	25	420	431	SCEEELQSLRVR					Mascot
1728.0013	1727.8553	-0.146	-84	668	683	QGVLTRIESTVNLGK					Mascot

1743.8456	1743.854	0.0084	5	313	325	HLQQELCHTHRER	Carbamidomethyl (C)[7]	Mascot
1743.8456	1743.854	0.0084	5	313	325	HLQQELCHTHRER	Carbamidomethyl (C)[7]	Mascot
2103.1121	2102.957	-0.1551	-74	399	416	YLSPLLLAYEDHLNAKDK		Mascot
2146.0808	2146.041	-0.0398	-19	566	583	TCEVEDLQVRLSALEVER	Carbamidomethyl (C)[2]	Mascot
2211.0823	2211.1282	0.0459	21	340	358	QQAQELVDENDGLKMTV HR		Mascot
2211.0823	2211.1282	0.0459	21	340	358	QQAQELVDENDGLKMTV HR		Mascot
2233.2188	2233.1072	-0.1116	-50	536	555	LALEHSLSLAEHQTVTDK LK		Mascot

30 PREDICTED: transient receptor potential cation channel subfamily M member 4-like [Danio rerio] gi|326666046 137203 6.89 10 34 0 21 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
827.4556	827.4365	-0.0191	-23	591	597	AMKHAVNK					Mascot
950.4677	950.501	0.0333	35	657	664	LETETETK					Mascot
1165.7667	1165.7545	-0.0122	-10	910	920	QLGPKIIIVGK					Mascot
1200.6372	1200.6678	0.0306	25	21	30	AQKDQSWIPK					Mascot
1317.6758	1317.7031	0.0273	21	541	553	SQATNLTTPSAAR					Mascot
1370.6304	1370.6625	0.0321	23	184	196	HHCAMASSLSQAK					Mascot
1432.7828	1432.7574	-0.0254	-18	1141	1152	VDSVLKQMVEIR			Oxidation (M)[8]		Mascot
1432.7828	1432.7574	-0.0254	-18	1141	1152	VDSVLKQMVEIR	21	0	Oxidation (M)[8]		Mascot
1443.6467	1443.7195	0.0728	50	184	196	HHCAMASSLSQAK			Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot
1443.6467	1443.7195	0.0728	50	184	196	HHCAMASSLSQAK			Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot
1899.9712	1899.957	-0.0142	-7	441	456	VDIAKTELFNGDVHWR					Mascot
2145.9724	2146.041	0.0686	32	78	97	DTSDYPTDAFGQLEFVG AGR					Mascot
2434.0366	2434.1011	0.0645	26	35	57	RVCTTFVEDSCSNGALC QCGGAR			Carbamidomethyl (C)[3]		Mascot

31 LOC561115 protein [Danio rerio] gi|124481604 94397 5.22 12 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.5108	996.6054	0.0946	95	149	157	AVEENAHVK					Mascot
1200.6218	1200.6678	0.046	38	396	406	KVASEEDPGIR					Mascot
1256.5793	1256.7084	0.1291	103	670	679	QLEDYNFAEK					Mascot
1256.5793	1256.7084	0.1291	103	670	679	QLEDYNFAEK					Mascot
1361.692	1361.6848	-0.0072	-5	513	523	NTLLINHHDER					Mascot

	1377.6216	1377.684	0.0624	45	548	558	Q SHEWTSLSMR					Oxidation (M)[9]	Mascot
	1443.662	1443.7195	0.0575	40	354	364	RQYCHYLSSMR						Mascot
	1443.662	1443.7195	0.0575	40	354	364	RQYCHYLSSMR						Mascot
	1914.8949	1914.9497	0.0548	29	707	722	ENAVYVICHNPMSQQR					Carbamidomethyl (C)[8]	Mascot
	2040.9297	2041.0757	0.146	72	25	41	SWETSLSAAVFEENEWR						Mascot
	2040.9297	2041.0757	0.146	72	25	41	SWETSLSAAVFEENEWR						Mascot
	2211.0872	2211.1282	0.041	19	355	373	QYCHYLSSMR LIQVPAAC K						Mascot
	2211.0872	2211.1282	0.041	19	355	373	QYCHYLSSMR LIQVPAAC K						Mascot
	2233.031	2233.1072	0.0762	34	707	725	ENAVYVICHNPMSQQR SCK					Carbamidomethyl (C)[8]	Mascot
	2269.1531	2269.0652	-0.0879	-39	374	394	SGSPIQQSR PQSSTE VV QTPR						Mascot
	2284.1714	2284.1965	0.0251	11	52	71	AEDEQLIGSLVQAVQQP MRR					Oxidation (M)[18]	Mascot

32

39S ribosomal protein L30, mitochondrial [Danio rerio]

gi|66472758

17600.6

10.15

6

34

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.6564	996.6054	-0.051	-51	142	149	RLLKPLEK					Mascot
1006.5468	1006.527	-0.0198	-20	71	77	RPYWEKK					Mascot
1270.6572	1270.7366	0.0794	62	81	91	SLGLMKSHEPR			Oxidation (M)[5]		Mascot
1846.9558	1846.8077	-0.1481	-80	49	64	YGGDPEQPHKLHIVTR					Mascot
2102.0083	2101.9373	-0.071	-34	117	135	LPHGLPAEEDMANTHLN SR					Mascot
2146.1284	2146.041	-0.0874	-41	7	26	ALLTSASNVSKNLTQVSP CR			Carbamidomethyl (C)[19]		Mascot

33

novel protein similar to elongation factor RNA polymerase II (ell) [Danio rerio]

gi|122890999

34843

9.64

8

34

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1006.4985	1006.527	0.0285	28	134	141	ERMSQVEK					Mascot
1079.5731	1079.5217	-0.0514	-48	38	46	TLEAYQNLK					Mascot
1256.6732	1256.7084	0.0352	28	231	242	ADLSPVLDEVAK					Mascot
1256.6732	1256.7084	0.0352	28	231	242	ADLSPVLDEVAK					Mascot
1277.6055	1277.7234	0.1179	92	6	16	QEHR YGLSCGK					Mascot
1277.6055	1277.7234	0.1179	92	6	16	QEHR YGLSCGK					Mascot
1345.6707	1345.6891	0.0184	14	108	119	DRLEGQGS IQDK					Mascot
1394.6733	1394.7837	0.1104	79	136	146	MSQVEKDIWSR			Oxidation (M)[1]		Mascot

36	novel protein similar to human and mouse ring finger protein 30 (RNF30) [Danio rerio]	gi 56207578	13788	5.17	6	33	0
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Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1124.6171	1124.6771	0.06	53	56	64	RQIQHISDK				Mascot
1308.6477	1308.6664	0.0187	14	100	110	RHGDHLEMSVK				Mascot
1362.6458	1362.7101	0.0643	47	111	122	LVETAIQSMEEP			Oxidation (M)[9]	Mascot
1362.6458	1362.7101	0.0643	47	111	122	LVETAIQSMEEP			Oxidation (M)[9]	Mascot
1448.6686	1448.7517	0.0831	57	78	89	ELIETVGCEQDR			Carbamidomethyl (C)[8]	Mascot
1914.9043	1914.9497	0.0454	24	2	19	CTVDTICPSVICSVSMLK			Oxidation (M)[16]	Mascot
2085.9688	2085.9387	-0.0301	-14	2	19	CTVDTICPSVICSVSMLK			Carbamidomethyl (C)[1,7,12], Oxidation (M)[16]	Mascot
2102.9663	2102.957	-0.0093	-4	1	19	MCTVDTICPSVICSVSMLK			Carbamidomethyl (C)[2], Oxidation (M)[1]	Mascot
2118.9612	2118.9619	0.0007	0	1	19	MCTVDTICPSVICSVSMLK			Carbamidomethyl (C)[2], Oxidation (M)[1,17]	Mascot
2118.9612	2118.9619	0.0007	0	1	19	MCTVDTICPSVICSVSMLK			Carbamidomethyl (C)[2], Oxidation (M)[1,17]	Mascot
2233.0042	2233.1072	0.103	46	1	19	MCTVDTICPSVICSVSMLK			Carbamidomethyl (C)[2,8,13], Oxidation (M)[1,17]	Mascot
37	Npepps protein [Danio rerio]			gi 33585611		19640.3	8.56	6	33	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1248.5637	1248.6927	0.129	103	26	35	QADMQEEKNR				Mascot
1362.8103	1362.7101	-0.1002	-74	39	51	VLGAIPAPDLIQR				Mascot
1362.8103	1362.7101	-0.1002	-74	39	51	VLGAIPAPDLIQR				Mascot
1394.8154	1394.7837	-0.0317	-23	99	110	YQGGLISRLIK				Mascot
1432.8409	1432.7574	-0.0835	-58	108	120	LIKLTVDGFAIDK				Mascot
1432.8409	1432.7574	-0.0835	-58	108	120	LIKLTVDGFAIDK				Mascot
1486.7285	1486.728	-0.0005	0	158	169	DADDIHQYLLQR				Mascot
2103.0837	2102.957	-0.1267	-60	140	157	TVQQCCENILLNAAWLKR				Mascot
38	cyclin-F [Danio rerio]			gi 46309465		84852.2	5.63	12	33	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
915.4101	915.4971	0.087	95	576	583	ADSMQAHR				Mascot
950.4399	950.501	0.0611	64	495	502	CFGQDVPK			Carbamidomethyl (C)[1]	Mascot
1006.5502	1006.527	-0.0232	-23	13	20	CFSLPVRK			Carbamidomethyl (C)[1]	Mascot
1079.5084	1079.5217	0.0133	12	123	132	ADLCGRMASR				Mascot

	1124.6534	1124.6771	0.0237	21	506	515	HVSLTGVKQR										Mascot
	1256.6238	1256.7084	0.0846	67	240	248	YLQCMRTLRL						Carbamidomethyl (C)[4], Oxidation (M)[5]				Mascot
	1256.6238	1256.7084	0.0846	67	240	248	YLQCMRTLRL						Carbamidomethyl (C)[4], Oxidation (M)[5]				Mascot
	1308.6405	1308.6664	0.0259	20	254	264	GCWEAQLAFVK						Carbamidomethyl (C)[2]				Mascot
	1317.658	1317.7031	0.0451	34	172	183	LQAECQTSPGRK										Mascot
	1846.97	1846.8077	-0.1623	-88	349	364	AQLQLLGIACMVICTR						Carbamidomethyl (C)[10,14]				Mascot
	1862.9065	1862.8049	-0.1016	-55	324	339	DFSSQVLHVTISCVDR						Carbamidomethyl (C)[13]				Mascot
	2283.1689	2283.1985	0.0296	13	184	202	GTLLYCLARVLQLFDDEE K						Carbamidomethyl (C)[6]				Mascot
	2283.9778	2284.1965	0.2187	96	628	647	DGEISTMEVQMELPLDC ADR						Oxidation (M)[7,11]				Mascot
39	protein BTG3 [Danio rerio]				gi 55925203		18115.1	5.85	6	32	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
950.4988	950.501	0.0022	2	54	61	GQAFCIR						Mascot
1200.5432	1200.6678	0.1246	104	44	53	GHWYPDNPSK						Mascot
1248.6583	1248.6927	0.0344	28	65	74	FQKEDAELLR						Mascot
1759.83	1759.8502	0.0202	11	44	58	GHWYPDNPSKGQAFR						Mascot
1759.83	1759.8502	0.0202	11	44	58	GHWYPDNPSKGQAFR	4		0			Mascot
2211.0208	2211.1282	0.1074	49	91	108	ELTLWVDPGEVCCRYGE K				Carbamidomethyl (C)[12,13]		Mascot
2211.0208	2211.1282	0.1074	49	91	108	ELTLWVDPGEVCCRYGE K				Carbamidomethyl (C)[12,13]		Mascot
2224.9412	2225.1394	0.1982	89	139	158	VTSDYHSGSSSDEDSML VHR				Oxidation (M)[16]		Mascot

40 PREDICTED: high affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A-like [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
987.4135	987.5178	0.1043	106	29	36	HCSPCDIR				Carbamidomethyl (C)[2]		Mascot
1045.5312	1045.5718	0.0406	39	368	376	HGEILDSFK						Mascot
1270.5767	1270.7366	0.1599	126	148	158	LKDEMTSGSMR				Oxidation (M)[5]		Mascot
1362.5955	1362.7101	0.1146	84	78	89	VMSHSTNQGECK				Oxidation (M)[2]		Mascot
1362.7198	1362.7101	-0.0097	-7	227	237	EFNMNPITLKR						Mascot
1377.6678	1377.684	0.0162	12	495	506	QIEDAMSEAQKK						Mascot
1381.7209	1381.6779	-0.043	-31	186	197	YTLSQETIDALK						Mascot
1486.7684	1486.728	-0.0404	-27	459	470	FVLIPMFETVMK				Oxidation (M)[6,11]		Mascot

	1862.8337	1862.8049	-0.0288	-15	377	391	QKVDNFDCTNEEHVK				Carbamidomethyl (C)[8]	Mascot
	1915.1045	1914.9497	-0.1548	-81	351	367	QIRQAII TLILATDMAK				Oxidation (M)[15]	Mascot
	2004.9761	2005.0021	0.026	13	2	20	GSSSSSYTPKTIYLDVDG K					Mascot
41	PREDICTED: MAGUK p55 subfamily member 6 isoform gi 326674868 1 [Danio rerio]					60958.3	6.56	10	32	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
915.4642	915.4971	0.0329	36	380	386	RPRDDEK					Mascot
950.4611	950.501	0.0399	42	200	208	DCNGSITLK					Mascot
987.5217	987.5178	-0.0039	-4	181	189	EVNGREVGK					Mascot
1370.5927	1370.6625	0.0698	51	397	407	EEMEMDIKASR			Oxidation (M)[3,5]		Mascot
1385.6954	1385.7264	0.031	22	423	434	MDSIHEVVRAGR			Oxidation (M)[1]		Mascot
1449.7253	1449.7637	0.0384	26	293	307	DLDGSGILCGTLTGK					Mascot
2005.0382	2005.0021	-0.0361	-18	2	20	TVSNAKSGTAMQQVLDN LK					Mascot
2211.083	2211.1282	0.0452	20	502	519	RAYNHYFDLTIVNDNLDK					Mascot
2211.083	2211.1282	0.0452	20	502	519	RAYNHYFDLTIVNDNLDK					Mascot
2225.1746	2225.1394	-0.0352	-16	30	48	DIDLIFLRGIMESPIAHER					Mascot
2283.1729	2283.1985	0.0256	11	450	469	TSEFMPFVVFIAAPELDTL R					Mascot

42 hypothetical protein LOC450015 [Danio rerio] gi|54400574 36312.7 5.75 7 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
827.4045	827.4365	0.032	39	258	263	FNQQYK					Mascot
842.4366	842.5168	0.0802	95	148	155	TVTEAGHK					Mascot
915.4907	915.4971	0.0064	7	281	287	FVHSRNR					Mascot
983.5018	983.4488	-0.053	-54	250	257	MFGPFKEK					Mascot
1277.6848	1277.7234	0.0386	30	288	299	VGLSFSLGINDR					Mascot
1277.6848	1277.7234	0.0386	30	288	299	VGLSFSLGINDR					Mascot
1345.6495	1345.6891	0.0396	29	70	80	SRIDYYNGTTR					Mascot
1743.8483	1743.854	0.0057	3	140	155	GAQCEVWKT VTEAGHK					Mascot
1743.8483	1743.854	0.0057	3	140	155	GAQCEVWKT VTEAGHK					Mascot

43 novel protein similar to vertebrate breast cancer anti-estrogen resistance 3 (BCAR3) [Danio rerio] gi|169158144 84068.2 8.52 12 31 0

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank Result Type
	882.5083	882.5741	0.0658	75	607	613 SLKPFYK					Mascot
	1045.5524	1045.5718	0.0194	19	45	52 RELEELK					Mascot
	1051.5895	1051.7223	0.1328	126	22	31 SSVIGAKFSR					Mascot
	1079.6068	1079.5217	-0.0851	-79	665	674 HLEGARAVAR					Mascot
	1256.5325	1256.7084	0.1759	140	675	685 NADTYTCNAQR					Mascot
	1256.5325	1256.7084	0.1759	140	675	685 NADTYTCNAQR					Mascot
	1294.6439	1294.7118	0.0679	52	60	70 SHAWYHGAIPR					Mascot
	1317.7083	1317.7031	-0.0052	-4	452	462 ENKPLEMTVLK			Oxidation (M)[7]		Mascot
	1361.6592	1361.6848	0.0256	19	10	21 TITAALCCFYQK					Mascot
	1381.6528	1381.6779	0.0251	18	374	385 MNSLQANGYVER					Mascot
	1449.861	1449.7637	-0.0973	-67	317	329 VPTVRVPCIPALK			Carbamidomethyl (C)[8]		Mascot
	1476.7627	1476.7306	-0.0321	-22	288	300 RMAFDLTPGEAIR					Mascot
	2018.002	2018.1835	0.1815	90	5	21 CNILRTITAALCCFYQK			Carbamidomethyl (C)[1]		Mascot
44	PREDICTED: neurabin-1-like [Danio rerio]				gi 326670455		143069.6	4.9	1	26	28.083

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank Result Type
	1362.614	1362.7101	0.0961	71	371	383 EQCLDPAGAGMVR	26	28.083	Oxidation (M)[11]		2 Mascot
45	PREDICTED: insulin receptor substrate 1-B-like [Danio rerio]				gi 326674337		118937.4	8.49	1	22	0

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank Result Type
	1743.9421	1743.854	-0.0881	-51	179	194 LNSDAAAVVLQLMNIR	22	0	Oxidation (M)[13]		3 Mascot
46	cell adhesion molecule 1a isoform 2 [Danio rerio]				gi 158538876		48182.2	4.82	1	17	0

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank Result Type
	1362.6859	1362.7101	0.0242	18	107	119 VSLSNVLSDEGR	17	0			3 Mascot
47	PREDICTED: PH and SEC7 domain-containing protein 4-like [Danio rerio]				gi 326668322		90694.7	4.54	1	17	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank Result Type
1743.833	1743.854	0.021	12	504	518 SLMPETDREQDGPLR	10	0			8 Mascot
1759.828	1759.8502	0.0222	13	504	518 SLMPETDREQDGPLR	17	0 Oxidation (M)[3]			2 Mascot
48	novel protein similar to vertebrate spectrin repeat containing, nuclear envelope 2 (SYNE2) [Danio rerio]				gi 56207727	115485.2	5.17	1	16	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank Result Type
1256.6705	1256.7084	0.0379	30	229	238 RLAEQQDLQR	16	0			2 Mascot
49	calcium-binding protein 1 [Danio rerio]				gi 50539888	19114.3	4.69	1	16	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank Result Type
1432.6737	1432.7574	0.0837	58	18	28 ELRPEEMDELRL	16	0 Oxidation (M)[7]			4 Mascot
50	hypothetical protein LOC556137 [Danio rerio]				gi 113677313	19802	5.55	1	15	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank Result Type
1759.811	1759.8502	0.0392	22	2	16 LLDYCCRCGTALIR	15	0 Carbamidomethyl (C)[5]			3 Mascot

Gel Idx/Pos	195/H22	Instr./Gel Origin	BA2060/110707A					Process Status	Analysis Succeeded	
Plate [#] Name	[1] 31496	Instrument Sample Name						Spectra	11	

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	aldehyde dehydrogenase 2b [Danio rerio]	gi 51571951	56513.4	6.06	24	706	100	520	100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank Result Type
876.4243	876.4282	0.0039	4	107	113 LADCIER	Carbamidomethyl (C)[4]				Mascot
974.5152	974.5182	0.003	3	428	435 SLEEVIER					Mascot
1030.5428	1030.5532	0.0104	10	455	463 ANYISHGLR	55	99.909			Mascot
1030.5428	1030.5532	0.0104	10	455	463 ANYISHGLR					Mascot

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
876.4243	876.4282	0.0039	4	73	79 LADCIER			Carbamidomethyl (C)[4]		Mascot
974.5152	974.5182	0.003	3	394	401 SLEEVIER					Mascot
1030.5428	1030.5532	0.0104	10	421	429 ANYISHGLR	55	99.909			Mascot
1030.5428	1030.5532	0.0104	10	421	429 ANYISHGLR					Mascot
1051.6146	1051.7194	0.1048	100	334	343 KVLGYISSGK					Mascot
1132.5238	1132.5328	0.009	8	349	359 LMC GGAPAAER			Carbamidomethyl (C)[3]		Mascot
1148.5187	1148.5253	0.0066	6	349	359 LMC GGAPAAER			Carbamidomethyl (C)[3], Oxidation (M)[2]		Mascot
1403.7603	1403.7678	0.0075	5	380	391 EEIFGPVMQILK					Mascot
1403.7603	1403.7678	0.0075	5	380	391 EEIFGPVMQILK	67	99.994			Mascot
1419.7552	1419.7617	0.0065	5	380	391 EEIFGPVMQILK			Oxidation (M)[8]		Mascot
1419.7552	1419.7617	0.0065	5	380	391 EEIFGPVMQILK	44	98.843	Oxidation (M)[8]		Mascot
1460.6984	1460.6359	-0.0625	-43	345	359 EGAKLMCGGAPAAER					Mascot
1470.7627	1470.7699	0.0072	5	360	372 GYFIQPTVFGDVK					Mascot
1473.6797	1473.6864	0.0067	5	113	124 YYAGWADKWEGK					Mascot
1473.6797	1473.6864	0.0067	5	113	124 YYAGWADKWEGK	44	99.001			Mascot
1497.7584	1497.7661	0.0077	5	407	420 YGLAGAVFTQDIDK					Mascot
1515.8312	1515.7649	-0.0663	-44	67	79 GLLLSRLADCIER			Carbamidomethyl (C)[10]		Mascot
1600.8441	1600.8541	0.01	6	223	237 VAFTGSTDVGH LIQR	123	100			Mascot
1600.8441	1600.8541	0.01	6	223	237 VAFTGSTDVGH LIQR					Mascot
1619.7522	1619.7637	0.0115	7	125	137 TIPIDGNYFCYTR	101	100	Carbamidomethyl (C)[10]		Mascot
1619.7522	1619.7637	0.0115	7	125	137 TIPIDGNYFCYTR			Carbamidomethyl (C)[10]		Mascot
1661.7363	1661.7477	0.0114	7	458	471 EMGEYGLENYTEVK					Mascot
1677.7312	1677.7407	0.0095	6	458	471 EMGEYGLENYTEVK			Oxidation (M)[2]		Mascot
1761.833	1761.8429	0.0099	6	290	303 TFVQESIYDEFVER	125	100			Mascot
1761.833	1761.8429	0.0099	6	290	303 TFVQESIYDEFVER					Mascot
1831.0575	1831.0667	0.0092	5	175	191 VAEQTPLTALYIASLIK					Mascot
2233.0771	2233.0981	0.021	9	290	307 TFVQESIYDEFVERSVR					Mascot
2273.127	2273.1455	0.0185	8	360	379 GYFIQPTVFGDVKDDMTI AR					Mascot
2289.1221	2289.1477	0.0256	11	360	379 GYFIQPTVFGDVKDDMTI AR			Oxidation (M)[16]		Mascot
2289.1221	2289.1477	0.0256	11	360	379 GYFIQPTVFGDVKDDMTI AR	4	0	Oxidation (M)[16]		Mascot
2448.1804	2448.2031	0.0227	9	430	451 AGTVWINCYNVFGVQAP FGGYK			Carbamidomethyl (C)[8]		Mascot
2490.1782	2490.2053	0.0271	11	312	333 IVGDPFDLNTEQGPQVN EDQFK					Mascot
2509.2834	2509.3057	0.0223	9	407	429 YGLAGAVFTQDIDKANYI SHGLR					Mascot

	2618.2732	2618.304	0.0308	12	312	334	IVGDPFDLNTQGPQVN EDQFKK											Mascot
	2798.3665	2798.3958	0.0293	10	18	43	TFPTINPATGEIICHVAEG DKADVDK							Carbamidomethyl (C)[14]				Mascot
3	Aldh2b protein [Danio rerio]				gi 94574478		56422.4	6.35	23	694	100	520	100					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
876.4243	876.4282	0.0039	4	107	113	LADCIER				Carbamidomethyl (C)[4]		Mascot	
974.5152	974.5182	0.003	3	428	435	SLEEVIER						Mascot	
1030.5428	1030.5532	0.0104	10	455	463	ANYISHGLR	55	99.909				Mascot	
1030.5428	1030.5532	0.0104	10	455	463	ANYISHGLR						Mascot	
1051.6146	1051.7194	0.1048	100	368	377	KVLGYISSGK						Mascot	
1132.5238	1132.5328	0.009	8	383	393	LMCGGAPAAER				Carbamidomethyl (C)[3]		Mascot	
1148.5187	1148.5253	0.0066	6	383	393	LMCGGAPAAER				Carbamidomethyl (C)[3], Oxidation (M)[2]		Mascot	
1403.7603	1403.7678	0.0075	5	414	425	EEIFGPVMQILK						Mascot	
1403.7603	1403.7678	0.0075	5	414	425	EEIFGPVMQILK	67	99.994				Mascot	
1419.7552	1419.7617	0.0065	5	414	425	EEIFGPVMQILK				Oxidation (M)[8]		Mascot	
1419.7552	1419.7617	0.0065	5	414	425	EEIFGPVMQILK	44	98.843		Oxidation (M)[8]		Mascot	
1460.6984	1460.6359	-0.0625	-43	379	393	EGAKLMCGGAPAAER						Mascot	
1470.7627	1470.7699	0.0072	5	394	406	GYFIQPTVFGDVK						Mascot	
1473.6797	1473.6864	0.0067	5	147	158	YYAGWADKWEGK						Mascot	
1473.6797	1473.6864	0.0067	5	147	158	YYAGWADKWEGK	44	99.001				Mascot	
1515.8312	1515.7649	-0.0663	-44	101	113	GLLLSRLADCIER				Carbamidomethyl (C)[10]		Mascot	
1572.7805	1572.7897	0.0092	6	38	50	IFINNEWHDAVSK						Mascot	
1600.8441	1600.8541	0.01	6	257	271	VAFTGSTDVGHLIQR	123	100				Mascot	
1600.8441	1600.8541	0.01	6	257	271	VAFTGSTDVGHLIQR						Mascot	
1619.7522	1619.7637	0.0115	7	159	171	TIPIDGNYFCYTR	101	100		Carbamidomethyl (C)[10]		Mascot	
1619.7522	1619.7637	0.0115	7	159	171	TIPIDGNYFCYTR				Carbamidomethyl (C)[10]		Mascot	
1661.7363	1661.7477	0.0114	7	492	505	EMGEYGLENYTEVK						Mascot	
1677.7312	1677.7407	0.0095	6	492	505	EMGEYGLENYTEVK				Oxidation (M)[2]		Mascot	
1761.833	1761.8429	0.0099	6	324	337	TFVQESIYDEFVER	125	100				Mascot	
1761.833	1761.8429	0.0099	6	324	337	TFVQESIYDEFVER						Mascot	
1831.0575	1831.0667	0.0092	5	209	225	VAEQTPLTALYIASLIK						Mascot	
2012.0083	2011.9922	-0.0161	-8	436	454	ANDSKYGLAGAVFTQNID K						Mascot	
2233.0771	2233.0981	0.021	9	324	341	TFVQESIYDEFVERSVR						Mascot	
2273.127	2273.1455	0.0185	8	394	413	GYFIQPTVFGDVKDDMTI AR						Mascot	

	2289.1221	2289.1477	0.0256	11	394	413	GYFIQPTVFGDVKDDMTI AR					Oxidation (M)[16]	Mascot
	2289.1221	2289.1477	0.0256	11	394	413	GYFIQPTVFGDVKDDMTI AR	4	0			Oxidation (M)[16]	Mascot
	2448.1804	2448.2031	0.0227	9	464	485	AGTVWVWVFGVQAP FGGYK					Carbamidomethyl (C)[8]	Mascot
	2490.1782	2490.2053	0.0271	11	346	367	IVGDPFDLNTQGPQVN EDQFK						Mascot
	2618.2732	2618.304	0.0308	12	346	368	IVGDPFDLNTQGPQVN EDQFKK						Mascot
	2798.3665	2798.3958	0.0293	10	52	77	TFPTINPATGEIICHVAEG DKADVVK					Carbamidomethyl (C)[14]	Mascot
4	PREDICTED: aldehyde dehydrogenase, mitochondrial [Danio rerio]					gi 292614411	56442.4	5.82	24	583	100	397	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
876.4243	876.4282	0.0039	4	107	113	LADCIER				Carbamidomethyl (C)[4]		Mascot
974.5152	974.5182	0.003	3	428	435	SLEEVIER						Mascot
1030.5428	1030.5532	0.0104	10	455	463	ANYISHGLR	55	99.909				Mascot
1030.5428	1030.5532	0.0104	10	455	463	ANYISHGLR						Mascot
1051.6146	1051.7194	0.1048	100	368	377	KVLGYISSGK						Mascot
1132.5238	1132.5328	0.009	8	383	393	LMCGGAPAAER				Carbamidomethyl (C)[3]		Mascot
1148.5187	1148.5253	0.0066	6	383	393	LMCGGAPAAER				Carbamidomethyl (C)[3], Oxidation (M)[2]		Mascot
1403.7603	1403.7678	0.0075	5	414	425	EEIFGPVMQILK						Mascot
1403.7603	1403.7678	0.0075	5	414	425	EEIFGPVMQILK	67	99.994				Mascot
1419.7552	1419.7617	0.0065	5	414	425	EEIFGPVMQILK				Oxidation (M)[8]		Mascot
1419.7552	1419.7617	0.0065	5	414	425	EEIFGPVMQILK	44	98.843		Oxidation (M)[8]		Mascot
1460.6984	1460.6359	-0.0625	-43	379	393	EGAKLMCGGAPAAER						Mascot
1470.7627	1470.7699	0.0072	5	394	406	GYFIQPTVFGDVK						Mascot
1473.6797	1473.6864	0.0067	5	147	158	YYAGWADKWEGK						Mascot
1473.6797	1473.6864	0.0067	5	147	158	YYAGWADKWEGK	44	99.001				Mascot
1497.7584	1497.7661	0.0077	5	441	454	YGLAGAVFTQDIDK						Mascot
1515.8312	1515.7649	-0.0663	-44	101	113	GLLLSRLADCIER				Carbamidomethyl (C)[10]		Mascot
1572.7805	1572.7897	0.0092	6	38	50	IFINNEWHDAVSK						Mascot
1619.7522	1619.7637	0.0115	7	159	171	TIPIDGNYFCYTR	101	100		Carbamidomethyl (C)[10]		Mascot
1619.7522	1619.7637	0.0115	7	159	171	TIPIDGNYFCYTR				Carbamidomethyl (C)[10]		Mascot
1661.7363	1661.7477	0.0114	7	492	505	EMGEYGLENYTEVK						Mascot
1677.7312	1677.7407	0.0095	6	492	505	EMGEYGLENYTEVK				Oxidation (M)[2]		Mascot
1761.833	1761.8429	0.0099	6	324	337	TFVQESIYDEFVER	125	100				Mascot
1761.833	1761.8429	0.0099	6	324	337	TFVQESIYDEFVER						Mascot

	1831.0575	1831.0667	0.0092	5	209	225	VAEQTPLTALYIASLIK										Mascot
	2233.0771	2233.0981	0.021	9	324	341	TFVQESIYDEFVERSVR										Mascot
	2273.127	2273.1455	0.0185	8	394	413	GYFIQPTVFGDVKDDMTI AR										Mascot
	2289.1221	2289.1477	0.0256	11	394	413	GYFIQPTVFGDVKDDMTI AR						Oxidation (M)[16]				Mascot
	2289.1221	2289.1477	0.0256	11	394	413	GYFIQPTVFGDVKDDMTI AR	4		0		Oxidation (M)[16]					Mascot
	2331.1938	2331.2095	0.0157	7	257	279	VAFTGSTDVGHLIQQASS ASNLK										Mascot
	2448.1804	2448.2031	0.0227	9	464	485	AGTVWINCYNVFGVQAP FGGYK						Carbamidomethyl (C)[8]				Mascot
	2490.1782	2490.2053	0.0271	11	346	367	IVGDPFDLNTQGPQVN EDQFK										Mascot
	2509.2834	2509.3057	0.0223	9	441	463	YGLAGAVFTQDIDKANYI SHGLR										Mascot
	2618.2732	2618.304	0.0308	12	346	368	IVGDPFDLNTQGPQVN EDQFKK										Mascot
	2798.3665	2798.3958	0.0293	10	52	77	TFPTINPATGEIICHVAEG DKADVVK						Carbamidomethyl (C)[14]				Mascot
5	novel protein similar to aldehyde dehydrogenase 2, like (aldh2l) [Danio rerio]																
							gi 122891034	56503.5	5.82	22	557	100	397	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
876.4243	876.4282	0.0039	4	107	113	LADCIER			Carbamidomethyl (C)[4]		Mascot
974.5152	974.5182	0.003	3	428	435	SLEEVIER					Mascot
1030.5428	1030.5532	0.0104	10	455	463	ANYISHGLR	55	99.909			Mascot
1030.5428	1030.5532	0.0104	10	455	463	ANYISHGLR					Mascot
1051.6146	1051.7194	0.1048	100	368	377	KVLGYISSGK					Mascot
1132.5238	1132.5328	0.009	8	383	393	LMCGGAPAAER			Carbamidomethyl (C)[3]		Mascot
1148.5187	1148.5253	0.0066	6	383	393	LMCGGAPAAER			Carbamidomethyl (C)[3], Oxidation (M)[2]		Mascot
1403.7603	1403.7678	0.0075	5	414	425	EEIFGPVMQILK					Mascot
1403.7603	1403.7678	0.0075	5	414	425	EEIFGPVMQILK	67	99.994			Mascot
1419.7552	1419.7617	0.0065	5	414	425	EEIFGPVMQILK			Oxidation (M)[8]		Mascot
1419.7552	1419.7617	0.0065	5	414	425	EEIFGPVMQILK	44	98.843	Oxidation (M)[8]		Mascot
1460.6984	1460.6359	-0.0625	-43	379	393	EGAKLMCGGAPAAER					Mascot
1470.7627	1470.7699	0.0072	5	394	406	GYFIQPTVFGDVK					Mascot
1473.6797	1473.6864	0.0067	5	147	158	YYAGWADKWEGK					Mascot
1473.6797	1473.6864	0.0067	5	147	158	YYAGWADKWEGK	44	99.001			Mascot
1497.7584	1497.7661	0.0077	5	441	454	YGLAGAVFTQDIDK					Mascot
1515.8312	1515.7649	-0.0663	-44	101	113	GLLLSRLADCIER			Carbamidomethyl (C)[10]		Mascot
1572.7805	1572.7897	0.0092	6	38	50	IFINNEWHDAVSK					Mascot

	1619.7522	1619.7637	0.0115	7	159	171	TIPIDGNYFCYTR	101	100	Carbamidomethyl (C)[10]	Mascot		
	1619.7522	1619.7637	0.0115	7	159	171	TIPIDGNYFCYTR			Carbamidomethyl (C)[10]	Mascot		
	1761.833	1761.8429	0.0099	6	324	337	TFVQESIYDEFVER	125	100		Mascot		
	1761.833	1761.8429	0.0099	6	324	337	TFVQESIYDEFVER				Mascot		
	1831.0575	1831.0667	0.0092	5	209	225	VAEQTPLTALYIASLIK				Mascot		
	2170.1025	2170.0898	-0.0127	-6	486	505	ASGIGRELGEYGLDIYTE VK				Mascot		
	2233.0771	2233.0981	0.021	9	324	341	TFVQESIYDEFVERSVR				Mascot		
	2273.127	2273.1455	0.0185	8	394	413	GYFIQPTVFGDVKDDMTI AR				Mascot		
	2289.1221	2289.1477	0.0256	11	394	413	GYFIQPTVFGDVKDDMTI AR			Oxidation (M)[16]	Mascot		
	2289.1221	2289.1477	0.0256	11	394	413	GYFIQPTVFGDVKDDMTI AR	4	0	Oxidation (M)[16]	Mascot		
	2331.1938	2331.2095	0.0157	7	257	279	VAFTGSTDVGHLIQQASS ASNLK				Mascot		
	2448.1804	2448.2031	0.0227	9	464	485	AGTVWINCYNVFGVQAP FGGYK			Carbamidomethyl (C)[8]	Mascot		
	2509.2834	2509.3057	0.0223	9	441	463	YGLAGAVFTQDIDKANYI SHGLR				Mascot		
	2798.3665	2798.3958	0.0293	10	52	77	TFPTINPATAEVICHVAEG DKADVCK			Carbamidomethyl (C)[14]	Mascot		
6	aldehyde dehydrogenase 2 precursor [Danio rerio]				gi 20339358		56526.6	6.05	20	527	100	392	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
864.4243	864.5198	0.0955	110	407	413	DDMKIAR			Oxidation (M)[3]		Mascot	
876.4243	876.4282	0.0039	4	107	113	LADCIER			Carbamidomethyl (C)[4]		Mascot	
974.5152	974.5182	0.003	3	428	435	SLEEVIER					Mascot	
1030.5428	1030.5532	0.0104	10	455	463	ANYISHGLR	55	99.909			Mascot	
1030.5428	1030.5532	0.0104	10	455	463	ANYISHGLR					Mascot	
1051.6146	1051.7194	0.1048	100	368	377	KVLGYISSGK					Mascot	
1132.5238	1132.5328	0.009	8	383	393	LMCGGAPAAER			Carbamidomethyl (C)[3]		Mascot	
1148.5187	1148.5253	0.0066	6	383	393	LMCGGAPAAER			Carbamidomethyl (C)[3], Oxidation (M)[2]		Mascot	
1403.7603	1403.7678	0.0075	5	414	425	EEIFGPVMQILK					Mascot	
1403.7603	1403.7678	0.0075	5	414	425	EEIFGPVMQILK	67	99.994			Mascot	
1419.7552	1419.7617	0.0065	5	414	425	EEIFGPVMQILK			Oxidation (M)[8]		Mascot	
1419.7552	1419.7617	0.0065	5	414	425	EEIFGPVMQILK	44	98.843	Oxidation (M)[8]		Mascot	
1454.7903	1454.741	-0.0493	-34	4	15	AVFSRTPQVFR					Mascot	
1460.6984	1460.6359	-0.0625	-43	379	393	EGAKLMCGGAPAAER					Mascot	
1470.7627	1470.7699	0.0072	5	394	406	GYFIQPTVFGDVK					Mascot	
1473.6797	1473.6864	0.0067	5	147	158	YYAGWADKWEGK					Mascot	

	1473.6797	1473.6864	0.0067	5	147	158	YYAGWADKWEGK	44	99.001		Mascot		
	1572.7805	1572.7897	0.0092	6	38	50	IFINNEWHDAVSK				Mascot		
	1619.7522	1619.7637	0.0115	7	159	171	TIPIDGNYFCYTR	101	100	Carbamidomethyl (C)[10]	Mascot		
	1619.7522	1619.7637	0.0115	7	159	171	TIPIDGNYFCYTR			Carbamidomethyl (C)[10]	Mascot		
	1761.833	1761.8429	0.0099	6	324	337	TFVQESIYDEFVER	125	100		Mascot		
	1761.833	1761.8429	0.0099	6	324	337	TFVQESIYDEFVER				Mascot		
	1831.0575	1831.0667	0.0092	5	209	225	VAEQTPLTALYIASLIK				Mascot		
	2170.1025	2170.0898	-0.0127	-6	486	505	ASGIGRELGEYGLDIYTE VK				Mascot		
	2233.0771	2233.0981	0.021	9	324	341	TFVQESIYDEFVERSVR				Mascot		
	2331.1938	2331.2095	0.0157	7	257	279	VAFTGSTDVGHLIQQASS ASNLK				Mascot		
	2448.1804	2448.2031	0.0227	9	464	485	AGTVWINCYNVFGVQAP FGGYK			Carbamidomethyl (C)[8]	Mascot		
	2798.3665	2798.3958	0.0293	10	52	77	TFPTINPATAEVICHVAEG DKADVVK			Carbamidomethyl (C)[14]	Mascot		
7	aldehyde dehydrogenase 2 precursor [Danio rerio]				gi 41053732		56529.6	5.93	19	523	100	397	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
876.4243	876.4282	0.0039	4	107	113	LADCIER			Carbamidomethyl (C)[4]		Mascot
974.5152	974.5182	0.003	3	428	435	SLEEVIER					Mascot
1030.5428	1030.5532	0.0104	10	455	463	ANYISHGLR	55	99.909			Mascot
1030.5428	1030.5532	0.0104	10	455	463	ANYISHGLR					Mascot
1051.6146	1051.7194	0.1048	100	368	377	KVLGYISSGK					Mascot
1132.5238	1132.5328	0.009	8	383	393	LMCGGAPAAER			Carbamidomethyl (C)[3]		Mascot
1148.5187	1148.5253	0.0066	6	383	393	LMCGGAPAAER			Carbamidomethyl (C)[3], Oxidation (M)[2]		Mascot
1403.7603	1403.7678	0.0075	5	414	425	EEIFGPVMQILK					Mascot
1403.7603	1403.7678	0.0075	5	414	425	EEIFGPVMQILK	67	99.994			Mascot
1419.7552	1419.7617	0.0065	5	414	425	EEIFGPVMQILK			Oxidation (M)[8]		Mascot
1419.7552	1419.7617	0.0065	5	414	425	EEIFGPVMQILK	44	98.843	Oxidation (M)[8]		Mascot
1460.6984	1460.6359	-0.0625	-43	379	393	EGAKLMCGGAPAAER					Mascot
1470.7627	1470.7699	0.0072	5	394	406	GYFIQPTVFGDVK					Mascot
1473.6797	1473.6864	0.0067	5	147	158	YYAGWADKWEGK					Mascot
1473.6797	1473.6864	0.0067	5	147	158	YYAGWADKWEGK	44	99.001			Mascot
1572.7805	1572.7897	0.0092	6	38	50	IFINNEWHDAVSK					Mascot
1619.7522	1619.7637	0.0115	7	159	171	TIPIDGNYFCYTR	101	100	Carbamidomethyl (C)[10]		Mascot
1619.7522	1619.7637	0.0115	7	159	171	TIPIDGNYFCYTR			Carbamidomethyl (C)[10]		Mascot
1761.833	1761.8429	0.0099	6	324	337	TFVQESIYDEFVER	125	100			Mascot

	1761.833	1761.8429	0.0099	6	324	337	TFVQESIYDEFVER											Mascot
	1831.0575	1831.0667	0.0092	5	209	225	VAEQTPLTALYIASLIK											Mascot
	2170.1025	2170.0898	-0.0127	-6	486	505	ASGIGRELGEYGLDIYTE VK											Mascot
	2233.0771	2233.0981	0.021	9	324	341	TFVQESIYDEFVERSVR											Mascot
	2273.127	2273.1455	0.0185	8	394	413	GYFIQPTVFGDVKDDMTI AR											Mascot
	2289.1221	2289.1477	0.0256	11	394	413	GYFIQPTVFGDVKDDMTI AR						Oxidation (M)[16]					Mascot
	2289.1221	2289.1477	0.0256	11	394	413	GYFIQPTVFGDVKDDMTI AR	4					0 Oxidation (M)[16]					Mascot
	2331.1938	2331.2095	0.0157	7	257	279	VAFTGSTDVGHLIQQASS ASNLK											Mascot
	2448.1804	2448.2031	0.0227	9	464	485	AGTVWINCYNVFGVQAP FGGYK						Carbamidomethyl (C)[8]					Mascot
	2798.3665	2798.3958	0.0293	10	52	77	TFPTINPATAEVICHVAEG DKADVDK						Carbamidomethyl (C)[14]					Mascot
8	PREDICTED: aldehyde dehydrogenase, mitochondrial-like, partial [Danio rerio]					gi 326681302	31349.7	5.28	17	517	100	374	100					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
974.5152	974.5182	0.003	3	202	209	SLEEVIER					Mascot
1030.5428	1030.5532	0.0104	10	229	237	ANYISHGLR	55	99.909			Mascot
1030.5428	1030.5532	0.0104	10	229	237	ANYISHGLR					Mascot
1051.6146	1051.7194	0.1048	100	142	151	KVLGYISSGK					Mascot
1132.5238	1132.5328	0.009	8	157	167	LMCGGAPAAER			Carbamidomethyl (C)[3]		Mascot
1148.5187	1148.5253	0.0066	6	157	167	LMCGGAPAAER			Carbamidomethyl (C)[3], Oxidation (M)[2]		Mascot
1403.7603	1403.7678	0.0075	5	188	199	EEIFGPVMQILK					Mascot
1403.7603	1403.7678	0.0075	5	188	199	EEIFGPVMQILK	67	99.994			Mascot
1419.7552	1419.7617	0.0065	5	188	199	EEIFGPVMQILK			Oxidation (M)[8]		Mascot
1419.7552	1419.7617	0.0065	5	188	199	EEIFGPVMQILK	44	98.843	Oxidation (M)[8]		Mascot
1460.6984	1460.6359	-0.0625	-43	153	167	EGAKLMCGGAPAAER					Mascot
1470.7627	1470.7699	0.0072	5	168	180	GYFIQPTVFGDVK					Mascot
1497.7584	1497.7661	0.0077	5	215	228	YGLAGAVFTQDIDK					Mascot
1600.8441	1600.8541	0.01	6	31	45	VAFTGSTDVGHLIQR	123	100			Mascot
1600.8441	1600.8541	0.01	6	31	45	VAFTGSTDVGHLIQR					Mascot
1661.7363	1661.7477	0.0114	7	266	279	EMGEYGLENYTEVK					Mascot
1677.7312	1677.7407	0.0095	6	266	279	EMGEYGLENYTEVK			Oxidation (M)[2]		Mascot
1761.833	1761.8429	0.0099	6	98	111	TFVQESIYDEFVER	125	100			Mascot
1761.833	1761.8429	0.0099	6	98	111	TFVQESIYDEFVER					Mascot
2233.0771	2233.0981	0.021	9	98	115	TFVQESIYDEFVERSVR					Mascot

	974.5417	974.5182	-0.0235	-24	25	32	TQIGYHKK			Mascot	
	1045.5636	1045.5658	0.0022	2	42	51	NVGSLDKNAK			Mascot	
	1256.6382	1256.7491	0.1109	88	32	41	KVVDHYENPR			Mascot	
	1403.6658	1403.7678	0.102	73	130	141	LHC\$MLAEDIAIK	Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot	
	1403.6658	1403.7678	0.102	73	130	141	LHC\$MLAEDIAIK	Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot	
	1528.7238	1528.7517	0.0279	18	151	164	QE\$EPVEETAVARN			Mascot	
	1661.7985	1661.7477	-0.0508	-31	52	68	NVG\$TGLVGAPAC\$DVMK	Carbamidomethyl (C)[12], Oxidation (M)[16]		Mascot	
11	PREDICTED: complement C3 [Danio rerio]				gi 326664394		182595	6.23	19	44	0

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. % Modification	Rank	Result Type
835.4923	835.476	-0.0163	-20	810	816 SLFIDLK				Mascot
850.4668	850.5481	0.0813	96	1149	1156 AVSFLEGK				Mascot
882.4679	882.5712	0.1033	117	1021	1028 DEAIGHIK				Mascot
1148.6674	1148.5253	-0.1421	-124	50	59 NAFEVKITVK				Mascot
1256.613	1256.7491	0.1361	108	1029	1038 TGYNRQQAYR				Mascot
1403.7028	1403.7678	0.065	46	1362	1372 LTMDFFYKNPK				Mascot
1403.7028	1403.7678	0.065	46	1362	1372 LTMDFFYKNPK				Mascot
1419.6978	1419.7617	0.0639	45	1362	1372 LTMDFFYKNPK		Oxidation (M)[3]		Mascot
1419.6978	1419.7617	0.0639	45	1362	1372 LTMDFFYKNPK		Oxidation (M)[3]		Mascot
1448.8472	1448.9344	0.0872	60	1414	1426 ALSDRGSLILYLK				Mascot
1454.6224	1454.741	0.1186	82	711	721 AFLHCCDEMKK		Carbamidomethyl (C)[5,6], Oxidation (M)[9]		Mascot
1470.889	1470.7699	-0.1191	-81	289	302 IQILKGVGTAE LTK				Mascot
1473.7445	1473.6864	-0.0581	-39	1021	1033 DEAIGHIKTGYNR				Mascot
1473.8312	1473.6864	-0.1448	-98	596	607 LTQTKIWDVIEK				Mascot
1492.681	1492.7563	0.0753	50	1511	1523 ACESGMDYVYKVK				Mascot
1600.8363	1600.8541	0.0178	11	1133	1147 ELCGAIVGSLPESIR		Carbamidomethyl (C)[3]		Mascot
1600.8363	1600.8541	0.0178	11	1133	1147 ELCGAIVGSLPESIR		Carbamidomethyl (C)[3]		Mascot
1677.7611	1677.7407	-0.0204	-12	1508	1521 NIKACESGMDYVYK		Carbamidomethyl (C)[5]		Mascot
1857.9381	1857.8822	-0.0559	-30	209	224 FANTPQKTFTAEFEVK				Mascot
1916.7605	1916.9781	0.2176	114	1484	1499 GDMCQCAEENCSLQKK		Carbamidomethyl (C)[4,6], Oxidation (M)[3]		Mascot
2430.0596	2430.2925	0.2329	96	699	720 ATYIGDGPECVKAFLHCC DEMK				Mascot
2538.2466	2538.2896	0.043	17	1524	1545 VKDMELAADADIYQMEV EQVLK				Mascot
3969.0461	3968.8386	-0.2075	-52	774	809 AMYLKDSITTWQVLAVS MSPTLGICVAEPEEIVVFK				Mascot

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1460.709	1460.6359	-0.0731	-50	71	83	GATSYADQMFLK			Oxidation (M)[9]	Mascot
1515.7491	1515.7649	0.0158	10	262	272	FWQHHYLNKDK				Mascot
1600.8152	1600.8541	0.0389	24	71	84	GATSYADQMFLKLR	25	12.827		Mascot
1600.8152	1600.8541	0.0389	24	71	84	GATSYADQMFLKLR				Mascot
1830.8798	1831.0667	0.1869	102	173	188	VVEVLSECCLLSYMAR			Oxidation (M)[14]	Mascot
1917.0084	1916.9781	-0.0303	-16	84	100	RGLLEHILFCIIDSGCK				Mascot
2273.0464	2273.1455	0.0991	44	301	319	TSPCAIISYIDEPYMELDR			Carbamidomethyl (C)[4]	Mascot
2289.0413	2289.1477	0.1064	46	301	319	TSPCAIISYIDEPYMELDR			Carbamidomethyl (C)[4], Oxidation (M)[15]	Mascot
2289.0413	2289.1477	0.1064	46	301	319	TSPCAIISYIDEPYMELDR			Carbamidomethyl (C)[4], Oxidation (M)[15]	Mascot
13	Trpc4apa protein [Danio rerio]			gi 157278955		36793.8	5.75	6	43	0 25 12.827

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1460.709	1460.6359	-0.0731	-50	65	77	GATSYADQMFLK			Oxidation (M)[9]	Mascot
1515.7491	1515.7649	0.0158	10	256	266	FWQHHYLNKDK				Mascot
1600.8152	1600.8541	0.0389	24	65	78	GATSYADQMFLKLR	25	12.827		Mascot
1600.8152	1600.8541	0.0389	24	65	78	GATSYADQMFLKLR				Mascot
1830.8798	1831.0667	0.1869	102	167	182	VVEVLSECCLLSYMAR			Oxidation (M)[14]	Mascot
1917.0084	1916.9781	-0.0303	-16	78	94	RGLLEHILFCIIDSGCK				Mascot
2273.0464	2273.1455	0.0991	44	295	313	TSPCAIISYIDEPYMELDR			Carbamidomethyl (C)[4]	Mascot
2289.0413	2289.1477	0.1064	46	295	313	TSPCAIISYIDEPYMELDR			Carbamidomethyl (C)[4], Oxidation (M)[15]	Mascot
2289.0413	2289.1477	0.1064	46	295	313	TSPCAIISYIDEPYMELDR			Carbamidomethyl (C)[4], Oxidation (M)[15]	Mascot
14	novel protein (sb:cb26) [Danio rerio]			gi 220673387		183117.1	6.17	19	41	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
835.4923	835.476	-0.0163	-20	815	821	SLFIDLK				Mascot
850.4668	850.5481	0.0813	96	1154	1161	AVSFLEGK				Mascot
882.4679	882.5712	0.1033	117	1026	1033	DEAIGHIK				Mascot
1148.6674	1148.5253	-0.1421	-124	50	59	NAFEVKITVK				Mascot
1256.613	1256.7491	0.1361	108	1034	1043	TGYNRQQAYR				Mascot

1403.7028	1403.7678	0.065	46	1367	1377	LTMDFFYKNPK						Mascot
1403.7028	1403.7678	0.065	46	1367	1377	LTMDFFYKNPK						Mascot
1419.6978	1419.7617	0.0639	45	1367	1377	LTMDFFYKNPK				Oxidation (M)[3]		Mascot
1419.6978	1419.7617	0.0639	45	1367	1377	LTMDFFYKNPK				Oxidation (M)[3]		Mascot
1448.8472	1448.9344	0.0872	60	1419	1431	ALSDRGSLLYLK						Mascot
1454.6224	1454.741	0.1186	82	711	721	AF LHCCDEM KK				Carbamidomethyl (C)[5,6], Oxidation (M)[9]		Mascot
1470.889	1470.7699	-0.1191	-81	289	302	IQILKGVGTAE LTK						Mascot
1473.7445	1473.6864	-0.0581	-39	1026	1038	DEAIGHIKTGYNR						Mascot
1473.8312	1473.6864	-0.1448	-98	596	607	LTQTKIWDVIEK						Mascot
1492.681	1492.7563	0.0753	50	1516	1528	ACESGMDYVYKVK						Mascot
1600.8363	1600.8541	0.0178	11	1138	1152	ELCGAIVGSLPESIR				Carbamidomethyl (C)[3]		Mascot
1600.8363	1600.8541	0.0178	11	1138	1152	ELCGAIVGSLPESIR				Carbamidomethyl (C)[3]		Mascot
1677.7611	1677.7407	-0.0204	-12	1513	1526	NIKACESGMDYVYK				Carbamidomethyl (C)[5]		Mascot
1857.9381	1857.8822	-0.0559	-30	209	224	FANTPQKTFTAEFEVK						Mascot
1916.7605	1916.9781	0.2176	114	1489	1504	GD MCQCAEENC SLQKK				Carbamidomethyl (C)[4,6], Oxidation (M)[3]		Mascot
2430.0596	2430.2925	0.2329	96	699	720	ATYIGDGPECVKAFLHCC DEMK						Mascot
2538.2466	2538.2896	0.043	17	1529	1550	VKDMELAADADIYQMEV EQVLK						Mascot
3969.0461	3968.8386	-0.2075	-52	779	814	AMYLKDSITTWQVLAVS MSPTLGICVAEPEEIVVFK						Mascot

15

glycerol-3-phosphate dehydrogenase 1 (soluble) [Danio rerio]

gi|47550789

38154.7

6.71

9

41

0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1460.6184	1460.6359	0.0175	12	38	48	MWVYEEMIDGR			Oxidation (M)[1,7]		Mascot
1528.6948	1528.7517	0.0569	37	161	175	FCETTIGATNEASGK					Mascot
1572.7185	1572.7897	0.0712	45	38	49	MWVYEEMIDGRK			Oxidation (M)[1]		Mascot
1783.9436	1783.834	-0.1096	-61	121	137	GIDEGPDGLTLISDIIR					Mascot
1916.9421	1916.9781	0.036	19	161	178	FCETTIGATNEASGKLFK					Mascot
2011.9541	2011.9922	0.0381	19	205	224	NIVAVGAGFC DGLGFGD NTK			Carbamidomethyl (C)[10]		Mascot
2158.0347	2158.064	0.0293	14	32	48	FEPLVKMWVYEEMIDGR			Oxidation (M)[7]		Mascot
2233.1089	2233.0981	-0.0108	-5	140	160	LEIEVCVLMGANIASEVA DEK					Mascot
2448.2361	2448.2031	-0.033	-13	138	160	AKLEIEVCVLMGANIASE VADEK			Oxidation (M)[11]		Mascot

16

PREDICTED: hypothetical protein LOC100537298 [Danio rerio]

gi|326667816

6120

8.38

6

40

0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1165.5895	1165.7506	0.1611	138	10	18 CLRVNYGQR			Carbamidomethyl (C)[1]		Mascot
	1165.5895	1165.7506	0.1611	138	10	18 CLRVNYGQR			Carbamidomethyl (C)[1]		Mascot
	1470.7191	1470.7699	0.0508	35	1	12 MAESSIFTRCLR			Carbamidomethyl (C)[10]		Mascot
	1619.7776	1619.7637	-0.0139	-9	38	51 VLSCMHLPTCAIMK			Carbamidomethyl (C)[4], Oxidation (M)[5]		Mascot
	1619.7776	1619.7637	-0.0139	-9	38	51 VLSCMHLPTCAIMK			Carbamidomethyl (C)[4], Oxidation (M)[5]		Mascot
	1916.9829	1916.9781	-0.0048	-3	38	54 VLSCMHLPTCAIMKVT			Carbamidomethyl (C)[4]		Mascot
	2011.8848	2011.9922	0.1074	53	19	36 CANDCPDVLNTAEQSL R					Mascot
	2225.0073	2225.1384	0.1311	59	19	37 CANDCPDVLNTAEQSL RR			Carbamidomethyl (C)[1]		Mascot
	2225.0073	2225.1384	0.1311	59	19	37 CANDCPDVLNTAEQSL RR			Carbamidomethyl (C)[1]		Mascot
17	novel zinc finger protein [Danio rerio]				gi 130496620		52184.8	6.71	13	40	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	835.4341	835.476	0.0419	50	141	147 SLQEKCK					Mascot
	974.491	974.5182	0.0272	28	104	111 QPVCLVCR			Carbamidomethyl (C)[4]		Mascot
	996.4818	996.6027	0.1209	121	67	74 NVCESFLK			Carbamidomethyl (C)[3]		Mascot
	1045.5887	1045.5658	-0.0229	-22	132	140 KEELNTALK					Mascot
	1165.6285	1165.7506	0.1221	105	95	103 LKLFCELEK			Carbamidomethyl (C)[5]		Mascot
	1165.6285	1165.7506	0.1221	105	95	103 LKLFCELEK			Carbamidomethyl (C)[5]		Mascot
	1454.746	1454.741	-0.005	-3	438	450 CFPSFRILASSVQ					Mascot
	1473.7961	1473.6864	-0.1097	-74	176	186 QQFEKLHQFLR					Mascot
	1473.7961	1473.6864	-0.1097	-74	176	186 QQFEKLHQFLR					Mascot
	1478.713	1478.7196	0.0066	4	20	32 TPVLLSCSHSFCCK			Carbamidomethyl (C)[7]		Mascot
	1492.6584	1492.7563	0.0979	66	81	94 SSGSEEICSLHSEK					Mascot
	1619.8248	1619.7637	-0.0611	-38	159	172 TAQHIKAQAEHTER					Mascot
	1619.8248	1619.7637	-0.0611	-38	159	172 TAQHIKAQAEHTER					Mascot
	1831.0337	1831.0667	0.033	18	116	131 HLKHTFRPISEVAPAK					Mascot
	2283.1345	2283.2026	0.0681	30	420	437 HLHTYTTFTHTLYPFRR					Mascot
	2798.3462	2798.3958	0.0496	18	20	42 TPVLLSCSHSFCCKELQ FWISK			Carbamidomethyl (C)[7,12]		Mascot

18 PREDICTED: hypothetical protein LOC797100 [Danio rerio]

gi|326681404 37240.7 5.09 7 39 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End Sequence	Ion	C. I. %	Modification	Rank	Result Type
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			Seq.		Seq.	Score				
	835.4164	835.476	0.0596	71	257	263	LICEMAR			Mascot
	974.5087	974.5182	0.0095	10	227	234	EGQVCLIR	Carbamidomethyl (C)[5]		Mascot
	1030.6003	1030.5532	-0.0471	-46	99	107	GSRTDLLLR			Mascot
	1030.6003	1030.5532	-0.0471	-46	99	107	GSRTDLLLR			Mascot
	1136.5074	1136.5818	0.0744	65	89	98	LCQECGLDAK	Carbamidomethyl (C)[2]		Mascot
	1419.675	1419.7617	0.0867	61	125	137	IWAASENPSSTEK			Mascot
	1419.675	1419.7617	0.0867	61	125	137	IWAASENPSSTEK	8	0	Mascot
	1830.9708	1831.0667	0.0959	52	282	298	ETPNNIVNGLP VHADLK			Mascot
	2169.9219	2170.0898	0.1679	77	245	263	DMDSHIGNACMKLICEMAR	Oxidation (M)[2, 11]		Mascot
	2210.9482	2211.1226	0.1744	79	245	263	DMDSHIGNACMKLICEMAR	Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
	2283.9646	2284.1956	0.231	101	245	263	DMDSHIGNACMKLICEMAR	Carbamidomethyl (C)[10, 15], Oxidation (M)[2, 11]		Mascot
19	IgLON family member 5 [Xenopus (Silurana) tropicalis]				gi 187608728	26279.4	8.49	7	38	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1473.6328	1473.6864	0.0536	36	181	192	HFGNYTCFASNR			Carbamidomethyl (C)[7]		Mascot	
1473.6328	1473.6864	0.0536	36	181	192	HFGNYTCFASNR			Carbamidomethyl (C)[7]		Mascot	
1600.7061	1600.8541	0.148	92	2	15	VADEGPYTCSFQAR			Carbamidomethyl (C)[9]		Mascot	
1600.7061	1600.8541	0.148	92	2	15	VADEGPYTCSFQAR			Carbamidomethyl (C)[9]		Mascot	
1853.0063	1853.015	0.0087	5	219	235	LSGVGLWFCLSI SVLMK					Mascot	
2170.0168	2170.0898	0.073	34	1	19	MVADEGPYTCSFQARNKPR					Mascot	
2284.2368	2284.1956	-0.0412	-18	109	129	VTVNYPPITDVK NMPAQVGK					Mascot	
2331.126	2331.2095	0.0835	36	130	149	TAILRCEAMAVPTASFEWYR			Oxidation (M)[9]		Mascot	
2719.3296	2719.3252	-0.0044	-2	170	192	SLLLFTNVTEKHFGNYTCFASNR			Carbamidomethyl (C)[18]		Mascot	

20 matrin 3-like [Danio rerio] gi|328447229 129210.8 4.95 15 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
876.4971	876.4282	-0.0689	-79	419	425	ELMAIRK			Oxidation (M)[3]		Mascot	
1045.5095	1045.5658	0.0563	54	68	77	AGSHISNTMK					Mascot	
1051.5935	1051.7194	0.1259	120	847	856	IGPFFGSAKK					Mascot	
1148.6278	1148.5253	-0.1025	-89	507	515	LIRMNLCTK			Carbamidomethyl (C)[7]		Mascot	

1393.6992	1393.7159	0.0167	12	1	12	MSQKLTSDDLQK											Mascot
1409.6941	1409.7487	0.0546	39	1	12	MSQKLTSDDLQK							Oxidation (M)[1]				Mascot
1454.7961	1454.741	-0.0551	-38	302	316	SDGLLGAAPIGSLQR											Mascot
1473.6283	1473.6864	0.0581	39	898	908	MRNECFIEMER							Oxidation (M)[1]				Mascot
1473.6903	1473.6864	-0.0039	-3	1125	1136	KIHCSQAHYDK							Carbamidomethyl (C)[4]				Mascot
1572.7917	1572.7897	-0.002	-1	834	846	VYHSHTYATIQR											Mascot
1661.9485	1661.7477	-0.2008	-121	438	451	RIVSQVVFNSLPR											Mascot
2211.1047	2211.1226	0.0179	8	814	833	AMVNFYSGNVLPSCGK PVR							Carbamidomethyl (C)[15], Oxidation (M)[2]				Mascot
2233.0894	2233.0981	0.0087	4	272	289	RLLQMYPDWDPQMPSS R											Mascot
2509.0315	2509.3057	0.2742	109	900	920	NECFIEMERGEDAEQMA EAYK							Oxidation (M)[7]				Mascot
3337.5754	3337.7844	0.209	63	1083	1111	LEPSTATLESYDPNPVVG VEFVKMGYYCR							Carbamidomethyl (C)[28], Oxidation (M)[24]				Mascot
3968.8137	3968.8386	0.0249	6	19	58	GLLAAATLNFSMGETHS DHFGSSQSRGGMSGL GGVDGK							Oxidation (M)[13]				Mascot

21 solute carrier family 25, member 32a [Danio rerio] gi|41053768 36048.6 9.25 7 37 0 10 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4318	864.5198	0.088	102	177	184	GMMDALVK					Mascot
1403.7642	1403.7678	0.0036	3	162	173	LVLQYNADPSRK					Mascot
1403.7642	1403.7678	0.0036	3	162	173	LVLQYNADPSRK					Mascot
1473.796	1473.6864	-0.1096	-74	185	196	IYRHEGIPGLYR					Mascot
1473.796	1473.6864	-0.1096	-74	185	196	IYRHEGIPGLYR					Mascot
1572.7441	1572.7897	0.0456	29	280	292	RTWSNEGVEGFYK					Mascot
1619.6685	1619.7637	0.0952	59	72	84	MRPQYDGMLDCMK	10	0	Oxidation (M)[1,12]		Mascot
1619.6685	1619.7637	0.0952	59	72	84	MRPQYDGMLDCMK			Oxidation (M)[1,8]		Mascot
1853.0432	1853.015	-0.0282	-15	248	263	IFAVAVTYPYQVVRAR					Mascot
2283.1226	2283.2026	0.08	35	281	300	TWSNEGVEGFYKGMVP NLVR					Mascot

22 catenin alpha-2 [Danio rerio] gi|226823293 95796.2 5.71 12 37 0 12 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
835.4091	835.476	0.0669	80	98	104	KQGDTMR					Mascot
974.5087	974.5182	0.0095	10	291	299	IVAECNAVR					Mascot
1030.6143	1030.5532	-0.0611	-59	2	11	TSATSPILLK					Mascot

1030.6143	1030.5532	-0.0611	-59	2	11	TSATSPILLK							Mascot
1045.571	1045.5658	-0.0052	-5	536	544	LLSETVMPR							Mascot
1132.5779	1132.5328	-0.0451	-40	164	174	DEMAAARGALK							Mascot
1148.5729	1148.5253	-0.0476	-41	164	174	DEMAAARGALK				Oxidation (M)[3]			Mascot
1419.6104	1419.7617	0.1513	107	159	170	DPQCRDEMAAAR				Carbamidomethyl (C)[4]			Mascot
1419.6104	1419.7617	0.1513	107	159	170	DPQCRDEMAAAR	12	0		Carbamidomethyl (C)[4]			Mascot
1619.8032	1619.7637	-0.0395	-24	742	754	IALLYCHQLNICK				Carbamidomethyl (C)[5,11]			Mascot
1619.8032	1619.7637	-0.0395	-24	742	754	IALLYCHQLNICK				Carbamidomethyl (C)[5,11]			Mascot
1661.7733	1661.7477	-0.0256	-15	718	732	LARAVADQCPDSACK				Carbamidomethyl (C)[9,14]			Mascot
1783.7015	1783.834	0.1325	74	677	690	QMCMMEMTDFTFTR				Oxidation (M)[2]			Mascot
1852.8857	1853.015	0.1293	70	300	315	QALQDLLSEYMNNTGR							Mascot
2211.0381	2211.1226	0.0845	38	267	287	LESIISGAALMADSSCTR DDR							Mascot
2273.1553	2273.1455	-0.0098	-4	484	504	CVIALQEGDVDTLDRTAG AIR				Carbamidomethyl (C)[1]			Mascot
2284.0544	2284.1956	0.1412	62	267	287	LESIISGAALMADSSCTR DDR				Carbamidomethyl (C)[16], Oxidation (M)[11]			Mascot
23	novel protein similar to human matrin 3 (MATR3) [Danio girerio]					157888662	127451.9	4.93	14	36	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
876.4971	876.4282	-0.0689	-79	419	425	ELMAIRK			Oxidation (M)[3]		Mascot
1045.5095	1045.5658	0.0563	54	68	77	AGSHISNTMK					Mascot
1148.6278	1148.5253	-0.1025	-89	507	515	LIRMNLCTK			Carbamidomethyl (C)[7]		Mascot
1393.6992	1393.7159	0.0167	12	1	12	MSQKLTSDDLQK					Mascot
1409.6941	1409.7487	0.0546	39	1	12	MSQKLTSDDLQK			Oxidation (M)[1]		Mascot
1454.7961	1454.741	-0.0551	-38	302	316	SDGLLGAAPIGSLQR					Mascot
1473.6283	1473.6864	0.0581	39	882	892	MRNECFIEMER			Oxidation (M)[1]		Mascot
1473.6903	1473.6864	-0.0039	-3	1109	1120	KIHCSQAHYDK			Carbamidomethyl (C)[4]		Mascot
1619.7925	1619.7637	-0.0288	-18	834	847	VYHSHTYATIQSGR					Mascot
1619.7925	1619.7637	-0.0288	-18	834	847	VYHSHTYATIQSGR					Mascot
1661.9485	1661.7477	-0.2008	-121	438	451	RIVSQVFFSNLPR					Mascot
2211.1047	2211.1226	0.0179	8	814	833	AMVNFYSGNVLPSVCGK PVR			Carbamidomethyl (C)[15], Oxidation (M)[2]		Mascot
2233.0894	2233.0981	0.0087	4	272	289	RLLQMYPDWDPMPPSS R					Mascot
2509.0315	2509.3057	0.2742	109	884	904	NECFIEMERGEDAEQMA EAYK			Oxidation (M)[7]		Mascot
3337.5754	3337.7844	0.209	63	1067	1095	LEPSTATLESYDPNPVVG VEFVKMGYYCR			Carbamidomethyl (C)[28], Oxidation (M)[24]		Mascot
3968.8137	3968.8386	0.0249	6	19	58	GLLAAETLNFSMGETHS			Oxidation (M)[13]		Mascot

		DHFGSSSQSRGGMSGL GGVDGK											
24	complement component C3A [Danio rerio]	gi 2935365	6910.4	9.23	4	36	0						
Peptide Information													
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
882.4679		882.5712	0.1033	117	27	34	DEAIGHIK						Mascot
1256.613		1256.7491	0.1361	108	35	44	TGYNRQQAYR						Mascot
1473.7445		1473.6864	-0.0581	-39	27	39	DEAIGHIKTGYNR						Mascot
1473.7445		1473.6864	-0.0581	-39	27	39	DEAIGHIKTGYNR						Mascot
2798.3528		2798.3958	0.043	15	1	24	FMTLPVIATHYLDSTNQW EAIGMK				Oxidation (M)[2,23]		Mascot
25	PREDICTED: hypothetical protein LOC324021 [Danio rerio]	gi 326681253	22209.7	5.13	2	36	0	27	44.616				
Peptide Information													
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1761.6448		1761.8429	0.1981	112	1	16	MHCCGSLYEGCSGGER	27	44.616		Carbamidomethyl (C)[3], Oxidation (M)[1]		Mascot
1761.6448		1761.8429	0.1981	112	1	16	MHCCGSLYEGCSGGER				Carbamidomethyl (C)[3], Oxidation (M)[1]		Mascot
3337.3911		3337.7844	0.3933	118	1	31	MHCCGSLYEGCSGGER SVSISMASFQHSSSR				Carbamidomethyl (C)[3]		Mascot
26	PREDICTED: diacylglycerol kinase beta-like, partial [Danio rerio]	gi 326674321	85995.9	6.78	12	35	0						
Peptide Information													
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
835.4672		835.476	0.0088	11	448	454	QVYNLAK						Mascot
842.4229		842.5167	0.0938	111	153	158	LEFMFR						Mascot
864.4032		864.5198	0.1166	135	455	462	SGPMPGYR						Mascot
1045.4264		1045.5658	0.1394	133	270	278	QGLCCSFCK				Carbamidomethyl (C)[4]		Mascot
1148.5404		1148.5253	-0.0151	-13	463	471	SCRTVEYYK						Mascot
1393.6265		1393.7159	0.0894	64	534	545	DVQDSSEVMLDR						Mascot
1409.6213		1409.7487	0.1274	90	534	545	DVQDSSEVMLDR				Oxidation (M)[9]		Mascot
1661.7192		1661.7477	0.0285	17	349	363	CASHVKPECDGSLR				Carbamidomethyl (C)[1]		Mascot
1830.8083		1831.0667	0.2584	141	270	284	QGLCCSFCKYTVHER				Carbamidomethyl (C)[4]		Mascot
2011.9463		2011.9922	0.0459	23	136	152	DMICYLSLLEGGRPEDK				Carbamidomethyl (C)[4], Oxidation (M)[2]		Mascot
2283.2488		2283.2026	-0.0462	-20	115	135	GSCPPLKVTSQSRPLSTV QLK				Carbamidomethyl (C)[3]		Mascot

	2284.0591	2284.1956	0.1365	60	153	171	LEFMFRLYDTDGNGLD SK					Oxidation (M)[4]	Mascot
	2448.053	2448.2031	0.1501	61	303	322	NTEIMHHFWVEGNCPSK CDK					Carbamidomethyl (C)[14], Oxidation (M)[5]	Mascot
27	threonine synthase-like 2 [Danio rerio]				gi 83025070		53047	6.03	9	35	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.3937	842.5167	0.123	146	2	7	RYCSTR			Carbamidomethyl (C)[3]		Mascot
876.4686	876.4282	-0.0404	-46	423	429	FQQAQVR					Mascot
1030.4808	1030.5532	0.0724	70	413	422	CCIATASPHK					Mascot
1030.4808	1030.5532	0.0724	70	413	422	CCIATASPHK					Mascot
1393.678	1393.7159	0.0379	27	340	350	SLMEEFQKTHK			Oxidation (M)[3]		Mascot
1409.6115	1409.7487	0.1372	97	455	465	CSDDWEETLRR					Mascot
1783.7626	1783.834	0.0714	40	450	464	CADLKCSDDWEETLR					Mascot
2225.2024	2225.1384	-0.064	-29	430	449	AGLTLELPESLQVLDQLE TR					Mascot
2225.2024	2225.1384	-0.064	-29	430	449	AGLTLELPESLQVLDQLE TR					Mascot
2273.1304	2273.1455	0.0151	7	53	70	QLLCEVCELFPEQEIPIR			Carbamidomethyl (C)[4,7]		Mascot
2538.2087	2538.2896	0.0809	32	401	422	HYQSPVRPGESRCCIAT ASPHK			Carbamidomethyl (C)[13,14]		Mascot

28	PREDICTED: tripartite motif-containing protein 35-like [Danio rerio]				gi 326678855		52250.8	6.48	12	34	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
835.4341	835.476	0.0419	50	141	147	SLQEKCK					Mascot
974.491	974.5182	0.0272	28	104	111	QPVCLVCR			Carbamidomethyl (C)[4]		Mascot
996.4818	996.6027	0.1209	121	67	74	NVCESFLK			Carbamidomethyl (C)[3]		Mascot
1045.5887	1045.5658	-0.0229	-22	132	140	KEELNTALK					Mascot
1165.6285	1165.7506	0.1221	105	95	103	LKLFCELDK			Carbamidomethyl (C)[5]		Mascot
1165.6285	1165.7506	0.1221	105	95	103	LKLFCELDK			Carbamidomethyl (C)[5]		Mascot
1470.6715	1470.7699	0.0984	67	330	343	CLCVLGSEGFNSGK			Carbamidomethyl (C)[1]		Mascot
1473.7961	1473.6864	-0.1097	-74	176	186	QQFEKLHQFLR					Mascot
1473.7961	1473.6864	-0.1097	-74	176	186	QQFEKLHQFLR					Mascot
1478.713	1478.7196	0.0066	4	20	32	TPVLLSCSHSFCK			Carbamidomethyl (C)[7]		Mascot
1492.6584	1492.7563	0.0979	66	81	94	SSGSEEICSLHSEK					Mascot
1619.8248	1619.7637	-0.0611	-38	159	172	TAQHIKAQAEHTER					Mascot

	1619.8248	1619.7637	-0.0611	-38	159	172	TAQHIKAQAEHTER							Mascot
	2282.9534	2283.2026	0.2492	109	369	386	GWGFFNSDVWCVCYGW SR					Carbamidomethyl (C)[11,13]		Mascot
	2798.3462	2798.3958	0.0496	18	20	42	TPVLLSCSHSFCKECLQQ FWISK					Carbamidomethyl (C)[7,12]		Mascot
29	TPA: erythropoietin receptor [Danio rerio]				gi 159885707		56496.1	5.22	9	34	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	850.4933	850.5481	0.0548	64	193	198	YKVWVR					Mascot
	996.4567	996.6027	0.146	147	107	114	DGQMLYNR					Mascot
	1030.5276	1030.5532	0.0256	25	325	332	LVRDEDQR					Mascot
	1030.5276	1030.5532	0.0256	25	325	332	LVRDEDQR					Mascot
	1132.4768	1132.5328	0.056	49	40	47	DFTCFWEK			Carbamidomethyl (C)[4]		Mascot
	1136.504	1136.5818	0.0778	68	163	172	YAVEDSHMGK					Mascot
	1152.499	1152.5769	0.0779	68	163	172	YAVEDSHMGK			Oxidation (M)[8]		Mascot
	1460.7897	1460.6359	-0.1538	-105	259	270	KLWPDIPTEHK					Mascot
	1492.804	1492.7563	-0.0477	-32	173	185	VEETKASTMLVLR			Oxidation (M)[9]		Mascot
	2011.9542	2011.9922	0.038	19	333	349	SDSGLTEPPHWLMEQLR			Oxidation (M)[13]		Mascot
	2618.0842	2618.304	0.2198	84	440	464	GPGYAYMAVADSGVSM DYSPMSSSR			Oxidation (M)[7,16]		Mascot

30	Shadoo protein [Danio rerio]				gi 37359664		13918	10.51	5	34	0			
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1030.5024	1030.5532	0.0508	49	79	86	RPDDRSEK	3	0			Mascot
	1030.5024	1030.5532	0.0508	49	79	86	RPDDRSEK					Mascot
	1165.6	1165.7506	0.1506	129	95	103	TNWELYLAR					Mascot
	1165.6	1165.7506	0.1506	129	95	103	TNWELYLAR					Mascot
	1830.9645	1831.0667	0.1022	56	117	132	LSALLLPINYYMHFAP					Mascot
	2490.2263	2490.2053	-0.021	-8	4	25	AVATCCIFLLLSAFLCDQV MSK			Carbamidomethyl (C)[5,6]		Mascot
	2719.3438	2719.3252	-0.0186	-7	4	28	AVATCCIFLLLSAFLCDQV MSKGGK			Carbamidomethyl (C)[5], Oxidation (M)[20]		Mascot

31	PREDICTED: zinc finger protein 91-like [Danio rerio]				gi 326670221		74732.2	9.59	13	34	0			
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	1136.5154	1136.5818	0.0664	58	74	83	SFNCSSHLNK						Mascot
	1409.6743	1409.7487	0.0744	53	270	281	SFSCLSHLNHHK						Mascot
	1454.6879	1454.741	0.0531	37	567	578	EKPFTCTQCGKR			Carbamidomethyl (C)[6]			Mascot
	1478.7421	1478.7196	-0.0225	-15	242	254	SFSLSSSLNIHMR						Mascot
	1515.7411	1515.7649	0.0238	16	382	394	SFSHSSSLNRHTR						Mascot
	1600.7649	1600.8541	0.0892	56	102	114	SFSQLSNLHQHMR			Oxidation (M)[12]			Mascot
	1600.7649	1600.8541	0.0892	56	102	114	SFSQLSNLHQHMR			Oxidation (M)[12]			Mascot
	1619.7668	1619.7637	-0.0031	-2	255	269	IHTGEKPFACTQCGK						Mascot
	1619.7668	1619.7637	-0.0031	-2	255	269	IHTGEKPFACTQCGK						Mascot
	1661.8138	1661.7477	-0.0661	-40	59	73	IHTGEKPFICTQCGK						Mascot
	1761.8159	1761.8429	0.027	15	367	381	IHTGEKPFACTQCGR			Carbamidomethyl (C)[10,13]			Mascot
	1761.8523	1761.8429	-0.0094	-5	619	633	IHTGEKPFRECTQCGK			Carbamidomethyl (C)[10]			Mascot
	1783.7811	1783.834	0.0529	30	2	17	MSHTGEKPFLCTECGK			Oxidation (M)[1]			Mascot
	2158.0103	2158.064	0.0537	25	364	381	HMKIHTGEKPFACTQCG R			Carbamidomethyl (C)[13,16]			Mascot
	3337.4717	3337.7844	0.3127	94	18	45	SFSCSSHLNQHMRVHTG EKPFTCTQCGK			Carbamidomethyl (C)[4,23,26], Oxidation (M)[12]			Mascot
32	PREDICTED: transformation/transcription domain-associated protein [Danio rerio]				gi 326672350		433471.2	8.52	28	34	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5155	882.5712	0.0557	63	2182	2189	AVHSLLSR					Mascot
1030.6044	1030.5532	-0.0512	-50	2608	2615	LWKILSDR					Mascot
1030.6044	1030.5532	-0.0512	-50	2608	2615	LWKILSDR					Mascot
1045.5095	1045.5658	0.0563	54	3604	3612	EVQGNMVPR			Oxidation (M)[6]		Mascot
1132.553	1132.5328	-0.0202	-18	1696	1704	FLCNMTFLK			Oxidation (M)[5]		Mascot
1136.5253	1136.5818	0.0565	50	2020	2030	GMSVDSAQDVK					Mascot
1152.5295	1152.5769	0.0474	41	3815	3823	MDPAWHPWL					Mascot
1165.5817	1165.7506	0.1689	145	606	615	VANCQTVRMK			Oxidation (M)[9]		Mascot
1165.5817	1165.7506	0.1689	145	606	615	VANCQTVRMK			Oxidation (M)[9]		Mascot
1256.6018	1256.7491	0.1473	117	941	950	SANTEPYRR					Mascot
1393.6991	1393.7159	0.0168	12	728	740	IVNSSMELAQSAK			Oxidation (M)[6]		Mascot
1409.7648	1409.7487	-0.0161	-11	2032	2045	FRTAAGAVGTVFGR					Mascot
1419.7527	1419.7617	0.009	6	1832	1843	LMTFAWPCLLPK					Mascot
1419.7527	1419.7617	0.009	6	1832	1843	LMTFAWPCLLPK					Mascot
1448.8293	1448.9344	0.1051	73	1147	1159	LGGVVSIFLMER					Mascot
1470.6967	1470.7699	0.0732	50	958	970	CFLVAMTSLEDNK					Mascot

1473.8365	1473.6864	-0.1501	-102	2600	2610	TWVQLFPRLWK						Mascot
1473.8365	1473.6864	-0.1501	-102	2600	2610	TWVQLFPRLWK						Mascot
1492.769	1492.7563	-0.0127	-9	1832	1843	LMTFAWPCLLPK				Carbamidomethyl (C)[8], Oxidation (M)[2]		Mascot
1515.7988	1515.7649	-0.0339	-22	3099	3112	AFSAAVQMHDVLVK						Mascot
1600.8689	1600.8541	-0.0148	-9	2365	2377	SILLVKMMTYIEK				Oxidation (M)[7,8]		Mascot
1600.8689	1600.8541	-0.0148	-9	2365	2377	SILLVKMMTYIEK				Oxidation (M)[7,8]		Mascot
1619.7893	1619.7637	-0.0256	-16	1950	1962	HHLVQHMISAMQR				Oxidation (M)[7,11]		Mascot
1619.7893	1619.7637	-0.0256	-16	1950	1962	HHLVQHMISAMQR				Oxidation (M)[7,11]		Mascot
1661.7839	1661.7477	-0.0362	-22	3311	3326	CYSVAFEKSGAVSDAK						Mascot
2158.0486	2158.064	0.0154	7	931	949	AIETALDCLKSANTEPYR						Mascot
2170.1655	2170.0898	-0.0757	-35	1678	1695	NYSEIELLFQLLRAFTGR						Mascot
2211.0977	2211.1226	0.0249	11	619	637	EVLEHFAGVFTMMNPLTFK						Mascot
2273.1707	2273.1455	-0.0252	-11	3778	3798	AVTAIMTRLHNLAQFEGG						Mascot
2283.0981	2283.2026	0.1045	46	3617	3634	EWALHTFPNATDYWTFRK						Mascot
2284.1384	2284.1956	0.0572	25	1175	1196	ALLFVMMDLTGEVSNGA				Oxidation (M)[6]		Mascot
2289.1655	2289.1477	-0.0178	-8	3778	3798	AVTAIMTRLHNLAQFEGG				Oxidation (M)[6]		Mascot
2289.1655	2289.1477	-0.0178	-8	3778	3798	AVTAIMTRLHNLAQFEGG				Oxidation (M)[6]		Mascot
2331.2715	2331.2095	-0.062	-27	3635	3654	MFTIQLALIGLAEFMLHLNR						Mascot
2448.238	2448.2031	-0.0349	-14	2103	2122	TALRPDMWPSSSELKLQWF						Mascot
2470.2798	2470.1809	-0.0989	-40	3273	3293	ELHPTLLSSLEGIVDQMV						Mascot
2798.3481	2798.3958	0.0477	17	1075	1098	GMDPLVLIDAIACMAYEEKELCK				Carbamidomethyl (C)[14,23], Oxidation (M)[2]		Mascot

33 MAWD binding protein-like [Danio rerio] gi|57524661 31690.2 5.89 7 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
864.4308	864.5198	0.089	103	186	193	SETTGEIK				Mascot
1419.7729	1419.7617	-0.0112	-8	173	185	FTSLSPVAEDLLK				Mascot
1419.7729	1419.7617	-0.0112	-8	173	185	FTSLSPVAEDLLK	3	0		Mascot
1478.7242	1478.7196	-0.0046	-3	159	170	WLMIRLADSCDR				Mascot
1916.9786	1916.9781	-0.0005	0	141	158	AVVGDLPIDVCYSPALR				Mascot
2283.1768	2283.2026	0.0258	11	194	214	SVIVTIKGNAPNAQPGYDF				Mascot
2470.2646	2470.1809	-0.0837	-34	14	35	VPFKGNPAAVCLLENELQ			Carbamidomethyl (C)[11]	Mascot
2509.1777	2509.3057	0.128	51	113	133	QHEDSIIMDFPLNTPQPQ				Mascot

34 PREDICTED: voltage-dependent calcium channel
gamma-3 subunit-like [Danio rerio] DQR
gi|68360472 34310.1 9.42 4 33 0 23 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1132.5779	1132.5328	-0.0451	-40	275	285	AAMGALLNSER					Mascot
1148.5729	1148.5253	-0.0476	-41	275	285	AAMGALLNSER			Oxidation (M)[3]		Mascot
1419.6533	1419.7617	0.1084	76	239	252	SSEPASRDASPMGK					Mascot
1419.6533	1419.7617	0.1084	76	239	252	SSEPASRDASPMGK	23	0			Mascot
1473.6647	1473.6864	0.0217	15	66	78	TCCLEGTFRGVCK			Carbamidomethyl (C)[2]		Mascot
1473.6647	1473.6864	0.0217	15	66	78	TCCLEGTFRGVCK			Carbamidomethyl (C)[2]		Mascot
2538.1782	2538.2896	0.1114	44	79	99	KIDHFPEDADYEQDAAEY LLR					Mascot

35 serpin peptidase inhibitor, clade B (ovalbumin), member 1, like 3 [Danio rerio] gi|41053961 42585.3 5.18 8 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
876.4608	876.4282	-0.0326	-37	74	80	LLTEMNR					Mascot
1165.6979	1165.7506	0.0527	45	160	169	LVLVNAVYFK					Mascot
1165.6979	1165.7506	0.0527	45	160	169	LVLVNAVYFK					Mascot
1419.7478	1419.7617	0.0139	10	250	261	ALTLETLDWTR					Mascot
1419.7478	1419.7617	0.0139	10	250	261	ALTLETLDWTR					Mascot
1478.7283	1478.7196	-0.0087	-6	353	364	FCADHPFLMLIR			Oxidation (M)[9]		Mascot
1600.7502	1600.8541	0.1039	65	176	187	FLEEHTHEQQFR					Mascot
1600.7502	1600.8541	0.1039	65	176	187	FLEEHTHEQQFR					Mascot
2448.1248	2448.2031	0.0783	32	52	73	DQMSQTLHFDGAESQIH AGFTK					Mascot
2618.3799	2618.304	-0.0759	-29	203	225	GRFPLAFIPDVNCQILELP YAGK			Carbamidomethyl (C)[13]		Mascot
3337.5576	3337.7844	0.2268	68	52	80	DQMSQTLHFDGAESQIH AGFTKLLTEMNR			Oxidation (M)[3,27]		Mascot

36 Mediator of cell motility 1 [Danio rerio] gi|160774203 33443.4 6.35 7 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.4536	996.6027	0.1491	150	1	8	MSNRMVCR					Mascot
1148.5629	1148.5253	-0.0376	-33	238	246	KYHNTICGR			Carbamidomethyl (C)[7]		Mascot

	1473.8788	1473.6864	-0.1924	-131	247	260	HPIGVLLNAVAELK										Mascot
	1473.8788	1473.6864	-0.1924	-131	247	260	HPIGVLLNAVAELK										Mascot
	2210.9592	2211.1226	0.1634	74	262	280	NGIDMNFSFLNYAQSSQ CR				Oxidation (M)[5]						Mascot
	2284.1716	2284.1956	0.024	11	219	238	MGMGIIEQLDPISFSNYLK K										Mascot
	2509.1519	2509.3057	0.1538	61	199	218	YTTYDESQGEIYRSIEHL DK										Mascot
	3968.7966	3968.8386	0.042	11	262	297	NGIDMNFSFLNYAQSSQ CRNWSDDSSVSYAAGALI VH				Oxidation (M)[5]						Mascot
37	PREDICTED: retrotransposable element Tf2 155 kDa protein type 1-like [Danio rerio]					gi 326673646	147767	9.63	15	33	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.421	864.5198	0.0988	114	74	81	TAGFSEPR					Mascot
996.5043	996.6027	0.0984	99	903	911	LACHPGVSR			Carbamidomethyl (C)[3]		Mascot
1030.5714	1030.5532	-0.0182	-18	1189	1197	TVCNKLAPK			Carbamidomethyl (C)[3]		Mascot
1030.5714	1030.5532	-0.0182	-18	1189	1197	TVCNKLAPK			Carbamidomethyl (C)[3]		Mascot
1256.7684	1256.7491	-0.0193	-15	1149	1159	QTLLQVGLRTK					Mascot
1403.6953	1403.7678	0.0725	52	814	825	FDFSISYRPGSK					Mascot
1403.6953	1403.7678	0.0725	52	814	825	FDFSISYRPGSK					Mascot
1454.713	1454.741	0.028	19	931	943	NFVLACSVCAVSK			Carbamidomethyl (C)[6,9]		Mascot
1492.7518	1492.7563	0.0045	3	920	930	FWWPVMARDIR			Oxidation (M)[6]		Mascot
1572.8744	1572.7897	-0.0847	-54	884	896	LFVPEELRSDVIR					Mascot
1677.7499	1677.7407	-0.0092	-5	143	157	LPCCSSFDTFSTELK					Mascot
1831.084	1831.0667	-0.0173	-9	1198	1214	FIGPFSVTKIISPAVR					Mascot
1853.0028	1853.015	0.0122	7	1002	1018	LPSARETAAVIDHVFR					Mascot
2157.9988	2158.064	0.0652	30	1272	1289	GRGFQYLVDWEGYGPE ER					Mascot
2448.2253	2448.2031	-0.0222	-9	317	340	SQSPTQAIDSGAEGNFID SALVK					Mascot
2618.3684	2618.304	-0.0644	-25	1007	1030	ETAAAVIDHVFRIHGLPTD VVSDR					Mascot
2798.3486	2798.3958	0.0472	17	259	285	SPFPAVTVVPGQEATPLA DPEGMQMGR			Oxidation (M)[23]		Mascot

38 Erythropoietin receptor [Danio rerio] gi|190337418 57852.8 5.53 9 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4933	850.5481	0.0548	64	204	209	YKVVWR					Mascot

	996.4567	996.6027	0.146	147	118	125	DGQMLYNR										Mascot
	1030.5276	1030.5532	0.0256	25	336	343	LVRDEDQR										Mascot
	1030.5276	1030.5532	0.0256	25	336	343	LVRDEDQR										Mascot
	1132.4768	1132.5328	0.056	49	51	58	DFTCFWEK					Carbamidomethyl (C)[4]					Mascot
	1136.504	1136.5818	0.0778	68	174	183	YAVEDSHMGK										Mascot
	1152.499	1152.5769	0.0779	68	174	183	YAVEDSHMGK					Oxidation (M)[8]					Mascot
	1460.7897	1460.6359	-0.1538	-105	270	281	KLWPDIPTPEHK										Mascot
	1492.804	1492.7563	-0.0477	-32	184	196	VEETKASTMLVLR					Oxidation (M)[9]					Mascot
	2011.9542	2011.9922	0.038	19	344	360	SDSGLTEPPHWLMEQLR					Oxidation (M)[13]					Mascot
	2618.0842	2618.304	0.2198	84	451	475	GPGYAYMAVADSGVSM DYSPMSSSR					Oxidation (M)[7,16]					Mascot
39	PREDICTED: transmembrane protein 136-like [Danio rerio]				gi 125837712	27021.8	8.05	6	32	0							

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.4719	996.6027	0.1308	131	218	224	YQVWMNR					Mascot
1030.5581	1030.5532	-0.0049	-5	143	150	WFLKHSGR					Mascot
1030.5581	1030.5532	-0.0049	-5	143	150	WFLKHSGR					Mascot
1393.6926	1393.7159	0.0233	17	227	238	MMAEVNGLNVKR			Oxidation (M)[1,2]		Mascot
1470.7556	1470.7699	0.0143	10	225	237	HKMMAEVNGLNVK					Mascot
2448.2883	2448.2031	-0.0852	-35	151	171	YDSILGDVVDILFVALFVF MR			Oxidation (M)[20]		Mascot
3968.8665	3968.8386	-0.0279	-7	1	36	MSPLVLGVGVCLAGWIAL YALLCYTNGSCGYEWNC R			Carbamidomethyl (C)[11], Oxidation (M)[1]		Mascot

40 Retinal pigment epithelium-specific protein b [Danio rerio] gi|62132948 34488.1 6.37 7 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
835.3944	835.476	0.0816	98	299	305	YINNPSQ					Mascot
850.4417	850.5481	0.1064	125	70	76	FDLKDGR					Mascot
864.4131	864.5198	0.1067	123	217	224	SDPLAMSK			Oxidation (M)[6]		Mascot
1152.6082	1152.5769	-0.0313	-27	199	208	NMSLAYNIVK					Mascot
1460.7314	1460.6359	-0.0955	-65	1	13	MVSRLEHPAGGYK			Oxidation (M)[1]		Mascot
2170.0847	2170.0898	0.0051	2	14	33	KVFESCEELAEPIAHVS GK					Mascot
2798.3606	2798.3958	0.0352	13	45	69	MGPGLFEIGDEPFNHLFD GQALIHK			Oxidation (M)[1]		Mascot

41 novel protein similar to tyrosine hydroxylase (th) [Danio rerio] gi|56207960 54280 5.7 9 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5206	842.5167	-0.0039	-5	468	475	ALGRLGQK					Mascot
1030.5463	1030.5532	0.0069	7	451	459	IQNALGQMR					Mascot
1030.5463	1030.5532	0.0069	7	451	459	IQNALGQMR					Mascot
1256.6521	1256.7491	0.097	77	74	84	AGKVFETFETK					Mascot
1403.7212	1403.7678	0.0466	33	214	225	TLRSLYPSHACR					Mascot
1403.7212	1403.7678	0.0466	33	214	225	TLRSLYPSHACR					Mascot
1460.7427	1460.6359	-0.1068	-73	214	225	TLRSLYPSHACR			Carbamidomethyl (C)[11]		Mascot
1473.6791	1473.6864	0.0073	5	98	109	RSSGEDLEFFMR					Mascot
1473.6791	1473.6864	0.0073	5	98	109	RSSGEDLEFFMR					Mascot
1478.7096	1478.7196	0.01	7	179	190	RGFISEMAFNKY			Oxidation (M)[7]		Mascot
1600.8363	1600.8541	0.0178	11	145	158	KISDLDTCNHLITK					Mascot
1600.8363	1600.8541	0.0178	11	145	158	KISDLDTCNHLITK					Mascot
1852.9221	1853.015	0.0929	50	1	17	FSMKSDSIAQNVPLSGR			Oxidation (M)[3]		Mascot
2283.979	2284.1956	0.2166	95	159	177	YDPDLQDHPGFSDSEY RK					Mascot

42 PREDICTED: zinc finger protein 729 [Danio rerio] gi|326668180 104096.8 9.15 18 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1030.5568	1030.5532	-0.0036	-3	91	99	SFAYKSSLK	6	0			Mascot
1030.5568	1030.5532	-0.0036	-3	91	99	SFAYKSSLK					Mascot
1045.5387	1045.5658	0.0271	26	511	519	CYSTALFLK					Mascot
1136.5339	1136.5818	0.0479	42	44	52	SVACFHCKK			Carbamidomethyl (C)[4,7]		Mascot
1148.6721	1148.5253	-0.1468	-128	212	220	IHMLIHTRK					Mascot
1403.6082	1403.7678	0.1596	114	253	263	CEECGKFFAQK			Carbamidomethyl (C)[1,4]		Mascot
1403.6082	1403.7678	0.1596	114	253	263	CEECGKFFAQK			Carbamidomethyl (C)[1,4]		Mascot
1470.7457	1470.7699	0.0242	16	54	65	FTCKAHLQVHMR					Mascot
1497.6614	1497.7661	0.1047	70	111	123	HTCDQCGKSFPFK					Mascot
1619.7246	1619.7637	0.0391	24	631	642	CFTFTHCWKSFR			Carbamidomethyl (C)[1]		Mascot
1619.7246	1619.7637	0.0391	24	631	642	CFTFTHCWKSFR			Carbamidomethyl (C)[1]		Mascot
1761.7795	1761.8429	0.0634	36	799	813	CSHCDTSFSQIQHLR	1	0			Mascot

	1761.7795	1761.8429	0.0634	36	799	813	CSHCDTSFSQIQHLR							Mascot
	1852.807	1853.015	0.208	112	613	627	IQNHHHDEGEHDQTR							Mascot
	1916.9244	1916.9781	0.0537	28	387	403	EVKPYTCDQCGKGFTLK							Mascot
	2170.0281	2170.0898	0.0617	28	674	692	EHTRIHTGEKPFACAQCG K	Carbamidomethyl (C)[14]						Mascot
	2233.031	2233.0981	0.0671	30	184	202	IHMLIHTGEKPECDQCG K	Carbamidomethyl (C)[14]						Mascot
	2284.0459	2284.1956	0.1497	66	799	817	CSHCDTSFSQIQHLRTHQ R							Mascot
	2289.105	2289.1477	0.0427	19	156	174	IHMLIHTGEKPHKCDQCG K	Carbamidomethyl (C)[14,17]						Mascot
	2289.105	2289.1477	0.0427	19	156	174	IHMLIHTGEKPHKCDQCG K	Carbamidomethyl (C)[14,17]						Mascot
	2430.1111	2430.2925	0.1814	75	694	714	FGCSSNLKQHMMTHTGE KPHK	Oxidation (M)[11,12]						Mascot
	2719.2749	2719.3252	0.0503	18	180	202	GEVKIHMLIHTGEKPECDQCGK	Carbamidomethyl (C)[18,21], Oxidation (M)[7]						Mascot
	2798.2695	2798.3958	0.1263	45	124	146	VYLEQHMLIHTGETLHECDQCGK	Carbamidomethyl (C)[18,21]						Mascot

43 calcium-binding mitochondrial carrier protein
SCaMC-2-A [Danio rerio] gi|47086085 52424 8.79 9 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4981	842.5167	0.0186	22	253	260	IAPETALK					Mascot
876.4244	876.4282	0.0038	4	202	209	TCTAPLDR					Mascot
1045.5023	1045.5658	0.0635	61	261	268	FMAYEQIK			Oxidation (M)[2]		Mascot
1256.6238	1256.7491	0.1253	100	212	222	VLMQVHGCQGK			Carbamidomethyl (C)[8]		Mascot
1497.8029	1497.7661	-0.0368	-25	210	222	LKVLMQVHGCQGK			Carbamidomethyl (C)[10]		Mascot
1515.7039	1515.7649	0.061	40	223	235	SMCLMSGLTQMIK			Carbamidomethyl (C)[3], Oxidation (M)[2]		Mascot
1852.9877	1853.015	0.0273	15	253	268	IAPETALKFMAYEQIK					Mascot
2430.3755	2430.2925	-0.083	-34	446	467	VIPAVSISYVVYEHKSTL GVR					Mascot
2618.2622	2618.304	0.0418	16	405	428	MQAQASVEGSSQVSMT GLFKQIMK			Oxidation (M)[1,15]		Mascot

44 Zgc:103710 protein [Danio rerio] gi|115291999 35746.4 5.67 7 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
835.4308	835.476	0.0452	54	210	216	FTNTPQK					Mascot
850.4338	850.5481	0.1143	134	66	72	NLEIMSK			Oxidation (M)[5]		Mascot
1473.7559	1473.6864	-0.0695	-47	193	205	YMVPQPASPGIWK					Mascot
1473.7559	1473.6864	-0.0695	-47	193	205	YMVPQPASPGIWK					Mascot

	1761.8993	1761.8429	-0.0564	-32	190	205	SGKYMVPQPASPGIWK					Oxidation (M)[5]	Mascot
	1761.8993	1761.8429	-0.0564	-32	190	205	SGKYMVPQPASPGIWK					Oxidation (M)[5]	Mascot
	1916.96	1916.9781	0.0181	9	304	320	QTILQTFPDISQPSVEN						Mascot
	2490.1619	2490.2053	0.0434	17	258	279	Y LHGNNVNGHAFVVFGV MEDDR						Mascot
	2618.2568	2618.304	0.0472	18	258	280	Y LHGNNVNGHAFVVFGV MEDDRK						Mascot

45 PREDICTED: hypothetical protein LOC100535704 [Danio rerio] gi|326676179 16043 4.68 1 32 0 27 47.714

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1403.8257	1403.7678	-0.0579	-41	113	123	EIIYLDRQILK					Mascot
1403.8257	1403.7678	-0.0579	-41	113	123	EIIYLDRQILK	27	47.714			Mascot

46 complement component 3-like isoform 1 [Danio rerio] gi|153792045 188748 7.66 17 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5206	842.5167	-0.0039	-5	516	523	GKIIQAGR					Mascot
1132.568	1132.5328	-0.0352	-31	27	35	RTVWGPNMNR			Oxidation (M)[8]		Mascot
1256.627	1256.7491	0.1221	97	1058	1067	GYENQLNYKK					Mascot
1478.5991	1478.7196	0.1205	81	694	704	DQLEYDYMEEK			Oxidation (M)[8]		Mascot
1515.8451	1515.7649	-0.0802	-53	862	875	STPSVNVVMVILEK					Mascot
1600.8845	1600.8541	-0.0304	-19	124	136	YVKLVAQFSNIYR					Mascot
1600.8845	1600.8541	-0.0304	-19	124	136	YVKLVAQFSNIYR					Mascot
1661.9696	1661.7477	-0.2219	-134	61	75	QNILVEGHNLAKVVK					Mascot
1853.0167	1853.015	-0.0017	-1	269	284	LEVEITARYLYGAQVK					Mascot
2012.0658	2011.9922	-0.0736	-37	259	276	TSHLSLDAEKLEVEITAR					Mascot
2158.1763	2158.064	-0.1123	-52	2	19	LLQLLLWATLLCQICDGK			Carbamidomethyl (C)[12,15]		Mascot
2233.1533	2233.0981	-0.0552	-25	911	932	TGELPLQVTAVAASF MGQDAVK					Mascot
2289.2168	2289.1477	-0.0691	-30	1	19	MLLQLLLWATLLCQICDG K			Carbamidomethyl (C)[13,16]		Mascot
2289.2168	2289.1477	-0.0691	-30	1	19	MLLQLLLWATLLCQICDG K			Carbamidomethyl (C)[13,16]		Mascot
2331.2588	2331.2095	-0.0493	-21	855	875	NSTLEVRSTPSVNV MVI LEK			Oxidation (M)[16]		Mascot
2448.0442	2448.2031	0.1589	65	650	673	DNMGVFS DAGLMFHSST GGSTDSK					Mascot
2470.2581	2470.1809	-0.0772	-31	1190	1212	LTRPYTAAIACYALAV SN NACVK			Carbamidomethyl (C)[11]		Mascot
2618.46	2618.304	-0.156	-60	406	428	VTFLKRPISVHSGTINI HIN			Oxidation (M)[21]		Mascot

	2798.4797	2798.3958	-0.0839	-30	1571	1593	MPK VKLISISQSHYYQYEMEIV QVIK							Mascot
47	PREDICTED: transcriptional repressor NF-X1-like [Danio rerio]				gi 326669534	93150.5	8.23	17	31	0				

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type	
842.4301	842.5167	0.0866	103	442	448	LSCGLHR			Carbamidomethyl (C)[3]		Mascot		
882.4614	882.5712	0.1098	124	552	559	LLPCGSHR					Mascot		
1148.5074	1148.5253	0.0179	16	336	346	ACTDPIPCGK			Carbamidomethyl (C)[2]		Mascot		
1393.5544	1393.7159	0.1615	116	156	168	TEIPHSCGDMCGK			Oxidation (M)[10]		Mascot		
1403.7311	1403.7678	0.0367	26	785	798	SACPNTSLAALISR					Mascot		
1403.7311	1403.7678	0.0367	26	785	798	SACPNTSLAALISR					Mascot		
1409.6035	1409.7487	0.1452	103	667	678	LECDQECATLER					Mascot		
1460.7526	1460.6359	-0.1167	-80	785	798	SACPNTSLAALISR			Carbamidomethyl (C)[3]		Mascot		
1478.7454	1478.7196	-0.0258	-17	312	325	LVRSCSCGQTPLSK					Mascot		
1497.6638	1497.7661	0.1023	68	620	633	ETVPCADAASSYQR					Mascot		
1572.6884	1572.7897	0.1013	64	8	21	GAEEEGERPEEANR					Mascot		
1619.6975	1619.7637	0.0662	41	156	169	TEIPHSCGDMCGKK			Carbamidomethyl (C)[7,11]		Mascot		
1619.6975	1619.7637	0.0662	41	156	169	TEIPHSCGDMCGKK			Carbamidomethyl (C)[7,11]		Mascot		
1761.7175	1761.8429	0.1254	71	420	433	HKCGELCCVDMEHK			Carbamidomethyl (C)[3,7], Oxidation (M)[11]		Mascot		
1761.7175	1761.8429	0.1254	71	420	433	HKCGELCCVDMEHK			Carbamidomethyl (C)[3,7], Oxidation (M)[11]		Mascot		
1783.76	1783.834	0.074	41	270	285	KFDGSGYFSCCKPCGK			Carbamidomethyl (C)[10]		Mascot		
1857.8226	1857.8822	0.0596	32	434	448	CSMICGYKLSCGLHR			Carbamidomethyl (C)[1,5,11], Oxidation (M)[3]		Mascot		
2169.8933	2170.0898	0.1965	91	294	311	CQQSCHPGECQPCPLSPK			Carbamidomethyl (C)[1,5,10,13]		Mascot		
2272.9771	2273.1455	0.1684	74	391	409	EVPCAAIQTEEDMVFTCEK			Carbamidomethyl (C)[4,17], Oxidation (M)[13]		Mascot		
2283.8704	2284.1956	0.3252	142	422	441	CGELCCVDMEHKCSMICGYK			Oxidation (M)[9,15]		Mascot		
2538.1467	2538.2896	0.1429	56	294	314	CQQSCHPGECQPCPLSPKLVR			Carbamidomethyl (C)[1,5,10,13]		Mascot		

48	novel protein similar to vertebrate complement component 3 (C3) [Danio rerio]				gi 169153736	187400.5	8.04	17	31	0			
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Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type	
835.4494	835.476	0.0266	32	140	146	VMPVSFR					Mascot		
842.5206	842.5167	-0.0039	-5	516	523	GKIIQAGR					Mascot		

	1132.6361	1132.5328	-0.1033	-91	431	440	IPYGNSQILK												Mascot
	1256.627	1256.7491	0.1221	97	1068	1077	GYENQLNYKK												Mascot
	1515.8451	1515.7649	-0.0802	-53	862	875	STPSVNVVMVILEK												Mascot
	1528.739	1528.7517	0.0127	8	169	181	GFVSDLEFRSSER												Mascot
	1600.8845	1600.8541	-0.0304	-19	124	136	YVKLVAQFSNIYR												Mascot
	1600.8845	1600.8541	-0.0304	-19	124	136	YVKLVAQFSNIYR												Mascot
	1661.9696	1661.7477	-0.2219	-134	61	75	QNILVEGHNLAKVVK												Mascot
	1853.0167	1853.015	-0.0017	-1	269	284	LEVEITARYLYGAQVK												Mascot
	2012.0658	2011.9922	-0.0736	-37	259	276	TSHLSLDAEKLEVEITAR												Mascot
	2158.1914	2158.064	-0.1274	-59	411	429	RPISVHSGTINIHNMPKK						Oxidation (M)[16]						Mascot
	2233.1533	2233.0981	-0.0552	-25	911	932	TGELPLQVTAVAASFMG QDAVK												Mascot
	2331.2588	2331.2095	-0.0493	-21	855	875	NSTLEVRSTPSVNVVMV LEK						Oxidation (M)[16]						Mascot
	2448.0442	2448.2031	0.1589	65	650	673	DNMGVFS DAGLMFHSST GGSTDSK												Mascot
	2470.2581	2470.1809	-0.0772	-31	1200	1222	LTRPYTAAIACYALAVSN NACVK						Carbamidomethyl (C)[11]						Mascot
	2618.46	2618.304	-0.156	-60	406	428	VTFLKRPISVHSGTINIHN MPK						Oxidation (M)[21]						Mascot
	2798.4797	2798.3958	-0.0839	-30	1559	1581	VKLISISQSHYYQYEMEIV QVIK												Mascot

49

PREDICTED: phospholipase C-like 2, partial [Danio rerio]

gi|292630098

111384

5.95

1

21

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1403.829	1403.7678	-0.0612	-44	248	260	KSISLCTAVQLIK	23	0		3	Mascot

50

PREDICTED: serine/threonine-protein kinase pim-3-like [Danio rerio]

gi|292621981

33318.9

6.25

1

18

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1419.7703	1419.7617	-0.0086	-6	160	173	GGSLGETVARGLFR	18	0		3	Mascot

Gel Idx/Pos	196/H23	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	alpha-aminoadipic semialdehyde dehydrogenase [Danio rerio]	gi 47086597	55568.2	5.94	18	443	100	328	100

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
942.5479	942.5549	0.007	7	88	95	QIGEARLR					Mascot
982.5356	982.5555	0.0199	20	73	81	VWADVPAPK					Mascot
1107.5286	1107.5391	0.0105	9	253	261	QVAMMVQER				Oxidation (M)[4]	Mascot
1123.5234	1123.5309	0.0075	7	253	261	QVAMMVQER				Oxidation (M)[4,5]	Mascot
1230.6729	1230.6799	0.007	6	501	511	DLPLAQGIKFE					Mascot
1402.7689	1402.7797	0.0108	8	239	252	VGLLSFTGSTHVGK					Mascot
1460.6512	1460.64	-0.0112	-8	473	486	HTGGGREGSGSDSWK					Mascot
1509.8015	1509.7767	-0.0248	-16	97	110	IKALGSLMSLEMGK				Oxidation (M)[8,12]	Mascot
1523.7588	1523.7728	0.014	9	54	66	QATIAEYEETIQK					Mascot
1560.838	1560.8516	0.0136	9	348	361	QAVQQYLAAIEQAK	82	100			Mascot
1560.838	1560.8516	0.0136	9	348	361	QAVQQYLAAIEQAK					Mascot
1582.7019	1582.8284	0.1265	80	412	424	TEEEAFSWNNEVK					Mascot
1706.853	1706.8643	0.0113	7	308	321	LMLHESIHDDEVVER					Mascot
1718.9113	1718.9227	0.0114	7	2	15	STLLINQPEYNWLK	69	99.997			Mascot
1718.9113	1718.9227	0.0114	7	2	15	STLLINQPEYNWLK					Mascot
1722.8479	1722.8663	0.0184	11	308	321	LMLHESIHDDEVVER				Oxidation (M)[2]	Mascot
1857.8654	1857.8779	0.0125	7	410	424	FKTEEEAFSWNNEVK	91	100			Mascot
1857.8654	1857.8779	0.0125	7	410	424	FKTEEEAFSWNNEVK					Mascot
1862.9541	1862.9628	0.0087	5	307	321	RLMLHESIHDDEVVER					Mascot
1878.949	1878.9661	0.0171	9	307	321	RLMLHESIHDDEVVER				Oxidation (M)[3]	Mascot
1923.96	1923.9751	0.0151	8	331	347	IGDPWDPNTLYGPLHTK	86	100			Mascot
1923.96	1923.9751	0.0151	8	331	347	IGDPWDPNTLYGPLHTK					Mascot
2506.1877	2506.2161	0.0284	11	447	472	GSDCGIVNVNIPTSGAEI GGAFGGEK				Carbamidomethyl (C)[4]	Mascot
3355.4556	3355.4919	0.0363	11	21	51	EDNDGVYNGSWGQGGE VVTSYCPANNEPIAR				Carbamidomethyl (C)[22]	Mascot
3895.7827	3895.8374	0.0547	14	16	51	ELGLKEDNDGVYNGSW GGQGEVVTSYCPANNEP IAR				Carbamidomethyl (C)[27]	Mascot

2 PREDICTED: alpha-(1,3)-fucosyltransferase-like [Danio gii|292612044
erio]

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
850.4451	850.5497	0.1046	123	231	237	ETLTRCK					Mascot

	982.5138	982.5555	0.0417	42	336	343	ACQYIRTK						Mascot
	1169.5619	1169.6438	0.0819	70	70	79	KFDLNSCSAK			Carbamidomethyl (C)[7]			Mascot
	1185.6738	1185.6406	-0.0332	-28	209	218	KHIDIYALGR						Mascot
	1303.61	1303.772	0.162	124	325	335	LVSYPEEHACR						Mascot
	1582.8071	1582.8284	0.0213	13	223	235	QLSDTQYKETLTR						Mascot
	1761.874	1761.8502	-0.0238	-14	184	197	DKLVCWIVSNWNER						Mascot
	2284.2739	2284.1958	-0.0781	-34	51	69	EKPLENSTILLIWIWPF GK						Mascot
	2284.2739	2284.1958	-0.0781	-34	51	69	EKPLENSTILLIWIWPF GK						Mascot
	2297.0762	2297.2095	0.1333	58	238	255	FYLSFENTNLHYDYITEK						Mascot
	2528.1802	2528.1924	0.0122	5	236	255	CKFYLSFENTNLHYDYIT EK						Mascot
3	Sb:cb283 protein [Danio rerio]				gi 81097694		57058.3	8.43	12	44	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1062.5691	1062.6975	0.1284	121	101	110	FRDAAANGIK					Mascot
	1107.5728	1107.5391	-0.0337	-30	1	9	GLLDFCRAR			Carbamidomethyl (C)[6]		Mascot
	1123.5167	1123.5309	0.0142	13	438	445	REDYEFHK					Mascot
	1169.6201	1169.6438	0.0237	20	207	216	VAEYVQSVFK					Mascot
	1279.6437	1279.7867	0.143	112	244	254	CANAVPRHQAR			Carbamidomethyl (C)[1]		Mascot
	1582.724	1582.8284	0.1044	66	54	67	APLQDYSADVCCIK			Carbamidomethyl (C)[11]		Mascot
	1619.9227	1619.7642	-0.1585	-98	68	82	DEVVLRVPGLPGNR					Mascot
	1761.9493	1761.8502	-0.0991	-56	423	438	AGEVLGDLFEVSTIRR					Mascot
	1903.9265	1903.9333	0.0068	4	234	250	EYPCLAAVNRCANAVPR			Carbamidomethyl (C)[4]		Mascot
	2025.9116	2025.9406	0.029	14	83	99	LVCSCTGPVNRDYDDVR			Carbamidomethyl (C)[3,5]		Mascot
	2211.0276	2211.1243	0.0967	44	354	373	VGNTDAEGRMVMVDLLC EMK					Mascot
	2211.0276	2211.1243	0.0967	44	354	373	VGNTDAEGRMVMVDLLC EMK					Mascot
	2283.2642	2283.2009	-0.0633	-28	112	132	ALKAGLQRPLLVCPPNSS YAK			Carbamidomethyl (C)[13]		Mascot
	2284.0439	2284.1958	0.1519	67	354	373	VGNTDAEGRMVMVDLLC EMK			Carbamidomethyl (C)[17], Oxidation (M)[10]		Mascot
	2284.0439	2284.1958	0.1519	67	354	373	VGNTDAEGRMVMVDLLC EMK			Carbamidomethyl (C)[17], Oxidation (M)[10]		Mascot
	2300.0388	2300.1975	0.1587	69	354	373	VGNTDAEGRMVMVDLLC EMK			Carbamidomethyl (C)[17], Oxidation (M)[10,12]		Mascot

4 hypothetical protein LOC767682 [Danio rerio] gi|115495185 55486.4 7.89 11 41 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	1062.5691	1062.6975	0.1284	121	88	97	FRDAAANGIK										Mascot
	1123.5167	1123.5309	0.0142	13	425	432	REDYEFHK										Mascot
	1169.6201	1169.6438	0.0237	20	194	203	VAEYVQSVFK										Mascot
	1279.6437	1279.7867	0.143	112	231	241	CANAVPRHQAR					Carbamidomethyl (C)[1]					Mascot
	1582.724	1582.8284	0.1044	66	41	54	APLQDYSAVDCCIK					Carbamidomethyl (C)[11]					Mascot
	1619.9227	1619.7642	-0.1585	-98	55	69	DEVVVLRLVPLPGNR										Mascot
	1761.9493	1761.8502	-0.0991	-56	410	425	AGEVLGDLFEVSTIRR										Mascot
	1903.9265	1903.9333	0.0068	4	221	237	EYPCLAAVNRCANAVPR					Carbamidomethyl (C)[4]					Mascot
	2025.9116	2025.9406	0.029	14	70	86	LVCSCTGPVNRDYDDVR					Carbamidomethyl (C)[3,5]					Mascot
	2211.0276	2211.1243	0.0967	44	341	360	VGNTDAEGRMVMVDLLC EMK										Mascot
	2211.0276	2211.1243	0.0967	44	341	360	VGNTDAEGRMVMVDLLC EMK										Mascot
	2283.2642	2283.2009	-0.0633	-28	99	119	ALKAGLQRPLLVCPPNSS YAK					Carbamidomethyl (C)[13]					Mascot
	2284.0439	2284.1958	0.1519	67	341	360	VGNTDAEGRMVMVDLLC EMK					Carbamidomethyl (C)[17], Oxidation (M)[10]					Mascot
	2284.0439	2284.1958	0.1519	67	341	360	VGNTDAEGRMVMVDLLC EMK					Carbamidomethyl (C)[17], Oxidation (M)[10]					Mascot
	2300.0388	2300.1975	0.1587	69	341	360	VGNTDAEGRMVMVDLLC EMK					Carbamidomethyl (C)[17], Oxidation (M)[10,12]					Mascot
5	PREDICTED: zinc finger protein 271-like [Danio rerio] gi 326666948 40261.5 9.08 11 39 0																

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	996.4641	996.6023	0.1382	139	233	241	LFTCPQCGK					Mascot
	996.4641	996.6023	0.1382	139	233	241	LFTCPQCGK					Mascot
	1185.5358	1185.6406	0.1048	88	298	307	NFYCSSHLSK					Mascot
	1230.5063	1230.6799	0.1736	141	64	73	NCFICTQCGK			Carbamidomethyl (C)[2,5]		Mascot
	1574.7493	1574.7871	0.0378	24	270	282	SFSQSSHLNKHMR			Oxidation (M)[12]		Mascot
	1706.7988	1706.8643	0.0655	38	314	328	IHTGEKPFCTQCGK			Carbamidomethyl (C)[10]		Mascot
	1718.8352	1718.9227	0.0875	51	227	241	IHTGEKLFTCPQCGK			Carbamidomethyl (C)[10]		Mascot
	1718.8352	1718.9227	0.0875	51	227	241	IHTGEKLFTCPQCGK			Carbamidomethyl (C)[10]		Mascot
	1722.7938	1722.8663	0.0725	42	115	129	IHTGEKPYTCTQCGK			Carbamidomethyl (C)[10]		Mascot
	1862.8015	1862.9628	0.1613	87	64	78	NCFICTQCGKSLSCK			Carbamidomethyl (C)[2,5,8,14]		Mascot
	2193.9912	2194.1267	0.1355	62	83	101	IHMMIHTGEKPFCTQCGK			Oxidation (M)[3,4]		Mascot
	2211.0723	2211.1243	0.052	24	214	232	SFSLSSNLNHHMRIHTGEK			Oxidation (M)[12]		Mascot
	2211.0723	2211.1243	0.052	24	214	232	SFSLSSNLNHHMRIHTGEK			Oxidation (M)[12]		Mascot
	2247.0776	2247.1389	0.0613	27	21	38	QEDLQEQTIELIENKWSK					Mascot

6 aldehyde dehydrogenase 2 precursor [Danio rerio] gi|20339358 56526.6 6.05 10 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
848.51	848.5325	0.0225	27	2	8	LRAVFSR					Mascot
864.4243	864.5179	0.0936	108	407	413	DDMKIAR			Oxidation (M)[3]		Mascot
1051.6146	1051.7208	0.1062	101	368	377	KVLGYISSGK					Mascot
1402.6572	1402.7797	0.1225	87	144	154	CLRYAGWADK			Carbamidomethyl (C)[1]		Mascot
1460.6984	1460.64	-0.0584	-40	379	393	EGAKLMCGAPAAER					Mascot
1619.7522	1619.7642	0.012	7	159	171	TIPIDGNYFCYTR			Carbamidomethyl (C)[10]		Mascot
1761.833	1761.8502	0.0172	10	324	337	TFVQESIYDEFVER					Mascot
2026.0239	2025.9406	-0.0833	-41	436	454	ANDSKYGLAAVFTQNIDK					Mascot
2233.0771	2233.1045	0.0274	12	324	341	TFVQESIYDEFVERSVR					Mascot
2741.345	2741.3174	-0.0276	-10	52	77	TFPTINPATAEVICHVAEGDKADVVK					Mascot

7 LOC561115 protein [Danio rerio] gi|124481604 94397 5.22 13 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
942.5441	942.5549	0.0108	11	365	373	LIQVPAACK					Mascot
996.5108	996.6023	0.0915	92	149	157	AVEENAHVK					Mascot
996.5108	996.6023	0.0915	92	149	157	AVEENAHVK					Mascot
1106.5299	1106.5522	0.0223	20	760	767	WQMEQEKK					Mascot
1523.7371	1523.7728	0.0357	23	497	510	DLGMKDSSISTNQK					Mascot
1560.9108	1560.8516	-0.0592	-38	130	142	FQLLIKNTDVTR					Mascot
1560.9108	1560.8516	-0.0592	-38	130	142	FQLLIKNTDVTR					Mascot
1718.7902	1718.9227	0.1325	77	407	421	QEPDSPVLSTEVDNR			Oxidation (M)[14]		Mascot
1718.7902	1718.9227	0.1325	77	407	421	QEPDSPVLSTEVDNR			Oxidation (M)[14]		Mascot
1722.9061	1722.8663	-0.0398	-23	71	84	RLFSVLSWEDTLEK					Mascot
1740.8877	1740.9028	0.0151	9	96	110	TKDVPMFFEVTEVAK					Mascot
1857.8734	1857.8779	0.0045	2	707	722	ENAVYVICHNPMSPQR					Mascot
1857.8734	1857.8779	0.0045	2	707	722	ENAVYVICHNPMSPQR					Mascot
2040.9297	2040.9497	0.02	10	25	41	SWETSLSAVFEENEWR					Mascot
2211.0872	2211.1243	0.0371	17	355	373	QYCHYLSSMRLIQVPAACK					Mascot
2211.0872	2211.1243	0.0371	17	355	373	QYCHYLSSMRLIQVPAACK					Mascot

	2233.031	2233.1045	0.0735	33	707	725	ENAVYVICHNPMSQRS CK		Carbamidomethyl (C)[8]		Mascot
	2284.1714	2284.1958	0.0244	11	52	71	AEDEQLIGSLVQAVQQP MRR		Oxidation (M)[18]		Mascot
	2284.1714	2284.1958	0.0244	11	52	71	AEDEQLIGSLVQAVQQP MRR		Oxidation (M)[18]		Mascot
8	PREDICTED: zinc finger and BTB domain-containing protein 17-like [Danio rerio]					gi 326679165	95241.3	5.8	13	36	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4825	864.5179	0.0354	41	51	57	TLFLDQK					Mascot
942.4275	942.5549	0.1274	135	849	856	VHSESQQQ					Mascot
1045.5425	1045.5698	0.0273	26	531	540	AFADPGALQR					Mascot
1107.5277	1107.5391	0.0114	10	201	210	SESEAERATK					Mascot
1123.5565	1123.5309	-0.0256	-23	447	456	AFSDPTAKMR					Mascot
1169.4939	1169.6438	0.1499	128	466	474	GHKCQHCDK			Carbamidomethyl (C)[4,7]		Mascot
1460.6863	1460.64	-0.0463	-32	666	678	RLVVAEDDDGEDK					Mascot
1523.7787	1523.7728	-0.0059	-4	37	50	AHKAVLAACSSYFR					Mascot
1543.7234	1543.8207	0.0973	63	163	176	TEETHEAVSNVAEK					Mascot
1862.8635	1862.9628	0.0993	53	348	362	IHTGEKPFTCRDCNK			Carbamidomethyl (C)[10,13]		Mascot
2194.0579	2194.1267	0.0688	31	513	530	HLRVHSGEKPFCMHCR			Oxidation (M)[14]		Mascot
2247.0103	2247.1389	0.1286	57	372	390	AHEKTHSPVKPYCCSTC GK			Carbamidomethyl (C)[13,14,17]		Mascot
2298.0012	2298.2048	0.2036	89	748	767	VQEADPNTQILYACDSC GEK			Carbamidomethyl (C)[14,17]		Mascot

9 mitogen-activated protein kinase 1 [Danio rerio] gi|40254655 42048.5 6.32 8 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4362	864.5179	0.0817	95	363	369	FQPGYRP					Mascot
1107.5681	1107.5391	-0.029	-26	354	362	ELIFEETAR					Mascot
1303.7732	1303.772	-0.0012	-1	271	281	NYLLSLPLRSK					Mascot
1523.7675	1523.7728	0.0053	3	201	212	WYRAPEIMLSNK			Oxidation (M)[8]		Mascot
1878.928	1878.9661	0.0381	20	65	79	ISPFEHQTYCQRTLRL					Mascot
2040.9767	2040.9497	-0.027	-13	2	24	ATAAVSAPAGGPNPGS GAEMVR			Oxidation (M)[21]		Mascot
2246.9844	2247.1389	0.1545	69	34	54	YSNLSYIGGGAYGMVCS AYDR					Mascot
2719.3945	2719.3137	-0.0808	-30	217	240	SIDIWSVGCILAEMLSNR PIFPGK			Carbamidomethyl (C)[9], Oxidation (M)[14]		Mascot
2719.3945	2719.3137	-0.0808	-30	217	240	SIDIWSVGCILAEMLSNR			Carbamidomethyl (C)[9], Oxidation (M)[14]		Mascot

10 PREDICTED: layilin [Danio rerio] PIFPGK
gi|326668116 39321.9 5.6 8 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
982.4662	982.5555	0.0893	91	10	17	GTEKPCYK			Carbamidomethyl (C)[6]		Mascot
1156.5602	1156.6102	0.05	43	1	9	MFSQQICKR			Oxidation (M)[1]		Mascot
1509.6467	1509.7767	0.13	86	92	103	YYWMDGSPATFR			Oxidation (M)[4]		Mascot
1619.7958	1619.7642	-0.0316	-20	252	265	CNSPSPDVYNVIRR					Mascot
1706.8442	1706.8643	0.0201	12	39	54	SDGGDLLSIESKTEQK					Mascot
1722.8882	1722.8663	-0.0219	-13	265	279	RQHESDLAGTRPDIK					Mascot
2719.1187	2719.3137	0.195	72	81	103	GYEENGNCSSKYWMD GSPATFR			Carbamidomethyl (C)[8]		Mascot
2719.1187	2719.3137	0.195	72	81	103	GYEENGNCSSKYWMD GSPATFR			Carbamidomethyl (C)[8]		Mascot
3897.2576	3896.8367	-0.4209	-108	190	226	TVVSGLPDNALNIAYIVLP TIPLLLLLVVATGVFCFK					Mascot

11 novel protein [Danio rerio] gi|148725296 79374.4 6.72 11 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.477	848.5325	0.0555	65	506	512	MRLIGSR			Oxidation (M)[1]		Mascot
864.4937	864.5179	0.0242	28	433	439	EVFRVSK					Mascot
982.4992	982.5555	0.0563	57	534	541	GYIIPNQK					Mascot
1156.6685	1156.6102	-0.0583	-50	349	359	EILTAARPGTK					Mascot
1165.6034	1165.756	0.1526	131	225	234	FCEQAVTIVR					Mascot
1165.6034	1165.756	0.1526	131	225	234	FCEQAVTIVR					Mascot
1460.7566	1460.64	-0.1166	-80	331	343	EMQAAIVLQAGWK			Oxidation (M)[2]		Mascot
1722.8778	1722.8663	-0.0115	-7	221	234	ACLRFCQAVTIVR			Carbamidomethyl (C)[2,6]		Mascot
1862.8523	1862.9628	0.1105	59	389	404	HMVNTNGEGIAELYPCR			Carbamidomethyl (C)[15], Oxidation (M)[2]		Mascot
1878.9708	1878.9661	-0.0047	-3	140	156	ESSTRPGSLTAKPFSWK					Mascot
2283.1875	2283.2009	0.0134	6	447	466	MFSPIPVCILHVINNDTLE K					Mascot
2528.2812	2528.1924	-0.0888	-35	367	388	TLQEMWASVESDVEKHA VSLLR					Mascot

12 Sb:cb283 protein [Danio rerio] gi|45709356 55978.7 8.16 10 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	1062.5691	1062.6975	0.1284	121	92	101	FRDAAANGIK						Mascot
	1123.5167	1123.5309	0.0142	13	429	436	REDYEFHK						Mascot
	1169.6201	1169.6438	0.0237	20	198	207	VAEYVQSVFK						Mascot
	1279.6437	1279.7867	0.143	112	235	245	CANAVPRHQAR	Carbamidomethyl (C)[1]					Mascot
	1582.724	1582.8284	0.1044	66	45	58	APLQDYSAVDCCIK	Carbamidomethyl (C)[11]					Mascot
	1619.9227	1619.7642	-0.1585	-98	59	73	DEVVVLRLVPLPGNR						Mascot
	1761.9493	1761.8502	-0.0991	-56	414	429	AGEVLGDLFEVSTIRR						Mascot
	1903.9265	1903.9333	0.0068	4	225	241	EYPCLAAVNRCANAVPR	Carbamidomethyl (C)[4]					Mascot
	2025.9116	2025.9406	0.029	14	74	90	LVCSTGPVNRDYDDVR	Carbamidomethyl (C)[3,5]					Mascot
	2211.0276	2211.1243	0.0967	44	345	364	VGNTDAEGRMVMVDLLC EMK						Mascot
	2211.0276	2211.1243	0.0967	44	345	364	VGNTDAEGRMVMVDLLC EMK						Mascot
	2284.0439	2284.1958	0.1519	67	345	364	VGNTDAEGRMVMVDLLC EMK	Carbamidomethyl (C)[17], Oxidation (M)[10]					Mascot
	2284.0439	2284.1958	0.1519	67	345	364	VGNTDAEGRMVMVDLLC EMK	Carbamidomethyl (C)[17], Oxidation (M)[10]					Mascot
	2300.0388	2300.1975	0.1587	69	345	364	VGNTDAEGRMVMVDLLC EMK	Carbamidomethyl (C)[17], Oxidation (M)[10,12]					Mascot
13	shadow of prion protein precursor [Danio rerio]					gi 99028940	13848.9	10.26	5	33	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1165.6	1165.756	0.156	134	95	103 TNWELYLAR					Mascot
	1165.6	1165.756	0.156	134	95	103 TNWELYLAR					Mascot
	1862.9543	1862.9628	0.0085	5	117	132 LSALLLPINYYMMHFAP			Oxidation (M)[11,12]		Mascot
	2506.2212	2506.2161	-0.0051	-2	4	25 AVATCCIFLLLSAFLCDQV MSK			Carbamidomethyl (C)[5,6], Oxidation (M)[20]		Mascot
	2719.3438	2719.3137	-0.0301	-11	4	28 AVATCCIFLLLSAFLCDQV MSKGGR			Carbamidomethyl (C)[5], Oxidation (M)[20]		Mascot
	2719.3438	2719.3137	-0.0301	-11	2	25 NRAVATCCIFLLLSAFLCD QVMSK			Carbamidomethyl (C)[7], Oxidation (M)[22]		Mascot

14 PREDICTED: glycerophosphodiester phosphodiesterase domain-containing protein 1-like [Danio rerio]

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1230.7568	1230.6799	-0.0769	-62	133	142 RFVLLENVLK					Mascot
	1279.7521	1279.7867	0.0346	27	249	258 NRFVVYLLQK					Mascot
	1460.7216	1460.64	-0.0816	-56	37	47 LEFYCRHISHR					Mascot
	1706.7448	1706.8643	0.1195	70	193	205 QNPSPMPYMFTMRR			Oxidation (M)[5,8,11]		Mascot

1740.8989	1740.9028	0.0039	2	235	248	IINRTYIPEEAYMK						Mascot
1862.842	1862.9628	0.1208	65	190	204	CLKQNPSMPYMTMR			Oxidation (M)[8]			Mascot
1878.8369	1878.9661	0.1292	69	190	204	CLKQNPSMPYMTMR			Oxidation (M)[8,11]			Mascot
1903.8685	1903.9333	0.0648	34	190	204	CLKQNPSMPYMTMR			Carbamidomethyl (C)[1]			Mascot
2297.1052	2297.2095	0.1043	45	174	192	EHITVWASEEHEVMAKC LK			Carbamidomethyl (C)[17]			Mascot
2506.3447	2506.2161	-0.1286	-51	134	154	FVLLENVLKNFPNMPMTL EIK			Oxidation (M)[14]			Mascot
3897.1646	3896.8367	-0.3279	-84	1	33	MDTVSWVLLLCCLAVLFYV VCSLFLLRYPLILHK			Oxidation (M)[1]			Mascot

15 Shadoo protein [Danio rerio] gi|37359664 13918 10.51 5 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1165.6	1165.756	0.156	134	95	103	TNWELYLAR					Mascot
1165.6	1165.756	0.156	134	95	103	TNWELYLAR					Mascot
1862.9543	1862.9628	0.0085	5	117	132	LSALLLPINYYMMHFAP			Oxidation (M)[11,12]		Mascot
2506.2212	2506.2161	-0.0051	-2	4	25	AVATCCIFLLLSAFLCDQV MSK			Carbamidomethyl (C)[5,6], Oxidation (M)[20]		Mascot
2719.3438	2719.3137	-0.0301	-11	4	28	AVATCCIFLLLSAFLCDQV MSKGGR			Carbamidomethyl (C)[5], Oxidation (M)[20]		Mascot
2719.3438	2719.3137	-0.0301	-11	2	25	NRAVATCCIFLLLSAFLCD QVMSK			Carbamidomethyl (C)[7], Oxidation (M)[22]		Mascot

16 PREDICTED: transformation/transcription domain-associated protein [Danio rerio] gi|326672350 433471.2 8.52 28 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.4083	848.5325	0.1242	146	3257	3263	ATAPMWR			Oxidation (M)[5]		Mascot
882.5155	882.5728	0.0573	65	2182	2189	AVHSLLSR					Mascot
1045.5095	1045.5698	0.0603	58	3604	3612	EVQGNMVPR			Oxidation (M)[6]		Mascot
1106.5952	1106.5522	-0.043	-39	2034	2045	TAAGAVGTVFGR					Mascot
1165.5817	1165.756	0.1743	150	606	615	VANCQTVRMK			Oxidation (M)[9]		Mascot
1165.5817	1165.756	0.1743	150	606	615	VANCQTVRMK			Oxidation (M)[9]		Mascot
1169.6677	1169.6438	-0.0239	-20	3327	3336	ITPHTLNFVK					Mascot
1185.5061	1185.6406	0.1345	113	2167	2178	GIAACMTCGNTK			Oxidation (M)[6]		Mascot
1303.6641	1303.772	0.1079	83	3368	3379	AQATAQDPVFQK					Mascot
1402.7623	1402.7797	0.0174	12	108	119	SHAKNILSVMFR					Mascot
1448.8293	1448.9343	0.105	72	1147	1159	LGGVVSIFLIMER					Mascot
1509.7076	1509.7767	0.0691	46	1311	1322	LFTMDLNVMEHK			Oxidation (M)[4,9]		Mascot

	1543.8124	1543.8207	0.0083	5	1666	1677	LLAFCLLSYCKR		Carbamidomethyl (C)[5,10]	Mascot	
	1560.8455	1560.8516	0.0061	4	793	805	DLFVELCLTVPVR		Carbamidomethyl (C)[7]	Mascot	
	1560.8455	1560.8516	0.0061	4	793	805	DLFVELCLTVPVR		Carbamidomethyl (C)[7]	Mascot	
	1619.7893	1619.7642	-0.0251	-15	1950	1962	HHLVQHMISAMQR		Oxidation (M)[7,11]	Mascot	
	1707.0164	1706.8643	-0.1521	-89	330	344	ELLIAAKHILTTDLR			Mascot	
	1718.8054	1718.9227	0.1173	68	3311	3326	CYSVAFEKSGAVSDAK		Carbamidomethyl (C)[1]	Mascot	
	1718.8054	1718.9227	0.1173	68	3311	3326	CYSVAFEKSGAVSDAK		Carbamidomethyl (C)[1]	Mascot	
	1722.903	1722.8663	-0.0367	-21	3039	3053	QQVKCYLQLAGVMGK		Carbamidomethyl (C)[5]	Mascot	
	1903.8928	1903.9333	0.0405	21	3489	3504	IYPYLVMNDACTESR		Oxidation (M)[7]	Mascot	
	1924.0031	1923.9751	-0.028	-15	541	557	TLVCGVKITITWGITSCK		Carbamidomethyl (C)[4,16]	Mascot	
	1924.0031	1923.9751	-0.028	-15	541	557	TLVCGVKITITWGITSCK		Carbamidomethyl (C)[4,16]	Mascot	
	2009.8903	2010.0215	0.1312	65	1382	1400	ALNSTNSELQEAGEACM GK		Carbamidomethyl (C)[16]	Mascot	
	2025.8851	2025.9406	0.0555	27	1382	1400	ALNSTNSELQEAGEACM GK		Carbamidomethyl (C)[16], Oxidation (M)[17]	Mascot	
	2211.0977	2211.1243	0.0266	12	619	637	EVLEHFAGVFTMMNPLTF K			Mascot	
	2211.0977	2211.1243	0.0266	12	619	637	EVLEHFAGVFTMMNPLTF K			Mascot	
	2230.0769	2230.2168	0.1399	63	1323	1341	VFYTELLNLCEAEDAALM K		Carbamidomethyl (C)[10]	Mascot	
	2283.0981	2283.2009	0.1028	45	3617	3634	EWALHTFPNATDYWTFR K			Mascot	
	2284.0908	2284.1958	0.105	46	1075	1094	GMDPLVLIDAIACMAYEE K		Carbamidomethyl (C)[14], Oxidation (M)[2,15]	Mascot	
	2284.1384	2284.1958	0.0574	25	1175	1196	ALLFVMMDLTGEVSNGA VAMAK		Oxidation (M)[6]	Mascot	
	2297.0537	2297.2095	0.1558	68	1696	1713	FLCNMTFLKEYMEEIIPK		Oxidation (M)[5,12]	Mascot	
	2300.1335	2300.1975	0.064	28	1175	1196	ALLFVMMDLTGEVSNGA VAMAK		Oxidation (M)[6,7]	Mascot	
	2741.3269	2741.3174	-0.0095	-3	1075	1098	GMDPLVLIDAIACMAYEE KELCK		Carbamidomethyl (C)[14], Oxidation (M)[2]	Mascot	
	3355.6641	3355.4919	-0.1722	-51	3099	3127	AFSAAVQMHDVLVKAWA MWGDYLENIFVK		Oxidation (M)[8]	Mascot	
17	MOV10-like 1 [Danio rerio]				gi 116268043		122527.1	5.89	14	32	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
1045.5021	1045.5698	0.0677	65	19	26	RAQEEEQR					Mascot	
1106.6204	1106.5522	-0.0682	-62	493	502	EFSLTGAILR					Mascot	
1230.5419	1230.6799	0.138	112	327	338	CEDGGTEAPPVR					Mascot	
1460.847	1460.64	-0.207	-142	855	868	LASVFGLGVSLLR					Mascot	
1560.6824	1560.8516	0.1692	108	352	365	MCVCVCCTAKTLGR			Carbamidomethyl (C)[2], Oxidation (M)[1]		Mascot	
1560.6824	1560.8516	0.1692	108	352	365	MCVCVCCTAKTLGR			Carbamidomethyl (C)[2], Oxidation (M)[1]		Mascot	

	1582.8158	1582.8284	0.0126	8	907	919	LFYAGELCVRAQR		Carbamidomethyl (C)[8]	Mascot	
	1718.8795	1718.9227	0.0432	25	935	949	GFPLIFHGVRGSEMR		Oxidation (M)[14]	Mascot	
	1718.8795	1718.9227	0.0432	25	935	949	GFPLIFHGVRGSEMR		Oxidation (M)[14]	Mascot	
	1862.8378	1862.9628	0.125	67	1078	1092	EPCFSALLQYSYDNR		Carbamidomethyl (C)[3]	Mascot	
	1923.8535	1923.9751	0.1216	63	755	770	VNATCRPEESMSEELR		Carbamidomethyl (C)[5], Oxidation (M)[11]	Mascot	
	1923.8535	1923.9751	0.1216	63	755	770	VNATCRPEESMSEELR		Carbamidomethyl (C)[5], Oxidation (M)[11]	Mascot	
	2233.1807	2233.1045	-0.0762	-34	1	18	MVSVVQCLMSRLLWPLWR		Oxidation (M)[1]	Mascot	
	2247.239	2247.1389	-0.1001	-45	705	723	TITLIEAILQVHHRISCSR		Carbamidomethyl (C)[17]	Mascot	
	2283.1624	2283.2009	0.0385	17	869	889	LMGNSLYACGERGFNPLLVTK			Mascot	
	2719.2202	2719.3137	0.0935	34	339	361	MLEEPLDIHPGQKMCVCVCCTAK		Carbamidomethyl (C)[15,17,19]	Mascot	
	2719.2202	2719.3137	0.0935	34	339	361	MLEEPLDIHPGQKMCVCVCCTAK		Carbamidomethyl (C)[15,17,19]	Mascot	
	3338.7551	3338.7876	0.0325	10	528	557	VVLKKPCSGGVVIEIAYVTEISDEDVSLR		Carbamidomethyl (C)[7]	Mascot	
18	muskelin [Danio rerio]				gi 47086651		84322.2	5.91	12	32	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4781	850.5497	0.0716	84	333	339	QIYTLGR					Mascot
942.5189	942.5549	0.036	38	73	80	THVCNLKK					Mascot
1106.5048	1106.5522	0.0474	43	301	309	ENQWACISR					Mascot
1230.587	1230.6799	0.0929	75	451	460	IGHCMLFHTR			Oxidation (M)[5]		Mascot
1460.6774	1460.64	-0.0374	-26	113	123	HKIDEQMFPCR			Carbamidomethyl (C)[10]		Mascot
1582.6699	1582.8284	0.1585	100	380	392	LVFDHQMCMDEK					Mascot
1722.8446	1722.8663	0.0217	13	180	193	QHNYTEAFESLQKK					Mascot
1740.8221	1740.9028	0.0807	46	564	578	ENPTKALQEEEP CPR					Mascot
2194.2278	2194.1267	-0.1011	-46	196	213	IALEHPMLTHLHERLVLR			Oxidation (M)[7]		Mascot
2225.0947	2225.1379	0.0432	19	702	720	TQLFDTLVNFFPDNMTTP K					Mascot
2225.0947	2225.1379	0.0432	19	702	720	TQLFDTLVNFFPDNMTTP K					Mascot
2233.0408	2233.1045	0.0637	29	682	701	SSSDFIPLGFSDVDQTYA QR					Mascot
2298.1626	2298.2048	0.0422	18	226	244	AVRDGLFNQYISQQDYK PR					Mascot

19 Si:rp71-61h23.4 protein [Danio rerio] gi|33991821 45666.6 5.53 8 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	1106.551	1106.5522	0.0012	1	9	18	MADNVKTAEK							Mascot
	1123.4935	1123.5309	0.0374	33	314	322	DKEQEMESK							Mascot
	1156.6797	1156.6102	-0.0695	-60	234	243	ALEQSLLRAR							Mascot
	1185.611	1185.6406	0.0296	25	293	302	EGQPKELQEK							Mascot
	1303.6562	1303.772	0.1158	89	138	150	DAVVGAVMEGVEK							Mascot
	1560.8049	1560.8516	0.0467	30	138	152	DAVVGAVMEGVEKTR							Mascot
	1560.8049	1560.8516	0.0467	30	138	152	DAVVGAVMEGVEKTR							Mascot
	2271.1614	2271.1245	-0.0369	-16	196	216	ELAALAEPRPGEEEGFIV STR							Mascot
	3355.7573	3355.4919	-0.2654	-79	393	422	QSLDGVVEYLLNNTPLN WLVGPFAPQITEK							Mascot

20 PREDICTED: hypothetical protein LOC100329705 gi|326676237 8666.2 4.61 4 31 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1279.647	1279.7867	0.1397	109	20	29	YFVYFAKEGR					Mascot
1402.696	1402.7797	0.0837	60	47	58	NVSFVKSYSSER					Mascot
2009.8374	2010.0215	0.1841	92	59	74	CELWEENGFYSAWVN					Mascot
2719.1406	2719.3137	0.1731	64	53	74	SYSSERCELWEENGFYSAWVN					Mascot
2719.1406	2719.3137	0.1731	64	53	74	SYSSERCELWEENGFYSAWVN					Mascot

21 PREDICTED: solute carrier family 12 member 6-like, gi|326668968 26763.8 8.83 6 31 0
partial [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.5497	0.0716	84	133	139	TFINTVR					Mascot
942.4825	942.5549	0.0724	77	74	80	HLMEKER					Mascot
1402.7623	1402.7797	0.0174	12	83	94	GFVQCIVAQKPR			Carbamidomethyl (C)[5]		Mascot
1718.8458	1718.9227	0.0769	45	29	42	YIEYHGYVTMTTLK					Mascot
1718.8458	1718.9227	0.0769	45	29	42	YIEYHGYVTMTTLK					Mascot
2211.3223	2211.1243	-0.198	-90	133	152	TFINTVRVTTTAHLALLVL K					Mascot
2211.3223	2211.1243	-0.198	-90	133	152	TFINTVRVTTTAHLALLVL K					Mascot
2230.0664	2230.2168	0.1504	67	197	215	CALRIFTVAQMEDNSIQM K			Oxidation (M)[11,18]		Mascot
2271.093	2271.1245	0.0315	14	197	215	CALRIFTVAQMEDNSIQM K			Carbamidomethyl (C)[1], Oxidation (M)[11]		Mascot

22 RecName: Full=Contactin-1a; AltName: gi|55976512 114263.1 6.25 12 30 0

Full=F3/F11/contactin; AltName: Full=Neural cell recognition m

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5173	1045.5698	0.0525	50	562	569	DAQHYQRK					Mascot
1062.5513	1062.6975	0.1462	138	442	449	VVFECRPR			Carbamidomethyl (C)[5]		Mascot
1106.5323	1106.5522	0.0199	18	625	634	VDEVTSDSVR					Mascot
1107.6885	1107.5391	-0.1494	-135	285	294	KLDGVLPLLR					Mascot
1303.6827	1303.772	0.0893	68	2	12	IPEAFQPRAMK			Oxidation (M)[10]		Mascot
2224.9749	2225.1379	0.163	73	388	406	FSRLGFEDSGMYQCAE NR			Oxidation (M)[11]		Mascot
2225.1772	2225.1379	-0.0393	-18	695	716	VIATNTLTGTGPPSESPK TTTR					Mascot
2230.0305	2230.2168	0.1863	84	114	134	SKHAGNYTCVASNQYGS VTSR					Mascot
2283.092	2283.2009	0.1089	48	594	614	YSCTAQTVPDNTTASAE VVR			Carbamidomethyl (C)[3]		Mascot
2284.2131	2284.1958	-0.0173	-8	442	460	VVFECRPRAAPRPNITW SK			Carbamidomethyl (C)[5]		Mascot
2284.2131	2284.1958	-0.0173	-8	442	460	VVFECRPRAAPRPNITW SK			Carbamidomethyl (C)[5]		Mascot
3338.7102	3338.7876	0.0774	23	256	284	SPDSWALLGQNVTLCE FALGNPIPIQIRWR			Carbamidomethyl (C)[16]		Mascot
3897.1306	3896.8367	-0.2939	-75	994	1032	AHSEGGDGAVAQVRITG SAPAPALASALLLPLLW TLML			Oxidation (M)[38]		Mascot
PREDICTED: leiomodin-3 [Danio rerio]				gi 326679036		76410.3	4.83	11	30	0	

Peptide Information									
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank Result Type
942.5302	942.5549	0.0247	26	101	108	VPVGMRQR			Mascot
982.5316	982.5555	0.0239	24	639	646	DHLLSEIR			Mascot
1045.4731	1045.5698	0.0967	92	52	60	DASHEMTVR			Mascot
1062.5977	1062.6975	0.0998	94	453	461	MVVTNLLTR		Oxidation (M)[1]	Mascot
1303.6252	1303.772	0.1468	113	442	452	MGYHFELPGPR			Mascot
1523.7522	1523.7728	0.0206	14	402	413	CLQFNETLTELR		Carbamidomethyl (C)[1]	Mascot
1560.8527	1560.8516	-0.0011	-1	453	465	MVVTNLLTRNLDR		Oxidation (M)[1]	Mascot
1560.8527	1560.8516	-0.0011	-1	453	465	MVVTNLLTRNLDR		Oxidation (M)[1]	Mascot
1574.6904	1574.7871	0.0967	61	573	584	DPLLEWNQCDE		Carbamidomethyl (C)[9]	Mascot
1619.6854	1619.7642	0.0788	49	1	13	MSERTEQESYTDK		Oxidation (M)[1]	Mascot
1903.9629	1903.9333	-0.0296	-16	419	434	HMLGHHAEVSRLLK		Oxidation (M)[2]	Mascot

	2284.1238	2284.1958	0.072	32	30	49	QLQSEMDDIAPDERVPV GLR				Oxidation (M)[6]	Mascot
	2284.1238	2284.1958	0.072	32	30	49	QLQSEMDDIAPDERVPV GLR				Oxidation (M)[6]	Mascot
24	novel protein similar to vertebrate inositol polyphosphate-5-phosphatase, 72 kDa (INPP5E, zgc:16561				gi 220673191		66013.6	8.76	10	30	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1106.6317	1106.5522	-0.0795	-72	550	558	SLYLEGIRR					Mascot
1107.5792	1107.5391	-0.0401	-36	31	39	NLSFDEKVR					Mascot
1123.5491	1123.5309	-0.0182	-16	487	495	QRTPSYTDR					Mascot
1402.7802	1402.7797	-0.0005	0	193	204	STYSVLNPIRPR					Mascot
1740.7891	1740.9028	0.1137	65	568	583	EAVMKNQNNSTVCSIS			Oxidation (M)[4]		Mascot
1761.8113	1761.8502	0.0389	22	474	488	FDIGCDVYDTTQQR					Mascot
2194.2026	2194.1267	-0.0759	-35	519	537	TSDHRPVIGMFQVKLRP GR					Mascot
2283.1443	2283.2009	0.0566	25	454	473	EGSIFKGFQEASIHFPPT YK					Mascot
2284.0874	2284.1958	0.1084	47	92	112	IRTGSLSETDVSPHDLCD PNK					Mascot
2284.0874	2284.1958	0.1084	47	92	112	IRTGSLSETDVSPHDLCD PNK					Mascot
2300.0459	2300.1975	0.1516	66	94	114	TGSLSETDVSPHDLCDP NKER					Mascot

25	Zgc:165612 protein [Danio rerio]				gi 152012517		46099.5	8.16	8	30	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1106.6317	1106.5522	-0.0795	-72	370	378	SLYLEGIRR					Mascot
1123.5491	1123.5309	-0.0182	-16	307	315	QRTPSYTDR					Mascot
1402.7802	1402.7797	-0.0005	0	13	24	STYSVLNPIRPR					Mascot
1740.7891	1740.9028	0.1137	65	388	403	EAVMKNQNNSTVCSIS			Oxidation (M)[4]		Mascot
1761.8113	1761.8502	0.0389	22	294	308	FDIGCDVYDTTQQR					Mascot
2194.2026	2194.1267	-0.0759	-35	339	357	TSDHRPVIGMFQVKLRP GR					Mascot
2283.1443	2283.2009	0.0566	25	274	293	EGSIFKGFQEASIHFPPT YK					Mascot
2719.3655	2719.3137	-0.0518	-19	1	24	MVSDNTSVHSMKSTYSV LNPIRPR					Mascot
2719.3655	2719.3137	-0.0518	-19	1	24	MVSDNTSVHSMKSTYSV LNPIRPR					Mascot

26	PREDICTED: hypothetical protein LOC100332625 [Danio rerio]				gi 292619215		9203.5	8.69	4	30	0	
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Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
	1862.7811	1862.9628	0.1817	98	2	15	TGWNCWFEYCMLPR			Carbamidomethyl (C)[5]	Mascot
	1878.776	1878.9661	0.1901	101	2	15	TGWNCWFEYCMLPR			Carbamidomethyl (C)[5], Oxidation (M)[11]	Mascot
	2009.8165	2010.0215	0.205	102	1	15	MTGWNCWFEYCMLPR			Carbamidomethyl (C)[6], Oxidation (M)[1]	Mascot
	2025.8114	2025.9406	0.1292	64	1	15	MTGWNCWFEYCMLPR			Carbamidomethyl (C)[6], Oxidation (M)[1,12]	Mascot
	2193.9741	2194.1267	0.1526	70	1	17	MTGWNCWFEYCMLPRLK			Oxidation (M)[1]	Mascot
	2233.1208	2233.1045	-0.0163	-7	18	37	FKPSMSDLSLTFPYAVNTSK				Mascot
27	PREDICTED: zinc finger protein 850-like [Danio rerio]					gi 326667171	77347.8	9.3	13	30	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
1230.5063	1230.6799	0.1736	141	64	73	NCFICTQCGK			Carbamidomethyl (C)[2,5]	Mascot
1509.7114	1509.7767	0.0653	43	550	562	SFSQSSSLNLHMR			Oxidation (M)[12]	Mascot
1560.6971	1560.8516	0.1545	99	354	366	SFSQSSNLNHHMR			Oxidation (M)[12]	Mascot
1560.6971	1560.8516	0.1545	99	354	366	SFSQSSNLNHHMR			Oxidation (M)[12]	Mascot
1574.7493	1574.7871	0.0378	24	242	254	SFSQSSHLNKHMR			Oxidation (M)[12]	Mascot
1619.7383	1619.7642	0.0259	16	522	534	SFSQSPYLNHHR			Oxidation (M)[12]	Mascot
1706.7988	1706.8643	0.0655	38	563	577	IHTGEKPFTCTQCGK			Carbamidomethyl (C)[10]	Mascot
1718.7988	1718.9227	0.1239	72	255	269	IHTGEKPYTCPQCGK			Carbamidomethyl (C)[10]	Mascot
1718.7988	1718.9227	0.1239	72	255	269	IHTGEKPYTCPQCGK			Carbamidomethyl (C)[10]	Mascot
1722.8302	1722.8663	0.0361	21	451	465	IHTGEKLTCTQCGK			Carbamidomethyl (C)[10]	Mascot
1862.8015	1862.9628	0.1613	87	64	78	NCFICTQCGKSLSCK			Carbamidomethyl (C)[2,5,8,14]	Mascot
1923.8584	1923.9751	0.1167	61	616	630	HMMIHTGEKEFMCLK			Carbamidomethyl (C)[13], Oxidation (M)[2,3]	Mascot
1923.8584	1923.9751	0.1167	61	616	630	HMMIHTGEKEFMCLK			Carbamidomethyl (C)[13], Oxidation (M)[2,3]	Mascot
2193.9912	2194.1267	0.1355	62	83	101	IHMMIHTGEKPFTCTQCGK			Oxidation (M)[3,4]	Mascot
2247.0776	2247.1389	0.0613	27	21	38	QEDLQEQTELIEENKWSK				Mascot
3355.5154	3355.4919	-0.0235	-7	283	310	IHTGEKPFTSNQCGKNFYCSSNLNQHMR			Carbamidomethyl (C)[13,19]	Mascot
28	novel protein [Danio rerio]			gi 94734127		8833.8	12.02	4	30	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type

	942.5254	942.5549	0.0295	31	9	18	SPAAPVSVSK							Mascot
	1045.5272	1045.5698	0.0426	41	52	62	SPGASQNGSLK							Mascot
	1740.8987	1740.9028	0.0041	2	52	69	SPGASQNGSLKSPGQGLR							Mascot
	1923.9956	1923.9751	-0.0205	-11	20	39	APSTPPISKPTLCSSPAGGR							Mascot
	1923.9956	1923.9751	-0.0205	-11	20	39	APSTPPISKPTLCSSPAGGR							Mascot

29 PREDICTED: protein-glutamine gamma-glutamyltransferase 2-like [Danio rerio] gi|326668941 74951.8 5.69 10 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5425	1045.5698	0.0273	26	437	445	AVYTEAVHR					Mascot
1156.6758	1156.6102	-0.0656	-57	177	186	LLDLNPKCLK					Mascot
1230.6188	1230.6799	0.0611	50	647	657	LMATFNSATFK					Mascot
1574.8132	1574.7871	-0.0261	-17	616	630	STEKSSTVQLGPGQR					Mascot
1582.8013	1582.8284	0.0271	17	524	537	ALSFTLPYSAYGHR					Mascot
1862.875	1862.9628	0.0878	47	255	270	YGQCWVFAAVMCTVLR			Oxidation (M)[11]		Mascot
1878.9095	1878.9661	0.0566	30	483	499	GSRAQCVCVNISAQVMR			Carbamidomethyl (C)[6]		Mascot
1903.9015	1903.9333	0.0318	17	255	270	YGQCWVFAAVMCTVLR			Carbamidomethyl (C)[4]		Mascot
2211.0017	2211.1243	0.1226	55	2	22	CSSSSSNTPDQGVRVDLECVK					Mascot
2211.0017	2211.1243	0.1226	55	2	22	CSSSSSNTPDQGVRVDLECVK					Mascot
2528.2424	2528.1924	-0.05	-20	524	545	ALSFTLPYSAYGHRMLENNCIK					Mascot
2719.2798	2719.3137	0.0339	12	255	277	YGQCWVFAAVMCTVLRLCLGIPCR			Carbamidomethyl (C)[4,12], Oxidation (M)[11]		Mascot
2719.2798	2719.3137	0.0339	12	255	277	YGQCWVFAAVMCTVLRLCLGIPCR			Carbamidomethyl (C)[4,12], Oxidation (M)[11]		Mascot

30 Wu:fd12d03 protein [Danio rerio] gi|67678171 54699.2 5.26 8 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1156.6547	1156.6102	-0.0445	-38	33	41	VMIYRFVTK					Mascot
1165.6211	1165.756	0.1349	116	38	47	FVTKASVEER					Mascot
1165.6211	1165.756	0.1349	116	38	47	FVTKASVEER					Mascot
1169.6273	1169.6438	0.0165	14	395	406	RAAAIAAGEDPK					Mascot
1230.6298	1230.6799	0.0501	41	245	255	SEAANSRRPSR					Mascot
1862.8137	1862.9628	0.1491	80	150	164	DEDEEEEDVDREIIK					Mascot
1924.0062	1923.9751	-0.0311	-16	77	92	QELDDILKFGTEQLFK					Mascot

	1924.0062	1923.9751	-0.0311	-16	77	92	QELDDILKFGTEQLFK										Mascot
	2225.0569	2225.1379	0.081	36	407	428	TPSTGTPADTQPNTAP EDLSK										Mascot
	2225.0569	2225.1379	0.081	36	407	428	TPSTGTPADTQPNTAP EDLSK										Mascot
	3896.5146	3896.8367	0.3221	83	218	251	DWQDDQSDNQSDYSVA SEEGDEDFDERSEAANS R										Mascot
31	methyltransferase-like protein 13 [Danio rerio]					gi 217416336	75976.5	5.99	10	30	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4032	864.5179	0.1147	133	504	510	DFVPCAR			Carbamidomethyl (C)[5]		Mascot
942.5406	942.5549	0.0143	15	166	173	LAVEHFVK					Mascot
1062.6306	1062.6975	0.0669	63	589	597	KVYSLSPR					Mascot
1165.6221	1165.756	0.1339	115	598	607	GLFMLNLVCR					Mascot
1165.6221	1165.756	0.1339	115	598	607	GLFMLNLVCR					Mascot
1402.726	1402.7797	0.0537	38	240	250	ERQAYNLMLHK					Mascot
1543.8689	1543.8207	-0.0482	-31	228	241	LASVEELLSAVKER					Mascot
2040.9086	2040.9497	0.0411	20	7	22	TAEEFSSADYWERFFR					Mascot
2283.1826	2283.2009	0.0183	8	536	556	LKVTLDGDLHITTESE GER					Mascot
2300.1226	2300.1975	0.0749	33	52	72	VLVVGCGNSEQLYD VGYR					Mascot
3337.5254	3337.8066	0.2812	84	453	482	SVDRGFLCCTHHEVMVA GLAMLGMDAINNK			Carbamidomethyl (C)[8], Oxidation (M)[15,21,24]		Mascot

32	PREDICTED: nucleoporin NUP188 homolog [Danio rerio]					gi 189533646	194083	6.04	17	30	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1156.5931	1156.6102	0.0171	15	1493	1501	MLHHYLQAK			Oxidation (M)[1]		Mascot
1230.6875	1230.6799	-0.0076	-6	1535	1545	ALQAVQCSLLK			Carbamidomethyl (C)[7]		Mascot
1460.5927	1460.64	0.0473	32	1	12	MADSEMCRSSR			Carbamidomethyl (C)[7], Oxidation (M)[1,6]		Mascot
1509.7961	1509.7767	-0.0194	-13	860	871	YIYHKHDPALPR					Mascot
1523.7522	1523.7728	0.0206	14	1098	1110	SLSESQMLISAWR			Oxidation (M)[7]		Mascot
1560.9467	1560.8516	-0.0951	-61	1157	1170	LGSMVTLTLLILLK			Oxidation (M)[4]		Mascot
1560.9467	1560.8516	-0.0951	-61	1157	1170	LGSMVTLTLLILLK			Oxidation (M)[4]		Mascot
1582.9414	1582.8284	-0.113	-71	442	456	TGPLLQLLTALLSDK					Mascot
1619.9401	1619.7642	-0.1759	-109	1395	1408	LSLSLMESLLKTLR			Oxidation (M)[6]		Mascot

1707.0415	1706.8643	-0.1772	-104	1308	1323	LPVLPSVLSALELSLR						Mascot
1740.8875	1740.9028	0.0153	9	22	36	SALREPAQIEDELNR						Mascot
1862.9105	1862.9628	0.0523	28	123	136	IADYYEERLCVLR				Carbamidomethyl (C)[11]		Mascot
1903.9794	1903.9333	-0.0461	-24	1529	1545	EEAESKALQAVQCSSLK				Carbamidomethyl (C)[13]		Mascot
2010.1633	2010.0215	-0.1418	-71	680	697	GEYSVTIAFLRLVTTLVK						Mascot
2230.071	2230.2168	0.1458	65	469	486	MSFYTEAYKHRPNDVISR				Oxidation (M)[1]		Mascot
2247.1128	2247.1389	0.0261	12	137	153	CVLHLLTYFQDERHPYR				Carbamidomethyl (C)[1]		Mascot
2271.1221	2271.1245	0.0024	1	1275	1293	DQQDSVCVLALHLSKEL CR				Carbamidomethyl (C)[7,18]		Mascot
3896.0486	3895.8374	-0.2112	-54	1344	1382	TPQGAAAVAGAGVIQSIC LPLLSVYEGPANGANQA FVRK				Carbamidomethyl (C)[18]		Mascot

33 novel protein similar to H.sapiens LAYN, layilin (LAYN) [Danio rerio] gi|148725485 38956.8 5.61 7 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
982.4662	982.5555	0.0893	91	7	14	GTEKPCYK			Carbamidomethyl (C)[6]		Mascot
1509.6467	1509.7767	0.13	86	89	100	YYWMDGSPATFR			Oxidation (M)[4]		Mascot
1619.7958	1619.7642	-0.0316	-20	249	262	CNSPSPDVYNVIRR					Mascot
1706.8442	1706.8643	0.0201	12	36	51	SDGGDLLSIESKTEQK					Mascot
1722.8882	1722.8663	-0.0219	-13	262	276	RQHESDLAGTRPDIK					Mascot
2719.1187	2719.3137	0.195	72	78	100	GYEENGNCSSKYYWMD GSPATFR			Carbamidomethyl (C)[8]		Mascot
2719.1187	2719.3137	0.195	72	78	100	GYEENGNCSSKYYWMD GSPATFR			Carbamidomethyl (C)[8]		Mascot
3897.2576	3896.8367	-0.4209	-108	187	223	TVVSGLPDNALNIAYIVLP TIPLLLLIVATGVFCFK					Mascot

34 PREDICTED: heat-stable enterotoxin receptor-like [Danio rerio] gi|326665604 115779.3 7.15 12 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4781	850.5497	0.0716	84	921	927	RGETFLK					Mascot
1051.5935	1051.7208	0.1273	121	629	636	LYLVQYPR					Mascot
1165.6212	1165.756	0.1348	116	504	513	GSLRYVLDDK					Mascot
1165.6212	1165.756	0.1348	116	504	513	GSLRYVLDDK					Mascot
1460.6863	1460.64	-0.0463	-32	49	61	DVVETAVEDQNNK					Mascot
1523.8904	1523.7728	-0.1176	-77	899	911	IHVSESTIKILQR					Mascot
1706.7731	1706.8643	0.0912	53	514	527	ISYPDASFMDLEFR			Oxidation (M)[9]		Mascot

1857.9388	1857.8779	-0.0609	-33	537	553	GMSYLHSSNVGVHGRLK	Oxidation (M)[2]	Mascot
1857.9388	1857.8779	-0.0609	-33	537	553	GMSYLHSSNVGVHGRLK	Oxidation (M)[2]	Mascot
1878.9596	1878.9661	0.0065	3	316	331	DLNLSVVYTTGSYKYR		Mascot
1903.8789	1903.9333	0.0544	29	874	889	MPRYCLFGDTVNTASR	Carbamidomethyl (C)[5], Oxidation (M)[1]	Mascot
1923.9904	1923.9751	-0.0153	-8	162	176	KIAEFFFHFWHTSVK		Mascot
1923.9904	1923.9751	-0.0153	-8	162	176	KIAEFFFHFWHTSVK		Mascot
2719.4976	2719.3137	-0.1839	-68	848	873	HLPGIPLWIRIGIHSGPCA AGVVGNK	Carbamidomethyl (C)[18]	Mascot
2719.4976	2719.3137	-0.1839	-68	848	873	HLPGIPLWIRIGIHSGPCA AGVVGNK	Carbamidomethyl (C)[18]	Mascot
3896.0632	3895.8374	-0.2258	-58	629	662	LYLVQYPRGPNVFRPDL SFEGVGETEAEFLVLIK		Mascot

35 PREDICTED: probable serine/threonine-protein kinase
kinX-like [Danio rerio] gi|326667489 12182.4 4.79 5 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1106.496	1106.5522	0.0562	51	85	95	AAQSDAVIDSDK					Mascot
1303.729	1303.772	0.043	33	67	78	VDAVVKMDSVLK					Mascot
1402.7365	1402.7797	0.0432	31	96	108	FAGVSTLAFTFNK					Mascot
1862.7825	1862.9628	0.1803	97	1	18	MDEGAMMGVGGAMMGAV LK			Oxidation (M)[1,6,7,12]		Mascot
1878.7773	1878.9661	0.1888	100	1	18	MDEGAMMGVGGAMMGAV LK			Oxidation (M)[1,6,7,12,13]		Mascot
2506.1189	2506.2161	0.0972	39	1	24	MDEGAMMGVGGAMMGAV LKMDAVVK			Oxidation (M)[1,6,7,12]		Mascot

36 PREDICTED: zinc finger and SCAN domain-containing
protein 2-like [Danio rerio] gi|326680717 88496.4 9.79 13 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5094	842.5154	0.006	7	335	341	ESRLIPK					Mascot
996.5724	996.6023	0.0299	30	575	583	SFIKSSSLK					Mascot
996.6564	996.6023	-0.0541	-54	338	346	LIPKASLVR					Mascot
1169.6499	1169.6438	-0.0061	-5	233	242	IKAFLGYMAR					Mascot
1185.6449	1185.6406	-0.0043	-4	233	242	IKAFLGYMAR			Oxidation (M)[8]		Mascot
1460.6951	1460.64	-0.0551	-38	15	26	VQQEYVMPSAHR			Oxidation (M)[7]		Mascot
1706.7988	1706.8643	0.0655	38	672	686	IHTGEKPFCTQCGK			Carbamidomethyl (C)[10]		Mascot
1718.8352	1718.9227	0.0875	51	504	518	IHTGEKPFCTQCGK			Carbamidomethyl (C)[10]		Mascot
1718.8352	1718.9227	0.0875	51	504	518	IHTGEKPFCTQCGK			Carbamidomethyl (C)[10]		Mascot
1740.949	1740.9028	-0.0462	-27	354	369	KIPALLDSLESNPSTR					Mascot

	1761.8411	1761.8502	0.0091	5	756	770	IHTGEKPFVCTQCGK		Carbamidomethyl (C)[10,13]	Mascot			
	1862.9442	1862.9628	0.0186	10	155	172	ASGGFGTHCLPVGPGRP R		Carbamidomethyl (C)[9]	Mascot			
	2211.1516	2211.1243	-0.0273	-12	355	373	IPALLDSLESNPSTRQQW R			Mascot			
	2211.1516	2211.1243	-0.0273	-12	355	373	IPALLDSLESNPSTRQQW R			Mascot			
	2230.0679	2230.2168	0.1489	67	584	602	LHMRIHTGDKPFTCTQC GK		Carbamidomethyl (C)[14]	Mascot			
	3337.541	3337.8066	0.2656	80	687	714	SFSCSSHLNHHIRIHTGE KPFTCPQCEK		Carbamidomethyl (C)[4,23]	Mascot			
37	PREDICTED: ATP-binding cassette sub-family B member 7, mitochondrial [Danio rerio]				gi 125834513		82250.8	9.26	10	29	0	6	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5458	842.5154	-0.0304	-36	19	25	LSLLLQR					Mascot
850.576	850.5497	-0.0263	-31	2	9	APLLVPLK					Mascot
1107.5792	1107.5391	-0.0401	-36	192	201	TGSALFNELR					Mascot
1165.5848	1165.756	0.1712	147	47	56	NTYLLSDPSR					Mascot
1165.5848	1165.756	0.1712	147	47	56	NTYLLSDPSR					Mascot
1460.6951	1460.64	-0.0551	-38	585	596	MPHKYDTQVGER					Mascot
1543.8777	1543.8207	-0.057	-37	575	588	LAGIHDAILKMPHK					Mascot
2194.1477	2194.1267	-0.021	-10	111	128	ILGAMFTYVWPKDRPDL R			Oxidation (M)[5]		Mascot
2211.0425	2211.1243	0.0818	37	47	65	NTYLLSDPSRESSTWAN NR					Mascot
2211.0425	2211.1243	0.0818	37	47	65	NTYLLSDPSRESSTWAN NR	6		0		Mascot
2283.2554	2283.2009	-0.0545	-24	658	678	LSTIVDADEIIVLNQGKVA ER					Mascot
3338.7817	3338.7876	0.0059	2	250	279	GISFVLSALVFNLGPTLFE MMLVSGILYYK			Oxidation (M)[20]		Mascot

38 72 kDa inositol polyphosphate 5-phosphatase [Danio rerio]

gi|320091327 71875.5 8.03 10 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1106.6317	1106.5522	-0.0795	-72	602	610	SLYLEGIRR					Mascot
1107.5792	1107.5391	-0.0401	-36	83	91	NLSFDEKVR					Mascot
1123.5491	1123.5309	-0.0182	-16	539	547	QRTPSYTDR					Mascot
1402.7802	1402.7797	-0.0005	0	245	256	STYSVLNPIRPR					Mascot
1740.7891	1740.9028	0.1137	65	620	635	EAVMKNQNNSTVCSIS			Oxidation (M)[4]		Mascot

		1761.8113	1761.8502	0.0389	22	526	540	FDIGCDVYDTTKQR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
842.4478	842.5154	0.0676	80	14643	14649	RDLPEGR				Mascot
848.4876	848.5325	0.0449	53	14548	14554	TSILWTK				Mascot
850.4668	850.5497	0.0829	97	11818	11824	FTVENLK				Mascot
864.5189	864.5179	-0.001	-1	1322	1328	KYEIIAK				Mascot
882.4791	882.5728	0.0937	106	7328	7334	KEEHAIR				Mascot
942.573	942.5549	-0.0181	-19	8640	8647	DRQGIIK				Mascot
982.5468	982.5555	0.0087	9	7963	7969	EYIFRVR				Mascot
996.5359	996.6023	0.0664	67	3662	3669	LSYEQTKK				Mascot
996.5359	996.6023	0.0664	67	3662	3669	LSYEQTKK				Mascot
1051.6146	1051.7208	0.1062	101	10946	10955	VSEKPLPPGK				Mascot
1062.6055	1062.6975	0.092	87	12317	12325	IIAQNRYGK				Mascot
1106.6317	1106.5522	-0.0795	-72	14635	14643	VTGYIIERR				Mascot
1107.5292	1107.5391	0.0099	9	20800	20808	HFVPFSDMK				Mascot
1123.524	1123.5309	0.0069	6	20800	20808	HFVPFSDMK		Oxidation (M)[8]		Mascot
1156.5858	1156.6102	0.0244	21	1768	1776	EGPRYHLER				Mascot
1165.6212	1165.756	0.1348	116	422	431	QAKFESTINK				Mascot
1165.6324	1165.756	0.1236	106	5141	5149	ITNYTIERR				Mascot
1169.6525	1169.6438	-0.0087	-7	2630	2639	ADLVLKPEER				Mascot
1185.6626	1185.6406	-0.022	-19	17301	17311	GKPIPTASWTK				Mascot
1230.6841	1230.6799	-0.0042	-3	18967	18977	GKPTPTSKWTK				Mascot
1279.7844	1279.7867	0.0023	2	4556	4567	VNRAPVTKPAVK				Mascot
1303.7844	1303.772	-0.0124	-10	14040	14051	AGGSLRLFITIR				Mascot
1402.5977	1402.7797	0.182	130	648	660	DKGVYVCDGTDK				Mascot
1448.7267	1448.9343	0.2076	143	17957	17969	AEYTPPKAELDSK				Mascot
1460.6396	1460.64	0.0004	0	16170	16182	GDPMEMEEPVQAK				Mascot
1509.8536	1509.7767	-0.0769	-51	14847	14859	LAWTLVHGEVKTR				Mascot
1523.8502	1523.7728	-0.0774	-51	8687	8700	VLDTPGPPLNLMIK		Oxidation (M)[12]		Mascot
1543.834	1543.8207	-0.0133	-9	14505	14519	QPGPPSTPRVAHATK				Mascot
1560.8843	1560.8516	-0.0327	-21	21524	21538	DISASADTIVKLTVK				Mascot
1560.8843	1560.8516	-0.0327	-21	21524	21538	DISASADTIVKLTVK				Mascot
1574.8424	1574.7871	-0.0553	-35	14114	14127	VLDTPSPQKFEVK				Mascot
1582.8145	1582.8284	0.0139	9	18471	18485	ITGYIIEACKAGTDK				Mascot
1706.8265	1706.8643	0.0378	22	555	569	EVSLDDTCQIKAEAK		Carbamidomethyl (C)[8]		Mascot

1718.8894	1718.9227	0.0333	19	1060	1073	EEGTKHMLILYNVR	Oxidation (M)[7]	Mascot
1718.8894	1718.9227	0.0333	19	1060	1073	EEGTKHMLILYNVR	Oxidation (M)[7]	Mascot
1722.7712	1722.8663	0.0951	55	18717	18731	YGTGEYLQSEVVMCK	Oxidation (M)[13]	Mascot
1740.9102	1740.9028	-0.0074	-4	7820	7835	VEALVSGKPAPACQWK	Carbamidomethyl (C)[13]	Mascot
1761.9104	1761.8502	-0.0602	-34	11999	12013	TFAAVVTNCHKLSWK	Carbamidomethyl (C)[9]	Mascot
1857.9415	1857.8779	-0.0636	-34	10380	10396	LEADVAGQPLPSMVWTK	Oxidation (M)[13]	Mascot
1857.9415	1857.8779	-0.0636	-34	10380	10396	LEADVAGQPLPSMVWTK	Oxidation (M)[13]	Mascot
1862.9283	1862.9628	0.0345	19	6540	6556	KPWEPWSVVSSGSTSTK		Mascot
1878.9443	1878.9661	0.0218	12	4049	4065	DGAEPDKEHVIEAEIK		Mascot
1903.9396	1903.9333	-0.0063	-3	21786	21802	NVYTLEIHNATIEDSGK		Mascot
1924.0386	1923.9751	-0.0635	-33	5606	5622	INVPDRPEELEVTAITK		Mascot
1924.0386	1923.9751	-0.0635	-33	5606	5622	INVPDRPEELEVTAITK		Mascot
2010.0138	2010.0215	0.0077	4	5634	5652	NDGGSEVTSYILEARTIG K		Mascot
2026.0928	2025.9406	-0.1522	-75	2640	2658	ITIDTKPGHSTLSIANTR		Mascot
2040.9985	2040.9497	-0.0488	-24	3146	3162	YRVTDVDEGTEVQFQVR		Mascot
2194.1389	2194.1267	-0.0122	-6	2918	2935	IESYIIEHQKTGTTEWVR		Mascot
2211.1147	2211.1243	0.0096	4	15930	15948	VVWSVISEAMESRMVTV QK	Oxidation (M)[10,14]	Mascot
2211.1147	2211.1243	0.0096	4	15930	15948	VVWSVISEAMESRMVTV QK	Oxidation (M)[10,14]	Mascot
2230.0808	2230.2168	0.136	61	9022	9041	DSITNMWVTVSSSVTNS FR		Mascot
2233.0076	2233.1045	0.0969	43	13895	13914	VSAENETGVGECSDL FYR	Carbamidomethyl (C)[12]	Mascot
2271.2019	2271.1245	-0.0774	-34	17420	17439	STQTSRLRVADLLEGVPYF FK		Mascot
2283.0269	2283.2009	0.174	76	1430	1450	MDDAGEYHCKLPASETT GTLK	Oxidation (M)[1]	Mascot
2284.0583	2284.1958	0.1375	60	9228	9248	ANTVNVVIDCAYTVADLQE GCK	Carbamidomethyl (C)[9]	Mascot
2284.0583	2284.1958	0.1375	60	9228	9248	ANTVNVVIDCAYTVADLQE GCK	Carbamidomethyl (C)[9]	Mascot
2297.2095	2297.2095	0	0	17558	17578	EPRIEPTADLSGITNQLVT SR		Mascot
2298.2703	2298.2048	-0.0655	-28	9621	9641	DTSVPLRITEFVVPNLEA GLK		Mascot
2300.1616	2300.1975	0.0359	16	11905	11925	ESAQIETSSSYTSLVIDKV SR		Mascot
2506.3774	2506.2161	-0.1613	-64	9978	10000	AGENIKVEVPVSGRPKPT VSWQK		Mascot
2528.2258	2528.1924	-0.0334	-13	140	161	NLEEEETSVLKGQPMYLT CELSK	Oxidation (M)[14]	Mascot
2719.3474	2719.3137	-0.0337	-12	16737	16760	INGLIEGLAYEFRVYAQN DAGYSR		Mascot
2719.3474	2719.3137	-0.0337	-12	16737	16760	INGLIEGLAYEFRVYAQN DAGYSR		Mascot
2741.3337	2741.3174	-0.0163	-6	2209	2233	DSVQLSWETPISNGGSMI TGYIEK	Oxidation (M)[17]	Mascot
3337.5527	3337.8066	0.2539	76	11839	11869	LGVGEHADVAGPICPED KTEEPDLIDAEFR		Mascot

	3338.5608	3338.7876	0.2268	68	15242	15269	AWVCVSSNCHSLTYKVE DLQEGAIYYFR		Carbamidomethyl (C)[4]		Mascot
	3355.5786	3355.4919	-0.0867	-26	17909	17937	CNYTNVTDNFTITALGE GEEYEFRVIK		Carbamidomethyl (C)[1]		Mascot
	3896.0361	3895.8374	-0.1987	-51	13297	13333	DDLGGKYAVTATNSVCAIT EDINIVILDKPGPTGPIK		Carbamidomethyl (C)[15]		Mascot
42	retinoid x receptor, beta [Danio rerio]				gi 94733756		53341.7	8.14	9	29	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
848.4294	848.5325	0.1031	122	182	188	DCLVDKR					Mascot
982.463	982.5555	0.0925	94	201	208	CLAMGMKR			Carbamidomethyl (C)[1], Oxidation (M)[4]		Mascot
1106.5146	1106.5522	0.0376	34	179	187	DNKDCLVDK			Carbamidomethyl (C)[5]		Mascot
1156.564	1156.6102	0.0462	40	12	21	ARLHNMGDSR					Mascot
1303.5808	1303.772	0.1912	147	14	24	LHNMGDSRDSR			Oxidation (M)[4]		Mascot
1460.709	1460.64	-0.069	-47	419	430	EKVYASLEAYCK			Carbamidomethyl (C)[11]		Mascot
1543.8325	1543.8207	-0.0118	-8	407	420	GLSSPSEVELLREK					Mascot
1718.7261	1718.9227	0.1966	114	148	162	SSGKHYGVYSCEGCK			Carbamidomethyl (C)[11,14]		Mascot
1718.7261	1718.9227	0.1966	114	148	162	SSGKHYGVYSCEGCK			Carbamidomethyl (C)[11,14]		Mascot
1923.8124	1923.9751	0.1627	85	230	247	DGEVESSSAANEEMPVE K			Oxidation (M)[14]		Mascot
1923.8124	1923.9751	0.1627	85	230	247	DGEVESSSAANEEMPVE K			Oxidation (M)[14]		Mascot

43	PREDICTED: chromodomain-helicase-DNA-binding protein 4 isoform 1 [Danio rerio]				gi 292622418		221223.8	5.72	17	29	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
942.5441	942.5549	0.0108	11	501	509	CLSPPLK GK					Mascot
1045.516	1045.5698	0.0538	51	1701	1710	DGVKPEDSAK					Mascot
1062.5942	1062.6975	0.1033	97	1815	1823	GNFLEIKNK					Mascot
1107.6594	1107.5391	-0.1203	-109	1058	1067	ASGKLMLLFK					Mascot
1123.6544	1123.5309	-0.1235	-110	1058	1067	ASGKLMLLFK			Oxidation (M)[6]		Mascot
1156.6547	1156.6102	-0.0445	-38	1179	1187	VMIYRFVTK					Mascot
1165.6211	1165.756	0.1349	116	1184	1193	FVTKASVEER					Mascot
1165.6211	1165.756	0.1349	116	1184	1193	FVTKASVEER					Mascot
1169.6273	1169.6438	0.0165	14	1541	1552	RAAAIAAGEDPK					Mascot
1230.6298	1230.6799	0.0501	41	1391	1401	SEAANSRRPSR					Mascot
1582.8005	1582.8284	0.0279	18	1881	1895	ESMSGNKPANAVLHK					Mascot

1761.9857	1761.8502	-0.1355	-77	706	721	KTERPPANPVVDPTIK						Mascot
1862.8564	1862.9628	0.1064	57	1028	1044	CCNHPYLFPTAATEAPK						Mascot
1923.9558	1923.9751	0.0193	10	824	839	AVIRENEFTFEDNAIR						Mascot
1923.9558	1923.9751	0.0193	10	824	839	AVIRENEFTFEDNAIR						Mascot
2225.0569	2225.1379	0.081	36	1553	1574	TPSTGTPADTQPNTAP EDLSK						Mascot
2225.0569	2225.1379	0.081	36	1553	1574	TPSTGTPADTQPNTAP EDLSK						Mascot
2229.9822	2230.2168	0.2346	105	155	172	DIDYTFTQEDYNSLTNYK						Mascot
2528.1082	2528.1924	0.0842	33	409	429	APEGTWSCPHCEKEGIQ WEAR				Carbamidomethyl (C)[8,11]		Mascot
3895.5496	3895.8374	0.2878	74	362	395	KMDEDADGYETDHQDYC EVCQQGGEIILCDTCPR				Oxidation (M)[2]		Mascot
3896.5146	3896.8367	0.3221	83	1364	1397	DWQDDQSDNQSDYSVA SEEGDEDFDERSEAANS R						Mascot

44 BMP and activin membrane-bound inhibitor homolog [Danio rerio] gi|18858339 28492 7.2 7 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5538	1045.5698	0.016	15	104	112	GLHDLTHPR					Mascot
1878.71	1878.9661	0.2561	136	27	42	CYCDAPHCVATGYMCK			Carbamidomethyl (C)[1,3]		Mascot
2194.2014	2194.1267	-0.0747	-34	4	22	LVSLWFQLELCAMAVLLT K			Oxidation (M)[13]		Mascot
2230.0835	2230.2168	0.1333	60	179	196	QQMLSR LHYSFHGHHA K			Oxidation (M)[3]		Mascot
2300.4866	2300.1975	-0.2891	-126	143	165	AAVIAVPIAGGLILVLLIML ALR					Mascot
2506.356	2506.2161	-0.1399	-56	2	22	DRLVSLWFQLELCAMAV LLTK			Carbamidomethyl (C)[13]		Mascot
2719.2129	2719.3137	0.1008	37	203	225	LDLECMVPVTGHENCCL GCDKLR			Carbamidomethyl (C)[5,15,16]		Mascot
2719.2129	2719.3137	0.1008	37	203	225	LDLECMVPVTGHENCCL GCDKLR			Carbamidomethyl (C)[5,15,16]		Mascot

45 GDP dissociation inhibitor 2 [Danio rerio] gi|37362224 50554.7 5.6 8 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1169.6565	1169.6438	-0.0127	-11	104	113	VIEGSFVYKK					Mascot
1740.9717	1740.9028	-0.0689	-40	90	103	MLLITQVTRYLDFK					Mascot
1903.8015	1903.9333	0.1318	69	403	418	SYDATTHFETTCDDIK			Carbamidomethyl (C)[12]		Mascot
2010.01	2010.0215	0.0115	6	119	137	VPSTETEALASSLMGLFE K					Mascot
2026.0049	2025.9406	-0.0643	-32	119	137	VPSTETEALASSLMGLFE K			Oxidation (M)[14]		Mascot

	2247.0928	2247.1389	0.0461	21	36	55	NSYYGGESASITPLEDLF KR										Mascot
	2300.1411	2300.1975	0.0564	25	310	329	NTSDANSCQIIIPQNQVN RK						Carbamidomethyl (C)[8]				Mascot
	2528.2014	2528.1924	-0.009	-4	143	164	FLVFFVANFDENDPKTME GVDPK						Oxidation (M)[16]				Mascot
	3896.8833	3896.8367	-0.0466	-12	330	364	HDIYVCMISYAHNVAAQG KYIAIVSTTVETNDPEK						Oxidation (M)[7]				Mascot
46	hypothetical protein LOC100145413 [Xenopus (Silurana) tropicalis]				gi 187607099		39415.2	9.16	10	28	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.5239	848.5325	0.0086	10	325	332	FTLLGGLK					Mascot
942.5367	942.5549	0.0182	19	245	252	TSLKTHQK					Mascot
1230.5129	1230.6799	0.167	136	229	239	EKPYSCECGK					Mascot
1460.6951	1460.64	-0.0551	-38	278	289	QQMNHTGEKPYK					Mascot
1560.6715	1560.8516	0.1801	115	62	74	NCFTCSQCGKSLR			Carbamidomethyl (C)[2,5]		Mascot
1560.6715	1560.8516	0.1801	115	62	74	NCFTCSQCGKSLR			Carbamidomethyl (C)[2,5]		Mascot
1706.7988	1706.8643	0.0655	38	141	155	IHTGEKPFCTCTQCGK			Carbamidomethyl (C)[10]		Mascot
1722.7938	1722.8663	0.0725	42	113	127	IHTGEKPYTCTQCGK			Carbamidomethyl (C)[10]		Mascot
1761.8887	1761.8502	-0.0385	-22	290	304	CSHCNNRFSLLGILK			Carbamidomethyl (C)[1]		Mascot
2194.0559	2194.1267	0.0708	32	259	276	EYLCFECGKTFITEVGLK			Carbamidomethyl (C)[4,7]		Mascot
2211.1702	2211.1243	-0.0459	-21	184	202	SFIQLSTLNLHMRIHAGE K			Oxidation (M)[12]		Mascot
2211.1702	2211.1243	-0.0459	-21	184	202	SFIQLSTLNLHMRIHAGE K			Oxidation (M)[12]		Mascot

47 Mitogen-activated protein kinase 1 [Danio rerio] gi|41351062 42120.5 6.19 7 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4362	864.5179	0.0817	95	363	369	FQPGYRP					Mascot
1107.5681	1107.5391	-0.029	-26	354	362	ELIFEETAR					Mascot
1303.7732	1303.772	-0.0012	-1	271	281	NYLLSLPLRSK					Mascot
1523.7675	1523.7728	0.0053	3	201	212	WYRAPEIMLNSK			Oxidation (M)[8]		Mascot
1878.928	1878.9661	0.0381	20	65	79	ISPFEHQTYCQRTLRL					Mascot
2040.9767	2040.9497	-0.027	-13	2	24	ATAAVSAPAGGPNPGS GAEMVR			Oxidation (M)[21]		Mascot
2719.3945	2719.3137	-0.0808	-30	217	240	SIDIWSVGCILAEMLSNR PIFPGK			Carbamidomethyl (C)[9], Oxidation (M)[14]		Mascot
2719.3945	2719.3137	-0.0808	-30	217	240	SIDIWSVGCILAEMLSNR PIFPGK			Carbamidomethyl (C)[9], Oxidation (M)[14]		Mascot

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4478	842.5154	0.0676	80	14721	14727	RDLPEGR					Mascot
848.4876	848.5325	0.0449	53	14626	14632	TSILWTK					Mascot
850.4668	850.5497	0.0829	97	11896	11902	FTVENLK					Mascot
864.5189	864.5179	-0.001	-1	1400	1406	KYEIIAK					Mascot
882.4791	882.5728	0.0937	106	7406	7412	KEEHAIR					Mascot
942.573	942.5549	-0.0181	-19	8718	8725	DRQGIIK					Mascot
982.5468	982.5555	0.0087	9	8041	8047	EYIFRVR					Mascot
996.5359	996.6023	0.0664	67	3740	3747	LSYEQTKK					Mascot
996.5359	996.6023	0.0664	67	3740	3747	LSYEQTKK					Mascot
1051.6146	1051.7208	0.1062	101	11024	11033	VSEKPLPPGK					Mascot
1062.6055	1062.6975	0.092	87	12395	12403	IIAQNRYGK					Mascot
1106.6317	1106.5522	-0.0795	-72	14713	14721	VTGYIIERR					Mascot
1107.5292	1107.5391	0.0099	9	20972	20980	HFVPFSDMK					Mascot
1123.524	1123.5309	0.0069	6	20972	20980	HFVPFSDMK			Oxidation (M)[8]		Mascot
1156.5858	1156.6102	0.0244	21	1846	1854	EGPRYHLER					Mascot
1165.6212	1165.756	0.1348	116	500	509	QAKFESTINK					Mascot
1165.6324	1165.756	0.1236	106	5219	5227	ITNYTIERR					Mascot
1169.6525	1169.6438	-0.0087	-7	2708	2717	ADLVLKPEER					Mascot
1185.6626	1185.6406	-0.022	-19	17379	17389	GKPIPTASWTK					Mascot
1230.6841	1230.6799	-0.0042	-3	19139	19149	GKPTPTSKWTK					Mascot
1279.7844	1279.7867	0.0023	2	4634	4645	VNRAPVTKPAVK					Mascot
1303.7844	1303.772	-0.0124	-10	14118	14129	AGGSLRLFITIR					Mascot
1402.5977	1402.7797	0.182	130	726	738	DKGVYVCDGTDK					Mascot
1448.7267	1448.9343	0.2076	143	18035	18047	AEYTPPKAELDSK					Mascot
1460.6396	1460.64	0.0004	0	16248	16260	GDPMEMEEPVQAK					Mascot
1509.8536	1509.7767	-0.0769	-51	14925	14937	LAWTLVHGEVKTR					Mascot
1523.8502	1523.7728	-0.0774	-51	8765	8778	VLDTPGPPLNLMIK			Oxidation (M)[12]		Mascot
1543.834	1543.8207	-0.0133	-9	14583	14597	QPGPPSTPRVAHATK					Mascot
1560.8843	1560.8516	-0.0327	-21	21696	21710	DISASADTIVKLTVK					Mascot
1560.8843	1560.8516	-0.0327	-21	21696	21710	DISASADTIVKLTVK					Mascot
1574.8424	1574.7871	-0.0553	-35	14192	14205	VLDTPSSPQKFEVK					Mascot
1582.8145	1582.8284	0.0139	9	18643	18657	ITGYIIEACKAGTDK					Mascot

1706.8265	1706.8643	0.0378	22	633	647	EVSLDDTCQIKAEAK	Carbamidomethyl (C)[8]	Mascot
1718.8894	1718.9227	0.0333	19	1138	1151	EEGTKHMLILYNVR	Oxidation (M)[7]	Mascot
1718.8894	1718.9227	0.0333	19	1138	1151	EEGTKHMLILYNVR	Oxidation (M)[7]	Mascot
1722.7712	1722.8663	0.0951	55	18889	18903	YGTGEYLQSEVVMCK	Oxidation (M)[13]	Mascot
1740.9102	1740.9028	-0.0074	-4	7898	7913	VEALVSGKPAPACQWK	Carbamidomethyl (C)[13]	Mascot
1761.9104	1761.8502	-0.0602	-34	12077	12091	TFAAVVTNCHKLSWK	Carbamidomethyl (C)[9]	Mascot
1857.9415	1857.8779	-0.0636	-34	10458	10474	LEADVAGQPLPSMVWTK	Oxidation (M)[13]	Mascot
1857.9415	1857.8779	-0.0636	-34	10458	10474	LEADVAGQPLPSMVWTK	Oxidation (M)[13]	Mascot
1862.9283	1862.9628	0.0345	19	6618	6634	KPWEPWSVSSGSTSTK		Mascot
1878.9443	1878.9661	0.0218	12	4127	4143	DGAEPDKEHVIEAEIK		Mascot
1903.9396	1903.9333	-0.0063	-3	21958	21974	NVYTLEIHNATIEDSGK		Mascot
1924.0386	1923.9751	-0.0635	-33	5684	5700	INVPDRPEELEVTAITK		Mascot
1924.0386	1923.9751	-0.0635	-33	5684	5700	INVPDRPEELEVTAITK		Mascot
2010.0953	2010.0215	-0.0738	-37	7896	7913	LRVEALVSGKPAPACQWK	Carbamidomethyl (C)[15]	Mascot
2026.0928	2025.9406	-0.1522	-75	2718	2736	ITIDTKPGHSTLSIANTR		Mascot
2040.9985	2040.9497	-0.0488	-24	3224	3240	YRVTDVDEGTEVQFQVR		Mascot
2194.1389	2194.1267	-0.0122	-6	2996	3013	IESYIIEIQLKTGTEEWVR		Mascot
2211.1147	2211.1243	0.0096	4	16008	16026	VVWSVISEAMESRMVTVQK	Oxidation (M)[10,14]	Mascot
2211.1147	2211.1243	0.0096	4	16008	16026	VVWSVISEAMESRMVTVQK	Oxidation (M)[10,14]	Mascot
2230.0808	2230.2168	0.136	61	9100	9119	DSITNMWVTVSSSVVTNSFR		Mascot
2233.0076	2233.1045	0.0969	43	13973	13992	VSAENETGVGECSDLSLFYR	Carbamidomethyl (C)[12]	Mascot
2271.2019	2271.1245	-0.0774	-34	17498	17517	STQTSLRVADLLEGVPYFFK		Mascot
2283.0269	2283.2009	0.174	76	1508	1528	MDDAGEYHCKLPASETTGLK	Oxidation (M)[1]	Mascot
2284.0583	2284.1958	0.1375	60	9306	9326	ANTVNVIDCAYTVADLQEGCK	Carbamidomethyl (C)[9]	Mascot
2284.0583	2284.1958	0.1375	60	9306	9326	ANTVNVIDCAYTVADLQEGCK	Carbamidomethyl (C)[9]	Mascot
2297.2095	2297.2095	0	0	17636	17656	EPRIEPTADLSGITNQLVTSR		Mascot
2298.2703	2298.2048	-0.0655	-28	9699	9719	DTSVPLRITEFVVPNLEAGLK		Mascot
2300.1616	2300.1975	0.0359	16	11983	12003	ESAQIETSSSYTSLVIDKVSRL		Mascot
2506.3774	2506.2161	-0.1613	-64	10056	10078	AGENIKVEVPVSGRPKPTVSWQK		Mascot
2528.2258	2528.1924	-0.0334	-13	218	239	NLEEETSVLKGQPMYLTCELSK	Oxidation (M)[14]	Mascot
2719.3474	2719.3137	-0.0337	-12	16815	16838	INGLIEGLAYEFRVYAQNDAGYSR		Mascot
2719.3474	2719.3137	-0.0337	-12	16815	16838	INGLIEGLAYEFRVYAQNDAGYSR		Mascot
2741.3337	2741.3174	-0.0163	-6	2287	2311	DSVQLSWETPISNGGSMITGYIIEK	Oxidation (M)[17]	Mascot

	3337.5527	3337.8066	0.2539	76	11917	11947	LGVGEHADVAGPICPED KTEEPDLIDAEFR										Mascot
	3338.5608	3338.7876	0.2268	68	15320	15347	AWVCVSSNCHSLTYKVE DLQEGAIYYFR						Carbamidomethyl (C)[4]				Mascot
	3355.5786	3355.4919	-0.0867	-26	17987	18015	CNYTNTVTDNFTITALGE GEEYEFRVIK						Carbamidomethyl (C)[1]				Mascot
	3896.0361	3895.8374	-0.1987	-51	13375	13411	DDLGYAVTATNSVCAIT EDINIVILDKPGPTGPIK						Carbamidomethyl (C)[15]				Mascot

49 eukaryotic translation initiation factor 4 gamma, 2 [Danio rerio] gi|126567349 16939.9 6.67 5 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1574.89	1574.7871	-0.1029	-65	12	26	TQTPPLGQPPQLGLK					Mascot
1619.8058	1619.7642	-0.0416	-26	91	103	IILCSLERTDEDR			Carbamidomethyl (C)[4]		Mascot
1722.9749	1722.8663	-0.1086	-63	27	41	TNPPLIQEKPKTK					Mascot
2225.1118	2225.1379	0.0261	12	48	65	EELLKMTENIVTEYLNNR			Oxidation (M)[6]		Mascot
2225.1118	2225.1379	0.0261	12	48	65	EELLKMTENIVTEYLNNR			Oxidation (M)[6]		Mascot
2719.3218	2719.3137	-0.0081	-3	115	138	TEGFITGEHFMQALLNV LDQCPK					Mascot
2719.3218	2719.3137	-0.0081	-3	115	138	TEGFITGEHFMQALLNV LDQCPK					Mascot

50 PREDICTED: CUB and sushi domain-containing protein gi|326680801 153090 6.1 1 11 0
1-like, partial [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
2210.9878	2211.1243	0.1365	62	1048	1068	CLSISCGDPGTPPFAQM SSQK	11	0	Carbamidomethyl (C)[1]	1	Mascot

Gel Idx/Pos	197/H24	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	glucose phosphate isomerase a [Danio rerio]	gi 21426835	62045.2	6.45	7	174	100	154	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
836.426	836.4321	0.0061	7	89	95	INFTEGR					Mascot
1683.8185	1683.8304	0.0119	7	211	225	TFTTQETITNAETAR					Mascot
1683.8185	1683.8304	0.0119	7	211	225	TFTTQETITNAETAR	76	100			Mascot

	1721.9077	1721.9189	0.0112	7	423	437	ILMANFLAQTEALMR										Mascot
	1737.9026	1737.9163	0.0137	8	423	437	ILMANFLAQTEALMR						Oxidation (M)[3]				Mascot
	1753.8976	1753.9025	0.0049	3	423	437	ILMANFLAQTEALMR						Oxidation (M)[3,14]				Mascot
	1916.0752	1916.0876	0.0124	6	400	416	LIPADFLIPASQHPPIR	78		100							Mascot
	1916.0752	1916.0876	0.0124	6	400	416	LIPADFLIPASQHPPIR										Mascot
	1945.9225	1945.9434	0.0209	11	176	193	GGPNVWFVSNIDGTHMA K						Oxidation (M)[16]				Mascot
	2239.1653	2239.1309	-0.0344	-15	96	115	AVLHTALWNRNTPIMVD GK						Oxidation (M)[16]				Mascot
	2336.0076	2336.0356	0.028	12	254	272	EFGIDTNMFEFWDWVG GR						Oxidation (M)[9]				Mascot
2	Glucose phosphate isomerase a [Danio rerio]				gi 53734472		62003.2	6.45	7	174	100	154	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
836.426	836.4321	0.0061	7	89	95	INFTEGR							Mascot
880.5363	880.5409	0.0046	5	96	103	AVLHTALR							Mascot
1683.8185	1683.8304	0.0119	7	211	225	TFTTQETITNAETAR							Mascot
1683.8185	1683.8304	0.0119	7	211	225	TFTTQETITNAETAR	76		100				Mascot
1721.9077	1721.9189	0.0112	7	423	437	ILMANFLAQTEALMR							Mascot
1737.9026	1737.9163	0.0137	8	423	437	ILMANFLAQTEALMR				Oxidation (M)[3]			Mascot
1753.8976	1753.9025	0.0049	3	423	437	ILMANFLAQTEALMR				Oxidation (M)[3,14]			Mascot
1916.0752	1916.0876	0.0124	6	400	416	LIPADFLIPASQHPPIR	78		100				Mascot
1916.0752	1916.0876	0.0124	6	400	416	LIPADFLIPASQHPPIR							Mascot
1945.9225	1945.9434	0.0209	11	176	193	GGPNVWFVSNIDGTHMA K				Oxidation (M)[16]			Mascot
2336.0076	2336.0356	0.028	12	254	272	EFGIDTNMFEFWDWVG GR				Oxidation (M)[9]			Mascot

3	3-oxoacid CoA transferase 1a [Danio rerio]				gi 55925442		57166.6	8.46	6	101	100	87	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
836.397	836.4321	0.0351	42	203	208	HYIMEK				Oxidation (M)[4]			Mascot
862.4451	862.4844	0.0393	46	10	16	AENMLIR				Oxidation (M)[4]			Mascot
1659.7683	1659.7808	0.0125	8	118	131	MISSYVGENVEFER							Mascot
1675.7632	1675.7771	0.0139	8	118	131	MISSYVGENVEFER				Oxidation (M)[1]			Mascot
2132.1345	2132.1519	0.0174	8	91	111	SLTAVSNNAGVDDFGLG LLLR	87		100				Mascot
2132.1345	2132.1519	0.0174	8	91	111	SLTAVSNNAGVDDFGLG LLLR							Mascot

		2233.1345	2233.1318	-0.0027	-1	132	151	QYLSGELEVELTPQGTLA ER									Mascot
		2405.1692	2405.1887	0.0195	8	376	397	ETVTILPGAAYFSSDESF AMIR									Mascot
		2421.1643	2421.23	0.0657	27	376	397	ETVTILPGAAYFSSDESF AMIR				Oxidation (M)[20]					Mascot
4	Aldh9a1a protein [Danio rerio]						gi 44890712		55267.9	6.18	6	58	92.615	50	99.767		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1109.5044	1109.5015	-0.0029	-3	79	87	WSQLSGMER				Oxidation (M)[7]		Mascot
1146.5691	1146.5758	0.0067	6	24	33	EPLNFWGGAR						Mascot
1146.5691	1146.5758	0.0067	6	24	33	EPLNFWGGAR	50		99.767			Mascot
1341.7018	1341.7393	0.0375	28	341	352	MGALISKPHMEK						Mascot
1374.6682	1374.6765	0.0083	6	328	340	AISVGDPLCEGTR				Carbamidomethyl (C)[9]		Mascot
1555.7863	1555.7894	0.0031	2	426	440	ANNTTFGLASGVFTR						Mascot
1984.9037	1985.0155	0.1118	56	289	307	GALMANFLTQGEVCCNG TR						Mascot

5	aldehyde dehydrogenase 9 family, member A1 like 1 [Danio rerio]						gi 169158310		27261.8	6.9	2	57	90.486	50	99.767		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1109.5044	1109.5015	-0.0029	-3	79	87	WSQLSGMER				Oxidation (M)[7]		Mascot
1146.5691	1146.5758	0.0067	6	24	33	EPLNFWGGAR						Mascot
1146.5691	1146.5758	0.0067	6	24	33	EPLNFWGGAR	50		99.767			Mascot

6	pyruvate kinase isozymes M1/M2 [Danio rerio]						gi 40786398		58020.6	6.54	13	51	64.652				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
862.4781	862.4844	0.0063	7	394	400	QLFEGLR						Mascot
996.4818	996.5987	0.1169	117	491	499	VNFAMDVGK				Oxidation (M)[5]		Mascot
1109.5811	1109.5015	-0.0796	-72	272	280	LENHEGVRR						Mascot
1173.6837	1173.5945	-0.0892	-76	164	174	NITKVVEVGSK						Mascot
1179.6289	1179.6072	-0.0217	-18	58	67	SVDTLKEMIK				Oxidation (M)[8]		Mascot
1179.6289	1179.6072	-0.0217	-18	58	67	SVDTLKEMIK				Oxidation (M)[8]		Mascot
1683.7716	1683.8304	0.0588	35	281	295	FDEIMEASDGIMVAR						Mascot
1683.7716	1683.8304	0.0588	35	281	295	FDEIMEASDGIMVAR						Mascot

	1874.9507	1874.9788	0.0281	15	385	400	EAEAATFHRQLFEGLR							Mascot
	1946.0375	1945.9434	-0.0941	-48	45	63	NTGIICTIGPASRSVDTLK							Mascot
	2211.1003	2211.1235	0.0232	10	318	337	CNKAGKPIICATQMLESMLK			Oxidation (M)[14,18]				Mascot
	2243.041	2243.0886	0.0476	21	75	93	MNFSHGSHEYHGKETIKNVR							Mascot
	2366.1921	2366.2	0.0079	3	506	527	AGDVVIVLTGWRPGSGYTNTMR			Oxidation (M)[21]				Mascot
	2509.239	2509.2688	0.0298	12	94	116	EACASFEPGSIQYRPVGIALDTK			Carbamidomethyl (C)[3]				Mascot
	2570.2197	2570.2471	0.0274	11	469	490	GIFPIYYNSPSNDVWAEDVDLR							Mascot
7	Pbx2 [Danio rerio]				qi 7861936		18895.6	9.08	7	47	9.141	6	0	

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4686	864.4989	0.0303	35	153	159	SRFLDAR					Mascot
937.4771	937.477	-0.0001	0	11	18	EKTGLSMR			Oxidation (M)[7]		Mascot
1146.579	1146.5758	-0.0032	-3	84	92	NIYHTELEK					Mascot
1146.579	1146.5758	-0.0032	-3	84	92	NIYHTELEK					Mascot
1179.6442	1179.6072	-0.037	-31	1	10	ALFSVLCEIK			Carbamidomethyl (C)[7]		Mascot
1179.6732	1179.6072	-0.066	-56	132	141	KFSSIQTQLK	8	0			Mascot
1493.7563	1493.7396	-0.0167	-11	142	154	QSTCEAVMILRSR					Mascot
1493.7563	1493.7396	-0.0167	-11	142	154	QSTCEAVMILRSR					Mascot
1550.7777	1550.9001	0.1224	79	142	154	QSTCEAVMILRSR			Carbamidomethyl (C)[4]		Mascot
2283.1836	2283.2	0.0164	7	133	152	FSSIQTQLKQSTCEAVMI LR					Mascot
2299.1785	2299.2102	0.0317	14	133	152	FSSIQTQLKQSTCEAVMI LR			Oxidation (M)[17]		Mascot

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
862.4377	862.4844	0.0467	54	121	127	SDLESRR					Mascot
1045.5425	1045.5679	0.0254	24	70	77	SITRSYYR					Mascot
1146.6552	1146.5758	-0.0794	-69	47	56	MITIDGKQIK					Mascot
1146.6552	1146.5758	-0.0794	-69	47	56	MITIDGKQIK					Mascot
1475.8329	1475.7656	-0.0673	-46	78	91	GAAGALLVYDITRR					Mascot
1550.7598	1550.9001	0.1403	90	57	69	LQIWDTAGQESFR					Mascot
1874.9144	1874.9788	0.0644	34	91	105	RDTFNHLTTWLEDAR					Mascot

9	Gcat protein [Danio rerio]	2284.2256	2284.1936	-0.032	-14	9	29	YIIIGDGTGVGKSCLLQFTDK										Mascot
		2284.2256	2284.1936	-0.032	-14	9	29	YIIIGDGTGVGKSCLLQFTDK										Mascot
		2405.1548	2405.1887	0.0339	14	106	126	QHSNSNMVIMLIGNKSDL								Oxidation (M)[7,10]		Mascot
								gi 33604132	46995.1	7.24	10	44	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1259.5573	1259.6206	0.0633	50	195	204	HMDLNDLEEK			Oxidation (M)[2]		Mascot
1434.7006	1434.777	0.0764	53	260	272	GRGTDELLGVMDR			Oxidation (M)[11]		Mascot
1550.7156	1550.9001	0.1845	119	193	204	YKHMDLNDLEEK			Oxidation (M)[4]		Mascot
1705.9231	1705.9196	-0.0035	-2	104	120	AGVEALQKYGAGLSSVR					Mascot
1753.9014	1753.9025	0.0011	1	66	81	VITSKQGPICVDGSR			Carbamidomethyl (C)[11]		Mascot
1838.9355	1838.9199	-0.0156	-8	405	420	IRVQISAHTDEDIDR					Mascot
1874.9891	1874.9788	-0.0103	-5	326	343	AVELLASNEIAQSMAAK			Oxidation (M)[15]		Mascot
2132.1421	2132.1519	0.0098	5	213	232	LRLVVTDGVSMDGDVA PLK					Mascot
2132.1421	2132.1519	0.0098	5	213	232	LRLVVTDGVSMDGDVA PLK					Mascot
2283.198	2283.2	0.002	1	35	56	AFAPAAPQAVQSVLEAEL DSIR					Mascot
2284.2771	2284.1936	-0.0835	-37	283	305	ALGGAAGGYTVGPTALIE LLRQR					Mascot
2284.2771	2284.1936	-0.0835	-37	283	305	ALGGAAGGYTVGPTALIE LLRQR					Mascot

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
862.4152	862.4844	0.0692	80	2129	2136	AVEDEATK					Mascot
1109.5442	1109.5015	-0.0427	-38	2206	2215	AVADMLRSCK			Oxidation (M)[5]		Mascot
1165.6576	1165.7488	0.0912	78	1615	1625	SLAVNPKDPPK					Mascot
1179.5422	1179.6072	0.065	55	2441	2450	ADQDSQTMKR	11	0			Mascot
1179.5422	1179.6072	0.065	55	2441	2450	ADQDSQTMKR					Mascot
1234.5811	1234.6877	0.1066	86	1541	1551	ALDGAFNQENR					Mascot
1320.7271	1320.6046	-0.1225	-93	424	434	KSTVLQQQFNK					Mascot
1456.8369	1456.7791	-0.0578	-40	825	838	ILAQATSDLVNAIK					Mascot
1475.7886	1475.7656	-0.023	-16	859	872	LLADATARMVEAAK			Oxidation (M)[9]		Mascot
1493.7628	1493.7396	-0.0232	-16	1601	1614	AMLESSTGLIQTAR			Oxidation (M)[2]		Mascot

1493.7628	1493.7396	-0.0232	-16	1601	1614	AMLESSTGLIQTAR	Oxidation (M)[2]	Mascot
1555.8036	1555.7894	-0.0142	-9	1763	1776	TLAESALQMLYTAK	Oxidation (M)[9]	Mascot
1675.8003	1675.7771	-0.0232	-14	1497	1511	HTSALCNACRLASSK	Carbamidomethyl (C)[6,9]	Mascot
1705.752	1705.9196	0.1676	98	1897	1912	CAAMTAENDEIGSHIK	Oxidation (M)[4]	Mascot
1737.8477	1737.9163	0.0686	39	2472	2487	AAFEAQDDQAVMVKSK		Mascot
1753.8425	1753.9025	0.06	34	2472	2487	AAFEAQDDQAVMVKSK	Oxidation (M)[12]	Mascot
1874.8735	1874.9788	0.1053	56	1897	1913	CAAMTAENDEIGSHIKK	Carbamidomethyl (C)[1]	Mascot
1945.976	1945.9434	-0.0326	-17	889	907	EAAEGLRMATNAAQNAIK	Oxidation (M)[8]	Mascot
1946.931	1946.9777	0.0467	24	1037	1054	AQEACGPLEIDNALTMR	Oxidation (M)[16]	Mascot
2096.054	2096.0415	-0.0125	-6	1292	1310	EDQQTQVVTLNLTISMSSSK		Mascot
2211.1865	2211.1235	-0.063	-28	2059	2080	LGAASLGSEDPETQVVLI		Mascot
2225.1846	2225.1387	-0.0459	-21	718	738	VVVAPTISSPVCQEQLIEAGK	Carbamidomethyl (C)[12]	Mascot
2225.1846	2225.1387	-0.0459	-21	718	738	VVVAPTISSPVCQEQLIEAGK	Carbamidomethyl (C)[12]	Mascot
2233.0952	2233.1318	0.0366	16	1337	1357	AVTDSINQLISMCTQQAPGQK		Mascot
2243.145	2243.0886	-0.0564	-25	1727	1747	VSQMVSYFEPLIMAAIGT		Mascot
2570.2742	2570.2471	-0.0271	-11	8	30	IGVGNVVKTMQFEPSTVVYDACR	Carbamidomethyl (C)[22]	Mascot

11 PREDICTED: dynein heavy chain 7, axonemal [Danio rerio]

gi|189523512 455205.4 5.74 32 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
836.4512	836.4321	-0.0191	-23	2554	2560	YEVGLQK					Mascot
850.5032	850.546	0.0428	50	772	778	GLYKLEK					Mascot
864.4858	864.4989	0.0131	15	2545	2551	TEVMKLEK			Oxidation (M)[4]		Mascot
937.456	937.477	0.021	22	983	989	TWRDTMK					Mascot
1146.5361	1146.5758	0.0397	35	629	637	MPSIFDQHR			Oxidation (M)[1]		Mascot
1146.5361	1146.5758	0.0397	35	629	637	MPSIFDQHR			Oxidation (M)[1]		Mascot
1173.6409	1173.5945	-0.0464	-40	3980	3990	RGVALLCQLNS					Mascot
1179.6592	1179.6072	-0.052	-44	2301	2313	GHALLVGVGGSGR					Mascot
1179.6592	1179.6072	-0.052	-44	2301	2313	GHALLVGVGGSGR					Mascot
1259.6664	1259.6206	-0.0458	-36	1588	1599	VLAAALNDICEK					Mascot
1320.6464	1320.6046	-0.0418	-32	1842	1853	EMLVGGLSEETR					Mascot
1326.7164	1326.723	0.0066	5	1856	1867	HGILEHVEPPAK					Mascot
1374.8038	1374.6765	-0.1273	-93	3342	3352	LGQFQRMLIIR					Mascot
1434.7198	1434.777	0.0572	40	127	136	DILRYCYYIR			Carbamidomethyl (C)[6]		Mascot

1456.8369	1456.7791	-0.0578	-40	3214	3225	SDLLEERLQILK							Mascot
1630.7893	1630.8175	0.0282	17	3937	3949	QCYISPVYKTSER	Carbamidomethyl (C)[2]						Mascot
1659.9026	1659.7808	-0.1218	-73	937	949	LLLLQEIMDEWLK	Oxidation (M)[8]						Mascot
1721.7529	1721.9189	0.166	96	2031	2042	QWLDHWNWYDMK							Mascot
1737.7479	1737.9163	0.1684	97	2031	2042	QWLDHWNWYDMK	Oxidation (M)[11]						Mascot
1753.9921	1753.9025	-0.0896	-51	3244	3258	DKLLFSFCLTVNLLK							Mascot
1838.9105	1838.9199	0.0094	5	3931	3945	QDIPERQCYISPVYK							Mascot
1945.9187	1945.9434	0.0247	13	875	890	MVSEWAGMEFTLLPYR	Oxidation (M)[1]						Mascot
1947.0884	1946.9777	-0.1107	-57	3246	3261	LLFSFCLTVNLLKHNK	Carbamidomethyl (C)[6]						Mascot
1994.1433	1993.9888	-0.1545	-77	1930	1948	LLITHQKPTVFGPTGTG K							Mascot
1994.1433	1993.9888	-0.1545	-77	1930	1948	LLITHQKPTVFGPTGTG K							Mascot
2101.1189	2101.1472	0.0283	13	1280	1301	TLFGALHLHLGGAPEGPA GTGK							Mascot
2131.9885	2132.1519	0.1634	77	2588	2605	EVEEMMVVIQHESEEVS K							Mascot
2132.1631	2132.1519	-0.0112	-5	3778	3797	GLVVMSSAELEEVVSSILK GR	Oxidation (M)[5]						Mascot
2210.8865	2211.1235	0.237	107	3601	3618	YMTGECNYGGRVTDWD DR	Carbamidomethyl (C)[6], Oxidation (M)[2]						Mascot
2225.0154	2225.1387	0.1233	55	3226	3243	DHFTYSLYCNVCRSLFEK							Mascot
2225.0154	2225.1387	0.1233	55	3226	3243	DHFTYSLYCNVCRSLFEK							Mascot
2243.1377	2243.0886	-0.0491	-22	3664	3684	TLPLNPSPEIFGMNANAD ITK							Mascot
2283.2383	2283.2	-0.0383	-17	3806	3825	SYPSLKPLGGYISDFLER LK							Mascot
2284.1025	2284.1936	0.0911	40	3024	3044	QGGSVCIIRLGDSTIEYAP DFR							Mascot
2284.1025	2284.1936	0.0911	40	3024	3044	QGGSVCIIRLGDSTIEYAP DFR							Mascot
2299.2439	2299.2102	-0.0337	-15	2152	2172	VIQGICLSRPETADDLTAI KR							Mascot
2366.196	2366.2	0.004	2	3270	3291	FLLTGGVGLDNPHSNPC TWLPK							Mascot
2421.147	2421.23	0.083	34	704	723	GINQEEEAFDWPVSQYP QRK							Mascot

12 RecName: Full=Protein groucho-1 gi|3122951 57324.2 6.9 10 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
862.3802	862.4844	0.1042	121	77	83	DHPHNDK				Mascot
1045.5459	1045.5679	0.022	21	300	308	SCKLLPDGR		Carbamidomethyl (C)[2]		Mascot
1555.6792	1555.7894	0.1102	71	503	517	ESSSVLSCDISADDK				Mascot
1874.9091	1874.9788	0.0697	37	55	74	KDAPNSPASVASSGSTP SSK				Mascot
1945.9462	1945.9434	-0.0028	-1	56	76	DAPNSPASVASSGSTPS				Mascot

	2112.9404	2113.1917	0.2513	119	376	395	SKAK QFQGHTDGASCIDISHDG PK										Mascot
	2239.1499	2239.1309	-0.019	-8	242	262	QINTLSHGVEVCAVTISN PTR										Mascot
	2336.1526	2336.0356	-0.117	-50	457	476	YQLHLHESCVLSLK SAYC GK						Carbamidomethyl (C)[9]				Mascot
	2570.4187	2570.2471	-0.1716	-67	309	332	TLIAGGEVSTLTWDLAS QTPRIK										Mascot
	3337.7434	3337.8074	0.064	19	98	130	NDAPTPGTSNTPLRLPR PGKPPGMEALTAPALR										Mascot
13	Zgc:162848 protein [Danio rerio]					gi 141795670	51350.1	5.88	10	39	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
864.4573	864.4989	0.0416	48	264	270	FTVDNLR						Mascot
1045.5411	1045.5679	0.0268	26	174	182	DAVEEELLK						Mascot
1146.6187	1146.5758	-0.0429	-37	414	423	LNLEKDIACK						Mascot
1146.6187	1146.5758	-0.0429	-37	414	423	LNLEKDIACK						Mascot
1259.6954	1259.6206	-0.0748	-59	87	98	ALKAETDAATLR						Mascot
1320.6147	1320.6046	-0.0101	-8	365	374	TLRPNMEQCR				Carbamidomethyl (C)[9], Oxidation (M)[6]		Mascot
1475.7812	1475.7656	-0.0156	-11	128	140	LSAETDLQISSRR						Mascot
1555.7356	1555.7894	0.0538	35	307	319	AFTQRCVEMSQAK				Carbamidomethyl (C)[6]		Mascot
1630.8759	1630.8175	-0.0584	-36	285	298	LTERVLQGTTEDLR						Mascot
2283.0823	2283.2	0.1177	52	245	263	HPSSAVLQDQVCDEEVW RK				Carbamidomethyl (C)[12]		Mascot
2405.238	2405.1887	-0.0493	-20	142	163	LEKALDATEIPFAIATDNL TCR						Mascot

14	T-complex protein 1 subunit delta [Danio rerio]					gi 41053686	56937.3	6.38	8	38	0	17	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
862.5253	862.4844	-0.0409	-47	314	320	MKIMVIK						Mascot
1045.6074	1045.5679	-0.0395	-38	287	296	AGCTVLLIQK						Mascot
1173.666	1173.5945	-0.0715	-61	367	378	LVKITGCASPGK						Mascot
1456.7794	1456.7791	-0.0003	0	301	313	DALSDLALHFLNK						Mascot
1550.89	1550.9001	0.0101	7	414	429	ALIAGGGAPEIELALR						Mascot
1683.9032	1683.8304	-0.0728	-43	398	411	SIHDALCVIRCLVK				Carbamidomethyl (C)[7,11]		Mascot
1683.9032	1683.8304	-0.0728	-43	398	411	SIHDALCVIRCLVK				Carbamidomethyl (C)[7,11]		Mascot
1800.0112	1799.9769	-0.0343	-19	138	154	GVEVLTSISTPLLLSDR	17		0			Mascot
1800.0112	1799.9769	-0.0343	-19	138	154	GVEVLTSISTPLLLSDR						Mascot

	1945.9258	1945.9434	0.0176	9	430	446	LAEYARSLGGMEAYCVR					Carbamidomethyl (C)[15]	Mascot
15	glucocorticoid receptor beta [Danio rerio]				gi 151177061		80782	6.02	12	38	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4608	864.4989	0.0381	44	528	534	LMTTLNR			Oxidation (M)[2]		Mascot
1045.5941	1045.5679	-0.0262	-25	546	554	WAKALPGFR					Mascot
1146.5936	1146.5758	-0.0178	-16	427	435	NDCIIDKIR			Carbamidomethyl (C)[3]		Mascot
1146.5936	1146.5758	-0.0178	-16	427	435	NDCIIDKIR			Carbamidomethyl (C)[3]		Mascot
1493.7594	1493.7396	-0.0198	-13	647	659	DGLKSQSVFDEL					Mascot
1493.7594	1493.7396	-0.0198	-13	647	659	DGLKSQSVFDEL					Mascot
1630.7866	1630.8175	0.0309	19	413	426	RAVEGQHNYLCAGR			Carbamidomethyl (C)[11]		Mascot
1799.9935	1799.9769	-0.0166	-9	256	271	VEKDSIIQLCTPGVIK			Carbamidomethyl (C)[10]		Mascot
1799.9935	1799.9769	-0.0166	-9	256	271	VEKDSIIQLCTPGVIK			Carbamidomethyl (C)[10]		Mascot
2132.0012	2132.1519	0.1507	71	339	358	SQGFGNVSGMQQRASL CFSK					Mascot
2132.0012	2132.1519	0.1507	71	339	358	SQGFGNVSGMQQRASL CFSK					Mascot
2233.0002	2233.1318	0.1316	59	359	380	NFSSSPYSRPEDSTATSS AGGK					Mascot
2284.0979	2284.1936	0.0957	42	507	527	AIEPDTLYAGYDSTIPDTS VR					Mascot
2284.0979	2284.1936	0.0957	42	507	527	AIEPDTLYAGYDSTIPDTS VR					Mascot
2405.0061	2405.1887	0.1826	76	386	408	ICLVCSDEASGCHYGVLTCGSK			Carbamidomethyl (C)[2]		Mascot
2872.2554	2872.4038	0.1484	52	381	408	TGTHKICLVCSDEASGCHYGVLTCGSK					Mascot
3337.6377	3337.8074	0.1697	51	708	737	KPCLSLQLQSPSELGCLL PLDGCQFQRQFSN			Carbamidomethyl (C)[3]		Mascot

16	Nr3c1 protein [Danio rerio]				gi 112180673		50378.4	5.06	9	36	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.5272	1045.5679	0.0407	39	2	11	DQGGLENGKK					Mascot
1146.5936	1146.5758	-0.0178	-16	427	435	NDCIIDKIR			Carbamidomethyl (C)[3]		Mascot
1146.5936	1146.5758	-0.0178	-16	427	435	NDCIIDKIR			Carbamidomethyl (C)[3]		Mascot
1555.71	1555.7894	0.0794	51	446	459	KCLMAGMNLEGNMK			Oxidation (M)[4]		Mascot
1630.7866	1630.8175	0.0309	19	413	426	RAVEGQHNYLCAGR			Carbamidomethyl (C)[11]		Mascot
1799.9935	1799.9769	-0.0166	-9	256	271	VEKDSIIQLCTPGVIK			Carbamidomethyl (C)[10]		Mascot
1799.9935	1799.9769	-0.0166	-9	256	271	VEKDSIIQLCTPGVIK			Carbamidomethyl (C)[10]		Mascot

	2132.0012	2132.1519	0.1507	71	339	358	SQGFGNVSGMQQRASL CFSK						Mascot
	2132.0012	2132.1519	0.1507	71	339	358	SQGFGNVSGMQQRASL CFSK						Mascot
	2233.0002	2233.1318	0.1316	59	359	380	NFSSSPYSRPEDSTATSS AGGK						Mascot
	2405.0061	2405.1887	0.1826	76	386	408	ICLVCSDEASGCHYGVLTCGSK			Carbamidomethyl (C)[2]			Mascot
	2872.2554	2872.4038	0.1484	52	381	408	TGTHKICLVCSDEASGCHYGVLTCGSK						Mascot
17	novel protein similar to vertebrate hect domain and RLD gi 220672977 3 (HERC3) [Danio rerio]												
							37519.2	8.94	8	36	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5569	842.514	-0.0429	-51	55	61	VSVLRRLR					Mascot
864.4131	864.4989	0.0858	99	106	113	STECSPK					Mascot
1259.7469	1259.6206	-0.1263	-100	212	222	FVPTVNSLKR					Mascot
1721.8778	1721.9189	0.0411	24	83	99	LIVCGEYGAVLLDDGGK					Mascot
1799.9109	1799.9769	0.066	37	35	51	SAVQDMSAGKSFVGFIR					Mascot
1799.9109	1799.9769	0.066	37	35	51	SAVQDMSAGKSFVGFIR					Mascot
1985.0233	1985.0155	-0.0078	-4	277	295	VSQVTCGRNHTLVSTASPK					Mascot
2421.2766	2421.23	-0.0466	-19	83	105	LIVCGEYGAVLLDDGGKV LIMDK					Mascot
3337.6304	3337.8074	0.177	53	285	315	NHTLVSTASPKLIYSFGC GMQQLGNGEQVK			Carbamidomethyl (C)[18], Oxidation (M)[20]		Mascot

18 novel tub family member protein [Danio rerio] gi|94734500 20384.7 8.44 6 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
862.4814	862.4844	0.003	3	165	171	KQMKPSK			Oxidation (M)[3]		Mascot
1234.5433	1234.6877	0.1444	117	141	151	KPESESEDEGK					Mascot
1259.6477	1259.6206	-0.0271	-22	90	100	AALVEENEKK					Mascot
1705.7511	1705.9196	0.1685	99	56	71	HSTTSLDLDGQADEK					Mascot
1985.0801	1985.0155	-0.0646	-33	30	47	TEEASEEIAQTVPIIKK					Mascot
2299.0571	2299.2102	0.1531	67	120	140	TGEQSSVQTDSVVDFSIN EEK					Mascot

19 Zgc:161981 [Danio rerio] gi|134026282 48921.5 6.76 9 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	880.4886	880.5409	0.0523	59	245	252	AHVPESLK										Mascot
	1165.6034	1165.7488	0.1454	125	1	10	MSLVDFLQGR										Mascot
	1193.6313	1193.6188	-0.0125	-10	219	227	WLDNYQKVK										Mascot
	1320.6001	1320.6046	0.0045	3	61	70	QCLQDIDSWR					Carbamidomethyl (C)[2]					Mascot
	1456.8634	1456.7791	-0.0843	-58	167	178	DLLVVPLQRFTR										Mascot
	1493.7239	1493.7396	0.0157	11	114	126	KAFSESICHCLQK										Mascot
	1493.7239	1493.7396	0.0157	11	114	126	KAFSESICHCLQK										Mascot
	1550.8649	1550.9001	0.0352	23	394	407	AVSSLLKQDSLHPR										Mascot
	2283.9646	2284.1936	0.229	100	95	113	EMWTDPDSCSTQSLHDL FR					Oxidation (M)[2]					Mascot
	2283.9646	2284.1936	0.229	100	95	113	EMWTDPDSCSTQSLHDL FR					Oxidation (M)[2]					Mascot
	2509.4612	2509.2688	-0.1924	-77	253	274	HLLKPVTLENLVINRSLH DGK										Mascot
20	pleckstrin homology domain-containing family G member 7 [Danio rerio]				gi 113681918		49035.5	6.76	9	35	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
880.4886	880.5409	0.0523	59	245	252	AHVPESLK					Mascot
1165.6034	1165.7488	0.1454	125	1	10	MSLVDFLQGR					Mascot
1193.6313	1193.6188	-0.0125	-10	219	227	WLDNYQKVK					Mascot
1320.6001	1320.6046	0.0045	3	61	70	QCLQDIDSWR			Carbamidomethyl (C)[2]		Mascot
1456.8634	1456.7791	-0.0843	-58	167	178	DLLVVPLQRFTR					Mascot
1493.7239	1493.7396	0.0157	11	114	126	KAFSESICHCLQK					Mascot
1493.7239	1493.7396	0.0157	11	114	126	KAFSESICHCLQK					Mascot
1550.8649	1550.9001	0.0352	23	395	408	AVSSLLKQDSLHPR					Mascot
2283.9646	2284.1936	0.229	100	95	113	EMWTDPDSCSTQSLHDL FR			Oxidation (M)[2]		Mascot
2283.9646	2284.1936	0.229	100	95	113	EMWTDPDSCSTQSLHDL FR			Oxidation (M)[2]		Mascot
2509.4612	2509.2688	-0.1924	-77	253	274	HLLKPVTLENLVINRSLH DGK					Mascot

21 CTTNBP2 N-terminal-like protein [Danio rerio] gi|116517238 65830.4 6.2 10 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
937.4659	937.477	0.0111	12	1	8	MNVETLSK			Oxidation (M)[1]		Mascot
996.5836	996.5987	0.0151	15	520	529	SPGILSPGIR					Mascot
1045.5411	1045.5679	0.0268	26	130	138	VIADLEEEK					Mascot

1179.5319	1179.6072	0.0753	64	104	113	LVMAHCTNMK	Oxidation (M)[3,9]	Mascot
1179.5319	1179.6072	0.0753	64	104	113	LVMAHCTNMK	Oxidation (M)[3,9]	Mascot
1320.5663	1320.6046	0.0383	29	79	90	DSELSQAQDDGR		Mascot
1493.6909	1493.7396	0.0487	33	104	115	LVMAHCTNMKEK	Carbamidomethyl (C)[6], Oxidation (M)[3,9]	Mascot
1493.6909	1493.7396	0.0487	33	104	115	LVMAHCTNMKEK	Carbamidomethyl (C)[6], Oxidation (M)[3,9]	Mascot
1659.9905	1659.7808	-0.2097	-126	520	535	SPGILSPGIRSPIIPR		Mascot
1712.929	1712.8773	-0.0517	-30	162	175	LLQQLESERAQLER		Mascot
1994.1029	1993.9888	-0.1141	-57	509	529	NLAAASSPTGKSPGILSP GIR		Mascot
1994.1029	1993.9888	-0.1141	-57	509	529	NLAAASSPTGKSPGILSP GIR		Mascot
2132.1345	2132.1519	0.0174	8	312	332	IPHKATSGITPPVSQVEA DGK		Mascot
2132.1345	2132.1519	0.0174	8	312	332	IPHKATSGITPPVSQVEA DGK		Mascot

22 novel protein (zgc:92693) [Danio rerio] gi|94733673 22312.9 9.64 6 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
836.4161	836.4321	0.016	19	154	159	RFGDWR					Mascot
1259.5759	1259.6206	0.0447	35	51	62	CYMQTASIGASK					Mascot
1374.6913	1374.6765	-0.0148	-11	33	44	LSGSYAHQGLWR					Mascot
1984.9619	1985.0155	0.0536	27	51	68	CYMQTASIGASKYPLSHK					Mascot
2100.9741	2101.1472	0.1731	82	33	50	LSGSYAHQGLWRYCMA NK			Oxidation (M)[15]		Mascot
3337.5493	3337.8074	0.2581	77	160	186	FSWSYILGWVAMLMTFF AGIFYMCAHR			Carbamidomethyl (C)[24], Oxidation (M)[12,14]		Mascot

23 glucocorticoid receptor [Danio rerio] gi|99028943 81868.7 6.07 11 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4608	864.4989	0.0381	44	528	534	LMTTLNR			Oxidation (M)[2]		Mascot
1045.5941	1045.5679	-0.0262	-25	546	554	WAKALPGFR					Mascot
1146.5936	1146.5758	-0.0178	-16	427	435	NDCIIDKIR			Carbamidomethyl (C)[3]		Mascot
1146.5936	1146.5758	-0.0178	-16	427	435	NDCIIDKIR			Carbamidomethyl (C)[3]		Mascot
1493.7594	1493.7396	-0.0198	-13	647	659	DGLKSQSVFDELRL					Mascot
1493.7594	1493.7396	-0.0198	-13	647	659	DGLKSQSVFDELRL					Mascot
1630.7866	1630.8175	0.0309	19	413	426	RAVEGQHNYLCAGR			Carbamidomethyl (C)[11]		Mascot
1799.9935	1799.9769	-0.0166	-9	256	271	VEKDSIIQLCTPGVIK			Carbamidomethyl (C)[10]		Mascot

1799.9935	1799.9769	-0.0166	-9	256	271	VEKDSIIQLCTPGVIK	Carbamidomethyl (C)[10]	Mascot
2132.0012	2132.1519	0.1507	71	339	358	SQGFGNVSGMQQRASL CFSK		Mascot
2132.0012	2132.1519	0.1507	71	339	358	SQGFGNVSGMQQRASL CFSK		Mascot
2233.0002	2233.1318	0.1316	59	359	380	NFSSSPYSRPEDSTATSS AGGK		Mascot
2284.0979	2284.1936	0.0957	42	507	527	AIEPDTLYAGYDSTIPDTS VR		Mascot
2284.0979	2284.1936	0.0957	42	507	527	AIEPDTLYAGYDSTIPDTS VR		Mascot
2405.0061	2405.1887	0.1826	76	386	408	ICLVCSDEASGCHYGVLTCGSK	Carbamidomethyl (C)[2]	Mascot
2872.2554	2872.4038	0.1484	52	381	408	TGTHKICLVCSDEASGCHYGVLTCGSK		Mascot

24 2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial [Danio rerio] gi|289191367 46423.8 7.59 9 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1259.5573	1259.6206	0.0633	50	190	199	HMDLNDLEEK			Oxidation (M)[2]		Mascot
1434.7006	1434.777	0.0764	53	255	267	GRGTDELLGVMDR			Oxidation (M)[11]		Mascot
1550.7156	1550.9001	0.1845	119	188	199	YKHMDLNDLEEK			Oxidation (M)[4]		Mascot
1705.9231	1705.9196	-0.0035	-2	99	115	AGVEALQKYGAGLSSVR					Mascot
1753.9014	1753.9025	0.0011	1	61	76	VITSKQGPICVDGSR			Carbamidomethyl (C)[11]		Mascot
1838.9355	1838.9199	-0.0156	-8	400	415	IRVQISAHTDEDIDR					Mascot
1874.9891	1874.9788	-0.0103	-5	321	338	AVELLASNEIAQSMAAK			Oxidation (M)[15]		Mascot
2132.1421	2132.1519	0.0098	5	208	227	LRLVVTDGVFMSMDGDVA PLK					Mascot
2132.1421	2132.1519	0.0098	5	208	227	LRLVVTDGVFMSMDGDVA PLK					Mascot
2283.198	2283.2	0.002	1	30	51	AFAPAAPQAVQSVLEAEL DSIR					Mascot

25 PREDICTED: oxysterol-binding protein 2 [Danio rerio] gi|125828542 84475.7 5.89 11 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5525	1045.5679	0.0154	15	178	187	APTDGTDKLLK					Mascot
1341.8464	1341.7393	-0.1071	-80	136	148	ALIQQALKTLVSK					Mascot
1374.6318	1374.6765	0.0447	33	590	603	IIESSHACGGSEGK					Mascot
1434.7145	1434.777	0.0625	44	149	161	LEDLSTCNELIGK					Mascot
1630.7853	1630.8175	0.0322	20	590	605	IIESSHACGGSEGKQK					Mascot
1683.9614	1683.8304	-0.131	-78	486	500	GKYISIMPLGNIHLK					Mascot

	1683.9614	1683.8304	-0.131	-78	486	500	GKYISIMPLGNIHLK									Mascot
	1994.0818	1993.9888	-0.093	-47	525	541	LWIDQSGDIIIVNHRSK									Mascot
	1994.0818	1993.9888	-0.093	-47	525	541	LWIDQSGDIIIVNHRSK									Mascot
	2225.1343	2225.1387	0.0044	2	149	168	LEDLSTCNELIGKHGAAL QR					Carbamidomethyl (C)[7]				Mascot
	2225.1343	2225.1387	0.0044	2	149	168	LEDLSTCNELIGKHGAAL QR					Carbamidomethyl (C)[7]				Mascot
	2299.0222	2299.2102	0.188	82	712	731	TDLETGESSFMYKGGYW EAK									Mascot
	2421.1567	2421.23	0.0733	30	562	584	VTGVVTDGEGSAHYILSG TWDEK									Mascot
	2872.4514	2872.4038	-0.0476	-17	426	449	IGKPFNPLLGETYELDRL EEYGYR									Mascot

26

novel protein similar to H.sapiens LYST, lysosomal trafficking regulator (LYST) [Danio rerio]

gi|220675907

58282.5

6.38

9

33

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5863	1045.5679	-0.0184	-18	308	316	CIVGYHILK					Mascot
1193.5177	1193.6188	0.1011	85	1	10	ICIDPNDEMK			Oxidation (M)[9]		Mascot
1234.5442	1234.6877	0.1435	116	1	10	ICIDPNDEMK			Carbamidomethyl (C)[2]		Mascot
1456.7729	1456.7791	0.0062	4	404	415	FLLACQVLQEHR					Mascot
1683.7941	1683.8304	0.0363	22	487	501	VQSMMYLRHSSSGGK			Oxidation (M)[4]		Mascot
1683.7941	1683.8304	0.0363	22	487	501	VQSMMYLRHSSSGGK			Oxidation (M)[4]		Mascot
1753.9078	1753.9025	-0.0053	-3	11	28	AGLLAQAESGDEVIPAGR					Mascot
1799.9075	1799.9769	0.0694	39	29	43	WQHLALTYTQQPEGK					Mascot
1799.9075	1799.9769	0.0694	39	29	43	WQHLALTYTQQPEGK					Mascot
2225.1052	2225.1387	0.0335	15	148	165	YVTQEGQLQCEQIRELLMR			Oxidation (M)[17]		Mascot
2225.1052	2225.1387	0.0335	15	148	165	YVTQEGQLQCEQIRELLMR			Oxidation (M)[17]		Mascot
2284.2847	2284.1936	-0.0911	-40	365	384	AQCGVWETLLTALEILIRV R					Mascot
2284.2847	2284.1936	-0.0911	-40	365	384	AQCGVWETLLTALEILIRV R					Mascot
2366.0288	2366.2	0.1712	72	81	101	TYCMLGHYQHSAAEQAS PSAR					Mascot

27

Pkm2a protein [Danio rerio]

gi|45501385

58075.7

6.36

10

33

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.4818	996.5987	0.1169	117	491	499	VNFAMDVGK			Oxidation (M)[5]		Mascot
1109.5811	1109.5015	-0.0796	-72	272	280	LENHEGVRR					Mascot
1173.6837	1173.5945	-0.0892	-76	164	174	NITKVVEVGSK					Mascot

	1179.6289	1179.6072	-0.0217	-18	58	67	SVDTLKEMIK					Oxidation (M)[8]	Mascot
	1179.6289	1179.6072	-0.0217	-18	58	67	SVDTLKEMIK					Oxidation (M)[8]	Mascot
	1683.7716	1683.8304	0.0588	35	281	295	FDEIMEASDGIMVAR						Mascot
	1683.7716	1683.8304	0.0588	35	281	295	FDEIMEASDGIMVAR						Mascot
	1946.0375	1945.9434	-0.0941	-48	45	63	NTGIICTIGPASRSVDTLK						Mascot
	2211.1003	2211.1235	0.0232	10	318	337	CNKAGKPIICATQMLES MIK					Oxidation (M)[14, 18]	Mascot
	2243.041	2243.0886	0.0476	21	75	93	MNFSGHSHEYHGETIK NVR						Mascot
	2366.1921	2366.2	0.0079	3	506	527	AGDVVIVLTGWRPGSGY TNTMR					Oxidation (M)[21]	Mascot
	2570.2197	2570.2471	0.0274	11	469	490	GIFPIYYNSPSNDVWAED VDLR						Mascot
28	Cct4 protein [Danio rerio]				gi 40807135		56956.3	6.58	7	33	0	17	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
862.5253	862.4844	-0.0409	-47	314	320	MKIMVIK					Mascot
1045.6074	1045.5679	-0.0395	-38	287	296	AGCTVLLIQK					Mascot
1173.666	1173.5945	-0.0715	-61	367	378	LVKITGCASPGK					Mascot
1456.7794	1456.7791	-0.0003	0	301	313	DALSDLALHFLNK					Mascot
1550.89	1550.9001	0.0101	7	414	429	ALIAGGGAPEIELALR					Mascot
1800.0112	1799.9769	-0.0343	-19	138	154	GVEVLTSISTPLLLSDR	17	0			Mascot
1800.0112	1799.9769	-0.0343	-19	138	154	GVEVLTSISTPLLLSDR					Mascot
1945.9258	1945.9434	0.0176	9	430	446	LAEYARSLGGMEAYCVR			Carbamidomethyl (C)[15]		Mascot

29 PREDICTED: gastrula zinc finger protein XICGF57.1-like [Danio rerio]

gi|326667353 26141.3 9.52 8 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1146.5724	1146.5758	0.0034	3	74	83	SFNCLAHLNK					Mascot
1146.5724	1146.5758	0.0034	3	74	83	SFNCLAHLNK					Mascot
1493.7166	1493.7396	0.023	15	186	198	SFSQSSSLNLHMR					Mascot
1493.7166	1493.7396	0.023	15	186	198	SFSQSSSLNLHMR					Mascot
1555.6741	1555.7894	0.1153	74	130	142	SFSCSSDINRHMR			Oxidation (M)[12]		Mascot
1675.8472	1675.7771	-0.0701	-42	199	213	IHTGEKPITCTQYQK					Mascot
1993.9404	1993.9888	0.0484	24	1	17	MRIHTGEKPFCTQCGK			Carbamidomethyl (C)[12]		Mascot
1993.9404	1993.9888	0.0484	24	1	17	MRIHTGEKPFCTQCGK			Carbamidomethyl (C)[12]		Mascot

	2112.9888	2113.1917	0.2029	96	84	101	HMRIHTGEKPWTCTQCG K						Mascot
	2211.0435	2211.1235	0.08	36	3	21	IHTGEKPFCTQCGKSFN R	Carbamidomethyl (C)[10]					Mascot
	2243.0266	2243.0886	0.062	28	84	101	HMRIHTGEKPWTCTQCG K	Carbamidomethyl (C)[13,16], Oxidation (M)[2]					Mascot
	2284.0532	2284.1936	0.1404	61	111	129	HHMRIHTGEKPFCTQCG GK	Carbamidomethyl (C)[14], Oxidation (M)[3]					Mascot
	2284.0532	2284.1936	0.1404	61	111	129	HHMRIHTGEKPFCTQCG GK	Carbamidomethyl (C)[14], Oxidation (M)[3]					Mascot
30	hippocalcin-like protein 4 [Danio rerio]				gi 167963532		22084.8	4.91	7	32	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
836.4875	836.4321	-0.0554	-66	151	157	VDKIFSK					Mascot
1475.6649	1475.7656	0.1007	68	161	172	DHNDEISLEEFK					Mascot
1630.7854	1630.8175	0.0321	20	140	153	MNEDGLTPQQRVDK					Mascot
1705.85	1705.9196	0.0696	41	177	191	SDPSIVLLQLCDMQK			Oxidation (M)[13]		Mascot
1874.8766	1874.9788	0.1022	55	161	176	DHNDEISLEEFKEAAK					Mascot
1915.9583	1916.0876	0.1293	67	84	100	EFICALSITSRGSFEQK					Mascot
1915.9583	1916.0876	0.1293	67	84	100	EFICALSITSRGSFEQK					Mascot
2096.0369	2096.0415	0.0046	2	37	54	DCPSGILNLEEFQQLYVK					Mascot

31	LOC559407 protein [Danio rerio]				gi 108742068		52727.9	5.76	9	32	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4573	864.4989	0.0416	48	276	282	FTVDNLR					Mascot
1045.5411	1045.5679	0.0268	26	186	194	DAVEEELLK					Mascot
1146.6187	1146.5758	-0.0429	-37	426	435	LNLEKDIACK					Mascot
1146.6187	1146.5758	-0.0429	-37	426	435	LNLEKDIACK					Mascot
1259.6954	1259.6206	-0.0748	-59	99	110	ALKAETDAATLR					Mascot
1320.6147	1320.6046	-0.0101	-8	377	386	TLRPNMEQCR			Carbamidomethyl (C)[9], Oxidation (M)[6]		Mascot
1475.7812	1475.7656	-0.0156	-11	140	152	LSAETDLQISSRR					Mascot
1555.7356	1555.7894	0.0538	35	319	331	AFTQRCVEMSQAK			Carbamidomethyl (C)[6]		Mascot
2283.0823	2283.2	0.1177	52	257	275	HPSSAVLQDQVCDEEVW RK			Carbamidomethyl (C)[12]		Mascot
2405.238	2405.1887	-0.0493	-20	154	175	LEKALDATEIPFAIATDNL TCR					Mascot

32	dedicator of cytokinesis protein 5 [Danio rerio]				gi 158517919		214626	6.83	20	32	0		
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Peptide Information

	Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	836.4004	836.4321	0.0317	38	303	309 VGCMELK			Carbamidomethyl (C)[3]		Mascot
	880.4271	880.5409	0.1138	129	1576	1582 NPDHLER					Mascot
	937.4084	937.477	0.0686	73	262	269 WDSTGMPK			Oxidation (M)[6]		Mascot
	1045.5724	1045.5679	-0.0045	-4	525	532 CHLRLTFR					Mascot
	1109.533	1109.5015	-0.0315	-28	303	312 VGCMELKEGK			Oxidation (M)[4]		Mascot
	1146.655	1146.5758	-0.0792	-69	1314	1323 AIEMAKQLVK			Oxidation (M)[4]		Mascot
	1146.655	1146.5758	-0.0792	-69	1314	1323 AIEMAKQLVK			Oxidation (M)[4]		Mascot
	1165.6	1165.7488	0.1488	128	722	731 HFSATLAYQK					Mascot
	1374.6794	1374.6765	-0.0029	-2	1526	1537 LSNLVQQQACDR					Mascot
	1434.7838	1434.777	-0.0068	-5	829	841 VFDAVELSVQLSK					Mascot
	1456.827	1456.7791	-0.0479	-33	1843	1855 VENKPPPPPPKTR					Mascot
	1475.6471	1475.7656	0.1185	80	1856	1867 KSMFPTYESNQK			Oxidation (M)[3]		Mascot
	1630.7893	1630.8175	0.0282	17	116	128 NVQQMAYSLIEYR			Oxidation (M)[5]		Mascot
	1705.8287	1705.9196	0.0909	53	1218	1231 MSCTVNLLNFYKEK			Oxidation (M)[1]		Mascot
	1721.9506	1721.9189	-0.0317	-18	1633	1647 LYGVITLPCSLTEKK			Carbamidomethyl (C)[9]		Mascot
	1737.8993	1737.9163	0.017	10	842	855 FIESIPDFQMVRQK					Mascot
	1753.8942	1753.9025	0.0083	5	842	855 FIESIPDFQMVRQK			Oxidation (M)[10]		Mascot
	1800.0629	1799.9769	-0.086	-48	813	828 GAILKYLPTIINDLQK					Mascot
	1800.0629	1799.9769	-0.086	-48	813	828 GAILKYLPTIINDLQK					Mascot
	1874.8378	1874.9788	0.141	75	962	976 QMEDAHYAQYINTFK			Oxidation (M)[2]		Mascot
	2131.9866	2132.1519	0.1653	78	962	978 QMEDAHYAQYINTFKTR			Oxidation (M)[2]		Mascot
	2131.9866	2132.1519	0.1653	78	962	978 QMEDAHYAQYINTFKTR			Oxidation (M)[2]		Mascot
	2243.0801	2243.0886	0.0085	4	251	269 SEFISENFLVRWDSTGMP K					Mascot
	2283.3799	2283.2	-0.1799	-79	1583	1602 IEVLKHLIALQIPLLDEGIR					Mascot

33 Gcat protein [Danio rerio] gi|45709109 49581.6 8.43 9 32 0

Peptide Information

	Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1259.5573	1259.6206	0.0633	50	217	226 HMDLNDLEEK			Oxidation (M)[2]		Mascot
	1434.7006	1434.777	0.0764	53	282	294 GRGTDELLGVMDR			Oxidation (M)[11]		Mascot
	1550.7156	1550.9001	0.1845	119	215	226 YKHMDLNDLEEK			Oxidation (M)[4]		Mascot
	1705.9231	1705.9196	-0.0035	-2	126	142 AGVEALQKYGAGLSSVR					Mascot
	1753.9014	1753.9025	0.0011	1	88	103 VITSKQGPHICVDGSR			Carbamidomethyl (C)[11]		Mascot

	1838.9355	1838.9199	-0.0156	-8	427	442	IRVQISAAHTDEDIDR						Mascot
	1874.9891	1874.9788	-0.0103	-5	348	365	AVELLASNEIAQSMAAK			Oxidation (M)[15]			Mascot
	2132.1421	2132.1519	0.0098	5	235	254	LRLVVTDGVFSDGDVA PLK						Mascot
	2132.1421	2132.1519	0.0098	5	235	254	LRLVVTDGVFSDGDVA PLK						Mascot
	2283.198	2283.2	0.002	1	57	78	AFAPAAPQAVQSVLEAEL DSIR						Mascot
34	PREDICTED: fer-1-like protein 6-like [Danio rerio]				gi 326670557		203004.8	5.74	18	32	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1173.6483	1173.5945	-0.0538	-46	160	169	LSVMHSKIMK					Mascot
	1193.6195	1193.6188	-0.0007	-1	270	280	INSSIMANVTK			Oxidation (M)[6]		Mascot
	1320.6431	1320.6046	-0.0385	-29	729	739	DLLFSESPEQR					Mascot
	1326.6722	1326.723	0.0508	38	210	221	GYLKCDISVSGK			Carbamidomethyl (C)[5]		Mascot
	1434.7231	1434.777	0.0539	38	324	334	EMFPPLCQRLK			Carbamidomethyl (C)[7], Oxidation (M)[2]		Mascot
	1555.7878	1555.7894	0.0016	1	1759	1770	CFHFLIWGNYYK					Mascot
	1675.8398	1675.7771	-0.0627	-37	543	557	STTTPERPIFGDAQR					Mascot
	1712.9694	1712.8773	-0.0921	-54	1062	1077	STLVGSHVINNLALFK					Mascot
	1753.8578	1753.9025	0.0447	25	767	781	LDVFLWLGTCAESSR			Carbamidomethyl (C)[10]		Mascot
	1838.9041	1838.9199	0.0158	9	610	624	MLSPEAWSLMHHVLR			Oxidation (M)[1,10]		Mascot
	1874.8597	1874.9788	0.1191	64	1448	1464	VFMGKTVFPDEGSVCCR					Mascot
	1993.925	1993.9888	0.0638	32	1150	1166	RTTADESADNVIDWWSK					Mascot
	1993.925	1993.9888	0.0638	32	1150	1166	RTTADESADNVIDWWSK					Mascot
	2113.0864	2113.1917	0.1053	50	1343	1360	QLNPVFGRSFEFQATFP K					Mascot
	2211.1147	2211.1235	0.0088	4	1679	1696	MEMLTELTENISIFQQKR					Mascot
	2225.1196	2225.1387	0.0191	9	1713	1732	VEAEFHLVTAEAEKNPV GR					Mascot
	2225.1196	2225.1387	0.0191	9	1713	1732	VEAEFHLVTAEAEKNPV GR					Mascot
	2233.1455	2233.1318	-0.0137	-6	522	542	KLEDVSVTAPLLDTTATM PCK					Mascot
	2239.1262	2239.1309	0.0047	2	610	627	MLSPEAWSLMHHVLR REF					Mascot
	2243.1045	2243.0886	-0.0159	-7	1679	1696	MEMLTELTENISIFQQKR			Oxidation (M)[1,3]		Mascot
	3337.5144	3337.8074	0.293	88	1577	1605	GWLKGLEDGQETDVHY NSLTGEGNFWR					Mascot

35 Myosin binding protein C, cardiac [Danio rerio] gi|120537567 57882.1 5 9 32 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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38 Zgc:162025 protein [Danio rerio] gi|112418929 25037.3 5.9 6 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1326.6094	1326.723	0.1136	86	165	175	EETEDVTVMK			Oxidation (M)[10]		Mascot
1434.7263	1434.777	0.0507	35	16	27	EAVWSFKPEDVK					Mascot
1675.9054	1675.7771	-0.1283	-77	14	27	LKEAVWSFKPEDVK					Mascot
1683.749	1683.8304	0.0814	48	1	15	MSESSSEDENTARLK					Mascot
1683.749	1683.8304	0.0814	48	1	15	MSESSSEDENTARLK					Mascot
2112.9436	2113.1917	0.2481	117	120	137	RPVPSSSDSDSEMEMRF R					Mascot
2239.0374	2239.1309	0.0935	42	41	60	ADVSKHEHDGNELGTTT EFR					Mascot

39 novel protein [Danio rerio] gi|94732304 88794 4.88 11 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1173.7605	1173.5945	-0.166	-141	217	226	YPLLLKSVLK					Mascot
1259.7391	1259.6206	-0.1185	-94	310	320	QLLLEGALKMK			Oxidation (M)[10]		Mascot
1683.7689	1683.8304	0.0615	37	605	619	RNDFSGMAQVVAGCR			Carbamidomethyl (C)[14], Oxidation (M)[7]		Mascot
1683.7689	1683.8304	0.0615	37	605	619	RNDFSGMAQVVAGCR			Carbamidomethyl (C)[14], Oxidation (M)[7]		Mascot
1705.9153	1705.9196	0.0043	3	768	783	IRATMVLNSTLTASEV					Mascot
1721.9102	1721.9189	0.0087	5	768	783	IRATMVLNSTLTASEV			Oxidation (M)[5]		Mascot
1915.8711	1916.0876	0.2165	113	240	256	MVAAVECFINSVDSQMR			Oxidation (M)[1]		Mascot
1915.8711	1916.0876	0.2165	113	240	256	MVAAVECFINSVDSQMR			Oxidation (M)[1]		Mascot
2112.9912	2113.1917	0.2005	95	606	624	NDFSGMAQVVAGCRSQT LR			Carbamidomethyl (C)[13], Oxidation (M)[6]		Mascot
2132.1096	2132.1519	0.0423	20	5	22	VEQLQSKLYSYTMFGLP K					Mascot
2132.1096	2132.1519	0.0423	20	5	22	VEQLQSKLYSYTMFGLP K					Mascot
2225.0259	2225.1387	0.1128	51	240	258	MVAAVECFINSVDSQMR HR			Oxidation (M)[1,16]		Mascot
2225.0259	2225.1387	0.1128	51	240	258	MVAAVECFINSVDSQMR HR			Oxidation (M)[1,16]		Mascot
2239.1077	2239.1309	0.0232	10	139	157	RTMLNPTELHQGFSTFG FR					Mascot
2242.9309	2243.0886	0.1577	70	164	180	YCMEEEGCMEYMRTLLK			Carbamidomethyl (C)[2,8]		Mascot
2284.1853	2284.1936	0.0083	4	645	664	SEDDLQCLTDPLLRPT GK			Carbamidomethyl (C)[8]		Mascot
2284.1853	2284.1936	0.0083	4	645	664	SEDDLQCLTDPLLRPT GK			Carbamidomethyl (C)[8]		Mascot

40 PREDICTED: hypothetical protein LOC798392 [Danio gi|326679009 92940.9 8.11 11 30 0

rerio]

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
862.4451	862.4844	0.0393	46	816	823	ATAAQCLK			Carbamidomethyl (C)[6]	Mascot
1146.6854	1146.5758	-0.1096	-96	261	270	VRRPPTAPR				Mascot
1146.6854	1146.5758	-0.1096	-96	261	270	VRRPPTAPR				Mascot
1320.6001	1320.6046	0.0045	3	145	154	NPEEQCQLFR			Carbamidomethyl (C)[6]	Mascot
1341.6508	1341.7393	0.0885	66	669	680	IADLGSSCWVYK				Mascot
1493.7053	1493.7396	0.0343	23	38	49	FQVLMEAQQEDR				Mascot
1493.7053	1493.7396	0.0343	23	38	49	FQVLMEAQQEDR				Mascot
1683.9176	1683.8304	-0.0872	-52	353	368	VPATPTIAPGRDGLYR				Mascot
1683.9176	1683.8304	-0.0872	-52	353	368	VPATPTIAPGRDGLYR				Mascot
1838.8425	1838.9199	0.0774	42	325	340	SGPMHWRCGHEDSVLK				Mascot
1874.8629	1874.9788	0.1159	62	77	92	MAPHDDPEAFDLFEK				Mascot
1945.8427	1945.9434	0.1007	52	564	580	CWQMCFGNPGLSLSCV K			Carbamidomethyl (C)[1], Oxidation (M)[4]	Mascot
2131.9541	2132.1519	0.1978	93	449	466	DYCYGGYHPVQVGDIFN K			Carbamidomethyl (C)[3]	Mascot
2131.9541	2132.1519	0.1978	93	449	466	DYCYGGYHPVQVGDIFN K			Carbamidomethyl (C)[3]	Mascot
2284.135	2284.1936	0.0586	26	385	407	EGGGCRADPIIKPGGAST AELER				Mascot
2284.135	2284.1936	0.0586	26	385	407	EGGGCRADPIIKPGGAST AELER				Mascot
Si:ch211-173p18.1 protein [Danio rerio]				gi 213625968		147548.4	6.23	16	30	0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
836.4546	836.4321	-0.0225	-27	644	650 KMTETVK				Mascot
862.4417	862.4844	0.0427	50	292	299 AGTTFTHK				Mascot
864.3854	864.4989	0.1135	131	246	251 CHFCLK			Carbamidomethyl (C)[1,4]	Mascot
937.5175	937.477	-0.0405	-43	278	285 CISLLNFK				Mascot
1193.6447	1193.6188	-0.0259	-22	1050	1059 SMTLKEDLLK			Oxidation (M)[2]	Mascot
1456.8304	1456.7791	-0.0513	-35	772	784 NKALLCKPLSQNK				Mascot
1493.6981	1493.7396	0.0415	28	1106	1117 MENIFADVFTYK			Oxidation (M)[1]	Mascot
1493.6981	1493.7396	0.0415	28	1106	1117 MENIFADVFTYK			Oxidation (M)[1]	Mascot
1659.8232	1659.7808	-0.0424	-26	272	285 EFCSQKCISLLNFK				Mascot
1712.7117	1712.8773	0.1656	97	526	539 MYAFCGTACVEEFK			Carbamidomethyl (C)[5,9]	Mascot

	1799.78	1799.9769	0.1969	109	525	539	KMYAFCGTACVEEFK		Carbamidomethyl (C)[6], Oxidation (M)[2]	Mascot	
	1799.78	1799.9769	0.1969	109	525	539	KMYAFCGTACVEEFK		Carbamidomethyl (C)[6], Oxidation (M)[2]	Mascot	
	1915.9562	1916.0876	0.1314	69	1019	1033	LQHEYGVTAWRDWVR			Mascot	
	1915.9562	1916.0876	0.1314	69	1019	1033	LQHEYGVTAWRDWVR			Mascot	
	1945.9067	1945.9434	0.0367	19	1055	1071	EDLLKCCTAEISYGLCK		Carbamidomethyl (C)[6]	Mascot	
	2225.0576	2225.1387	0.0811	36	258	277	DVISAPVDMAGNLKEFCS QK		Carbamidomethyl (C)[17], Oxidation (M)[9]	Mascot	
	2225.0576	2225.1387	0.0811	36	258	277	DVISAPVDMAGNLKEFCS QK		Carbamidomethyl (C)[17], Oxidation (M)[9]	Mascot	
	2283.0752	2283.2	0.1248	55	220	240	GCPKLFCSPPQCLCSNSN VVVK		Carbamidomethyl (C)[2]	Mascot	
	2366.1672	2366.2	0.0328	14	504	523	IPCSQCLNSFFHKPELLD FK			Mascot	
	2872.3313	2872.4038	0.0725	25	1276	1301	SCVPNSPMWFSISALSD EALNSMLTR		Oxidation (M)[8]	Mascot	
42	hypothetical protein LOC571775 [Danio rerio]				gi 148238042		26922.4	7.7	6	30	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1326.6094	1326.723	0.1136	86	165	175	EETEDVTVMK			Oxidation (M)[10]		Mascot
1434.7263	1434.777	0.0507	35	16	27	EAVWSFKPEDVK					Mascot
1675.9054	1675.7771	-0.1283	-77	14	27	LKEAVWSFKPEDVK					Mascot
1683.749	1683.8304	0.0814	48	1	15	MSESSSEDENTARLK					Mascot
1683.749	1683.8304	0.0814	48	1	15	MSESSSEDENTARLK					Mascot
2112.9436	2113.1917	0.2481	117	120	137	RPVPSSSDSDSEMEMRF R					Mascot
2239.0374	2239.1309	0.0935	42	41	60	ADVSKHEHDGNELGTTT EFR					Mascot

43 LOC402845 protein [Danio rerio] gi|31807448 34364.9 9.2 7 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1146.532	1146.5758	0.0438	38	91	99	LNLCDNQNR			Carbamidomethyl (C)[4]		Mascot
1146.532	1146.5758	0.0438	38	91	99	LNLCDNQNR			Carbamidomethyl (C)[4]		Mascot
1434.7694	1434.777	0.0076	5	296	307	DGIKMVCIEK			Carbamidomethyl (C)[8], Oxidation (M)[6]		Mascot
1456.7655	1456.7791	0.0136	9	257	269	RALQSPSHFTANK					Mascot
1721.8495	1721.9189	0.0694	40	199	214	SALMIAACNGQISMVR			Carbamidomethyl (C)[8]		Mascot
1737.8445	1737.9163	0.0718	41	199	214	SALMIAACNGQISMVR			Carbamidomethyl (C)[8], Oxidation (M)[4]		Mascot
1753.8394	1753.9025	0.0631	36	199	214	SALMIAACNGQISMVR			Carbamidomethyl (C)[8], Oxidation (M)[4,14]		Mascot
2113.0295	2113.1917	0.1622	77	12	32	GSPSASETASVLSASYDV KEK					Mascot

	2336.1267	2336.0356	-0.0911	-39	194	214	NQEQRSALMIAACNGQIS MVR					Oxidation (M)[9]	Mascot
	2570.2664	2570.2471	-0.0193	-8	163	185	DGNTPLMLALMENHADMD TELLLK						Mascot
44	novel protein similar to spectrin, beta, erythrocytic (sptb) gi 122890739 [Danio rerio]						160909.8	6.13	15	30	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.522	996.5987	0.0767	77	17	24	DEAQLHR					Mascot
1109.6023	1109.5015	-0.1008	-91	706	714	LEYVMAKQK					Mascot
1173.5834	1173.5945	0.0111	9	29	38	HQAFMAELAR					Mascot
1179.5284	1179.6072	0.0788	67	680	689	NFVHCVEMGK			Oxidation (M)[8]		Mascot
1179.5284	1179.6072	0.0788	67	680	689	NFVHCVEMGK			Oxidation (M)[8]		Mascot
1320.6576	1320.6046	-0.053	-40	465	476	AVGQKQMDSVNK			Oxidation (M)[7]		Mascot
1550.7897	1550.9001	0.1104	71	974	986	ADCFQPKINHIHK					Mascot
1630.8031	1630.8175	0.0144	9	759	773	EAGGGTDEVEELIRR					Mascot
1675.8431	1675.7771	-0.066	-39	1118	1131	RSTMAEIVEQVQER					Mascot
1721.9043	1721.9189	0.0146	8	1217	1231	SPNSKSWVNLFCVLK					Mascot
1753.8901	1753.9025	0.0124	7	373	387	RMLELGHPDSEQITK					Mascot
1874.9429	1874.9788	0.0359	19	593	608	ADAILSREQEVMQAWK					Mascot
1915.9719	1916.0876	0.1157	60	329	345	LQVLNEEKGNDEASTLR					Mascot
1915.9719	1916.0876	0.1157	60	329	345	LQVLNEEKGNDEASTLR					Mascot
2282.9727	2283.2	0.2273	100	477	496	MVNEMIDCSHSDAATIAE WK			Oxidation (M)[1,5]		Mascot
2283.9678	2284.1936	0.2258	99	636	655	ELSMWMDGIMGQIGPND DAR			Oxidation (M)[4,6,10]		Mascot
2283.9678	2284.1936	0.2258	99	636	655	ELSMWMDGIMGQIGPND DAR			Oxidation (M)[4,6,10]		Mascot
2421.1426	2421.23	0.0874	36	814	836	QMFPLSCLVPSSSSSSS SSSLFR					Mascot

45 Zgc:162025 protein [Danio rerio] gi|159155250 27178.6 8.59 6 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1326.6094	1326.723	0.1136	86	165	175	EETEDVTKMK			Oxidation (M)[10]		Mascot
1434.7263	1434.777	0.0507	35	16	27	EAVWSFKPEDVK					Mascot
1675.9054	1675.7771	-0.1283	-77	14	27	LKEAVWSFKPEDVK					Mascot
1683.749	1683.8304	0.0814	48	1	15	MSESSSEDENTARLK					Mascot
1683.749	1683.8304	0.0814	48	1	15	MSESSSEDENTARLK					Mascot

	2112.9436	2113.1917	0.2481	117	120	137	RPVPSSSDSDSEMEMRF R										Mascot
	2239.0374	2239.1309	0.0935	42	41	60	ADVSKHEHDGNELGTTT EFR										Mascot
46	novel protein [Danio rerio]				gi 169146109		64501.6	6.3	9	29	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
996.5836	996.5987	0.0151	15	508	517	SPGILSPGIR							Mascot
1045.5411	1045.5679	0.0268	26	118	126	VIADLEEEK							Mascot
1179.5319	1179.6072	0.0753	64	92	101	LVMAHCTNMK				Oxidation (M)[3,9]			Mascot
1179.5319	1179.6072	0.0753	64	92	101	LVMAHCTNMK				Oxidation (M)[3,9]			Mascot
1320.5663	1320.6046	0.0383	29	67	78	DSELSQAQDDGR							Mascot
1493.6909	1493.7396	0.0487	33	92	103	LVMAHCTNMKEK				Carbamidomethyl (C)[6], Oxidation (M)[3,9]			Mascot
1493.6909	1493.7396	0.0487	33	92	103	LVMAHCTNMKEK				Carbamidomethyl (C)[6], Oxidation (M)[3,9]			Mascot
1659.9905	1659.7808	-0.2097	-126	508	523	SPGILSPGIRSPIIPR							Mascot
1712.929	1712.8773	-0.0517	-30	150	163	LLQQLESERAQLER							Mascot
1994.1029	1993.9888	-0.1141	-57	497	517	NLAAASSPTGKSPGILSP GIR							Mascot
1994.1029	1993.9888	-0.1141	-57	497	517	NLAAASSPTGKSPGILSP GIR							Mascot
2132.1345	2132.1519	0.0174	8	300	320	IPHKATSGITPPVSQVEA DGK							Mascot
2132.1345	2132.1519	0.0174	8	300	320	IPHKATSGITPPVSQVEA DGK							Mascot

47	secreted frizzled-related protein [Danio rerio]				gi 38198627		32225.2	8.77	1	16	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1179.5206	1179.6072	0.0866	73	155	164	VCPPCEMEKK	16	0		Oxidation (M)[7]	1		Mascot

48	Zgc:136688 [Danio rerio]				gi 49902960		48277.1	6.22	1	13	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1179.5609	1179.6072	0.0463	39	155	163	KMQEQLCSR	13	0		Carbamidomethyl (C)[7]	2		Mascot

49	PREDICTED: potassium channel SKOR [Danio rerio]				gi 326672803		52150.7	8.43	1	12	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
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		1179.6117	1179.6072	-0.0045	-4	81	90	STSHSYLTRK	12	0			3	Mascot
50	PREDICTED: short transient receptor potential channel 4 [Danio rerio]	gi 189528938	105113.9	6.26	1				11	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1146.6517	1146.5758	-0.0759	-66	264	272	ELELILNFR	11	0		2	Mascot

Gel Idx/Pos	201/11	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Krt4 protein [Danio rerio]	gi 44890667	53993.9	5.34	26	980	100	767	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
827.4297	827.4323	0.0026	3	125	131	FASFIDK					Mascot
882.4349	882.4437	0.0088	10	33	40	MSSVTSVR			Oxidation (M)[1]		Mascot
915.4893	915.495	0.0057	6	328	335	AEIAELNR					Mascot
932.4683	932.4755	0.0072	8	417	424	LLEGEESR					Mascot
950.4941	950.4991	0.005	5	249	256	AVYEAE LR					Mascot
983.4468	983.4511	0.0043	4	299	306	AEAESWYK					Mascot
987.5105	987.5144	0.0039	4	378	385	ELEEALQR					Mascot
1079.5116	1079.5193	0.0077	7	288	296	AQYEDIANR					Mascot
1127.5691	1127.5769	0.0078	7	5	15	SITYSSGGSIR					Mascot
1226.5801	1226.5881	0.008	7	297	306	SRAEAESWYK					Mascot
1248.6833	1248.6918	0.0085	7	210	220	ASVENEFVLLK					Mascot
1256.6957	1256.7061	0.0104	8	376	385	IRELEEALQR					Mascot
1256.6957	1256.7061	0.0104	8	376	385	IRELEEALQR	46	99.218			Mascot
1277.71	1277.7207	0.0107	8	405	415	LALDIEIATYR					Mascot
1277.71	1277.7207	0.0107	8	405	415	LALDIEIATYR	91	100			Mascot
1351.6158	1351.6682	0.0524	39	264	275	DTSVVVEMDNSR					Mascot
1361.673	1361.6829	0.0099	7	276	287	NLDMSIVA EVR					Mascot
1362.7013	1362.7084	0.0071	5	146	156	WSLLQEQTTR					Mascot

1362.7013	1362.7084	0.0071	5	146	156	WSLLQEQTTR	70	99.997		Mascot
1377.6678	1377.6808	0.013	9	276	287	NLDMDSIVAEVR			Oxidation (M)[4]	Mascot
1432.743	1432.7548	0.0118	8	237	248	VDALQDEINFLR	119	100		Mascot
1432.743	1432.7548	0.0118	8	237	248	VDALQDEINFLR				Mascot
1443.7074	1443.7177	0.0103	7	352	364	ANLEAQIAEAEER	69	99.996		Mascot
1443.7074	1443.7177	0.0103	7	352	364	ANLEAQIAEAEER				Mascot
1615.7711	1615.7828	0.0117	7	17	32	GYTSQSAYAVPAGSTR				Mascot
1743.837	1743.8589	0.0219	13	157	171	SNIDAMFEAYISNLR	98	100		Mascot
1743.866	1743.8589	-0.0071	-4	16	32	KGYTSQSAYAVPAGSTR				Mascot
1759.8319	1759.8466	0.0147	8	157	171	SNIDAMFEAYISNLR	86	100	Oxidation (M)[6]	Mascot
1759.8319	1759.8466	0.0147	8	157	171	SNIDAMFEAYISNLR			Oxidation (M)[6]	Mascot
1846.7913	1846.8083	0.017	9	309	324	FEEMQSTAGQYGDDL				Mascot
1862.7861	1862.7999	0.0138	7	309	324	FEEMQSTAGQYGDDL			Oxidation (M)[4]	Mascot
1899.9381	1899.9529	0.0148	8	157	172	SNIDAMFEAYISNLR				Mascot
1915.933	1915.9495	0.0165	9	157	172	SNIDAMFEAYISNLR			Oxidation (M)[6]	Mascot
2041.0559	2041.0748	0.0189	9	352	370	ANLEAQIAEAEERGELAV				Mascot
2041.0559	2041.0748	0.0189	9	352	370	ANLEAQIAEAEERGELAV	120	100		Mascot
2102.1128	2101.939	-0.1738	-83	231	248	VELEAKVDALQDEINFLR				Mascot
2102.9448	2102.9561	0.0113	5	307	324	QKFEEMQSTAGQYGDDL	156	100		Mascot
2102.9448	2102.9561	0.0113	5	307	324	QKFEEMQSTAGQYGDDL				Mascot
2118.9397	2118.9597	0.02	9	307	324	QKFEEMQSTAGQYGDDL	93	100	Oxidation (M)[6]	Mascot
2118.9397	2118.9597	0.02	9	307	324	QKFEEMQSTAGQYGDDL			Oxidation (M)[6]	Mascot

2 Krt4 protein [Danio rerio] gi|161612220 53979.9 5.34 25 964 100 767 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
827.4297	827.4323	0.0026	3	125	131	FASFDK					Mascot
882.4349	882.4437	0.0088	10	33	40	MSSVTSVR			Oxidation (M)[1]		Mascot
915.4893	915.495	0.0057	6	328	335	AEIAELNR					Mascot
932.4683	932.4755	0.0072	8	417	424	LLEGEESR					Mascot
950.4941	950.4991	0.005	5	249	256	AVYEAELR					Mascot
983.4468	983.4511	0.0043	4	299	306	AEAESWYK					Mascot
987.5105	987.5144	0.0039	4	378	385	ELEEALQR					Mascot
1079.5116	1079.5193	0.0077	7	288	296	AQYEDIANR					Mascot
1226.5801	1226.5881	0.008	7	297	306	SRAEAESWYK					Mascot

3	keratin 4 [Danio rerio]	gi 18858947	54242	5.42	23	935	100	768	100
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
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882.4349	882.4437	0.0088	10	33	40	MSSVTSVR			Oxidation (M)[1]	Mascot
915.4893	915.495	0.0057	6	329	336	AEIAELNR				Mascot
932.4683	932.4755	0.0072	8	418	425	LLEGEESR				Mascot
950.4941	950.4991	0.005	5	250	257	AVYEAELR				Mascot
983.4468	983.4511	0.0043	4	300	307	AEAESWYK				Mascot
987.5105	987.5144	0.0039	4	379	386	ELEEALQR				Mascot
1079.5116	1079.5193	0.0077	7	289	297	AQYEDIANR				Mascot
1226.5801	1226.5881	0.008	7	298	307	SRAEAESWYK				Mascot
1248.6833	1248.6918	0.0085	7	211	221	ASVENEFVLLK				Mascot
1256.6957	1256.7061	0.0104	8	377	386	IRELEEALQR				Mascot
1256.6957	1256.7061	0.0104	8	377	386	IRELEEALQR	46	99.218		Mascot
1277.71	1277.7207	0.0107	8	406	416	LALDIEIATYR				Mascot
1277.71	1277.7207	0.0107	8	406	416	LALDIEIATYR	91	100		Mascot
1351.6158	1351.6682	0.0524	39	265	276	DTSVVVEMDNSR				Mascot
1361.673	1361.6829	0.0099	7	277	288	NLDMDSIVAEVR				Mascot
1362.7013	1362.7084	0.0071	5	147	157	WSLLQEQTTR				Mascot
1362.7013	1362.7084	0.0071	5	147	157	WSLLQEQTTR	70	99.997		Mascot
1377.6678	1377.6808	0.013	9	277	288	NLDMDSIVAEVR			Oxidation (M)[4]	Mascot
1432.743	1432.7548	0.0118	8	238	249	VDALQDEINFLR	119	100		Mascot
1432.743	1432.7548	0.0118	8	238	249	VDALQDEINFLR				Mascot
1443.7074	1443.7177	0.0103	7	353	365	ANLEAQIAEAEER	69	99.996		Mascot
1443.7074	1443.7177	0.0103	7	353	365	ANLEAQIAEAEER				Mascot
1615.7711	1615.7828	0.0117	7	17	32	GYTSQSAYAVPAGSTR				Mascot
1743.837	1743.8589	0.0219	13	158	172	SNIDAMFEAYISNLR				Mascot
1743.837	1743.8589	0.0219	13	158	172	SNIDAMFEAYISNLR	98	100		Mascot
1759.8319	1759.8466	0.0147	8	158	172	SNIDAMFEAYISNLR	86	100	Oxidation (M)[6]	Mascot
1759.8319	1759.8466	0.0147	8	158	172	SNIDAMFEAYISNLR			Oxidation (M)[6]	Mascot
1846.7913	1846.8083	0.017	9	310	325	FEEMQSTAGQYGDDL				Mascot
1862.7861	1862.7999	0.0138	7	310	325	FEEMQSTAGQYGDDL			Oxidation (M)[4]	Mascot
1899.9381	1899.9529	0.0148	8	158	173	SNIDAMFEAYISNLR				Mascot
1915.933	1915.9495	0.0165	9	158	173	SNIDAMFEAYISNLR			Oxidation (M)[6]	Mascot
2041.0559	2041.0748	0.0189	9	353	371	ANLEAQIAEAEERGELAV K				Mascot
2041.0559	2041.0748	0.0189	9	353	371	ANLEAQIAEAEERGELAV K	120	100		Mascot
2102.1128	2101.939	-0.1738	-83	232	249	VELEAKVDALQDEINFLR				Mascot
2102.9448	2102.9561	0.0113	5	308	325	QKFEEMQSTAGQYGDDL R	156	100		Mascot
2102.9448	2102.9561	0.0113	5	308	325	QKFEEMQSTAGQYGDDL R				Mascot

	2118.9397	2118.9597	0.02	9	308	325	QKFEEMQSTAGQYGDDL R	93	100	Oxidation (M)[6]		Mascot	
	2118.9397	2118.9597	0.02	9	308	325	QKFEEMQSTAGQYGDDL R			Oxidation (M)[6]		Mascot	
4	Krt5 protein [Danio rerio]				gi 39645432		57792.3	5.27	15	452	100	380	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
827.4297	827.4323	0.0026	3	155	161	FASFDK					Mascot
932.4683	932.4755	0.0072	8	447	454	LLEGEESR					Mascot
983.4468	983.4511	0.0043	4	329	336	AEAESWYK					Mascot
1079.5116	1079.5193	0.0077	7	318	326	AQYEDIANR					Mascot
1226.5801	1226.5881	0.008	7	327	336	SRAEAESWYK					Mascot
1248.6252	1248.6918	0.0666	53	203	213	QLDGLGNEKMK			Oxidation (M)[10]		Mascot
1256.5179	1256.7061	0.1882	150	1	14	MSGGMGGGMGGGIR			Oxidation (M)[1,5]		Mascot
1256.5179	1256.7061	0.1882	150	1	14	MSGGMGGGMGGGIR			Oxidation (M)[1,5]		Mascot
1277.71	1277.7207	0.0107	8	435	445	LALDIEIATYR					Mascot
1277.71	1277.7207	0.0107	8	435	445	LALDIEIATYR	91	100			Mascot
1345.678	1345.6833	0.0053	4	306	317	NLDMDAIVAEVR					Mascot
1351.6158	1351.6682	0.0524	39	294	305	DTSVVVEMDNSR					Mascot
1361.673	1361.6829	0.0099	7	306	317	NLDMDAIVAEVR			Oxidation (M)[4]		Mascot
1362.7013	1362.7084	0.0071	5	176	186	WSLLQEQTTR					Mascot
1362.7013	1362.7084	0.0071	5	176	186	WSLLQEQTTR	70	99.997			Mascot
1443.7074	1443.7177	0.0103	7	382	394	ANLEAQIAEAEER	69	99.996			Mascot
1443.7074	1443.7177	0.0103	7	382	394	ANLEAQIAEAEER					Mascot
1727.8422	1727.8539	0.0117	7	187	201	SNIDAMFEAYIANLR					Mascot
1743.837	1743.8589	0.0219	13	187	201	SNIDAMFEAYIANLR			Oxidation (M)[6]		Mascot
1743.837	1743.8589	0.0219	13	187	201	SNIDAMFEAYIANLR	30	74.803	Oxidation (M)[6]		Mascot
1899.9381	1899.9529	0.0148	8	187	202	SNIDAMFEAYIANLRR			Oxidation (M)[6]		Mascot
2041.0559	2041.0748	0.0189	9	382	400	ANLEAQIAEAEERGELAV K					Mascot
2041.0559	2041.0748	0.0189	9	382	400	ANLEAQIAEAEERGELAV K	120	100			Mascot

5	keratin 5 [Danio rerio]				gi 18858425		58550.6	5.34	14	438	100	380	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
827.4297	827.4323	0.0026	3	165	171	FASFDK					Mascot

932.4683	932.4755	0.0072	8	457	464	LLEGEESR												Mascot
983.4468	983.4511	0.0043	4	339	346	AEAESWYK												Mascot
1079.5116	1079.5193	0.0077	7	328	336	AQYEDIANR												Mascot
1226.5801	1226.5881	0.008	7	337	346	SRAEAESWYK												Mascot
1248.6252	1248.6918	0.0666	53	213	223	QLDGLGNEKMK											Oxidation (M)[10]	Mascot
1277.71	1277.7207	0.0107	8	445	455	LALDIEIATYR												Mascot
1277.71	1277.7207	0.0107	8	445	455	LALDIEIATYR		91		100								Mascot
1345.678	1345.6833	0.0053	4	316	327	NLDMDAIVAEVR												Mascot
1351.6158	1351.6682	0.0524	39	304	315	DTSVVVEMDNSR												Mascot
1361.673	1361.6829	0.0099	7	316	327	NLDMDAIVAEVR											Oxidation (M)[4]	Mascot
1362.7013	1362.7084	0.0071	5	186	196	WSLLQEQTTR												Mascot
1362.7013	1362.7084	0.0071	5	186	196	WSLLQEQTTR		70		99.997								Mascot
1443.7074	1443.7177	0.0103	7	392	404	ANLEAQIAEAEER		69		99.996								Mascot
1443.7074	1443.7177	0.0103	7	392	404	ANLEAQIAEAEER												Mascot
1727.8422	1727.8539	0.0117	7	197	211	SNIDAMFEAYIANLR												Mascot
1743.837	1743.8589	0.0219	13	197	211	SNIDAMFEAYIANLR											Oxidation (M)[6]	Mascot
1743.837	1743.8589	0.0219	13	197	211	SNIDAMFEAYIANLR		30		74.803							Oxidation (M)[6]	Mascot
1899.9381	1899.9529	0.0148	8	197	212	SNIDAMFEAYIANLRR											Oxidation (M)[6]	Mascot
2041.0559	2041.0748	0.0189	9	392	410	ANLEAQIAEAEERGELAV K												Mascot
2041.0559	2041.0748	0.0189	9	392	410	ANLEAQIAEAEERGELAV K		120		100								Mascot

6 keratin 8 [Danio rerio] gi|29335502 55516.4 5.01 14 187 100 129 100

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	%	Modification	Rank	Result	Type	
827.4297	827.4323	0.0026	3	105	111 FASFDK							Mascot	
1063.5419	1063.5499	0.008	8	229	236 QIFEEEIR							Mascot	
1079.5116	1079.5193	0.0077	7	268	276 AQYEDIANR							Mascot	
1248.6252	1248.6918	0.0666	53	153	163 QLDSLGNCKMK							Mascot	
1277.71	1277.7207	0.0107	8	385	395 LALDIEIATYR							Mascot	
1277.71	1277.7207	0.0107	8	385	395 LALDIEIATYR		91		100			Mascot	
1317.691	1317.6998	0.0088	7	126	136 WSLLQNQTATR							Mascot	
1345.678	1345.6833	0.0053	4	256	267 NLDMDAIVAEVR							Mascot	
1351.6158	1351.6682	0.0524	39	244	255 DTSVVVEMDNSR							Mascot	
1361.673	1361.6829	0.0099	7	256	267 NLDMDAIVAEVR				Oxidation (M)[4]			Mascot	
1449.7584	1449.765	0.0066	5	217	228 LESLTDEINFLR							Mascot	
1475.7635	1475.7642	0.0007	0	308	319 TEIADLNRMQIR				Oxidation (M)[9]			Mascot	

1727.8422	1727.8539	0.0117	7	137	151	SNIDAMFEAYIANLR											Mascot
1743.837	1743.8589	0.0219	13	137	151	SNIDAMFEAYIANLR							Oxidation (M)[6]				Mascot
1743.837	1743.8589	0.0219	13	137	151	SNIDAMFEAYIANLR	30	74.803	Oxidation (M)[6]								Mascot
1899.9381	1899.9529	0.0148	8	137	152	SNIDAMFEAYIANLRR			Oxidation (M)[6]								Mascot
2018.1644	2018.1805	0.0161	8	74	91	SL LAPLNLEIDPNIQIVR											Mascot
2119.1282	2118.9597	-0.1685	-80	211	228	VELEAKLES LTDEINFLR	8	0									Mascot
2119.1282	2118.9597	-0.1685	-80	211	228	VELEAKLES LTDEINFLR											Mascot

7 keratin, type II cytoskeletal 8 [Danio rerio] gi|41056085 57723.4 5.15 14 183 100 129 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
827.4297	827.4323	0.0026	3	126	132	FAS FIDK					Mascot
1063.5419	1063.5499	0.008	8	250	257	QIFEE EIR					Mascot
1079.5116	1079.5193	0.0077	7	289	297	AQYED IANR					Mascot
1248.6252	1248.6918	0.0666	53	174	184	QLDSL GNDKMK					Mascot
1277.71	1277.7207	0.0107	8	406	416	LALDIEI ATYR					Mascot
1277.71	1277.7207	0.0107	8	406	416	LALDIEI ATYR	91	100			Mascot
1317.691	1317.6998	0.0088	7	147	157	WSLLQ NQTATR					Mascot
1345.678	1345.6833	0.0053	4	277	288	NLDMDAIVAEVR					Mascot
1351.6158	1351.6682	0.0524	39	265	276	DTSVV VEMDNSR					Mascot
1361.673	1361.6829	0.0099	7	277	288	NLDMDAIVAEVR			Oxidation (M)[4]		Mascot
1449.7584	1449.765	0.0066	5	238	249	LESLTDEINFLR					Mascot
1475.7635	1475.7642	0.0007	0	329	340	TEIADLN RMIQR			Oxidation (M)[9]		Mascot
1727.8422	1727.8539	0.0117	7	158	172	SNIDAMFEAYIANLR					Mascot
1743.837	1743.8589	0.0219	13	158	172	SNIDAMFEAYIANLR			Oxidation (M)[6]		Mascot
1743.837	1743.8589	0.0219	13	158	172	SNIDAMFEAYIANLR	30	74.803	Oxidation (M)[6]		Mascot
1899.9381	1899.9529	0.0148	8	158	173	SNIDAMFEAYIANLRR			Oxidation (M)[6]		Mascot
2018.1644	2018.1805	0.0161	8	95	112	SL LAPLNLEIDPNIQIVR					Mascot
2119.1282	2118.9597	-0.1685	-80	232	249	VELEAKLES LTDEINFLR	8	0			Mascot
2119.1282	2118.9597	-0.1685	-80	232	249	VELEAKLES LTDEINFLR					Mascot

8 Keratin 8 [Danio rerio] gi|159155987 57624.4 5.1 12 170 100 129 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
827.4297	827.4323	0.0026	3	126	132	FAS FIDK					Mascot

	1063.5419	1063.5499	0.008	8	250	257	QIFEEEIR										Mascot
	1079.5116	1079.5193	0.0077	7	289	297	AQYEDIANR										Mascot
	1248.6252	1248.6918	0.0666	53	174	184	QLDSLGNCKMK										Mascot
	1277.71	1277.7207	0.0107	8	406	416	LALDIEIATYR										Mascot
	1277.71	1277.7207	0.0107	8	406	416	LALDIEIATYR	91	100								Mascot
	1317.691	1317.6998	0.0088	7	147	157	WSLLQNQTATR										Mascot
	1449.7584	1449.765	0.0066	5	238	249	LESLTDEINFLR										Mascot
	1475.7635	1475.7642	0.0007	0	329	340	TEIADLNRMQIR						Oxidation (M)[9]				Mascot
	1727.8422	1727.8539	0.0117	7	158	172	SNIDAMFEAYIANLR										Mascot
	1743.837	1743.8589	0.0219	13	158	172	SNIDAMFEAYIANLR						Oxidation (M)[6]				Mascot
	1743.837	1743.8589	0.0219	13	158	172	SNIDAMFEAYIANLR	30	74.803	Oxidation (M)[6]							Mascot
	1899.9381	1899.9529	0.0148	8	158	173	SNIDAMFEAYIANLRR						Oxidation (M)[6]				Mascot
	2018.1644	2018.1805	0.0161	8	95	112	SLLAPLNLEIDPNIQIVR										Mascot
	2119.1282	2118.9597	-0.1685	-80	232	249	VELEAKLESLTDEINFLR	8	0								Mascot
	2119.1282	2118.9597	-0.1685	-80	232	249	VELEAKLESLTDEINFLR										Mascot

9 glial fibrillary acidic protein [Danio rerio] gi|20977259 42127.4 5.03 8 152 100 124 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
850.4265	850.5464	0.1199	141	351	357	ESTTERK				Mascot
932.4683	932.4755	0.0072	8	297	304	LLEGEESR				Mascot
1130.5437	1130.601	0.0573	51	102	111	QDVDEAALNR				Mascot
1277.71	1277.7207	0.0107	8	285	295	LALDIEIATYR				Mascot
1277.71	1277.7207	0.0107	8	285	295	LALDIEIATYR	91	100		Mascot
1308.6543	1308.6646	0.0103	8	187	198	SKFADLTDAANR				Mascot
1377.6857	1377.6808	-0.0049	-4	345	356	DGEIIEKSTTER				Mascot
1432.7682	1432.7548	-0.0134	-9	118	129	IEALQDEINFLK	33	87.487		Mascot
1432.7682	1432.7548	-0.0134	-9	118	129	IEALQDEINFLK				Mascot
2872.4734	2872.4285	-0.0449	-16	138	161	ELHEQLMAQQVHVDLDV SKPRLDR			Oxidation (M)[7]	Mascot

10 class III intermediate filament protein [Danio rerio] gi|38374177 51255 5.28 8 148 100 124 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
850.4265	850.5464	0.1199	141	435	441	ESTTERK				Mascot
932.4683	932.4755	0.0072	8	381	388	LLEGEESR				Mascot

1130.5437	1130.601	0.0573	51	186	195	QDVDEAALNR										Mascot
1277.71	1277.7207	0.0107	8	369	379	LALDIEIATYR										Mascot
1277.71	1277.7207	0.0107	8	369	379	LALDIEIATYR	91	100								Mascot
1308.6543	1308.6646	0.0103	8	271	282	SKFADLTDAANR										Mascot
1377.6857	1377.6808	-0.0049	-4	429	440	DGEIIKESTTER										Mascot
1432.7682	1432.7548	-0.0134	-9	202	213	IEALQDEINFLK	33	87.487								Mascot
1432.7682	1432.7548	-0.0134	-9	202	213	IEALQDEINFLK										Mascot
1475.7522	1475.7642	0.012	8	300	312	QIQGLTCDLESLR										Mascot

11 Gfap protein [Danio rerio] gi|46329793 51087 5.34 8 147 100 124 100

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4265	850.5464	0.1199	141	434	440	ESTTERK					Mascot
932.4683	932.4755	0.0072	8	380	387	LLEGEESR					Mascot
1130.5437	1130.601	0.0573	51	185	194	QDVDEAALNR					Mascot
1277.71	1277.7207	0.0107	8	368	378	LALDIEIATYR					Mascot
1277.71	1277.7207	0.0107	8	368	378	LALDIEIATYR	91	100			Mascot
1308.6543	1308.6646	0.0103	8	270	281	SKFADLTDAANR					Mascot
1377.6857	1377.6808	-0.0049	-4	428	439	DGEIIKESTTER					Mascot
1432.7682	1432.7548	-0.0134	-9	201	212	IEALQDEINFLK	33	87.487			Mascot
1432.7682	1432.7548	-0.0134	-9	201	212	IEALQDEINFLK					Mascot
1475.7522	1475.7642	0.012	8	299	311	QIQGLTCDLESLR					Mascot

12 glial fibrillary acidic protein [Danio rerio] gi|66393075 51190 5.34 8 146 100 124 100

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4265	850.5464	0.1199	141	435	441	ESTTERK					Mascot
932.4683	932.4755	0.0072	8	381	388	LLEGEESR					Mascot
1130.5437	1130.601	0.0573	51	186	195	QDVDEAALNR					Mascot
1277.71	1277.7207	0.0107	8	369	379	LALDIEIATYR					Mascot
1277.71	1277.7207	0.0107	8	369	379	LALDIEIATYR	91	100			Mascot
1308.6543	1308.6646	0.0103	8	271	282	SKFADLTDAANR					Mascot
1377.6857	1377.6808	-0.0049	-4	429	440	DGEIIKESTTER					Mascot
1432.7682	1432.7548	-0.0134	-9	202	213	IEALQDEINFLK	33	87.487			Mascot
1432.7682	1432.7548	-0.0134	-9	202	213	IEALQDEINFLK					Mascot

		1475.7522	1475.7642	0.012	8	300	312	QIQGLTCDLESLR							Mascot
13	glial fibrillary acidic protein [Danio rerio]					gi 239596173	19203.6	4.89	4	107	100	91	100		
	Peptide Information														
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification			Rank Result Type	
	932.4683	932.4755	0.0072	8	122	129 LLEGEESR								Mascot	
	1277.71	1277.7207	0.0107	8	110	120 LALDIEIATYR								Mascot	
	1277.71	1277.7207	0.0107	8	110	120 LALDIEIATYR			91	100				Mascot	
	1308.6543	1308.6646	0.0103	8	12	23 SKFADLTDAANR								Mascot	
	1475.7522	1475.7642	0.012	8	41	53 QIQGLTCDLESLR								Mascot	
14	keratin type II, tail domain [Danio rerio]					gi 4107170	10583.9	8.29	2	101	100	91	100		
	Peptide Information														
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification			Rank Result Type	
	932.4683	932.4755	0.0072	8	16	23 LLEGEESR								Mascot	
	1277.71	1277.7207	0.0107	8	4	14 LALDIEIATYR								Mascot	
	1277.71	1277.7207	0.0107	8	4	14 LALDIEIATYR			91	100				Mascot	
15	novel protein similar to vertebrate keratin family [Danio rerio]					gi 157885973	46874.6	5.23	3	99	100	91	100		
	Peptide Information														
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification			Rank Result Type	
	1256.5793	1256.7061	0.1268	101	286	295 EEAESWYKSK								Mascot	
	1256.5793	1256.7061	0.1268	101	286	295 EEAESWYKSK								Mascot	
	1277.71	1277.7207	0.0107	8	392	402 LALDIEIATYR								Mascot	
	1277.71	1277.7207	0.0107	8	392	402 LALDIEIATYR			91	100				Mascot	
	3048.5466	3048.4551	-0.0915	-30	1	28 CSGLPTGSHPKPPQLCT TFVIMSLRSK					Oxidation (M)[23]			Mascot	
16	Zgc:158846 [Danio rerio]					gi 158253572	55223	5.44	5	98	100	91	100		
	Peptide Information														
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification			Rank Result Type	
	827.4297	827.4323	0.0026	3	87	93 FASFIDK								Mascot	
	932.4683	932.4755	0.0072	8	379	386 LLEGEESR								Mascot	

	996.5472	996.603	0.0558	56	421	429	DIHNTGLVK										Mascot
	1277.71	1277.7207	0.0107	8	367	377	LALDIEIATYR										Mascot
	1277.71	1277.7207	0.0107	8	367	377	LALDIEIATYR	91	100								Mascot
	1351.6158	1351.6682	0.0524	39	226	237	DTSVVVEMDNSR										Mascot

17 PREDICTED: keratin, type II cytoskeletal 8 [Danio rerio] gi|125849603 49959.2 5.46 2 91 99.996 91 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1256.5793	1256.7061	0.1268	101	264	273	EEAESWYKSK					Mascot
1256.5793	1256.7061	0.1268	101	264	273	EEAESWYKSK					Mascot
1277.71	1277.7207	0.0107	8	370	380	LALDIEIATYR					Mascot
1277.71	1277.7207	0.0107	8	370	380	LALDIEIATYR	91	100			Mascot

18 novel protein (wu:fj53d02) [Danio rerio] gi|122891311 95823.2 6.41 16 48 32.645

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.5464	0.0683	80	635	641	ARYLAEK					Mascot
1063.5782	1063.5499	-0.0283	-27	671	679	GVQYLNEIK					Mascot
1234.6096	1234.6895	0.0799	65	62	71	DEQERCITIK					Mascot
1248.7133	1248.6918	-0.0215	-17	499	509	VMKFVSVPVVR					Mascot
1308.6583	1308.6646	0.0063	5	680	691	DSVVAGFWATK					Mascot
1317.7524	1317.6998	-0.0526	-40	731	742	VLYASVLTQPR					Mascot
1351.7579	1351.6682	-0.0897	-66	510	522	VAVEAKNPADLPK					Mascot
1377.7848	1377.6808	-0.104	-75	419	431	VFSGIVSTGQKVR					Mascot
1475.7896	1475.7642	-0.0254	-17	151	162	IKPVLMMNKMDR					Mascot
1493.6835	1493.7441	0.0606	41	692	704	EGALCEENMRAVR			Oxidation (M)[9]		Mascot
1707.8734	1707.7872	-0.0862	-50	2	15	VNFTVDQIREIMDK					Mascot
1759.8875	1759.8466	-0.0409	-23	705	719	FDIHDVTLHADAIHR					Mascot
1759.8875	1759.8466	-0.0409	-23	705	719	FDIHDVTLHADAIHR					Mascot
1847.0248	1846.8083	-0.2165	-117	288	302	LPRTFCQLVDPIFK			Carbamidomethyl (C)[6]		Mascot
1863.0004	1862.7999	-0.2005	-108	33	50	STLTDSLVCKAGIIASAR			Carbamidomethyl (C)[9]		Mascot
2086.094	2085.9387	-0.1553	-74	702	719	AVRFDIHDVTLHADAIHR					Mascot
2103.0579	2102.9561	-0.1018	-48	652	670	IWCFGPDGTGPNILVDITK			Carbamidomethyl (C)[3]		Mascot
2103.0579	2102.9561	-0.1018	-48	652	670	IWCFGPDGTGPNILVDITK			Carbamidomethyl (C)[3]		Mascot

19 Si:ch211-20b12.1 [Danio rerio] gi|67678177 55996.8 8.09 4 44 0 35 91.223

Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank Result Type
	827.4522	827.4323	-0.0199	-24	393	399 SPIAFHR				Mascot
	937.4989	937.4605	-0.0384	-41	304	311 ADTDIFKK				Mascot
	983.5533	983.4511	-0.1022	-104	392	399 RSPIAFHR				Mascot
	1277.6307	1277.7207	0.09	70	436	445 CHDIIIISTYR			Carbamidomethyl (C)[1]	Mascot
	1277.6307	1277.7207	0.09	70	436	445 CHDIIIISTYR	35	91.223	Carbamidomethyl (C)[1]	Mascot
20	CDK5 regulatory subunit-associated protein 1 [Danio rerio]				gi 160333602	65811.6	9.24	14	42	0

Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank Result Type
	937.4043	937.4605	0.0562	60	510	517 SSEELCGR			Carbamidomethyl (C)[6]	Mascot
	987.4022	987.5144	0.1122	114	303	310 MQFSCSER				Mascot
	996.5295	996.603	0.0735	74	1	8 MNRISTFK				Mascot
	1051.6007	1051.7209	0.1202	114	204	213 LLSLAHGGQR				Mascot
	1317.7021	1317.6998	-0.0023	-2	374	385 HLHLPVQSGSSR				Mascot
	1345.7507	1345.6833	-0.0674	-50	127	138 ADVVLLVTC SIR			Carbamidomethyl (C)[9]	Mascot
	1362.7627	1362.7084	-0.0543	-40	476	486 LEELISVFREK				Mascot
	1362.7627	1362.7084	-0.0543	-40	476	486 LEELISVFREK				Mascot
	1432.704	1432.7548	0.0508	35	563	575 GHALNHSSPNDRK				Mascot
	1432.704	1432.7548	0.0508	35	563	575 GHALNHSSPNDRK				Mascot
	1638.823	1638.869	0.046	28	538	552 TQMACITPGDYVLVK				Mascot
	1743.7902	1743.8589	0.0687	39	303	316 MQFSCSERNTQLSR			Carbamidomethyl (C)[5]	Mascot
	1743.7902	1743.8589	0.0687	39	303	316 MQFSCSERNTQLSR			Carbamidomethyl (C)[5]	Mascot
	1759.785	1759.8466	0.0616	35	303	316 MQFSCSERNTQLSR			Carbamidomethyl (C)[5], Oxidation (M)[1]	Mascot
	1759.785	1759.8466	0.0616	35	303	316 MQFSCSERNTQLSR			Carbamidomethyl (C)[5], Oxidation (M)[1]	Mascot
	1846.8468	1846.8083	-0.0385	-21	440	454 EVGYNIGFFFTYSMR			Oxidation (M)[14]	Mascot
	1862.9653	1862.7999	-0.1654	-89	369	385 SNICKHLHLPVQSGSSR				Mascot
	1958.9469	1959.0012	0.0543	28	440	455 EVGYNIGFFFTYSMRK				Mascot
	2017.9535	2018.1805	0.227	112	50	67 SKLTNGPSFQDFIMSSDK			Oxidation (M)[14]	Mascot
21	Pbx2 [Danio rerio]				gi 7861936	18895.6	9.08	7	40	0

Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank Result Type

	937.4771	937.4605	-0.0166	-18	11	18	EKTGLSMR					Oxidation (M)[7]	Mascot
	983.5818	983.4511	-0.1307	-133	125	132	MVALIHRK					Oxidation (M)[1]	Mascot
	1051.5782	1051.7209	0.1427	136	133	141	FSSIQTQLK						Mascot
	1179.6442	1179.6095	-0.0347	-29	1	10	ALFSVLCEIK					Carbamidomethyl (C)[7]	Mascot
	1493.7563	1493.7441	-0.0122	-8	142	154	QSTCEAVMILRSR						Mascot
	1743.9388	1743.8589	-0.0799	-46	79	92	LSQIRNIYHTELEK						Mascot
	1743.9388	1743.8589	-0.0799	-46	79	92	LSQIRNIYHTELEK						Mascot
	2283.1836	2283.2048	0.0212	9	133	152	FSSIQTQLKQSTCEAVMI LR						Mascot

22 coiled-coil domain-containing protein 123, mitochondrial precursor [Danio rerio] gi|41053710 79256.9 5.96 12 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
932.5121	932.4755	-0.0366	-39	503	510	VMLLEAEK					Mascot
1248.5889	1248.6918	0.1029	82	566	575	TCEVEDLQVR			Carbamidomethyl (C)[2]		Mascot
1317.5488	1317.6998	0.151	115	77	87	QRSYSESDCSR					Mascot
1443.7438	1443.7177	-0.0261	-18	430	441	VRAEEVIQENEK					Mascot
1443.7438	1443.7177	-0.0261	-18	430	441	VRAEEVIQENEK					Mascot
1475.7522	1475.7642	0.012	8	564	575	VKTCEVEDLQVR			Carbamidomethyl (C)[4]		Mascot
1638.8077	1638.869	0.0613	37	654	667	DQLMLMASTLEKDK			Oxidation (M)[4]		Mascot
1728.0013	1727.8539	-0.1474	-85	668	683	QGVLTRIESTVNLGK					Mascot
1743.8456	1743.8589	0.0133	8	313	325	HLQQELCHTHRER			Carbamidomethyl (C)[7]		Mascot
1743.8456	1743.8589	0.0133	8	313	325	HLQQELCHTHRER			Carbamidomethyl (C)[7]		Mascot
2103.1121	2102.9561	-0.156	-74	399	416	YLSPLLLAYEDHLSNAKDK					Mascot
2103.1121	2102.9561	-0.156	-74	399	416	YLSPLLLAYEDHLSNAKDK					Mascot
2211.0823	2211.1233	0.041	19	340	358	QQAQELVDENDGLKMTV HR					Mascot
2233.2188	2233.1069	-0.1119	-50	536	555	LALHSLSLAHQVTVDK LK					Mascot
2501.1707	2501.2778	0.1071	43	304	323	CLQQSQHMKHLQQELCH THR			Oxidation (M)[8]		Mascot

23 PREDICTED: elongation factor 2 [Danio rerio] gi|326667940 100398.6 6.99 15 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4781	850.5464	0.0683	80	675	681	ARYLAEK					Mascot
1063.5782	1063.5499	-0.0283	-27	711	719	GVQYLNEIK					Mascot

1234.6096	1234.6895	0.0799	65	102	111	DEQERCITIK						Mascot
1248.7133	1248.6918	-0.0215	-17	539	549	VMKFSVSPVVR						Mascot
1308.6583	1308.6646	0.0063	5	720	731	DSVVAGFQWATK						Mascot
1317.7524	1317.6998	-0.0526	-40	771	782	VLYASVLTQPR						Mascot
1351.7579	1351.6682	-0.0897	-66	550	562	VAVEAKNPADLPK						Mascot
1377.7848	1377.6808	-0.104	-75	459	471	VFSGIVSTGQKVR						Mascot
1475.7896	1475.7642	-0.0254	-17	191	202	IKPVLMMNKMDR						Mascot
1493.6835	1493.7441	0.0606	41	732	744	EGALCEENMRAVR			Oxidation (M)[9]			Mascot
1759.8875	1759.8466	-0.0409	-23	745	759	FDIHDVTLHADAIHR						Mascot
1759.8875	1759.8466	-0.0409	-23	745	759	FDIHDVTLHADAIHR						Mascot
1847.0248	1846.8083	-0.2165	-117	328	342	LPRTFCQLVLDPIFK			Carbamidomethyl (C)[6]			Mascot
1863.0004	1862.7999	-0.2005	-108	73	90	STLTDSLVKAGIASAR			Carbamidomethyl (C)[9]			Mascot
2086.094	2085.9387	-0.1553	-74	742	759	AVRFDIHDVTLHADAIHR						Mascot
2103.0579	2102.9561	-0.1018	-48	692	710	IWCFGPDGTGPNILVDITK			Carbamidomethyl (C)[3]			Mascot
2103.0579	2102.9561	-0.1018	-48	692	710	IWCFGPDGTGPNILVDITK			Carbamidomethyl (C)[3]			Mascot

24 PREDICTED: hypothetical protein LOC100006440 [Danio rerio] gi|326674941 150465.1 5.04 17 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4338	850.5464	0.1126	132	923	930	EIAVCTSK					Mascot
932.4406	932.4755	0.0349	37	1352	1358	NHNCFLK			Carbamidomethyl (C)[4]		Mascot
937.5175	937.4605	-0.057	-61	714	721	GVQMFLVK			Oxidation (M)[4]		Mascot
950.5781	950.4991	-0.079	-83	273	280	KPKAHIEK					Mascot
1045.5023	1045.5696	0.0673	64	234	242	DVVFTCYAK					Mascot
1063.563	1063.5499	-0.0131	-12	681	691	VISAGTSSDVK					Mascot
1130.5687	1130.601	0.0323	29	506	514	QEEEEVLVR					Mascot
1226.6085	1226.5881	-0.0204	-17	1099	1108	ENFVEKMVSK			Oxidation (M)[7]		Mascot
1317.6328	1317.6998	0.067	51	1043	1053	RVQDGCQALDR			Carbamidomethyl (C)[6]		Mascot
1638.8003	1638.869	0.0687	42	676	691	MDNSKVISAGTSSDVK					Mascot
1829.797	1829.8422	0.0452	25	792	807	EHTGPSSGIEECIEIR			Carbamidomethyl (C)[12]		Mascot
1863.0197	1862.7999	-0.2198	-118	946	962	YVGIIHAMGTLKFPSTK					Mascot
1915.8798	1915.9495	0.0697	36	1343	1358	CCVYLCISRNHNCFLK					Mascot
2017.9712	2018.1805	0.2093	104	316	333	VATDWDIETEVGEIVGER					Mascot
2040.9915	2041.0748	0.0833	41	971	989	VPLISDAMSASRFCELAC K					Mascot
2040.9915	2041.0748	0.0833	41	971	989	VPLISDAMSASRFCELAC					Mascot

	2086.0232	2085.9387	-0.0845	-41	139	157	K AAPCKPEEAVSSKETPQ TR						Carbamidomethyl (C)[4]	Mascot
	2233.1169	2233.1069	-0.01	-4	334	355	LSFPALSPSPSLTLASNC ADGK						Carbamidomethyl (C)[18]	Mascot
25	novel protein [Danio rerio]				gi 126632590		18984.4	8.81	7	39	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	827.3208	827.4323	0.1115	135	154	160	MGCCEIR				Oxidation (M)[1]		Mascot
	882.4944	882.4437	-0.0507	-57	72	78	LISAHWR						Mascot
	882.4944	882.572	0.0776	88	72	78	LISAHWR						Mascot
	1248.5453	1248.6918	0.1465	117	106	115	TETFPTDYMK				Oxidation (M)[9]		Mascot
	1449.7307	1449.765	0.0343	24	5	16	ISCFVQLNFHNK						Mascot
	2086.0889	2085.9387	-0.1502	-72	31	49	SGFLICFLISLSSEASVQK				Carbamidomethyl (C)[6]		Mascot
	2284.0378	2284.1978	0.16	70	50	69	TFEGFIGGSALFPCYYDP SR				Carbamidomethyl (C)[14]		Mascot
	3048.4111	3048.4551	0.044	14	124	151	GLTWSVDVGAYCCSISDV NSLQCTTLQVK				Carbamidomethyl (C)[11]		Mascot

26	Zgc:153569 protein [Danio rerio]				gi 171846383		59551.2	7.18	13	38	0		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	850.4669	850.5464	0.0795	93	326	332	LIAQDYK						Mascot
	983.4688	983.4511	-0.0177	-18	198	205	LICGFMDK				Carbamidomethyl (C)[3]		Mascot
	1127.5626	1127.5769	0.0143	13	249	257	AHQIKDQCK				Carbamidomethyl (C)[8]		Mascot
	1234.5773	1234.6895	0.1122	91	188	197	MTSIVFSDYR				Oxidation (M)[1]		Mascot
	1256.6715	1256.7061	0.0346	28	427	436	TLHCLMRVAR				Carbamidomethyl (C)[4]		Mascot
	1256.6715	1256.7061	0.0346	28	427	436	TLHCLMRVAR				Carbamidomethyl (C)[4]		Mascot
	1308.6113	1308.6646	0.0533	41	412	423	GEIEAHCSGLHR						Mascot
	1493.7278	1493.7441	0.0163	11	412	424	GEIEAHCSGLHRK				Carbamidomethyl (C)[7]		Mascot
	1743.7789	1743.8589	0.08	46	380	394	TVSGDCQAEMLDYRR						Mascot
	1743.7789	1743.8589	0.08	46	380	394	TVSGDCQAEMLDYRR						Mascot
	1759.7738	1759.8466	0.0728	41	380	394	TVSGDCQAEMLDYRR	4	0		Oxidation (M)[10]		Mascot
	1759.7738	1759.8466	0.0728	41	380	394	TVSGDCQAEMLDYRR				Oxidation (M)[10]		Mascot
	1830.0054	1829.8422	-0.1632	-89	364	379	LSYLLLCLESAVHRGR						Mascot
	1899.9442	1899.9529	0.0087	5	137	153	FESVALEVCTSTMLELK						Mascot
	1915.9391	1915.9495	0.0104	5	137	153	FESVALEVCTSTMLELK				Oxidation (M)[13]		Mascot
	1993.9583	1993.9924	0.0341	17	163	179	GYLMSCLVDHRANITER				Oxidation (M)[4]		Mascot

	2086.0386	2085.9387	-0.0999	-48	95	111	HTWTNNLSVLECLQDKK				Carbamidomethyl (C)[12]	Mascot
	2233.0925	2233.1069	0.0144	6	394	411	RMLMEDFSLSPEIVLHCR				Carbamidomethyl (C)[17]	Mascot
27	hypothetical protein LOC450015 [Danio rerio]				gi 54400574		36312.7	5.75	8	38	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
827.4045	827.4323	0.0278	34	258	263	FNQQYK					Mascot
842.4366	842.5138	0.0772	92	148	155	TVTEAGHK					Mascot
915.4907	915.495	0.0043	5	281	287	FVHSRNR					Mascot
983.5018	983.4511	-0.0507	-52	250	257	MFGPFKEK					Mascot
1127.6571	1127.5769	-0.0802	-71	272	280	EIIFVHTLR					Mascot
1277.6848	1277.7207	0.0359	28	288	299	VGLSFSLGINDR					Mascot
1277.6848	1277.7207	0.0359	28	288	299	VGLSFSLGINDR					Mascot
1345.6495	1345.6833	0.0338	25	70	80	SRIDYYNGTTR					Mascot
1743.8483	1743.8589	0.0106	6	140	155	GAQCEVWKTVTEAGHK					Mascot
1743.8483	1743.8589	0.0106	6	140	155	GAQCEVWKTVTEAGHK					Mascot

28	PREDICTED: hypothetical protein LOC100002352 [Danio rerio]				gi 326667104		28311.2	4.72	8	37	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1079.486	1079.5193	0.0333	31	28	37	LCQECGLDAK					Mascot
1277.6704	1277.7207	0.0503	39	179	189	LICEMARQIGK			Oxidation (M)[5]		Mascot
1277.6704	1277.7207	0.0503	39	179	189	LICEMARQIGK			Oxidation (M)[5]		Mascot
1377.5708	1377.6808	0.11	80	167	178	DMNSHIGNACMK			Carbamidomethyl (C)[10]		Mascot
1475.7887	1475.7642	-0.0245	-17	41	52	TDLLRLSEEMR					Mascot
1493.6835	1493.7441	0.0606	41	28	40	LCQECGLDAKGSR			Carbamidomethyl (C)[2,5]		Mascot
1899.8074	1899.9529	0.1455	77	237	252	FVVCENCLPSGSWDMV			Carbamidomethyl (C)[4,7]		Mascot
1915.8022	1915.9495	0.1473	77	237	252	FVVCENCLPSGSWDMV			Carbamidomethyl (C)[4,7], Oxidation (M)[15]		Mascot
2018.0229	2018.1805	0.1576	78	123	138	DWDPLQEKLDDYVLDR					Mascot
2282.9807	2283.2048	0.2241	98	167	185	DMNSHIGNACMKLICEMAR			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]		Mascot

29	hypothetical protein LOC751680 [Danio rerio]				gi 113679132		59375.2	7.18	13	36	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	850.4669	850.5464	0.0795	93	324	330	LIAQDYK										Mascot
	983.4688	983.4511	-0.0177	-18	196	203	LICGFMDK										Mascot
	1127.5626	1127.5769	0.0143	13	247	255	AHQIKDQCK										Mascot
	1234.5773	1234.6895	0.1122	91	186	195	MTSIVFSDYR										Mascot
	1256.6715	1256.7061	0.0346	28	425	434	TLHCLMRVAR										Mascot
	1256.6715	1256.7061	0.0346	28	425	434	TLHCLMRVAR										Mascot
	1308.6113	1308.6646	0.0533	41	410	421	GEIEAHCSGLHR										Mascot
	1493.7278	1493.7441	0.0163	11	410	422	GEIEAHCSGLHRK										Mascot
	1743.7789	1743.8589	0.08	46	378	392	TVSGDCQAEMLDYRR										Mascot
	1743.7789	1743.8589	0.08	46	378	392	TVSGDCQAEMLDYRR										Mascot
	1759.7738	1759.8466	0.0728	41	378	392	TVSGDCQAEMLDYRR		4	0							Mascot
	1759.7738	1759.8466	0.0728	41	378	392	TVSGDCQAEMLDYRR										Mascot
	1830.0054	1829.8422	-0.1632	-89	362	377	LSYLLLCLESAVHRGR										Mascot
	1899.9442	1899.9529	0.0087	5	135	151	FESVALEVCTSTMLELK										Mascot
	1915.9391	1915.9495	0.0104	5	135	151	FESVALEVCTSTMLELK										Mascot
	1993.9583	1993.9924	0.0341	17	161	177	GYLMSCLVDHRANITER										Mascot
	2086.0386	2085.9387	-0.0999	-48	93	109	HTWTNNLSVLECLQDKK										Mascot
	2233.0925	2233.1069	0.0144	6	392	409	RMLMEDFSLSPEIVLHCR										Mascot
30	novel protein similar to vertebrate discoidin domain receptor family, member 2 (DDR2) [Danio rerio]						gi 148725482	93333.9	5.15	13	36	0					

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	850.4451	850.5464	0.1013	119	405	411	MIEKASR		Oxidation (M)[1]		Mascot
	996.5948	996.603	0.0082	8	599	606	LRDPNIIR				Mascot
	1127.5592	1127.5769	0.0177	16	706	714	GDYYRIQGR				Mascot
	1234.6282	1234.6895	0.0613	50	683	693	NCLVGMNNIIK		Oxidation (M)[6]		Mascot
	1317.619	1317.6998	0.0808	61	277	286	MFRQAVCSFR		Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot
	1377.687	1377.6808	-0.0062	-5	358	369	RNQAPVDDPTHK				Mascot
	1829.8231	1829.8422	0.0191	10	560	575	DHCDDICVDPMLVAVK		Carbamidomethyl (C)[3]		Mascot
	1862.9647	1862.7999	-0.1648	-88	449	464	IFPLGSDYQEPSQLLR				Mascot
	2018.0665	2018.1805	0.114	56	109	126	QGRQIIEGNSNAYDIVLK				Mascot
	2086.0105	2085.9387	-0.0718	-34	136	152	FVRFPVTDPSMIVCMR		Carbamidomethyl (C)[15]		Mascot
	2102.0054	2101.939	-0.0664	-32	136	152	FVRFPVTDPSMIVCMR		Carbamidomethyl (C)[15], Oxidation (M)[5]		Mascot
	2284.1753	2284.1978	0.0225	10	509	529	VTVVNMPLSPGRDGALE EFPR				Mascot

	2501.0781	2501.2778	0.1997	80	538	559	LGEGQFGEVHLCEAEGM QEFMK		Oxidation (M)[17,21]	Mascot	
	2872.3765	2872.4285	0.052	18	779	801	QVYLLRPACCPESLYSLM LNCWR		Carbamidomethyl (C)[9,10]	Mascot	
31	Si:dkey-21n12.1 protein [Danio rerio]				gi 33416381		52010.8	5.01	9	35	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	882.3621	882.4437	0.0816	92	328	334	MDTNETR		Oxidation (M)[1]		Mascot
	932.4796	932.4755	-0.0041	-4	319	326	TKDAQVDR				Mascot
	1127.5691	1127.5769	0.0078	7	188	196	EELQKHSEK				Mascot
	1226.5721	1226.5881	0.016	13	13	22	GYQELTVECK		Carbamidomethyl (C)[9]		Mascot
	1345.5688	1345.6833	0.1145	85	281	292	TCFDDSRSSAEK				Mascot
	1993.927	1993.9924	0.0654	33	373	390	TPDSEVVTENMGITIEDIK		Oxidation (M)[11]		Mascot
	2101.9883	2101.939	-0.0493	-23	197	216	ANGSDVIAGSIKEEPQDD EK				Mascot
	2102.9885	2102.9561	-0.0324	-15	23	39	TGILKYLCECQFDDNVK		Carbamidomethyl (C)[8,10]		Mascot
	2102.9885	2102.9561	-0.0324	-15	23	39	TGILKYLCECQFDDNVK		Carbamidomethyl (C)[8,10]		Mascot
	2118.833	2118.9597	0.1267	60	121	139	EQEEGSSNNSPNPDDDEE NK				Mascot
	2118.833	2118.9597	0.1267	60	121	139	EQEEGSSNNSPNPDDDEE NK				Mascot

32	cyclin-F [Danio rerio]				gi 46309465		84852.2	5.63	13	35	0
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	915.4101	915.495	0.0849	93	576	583	ADSMQAHHR				Mascot
	950.4399	950.4991	0.0592	62	495	502	CFGQDVPK		Carbamidomethyl (C)[1]		Mascot
	1079.5084	1079.5193	0.0109	10	123	132	ADLCGRMASR				Mascot
	1234.6426	1234.6895	0.0469	38	93	104	AAEKGNFEAAVK				Mascot
	1256.6238	1256.7061	0.0823	65	240	248	YLQCMRTLRL		Carbamidomethyl (C)[4], Oxidation (M)[5]		Mascot
	1256.6238	1256.7061	0.0823	65	240	248	YLQCMRTLRL		Carbamidomethyl (C)[4], Oxidation (M)[5]		Mascot
	1308.6405	1308.6646	0.0241	18	254	264	GCWEAQLAFVK		Carbamidomethyl (C)[2]		Mascot
	1317.658	1317.6998	0.0418	32	172	183	LQAECQTSPGRK				Mascot
	1846.97	1846.8083	-0.1617	-88	349	364	AQLQLLGIACMVICTR		Carbamidomethyl (C)[10,14]		Mascot
	1862.9065	1862.7999	-0.1066	-57	324	339	DFSSQVLHVTISCVDR		Carbamidomethyl (C)[13]		Mascot
	1915.9701	1915.9495	-0.0206	-11	81	96	WPAPDTVWLFERAAEK				Mascot
	1994.0228	1993.9924	-0.0304	-15	105	122	LGIAYLYNEGPLLSEEGR				Mascot
	2283.1689	2283.2048	0.0359	16	184	202	GTLLYCLARVLQLFDDEE K		Carbamidomethyl (C)[6]		Mascot

	2283.9778	2284.1978	0.22	96	628	647	DGEISTMEVQMELPLDC ADR					Oxidation (M)[7,11]	Mascot
33	JAZF zinc finger 1b [Danio rerio]				gi 56693332		13215.8	6.96	5	34	0		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	%	Modification	Rank Result Type
	827.3716	827.4323	0.0607	73	64	70 FMTDAAR						Oxidation (M)[2]	Mascot
	983.4727	983.4511	-0.0216	-22	64	71 FMTDAARR						Oxidation (M)[2]	Mascot
	1179.6401	1179.6095	-0.0306	-26	84	94 LSLSLMGSLSR						Oxidation (M)[6]	Mascot
	1615.92	1615.7828	-0.1372	-85	80	94 VQPKLSLSLMGSLSR							Mascot
	1959.0692	1959.0012	-0.068	-35	84	102 LSLSLMGSLSRSSVATPP R							Mascot
34	Kv channel interacting protein 1 b [Danio rerio]				gi 56693340		24973	5.1	7	34	0		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	%	Modification	Rank Result Type
	996.5109	996.603	0.0921	92	14	21 QVSYRTDK							Mascot
	1063.5208	1063.5499	0.0291	27	172	180 AHVDAFFEK							Mascot
	1130.4857	1130.601	0.1153	102	207	215 SMQLFENVN						Oxidation (M)[2,9]	Mascot
	1351.7256	1351.6682	-0.0574	-42	160	171 YTYPALKGDVPK							Mascot
	1915.8962	1915.9495	0.0533	28	144	159 EEMTEIVRAIDMMGK							Mascot
	2041.0358	2041.0748	0.039	19	1	18 MGVLGTFSMHTKQVSY R							Mascot
	2041.0358	2041.0748	0.039	19	1	18 MGVLGTFSMHTKQVSY R							Mascot
	2501.0994	2501.2778	0.1784	71	186	206 DGVVTLEEFVLACQEDE NMMR						Carbamidomethyl (C)[13], Oxidation (M)[19]	Mascot
35	PREDICTED: discoidin domain-containing receptor 2 [Danio rerio]				gi 326664709		95172.7	5.15	13	34	0		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	%	Modification	Rank Result Type
	850.4451	850.5464	0.1013	119	421	427 MIEKASR						Oxidation (M)[1]	Mascot
	996.5948	996.603	0.0082	8	615	622 LRDPNIIR							Mascot
	1127.5592	1127.5769	0.0177	16	722	730 GDYYRIQGR							Mascot
	1234.6282	1234.6895	0.0613	50	699	709 NCLVGMNNIIK						Oxidation (M)[6]	Mascot
	1317.619	1317.6998	0.0808	61	293	302 MFRQAVCSFR						Carbamidomethyl (C)[7], Oxidation (M)[1]	Mascot
	1377.687	1377.6808	-0.0062	-5	374	385 RNQAPVDDPTHK							Mascot
	1829.8231	1829.8422	0.0191	10	576	591 DHCDDICVDPLMLVAVK						Carbamidomethyl (C)[3]	Mascot

	1862.9647	1862.7999	-0.1648	-88	465	480	IFPLGSDYQEPSQLLR										Mascot
	2018.0665	2018.1805	0.114	56	132	149	QGRQIIEGNSNAYDIVLK										Mascot
	2086.0105	2085.9387	-0.0718	-34	159	175	FVRFMPTDPSMIVCMR					Carbamidomethyl (C)[15]					Mascot
	2102.0054	2101.939	-0.0664	-32	159	175	FVRFMPTDPSMIVCMR					Carbamidomethyl (C)[15], Oxidation (M)[5]					Mascot
	2284.1753	2284.1978	0.0225	10	525	545	VTVMNPLSPGRDGALE EFPR										Mascot
	2501.0781	2501.2778	0.1997	80	554	575	LGEGQFGEVHLCEAEGM QEFMK					Oxidation (M)[17,21]					Mascot
	2872.3765	2872.4285	0.052	18	795	817	QVYLLRPACCPESLYSLM LNCWR					Carbamidomethyl (C)[9,10]					Mascot
36	growth/differentiation factor 9 [Danio rerio]				gi 59933270		48701.4	8.77	10	34	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.5032	850.5464	0.0432	51	324	330	VSFKELK					Mascot
882.3873	882.4437	0.0564	64	298	305	SSETSMPK			Oxidation (M)[6]		Mascot
1248.6696	1248.6918	0.0222	18	282	291	STLWELTSRR					Mascot
1345.6495	1345.6833	0.0338	25	94	105	SPEASHLYNTAR					Mascot
1846.9342	1846.8083	-0.1259	-68	2	16	ATLFFKCSALCYLPR			Carbamidomethyl (C)[7,11]		Mascot
1993.9696	1993.9924	0.0228	11	1	16	MATLFFKCSALCYLPR			Carbamidomethyl (C)[8,12], Oxidation (M)[1]		Mascot
2119.1335	2118.9597	-0.1738	-82	195	212	WVEVDVTSFLHPLIAHK					Mascot
2119.1335	2118.9597	-0.1738	-82	195	212	WVEVDVTSFLHPLIAHK					Mascot
2225.156	2225.1423	-0.0137	-6	246	264	SPSLLLYLNDTSEVAYQR R					Mascot
2584.2759	2584.23	-0.0459	-18	168	190	SSKQMCNSNHLGIQHSV PLLSFR					Mascot
3048.3833	3048.4551	0.0718	24	348	373	GSCP RN VGFMYGSPMH TMVQNLIYEK			Carbamidomethyl (C)[3], Oxidation (M)[10,15]		Mascot

37 dual specificity protein phosphatase CDC14B [Danio rerio] gi|41055744 45462.1 9.39 9 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
932.448	932.4755	0.0275	29	2	8	LYRFCCK					Mascot
1063.4885	1063.5499	0.0614	58	1	8	MLYRFCCK					Mascot
1079.4835	1079.5193	0.0358	33	1	8	MLYRFCCK			Oxidation (M)[1]		Mascot
1130.5994	1130.601	0.0016	1	129	138	FLAFSSPHPK					Mascot
1256.6377	1256.7061	0.0684	54	226	236	TGTLIGCYLMK			Carbamidomethyl (C)[7]		Mascot
1256.6377	1256.7061	0.0684	54	226	236	TGTLIGCYLMK			Carbamidomethyl (C)[7]		Mascot
1308.7747	1308.6646	-0.1101	-84	160	170	HNVTTIIRLNK					Mascot

	1345.6707	1345.6833	0.0126	9	281	292	QKINEQENGSAK										Mascot
	1959.0393	1959.0012	-0.0381	-19	293	312	TAVAGILSGVEDISINGTN K										Mascot
	1994.0164	1993.9924	-0.024	-12	34	51	QANAAYLIGSYAVMHLQK					Oxidation (M)[14]					Mascot
	2584.2104	2584.23	0.0196	8	72	93	DASFGACMYNLNILDCLR AVHK					Carbamidomethyl (C)[7,16], Oxidation (M)[8]					Mascot
38	PREDICTED: protein FAM178A [Danio rerio]				gi 326672896		105060	4.82	10	33	0	11	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4002	842.5138	0.1136	135	239	246	VEGSGEHK					Mascot
915.541	915.495	-0.046	-50	746	752	WQVLLTR					Mascot
983.5883	983.4511	-0.1372	-139	619	627	HLSVSIISK					Mascot
1130.6429	1130.601	-0.0419	-37	125	134	APPSQPHLRK					Mascot
1256.7321	1256.7061	-0.026	-21	602	612	RIVSILPESSR					Mascot
1256.7321	1256.7061	-0.026	-21	602	612	RIVSILPESSR	11	0			Mascot
1638.8633	1638.869	0.0057	3	412	426	ISMTSVHPNPIISSR					Mascot
1727.823	1727.8539	0.0309	18	919	933	DTLEMKDGMLLDAFI			Oxidation (M)[5]		Mascot
1743.818	1743.8589	0.0409	23	919	933	DTLEMKDGMLLDAFI			Oxidation (M)[5,9]		Mascot
1743.9124	1743.8589	-0.0535	-31	31	47	VDIQATSSSSILNSPPK					Mascot
1915.8556	1915.9495	0.0939	49	253	268	DPLDIELGDDWDDELRL					Mascot
2872.3127	2872.4285	0.1158	40	135	160	VSPKSSMTFDSIETHFTP DNCASVAK			Carbamidomethyl (C)[21], Oxidation (M)[7]		Mascot

39	novel protein [Danio rerio]				gi 94734348		21299.6	5.2	6	33	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
950.5128	950.4991	-0.0137	-14	123	130	MFIGNQLK					Mascot
1234.5433	1234.6895	0.1462	118	112	122	QDEAADTLEDK					Mascot
1248.7384	1248.6918	-0.0466	-37	49	58	NLLEIFKMLK					Mascot
1449.8497	1449.765	-0.0847	-58	56	67	MLKNQIITFLTK					Mascot
1638.7163	1638.869	0.1527	93	109	122	EMKQDEAADTLEDK			Oxidation (M)[2]		Mascot
1899.9884	1899.9529	-0.0355	-19	93	108	CTITEAALDLTYFLR			Carbamidomethyl (C)[1]		Mascot

40	hypothetical protein LOC569044 [Danio rerio]				gi 139949249		71104.8	5.81	10	33	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	850.4781	850.5464	0.0683	80	465	471	AIDTRFK										Mascot
	1063.524	1063.5499	0.0259	24	566	574	CLNEFPGVK						Carbamidomethyl (C)[1]				Mascot
	1256.6844	1256.7061	0.0217	17	314	326	DLAEAVTKGPAGK										Mascot
	1256.6844	1256.7061	0.0217	17	314	326	DLAEAVTKGPAGK										Mascot
	1277.6783	1277.7207	0.0424	33	147	157	RVMSPNFVTR										Mascot
	1277.6783	1277.7207	0.0424	33	147	157	RVMSPNFVTR										Mascot
	1345.6967	1345.6833	-0.0134	-10	26	37	NITVQC�LCLPK										Mascot
	1362.7086	1362.7084	-0.0002	0	563	574	DLKCLNEFPGVK										Mascot
	1362.7086	1362.7084	-0.0002	0	563	574	DLKCLNEFPGVK										Mascot
	1615.8407	1615.7828	-0.0579	-36	24	37	GRNITVQC�LCLPK						Carbamidomethyl (C)[8]				Mascot
	1744.0553	1743.8589	-0.1964	-113	429	443	CFLGIVIPTLLTLKR						Carbamidomethyl (C)[1]				Mascot
	1744.0553	1743.8589	-0.1964	-113	429	443	CFLGIVIPTLLTLKR						Carbamidomethyl (C)[1]				Mascot
	1899.8496	1899.9529	0.1033	54	342	359	AESSMETAVAMESIANM K										Mascot
	1915.8446	1915.9495	0.1049	55	342	359	AESSMETAVAMESIANM K						Oxidation (M)[5]				Mascot
	2283.1472	2283.2048	0.0576	25	209	229	SAALACTRIPSNYTCETII AK						Carbamidomethyl (C)[6]				Mascot
41	PREDICTED: transient receptor potential cation channel subfamily M member 4-like [Danio rerio]						gi 326666046	137203	6.89	8	33	0	23	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	827.4556	827.4323	-0.0233	-28	591	597	AMKHAVNK					Mascot
	950.4677	950.4991	0.0314	33	657	664	LETETETK					Mascot
	1165.7667	1165.7522	-0.0145	-12	910	920	QLGPKIIVGK					Mascot
	1317.6758	1317.6998	0.024	18	541	553	SQATNLTPSAAR					Mascot
	1432.7828	1432.7548	-0.028	-20	1141	1152	VDSVLKQMVEIR	23	0	Oxidation (M)[8]		Mascot
	1432.7828	1432.7548	-0.028	-20	1141	1152	VDSVLKQMVEIR			Oxidation (M)[8]		Mascot
	1443.6467	1443.7177	0.071	49	184	196	HHCAMASSLSQAK			Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot
	1443.6467	1443.7177	0.071	49	184	196	HHCAMASSLSQAK			Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot
	1899.9712	1899.9529	-0.0183	-10	441	456	VDIAKTELFNGDVHWR					Mascot
	2584.3301	2584.23	-0.1001	-39	152	176	QGLVHAAQSTGAWIMTS GLKEGVSR					Mascot

42 PREDICTED: PDZ domain-containing protein 8-like [Danio rerio] gi|189530829 125112.9 5.87 10 32 0 17 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	827.4661	827.4323	-0.0338	-41	170	176	SAYLFVK						Mascot
	842.4188	842.5138	0.095	113	720	726	LCAPEPR				Carbamidomethyl (C)[2]		Mascot
	996.5724	996.603	0.0306	31	522	530	ESPKPPTLK						Mascot
	1045.4908	1045.5696	0.0788	75	587	596	TQPNTGNGEK						Mascot
	1130.5801	1130.601	0.0209	18	985	994	GLPTDERSQK						Mascot
	1351.7482	1351.6682	-0.08	-59	79	89	DTPVVRHWITK						Mascot
	1829.8949	1829.8422	-0.0527	-29	910	927	LAEQVADMGSGVVEPSK				Oxidation (M)[8]		Mascot
	1846.8687	1846.8083	-0.0604	-33	857	871	CLLEHPYCVAASDRR				Carbamidomethyl (C)[1,8]		Mascot
	2041.0382	2041.0748	0.0366	18	908	927	ARLAEQVADMGSGVVEPSPK						Mascot
	2041.0382	2041.0748	0.0366	18	908	927	ARLAEQVADMGSGVVEPSPK	17		0			Mascot
	2284.2158	2284.1978	-0.018	-8	60	78	AETCDFLNAILFLFRELR						Mascot
43	annexin A4 [Danio rerio]				gi 32401412		35611.3	6.07	9	32	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
950.5491	950.4991	-0.05	-53	195	202	FLTVLCVR					Mascot
1063.5339	1063.5499	0.016	15	278	286	AEIDMLDIK			Oxidation (M)[5]		Mascot
1079.5632	1079.5193	-0.0439	-41	247	255	NKPAFFAER					Mascot
1277.7146	1277.7207	0.0061	5	195	204	FLTVLCVRNR			Carbamidomethyl (C)[6]		Mascot
1277.7146	1277.7207	0.0061	5	195	204	FLTVLCVRNR			Carbamidomethyl (C)[6]		Mascot
1351.6959	1351.6682	-0.0277	-20	60	71	LSVGKELMDCLK			Oxidation (M)[8]		Mascot
1493.7992	1493.7441	-0.0551	-37	259	272	SMKGLGTTDSVLIR			Oxidation (M)[2]		Mascot
1846.7582	1846.8083	0.0501	27	137	152	SLEDDICGDTSGMFQR			Carbamidomethyl (C)[7], Oxidation (M)[13]		Mascot
2102.0911	2101.939	-0.1521	-72	99	118	NAIKGAGTEEACLIDILASR			Carbamidomethyl (C)[12]		Mascot
2282.9653	2283.2048	0.2395	105	133	152	EHDKSLEDDICGDTSGMFQR					Mascot

44 novel protein [Danio rerio] gi|94733484 114560.5 5.78 13 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1063.6047	1063.5499	-0.0548	-52	1031	1038	RFIFPQQK					Mascot
1234.6538	1234.6895	0.0357	29	350	359	DKLTAQQFQR					Mascot
1277.7252	1277.7207	-0.0045	-4	1032	1041	FIFPQQKLEK					Mascot
1277.7252	1277.7207	-0.0045	-4	1032	1041	FIFPQQKLEK					Mascot

	1308.6907	1308.6646	-0.0261	-20	752	763	SQIPSQPLSHSK						Mascot
	1317.8477	1317.6998	-0.1479	-112	970	981	RAAVHVIALVLR						Mascot
	1362.7119	1362.7084	-0.0035	-3	530	541	VQCLVQLLGDMK			Oxidation (M)[11]			Mascot
	1362.7119	1362.7084	-0.0035	-3	530	541	VQCLVQLLGDMK			Oxidation (M)[11]			Mascot
	1377.6791	1377.6808	0.0017	1	928	940	ASSLSNLGELCQR						Mascot
	1707.9541	1707.7872	-0.1669	-98	702	717	ATIATHGAYHPKTVLK						Mascot
	1830.0516	1829.8422	-0.2094	-114	417	434	ICVVGNSTSNVLLKALAK						Mascot
	1899.7921	1899.9529	0.1608	85	785	801	AFSECMLEACDPDVPTR			Oxidation (M)[6]			Mascot
	1959.0142	1959.0012	-0.013	-7	1	19	GQLSDGQTTEAALLSAL QR						Mascot
	1994.2048	1993.9924	-0.2124	-107	237	254	VYQPIVIKELLVLQGGPK						Mascot
	3048.5254	3048.4551	-0.0703	-23	189	216	HLGDIMAALCQLAYRPQ RPDGDGAKSHK						Mascot
45	casein kinase 1-alphaL [Danio rerio]				gi 21591725		40471.7	9.54	9	32	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.5459	1045.5696	0.0237	23	153	161	CLESPVGKR			Carbamidomethyl (C)[1]		Mascot
1179.5748	1179.6095	0.0347	29	269	278	MSTPVEVLCK			Carbamidomethyl (C)[9], Oxidation (M)[1]		Mascot
1234.6534	1234.6895	0.0361	29	268	278	KMSTPVEVLCK					Mascot
1377.7229	1377.6808	-0.0421	-31	112	123	TVLMLADQMISR					Mascot
1449.6355	1449.765	0.1295	89	296	306	FEEAPDYMRL			Oxidation (M)[8]		Mascot
1475.7675	1475.7642	-0.0033	-2	136	148	DIKPDNFLMGIGR					Mascot
1759.8472	1759.8466	-0.0006	0	293	306	GLRFEEAPDYMRL	3	0			Mascot
1759.8472	1759.8466	-0.0006	0	293	306	GLRFEEAPDYMRL					Mascot
1993.9476	1993.9924	0.0448	22	296	310	FEEAPDYMRLQLFR			Oxidation (M)[8]		Mascot
2040.9153	2041.0748	0.1595	78	229	244	RDDMESLGYVLMYFNR			Oxidation (M)[4,12]		Mascot
2040.9153	2041.0748	0.1595	78	229	244	RDDMESLGYVLMYFNR			Oxidation (M)[4,12]		Mascot

46	PREDICTED: insulin receptor substrate 1-B-like [Danio rerio]				gi 326674337		118937.4	8.49	1	24	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1743.9421	1743.8589	-0.0832	-48	179	194	LNSDAAAVVLQLMNIR	24	0	Oxidation (M)[13]	4	Mascot

47	PREDICTED: neurabin-1-like [Danio rerio]				gi 326670455		143069.6	4.9	1	17	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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				Seq.	Seq.	Score					
	1362.614	1362.7084	0.0944	69	371	383	EQCLDPAGAGMVR	17	0	Oxidation (M)[11]	2 Mascot
48	hypothetical protein LOC556137 [Danio rerio]				gi 113677313	19802	5.55	1	16	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence		Ion Score	C. I. %	Modification	Rank	Result Type
	1759.811	1759.8466	0.0356	20	2	16	LLDYCCRCCTALIR	16	0	Carbamidomethyl (C)[5]	2	Mascot
49	calcium-binding protein 1 [Danio rerio]				gi 50539888		19114.3	4.69	1	15	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence		Ion Score	C. I. %	Modification	Rank	Result Type
	1432.6737	1432.7548	0.0811	57	18	28 ELRPEEMDELIR		15	0	Oxidation (M)[7]	4	Mascot
50	leucine-rich repeat-containing protein 61 [Danio rerio]				gi 112363130	29557.2	6.14	1	15	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	1256.7433	1256.7061	-0.0372	-30	75	85	RLLSLNLSANR	15	0		2	Mascot

Gel Idx/Pos	202/I2	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	keratin 8 [Danio rerio]	gi 29335502	55516.4	5.01	20	645	100	527	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	827.4297	827.4326	0.0029	4	105	111	FASFDK					Mascot
	839.4005	839.4035	0.003	4	22	29	SSYGGVNR					Mascot
	931.4843	931.4857	0.0014	2	308	315	TEIADLNR					Mascot
	1063.5419	1063.5461	0.0042	4	229	236	QIFEEEIR					Mascot
	1079.5116	1079.5172	0.0056	5	268	276	AQYEDIANR					Mascot
	1200.6583	1200.6636	0.0053	4	356	365	IKDLEDALQR					Mascot
	1248.6252	1248.6893	0.0641	51	153	163	QLDSLGNCKMK					Mascot

	1270.5885	1270.5956	0.0071	6	277	286	SRAEAEMWYK					Mascot
	1277.71	1277.7164	0.0064	5	385	395	LALDIEIATYR	93	100			Mascot
	1277.71	1277.7164	0.0064	5	385	395	LALDIEIATYR					Mascot
	1286.5834	1286.5896	0.0062	5	277	286	SRAEAEMWYK		Oxidation (M)[7]			Mascot
	1317.691	1317.6975	0.0065	5	126	136	WSLLQNQTATR					Mascot
	1317.691	1317.6975	0.0065	5	126	136	WSLLQNQTATR	86	100			Mascot
	1345.678	1345.6841	0.0061	5	256	267	NLDMDAIVAEVR					Mascot
	1361.673	1361.6798	0.0068	5	256	267	NLDMDAIVAEVR		Oxidation (M)[4]			Mascot
	1381.6667	1381.6721	0.0054	4	190	200	TECENEFLIK		Carbamidomethyl (C)[3]			Mascot
	1449.7584	1449.7642	0.0058	4	217	228	LESLTDEINFLR					Mascot
	1449.7584	1449.7642	0.0058	4	217	228	LESLTDEINFLR	82	100			Mascot
	1486.7133	1486.72	0.0067	5	332	344	ANLENQIAEAEER					Mascot
	1519.6846	1519.6925	0.0079	5	2	15	NFSSLSYSGPSMSR					Mascot
	1535.6794	1535.6902	0.0108	7	2	15	NFSSLSYSGPSMSR		Oxidation (M)[12]			Mascot
	1727.8422	1727.851	0.0088	5	137	151	SNIDAMFEAYIANLR					Mascot
	1727.8422	1727.851	0.0088	5	137	151	SNIDAMFEAYIANLR	122	100			Mascot
	1743.837	1743.8464	0.0094	5	137	151	SNIDAMFEAYIANLR	80	100	Oxidation (M)[6]		Mascot
	1743.837	1743.8464	0.0094	5	137	151	SNIDAMFEAYIANLR		Oxidation (M)[6]			Mascot
	1899.9381	1899.9476	0.0095	5	137	152	SNIDAMFEAYIANLRR		Oxidation (M)[6]			Mascot
	2018.1644	2018.1779	0.0135	7	74	91	SLLAPLNLEIDPNIQIVR	144	100			Mascot
	2018.1644	2018.1779	0.0135	7	74	91	SLLAPLNLEIDPNIQIVR					Mascot
	2119.1282	2118.957	-0.1712	-81	211	228	VELEAKLES LTDEINFLR					Mascot
	2130.0244	2130.0393	0.0149	7	332	350	ANLENQIAEAEERGEMA VR					Mascot
	2146.0193	2146.0376	0.0183	9	332	350	ANLENQIAEAEERGEMA VR		Oxidation (M)[16]			Mascot
2	keratin, type II cytoskeletal 8 [Danio rerio]				g 41056085	57723.4	5.15	20	642	100	527	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
827.4297	827.4326	0.0029	4	126	132	FASFIDK					Mascot
839.4005	839.4035	0.003	4	43	50	SSYGGVNR					Mascot
931.4843	931.4857	0.0014	2	329	336	TEIADLNR					Mascot
1063.5419	1063.5461	0.0042	4	250	257	QIFEEEIR					Mascot
1079.5116	1079.5172	0.0056	5	289	297	AQYEDIANR					Mascot
1200.6583	1200.6636	0.0053	4	377	386	IKDLEDALQR					Mascot
1248.6252	1248.6893	0.0641	51	174	184	QLDSLGNCKMK					Mascot

1270.5885	1270.5956	0.0071	6	298	307	SRAEAEMWYK				Mascot
1277.71	1277.7164	0.0064	5	406	416	LALDIEIATYR	93	100		Mascot
1277.71	1277.7164	0.0064	5	406	416	LALDIEIATYR				Mascot
1286.5834	1286.5896	0.0062	5	298	307	SRAEAEMWYK			Oxidation (M)[7]	Mascot
1317.691	1317.6975	0.0065	5	147	157	WSLLQNQTATR				Mascot
1317.691	1317.6975	0.0065	5	147	157	WSLLQNQTATR	86	100		Mascot
1345.678	1345.6841	0.0061	5	277	288	NLDMDAIVAEVR				Mascot
1361.673	1361.6798	0.0068	5	277	288	NLDMDAIVAEVR			Oxidation (M)[4]	Mascot
1381.6667	1381.6721	0.0054	4	211	221	TECENEFVLIK			Carbamidomethyl (C)[3]	Mascot
1449.7584	1449.7642	0.0058	4	238	249	LESLTDEINFLR				Mascot
1449.7584	1449.7642	0.0058	4	238	249	LESLTDEINFLR	82	100		Mascot
1486.7133	1486.72	0.0067	5	353	365	ANLENQIAEAEER				Mascot
1519.6846	1519.6925	0.0079	5	23	36	NFSSLSYSGPSMSR				Mascot
1535.6794	1535.6902	0.0108	7	23	36	NFSSLSYSGPSMSR			Oxidation (M)[12]	Mascot
1727.8422	1727.851	0.0088	5	158	172	SNIDAMFEAYIANLR				Mascot
1727.8422	1727.851	0.0088	5	158	172	SNIDAMFEAYIANLR	122	100		Mascot
1743.837	1743.8464	0.0094	5	158	172	SNIDAMFEAYIANLR	80	100	Oxidation (M)[6]	Mascot
1743.837	1743.8464	0.0094	5	158	172	SNIDAMFEAYIANLR			Oxidation (M)[6]	Mascot
1899.9381	1899.9476	0.0095	5	158	173	SNIDAMFEAYIANLRR			Oxidation (M)[6]	Mascot
2018.1644	2018.1779	0.0135	7	95	112	SLLAPLNLEIDPNIQIVR	144	100		Mascot
2018.1644	2018.1779	0.0135	7	95	112	SLLAPLNLEIDPNIQIVR				Mascot
2119.1282	2118.957	-0.1712	-81	232	249	VELEAKLESLTDEINFLR				Mascot
2130.0244	2130.0393	0.0149	7	353	371	ANLENQIAEAEERGEMAVR				Mascot
2146.0193	2146.0376	0.0183	9	353	371	ANLENQIAEAEERGEMAVR			Oxidation (M)[16]	Mascot

Peptide Information

1277.71	1277.7164	0.0064	5	406	416	LALDIEIATYR	93	100		Mascot
1277.71	1277.7164	0.0064	5	406	416	LALDIEIATYR				Mascot
1286.5834	1286.5896	0.0062	5	298	307	SRAEAEMWYK			Oxidation (M)[7]	Mascot
1317.691	1317.6975	0.0065	5	147	157	WSLLQNQTATR				Mascot
1317.691	1317.6975	0.0065	5	147	157	WSLLQNQTATR	86	100		Mascot
1381.6667	1381.6721	0.0054	4	211	221	TECENEFLIK			Carbamidomethyl (C)[3]	Mascot
1449.7584	1449.7642	0.0058	4	238	249	LESLTDEINFLR				Mascot
1449.7584	1449.7642	0.0058	4	238	249	LESLTDEINFLR	82	100		Mascot
1486.7133	1486.72	0.0067	5	353	365	ANLENQIAEAEER				Mascot
1519.6846	1519.6925	0.0079	5	23	36	NFSSLSYSGPSMSR				Mascot
1535.6794	1535.6902	0.0108	7	23	36	NFSSLSYSGPSMSR			Oxidation (M)[12]	Mascot
1727.8422	1727.851	0.0088	5	158	172	SNIDAMFEAYIANLR				Mascot
1727.8422	1727.851	0.0088	5	158	172	SNIDAMFEAYIANLR	122	100		Mascot
1743.837	1743.8464	0.0094	5	158	172	SNIDAMFEAYIANLR	80	100	Oxidation (M)[6]	Mascot
1743.837	1743.8464	0.0094	5	158	172	SNIDAMFEAYIANLR			Oxidation (M)[6]	Mascot
1899.9381	1899.9476	0.0095	5	158	173	SNIDAMFEAYIANLRR			Oxidation (M)[6]	Mascot
2018.1644	2018.1779	0.0135	7	95	112	SLLAPLNLEIDPNIQIVR	144	100		Mascot
2018.1644	2018.1779	0.0135	7	95	112	SLLAPLNLEIDPNIQIVR				Mascot
2119.1282	2118.957	-0.1712	-81	232	249	VELEAKLESLTDEINFLR				Mascot
2130.0244	2130.0393	0.0149	7	353	371	ANLENQIAEAEERGEMA VR				Mascot
2146.0193	2146.0376	0.0183	9	353	371	ANLENQIAEAEERGEMA VR			Oxidation (M)[16]	Mascot

4 Krt4 protein [Danio rerio] gi|161612220 53979.9 5.34 18 599 100 495 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
827.4297	827.4326	0.0029	4	125	131	FASFIDK					Mascot
915.4893	915.4935	0.0042	5	328	335	AEIAELNR					Mascot
950.4941	950.4966	0.0025	3	249	256	AVYEAELR					Mascot
1079.5116	1079.5172	0.0056	5	288	296	AQYEDIANR					Mascot
1226.5801	1226.5848	0.0047	4	297	306	SRAEAESWYK					Mascot
1248.6833	1248.6893	0.006	5	210	220	ASVENEFVLLK					Mascot
1256.6957	1256.7025	0.0068	5	376	385	IRELEELQR					Mascot
1277.71	1277.7164	0.0064	5	405	415	LALDIEIATYR	93	100			Mascot
1277.71	1277.7164	0.0064	5	405	415	LALDIEIATYR					Mascot
1361.673	1361.6798	0.0068	5	276	287	NLDMDSIVAEVR					Mascot

1362.7013	1362.7037	0.0024	2	146	156	WSLLQEQTTR													Mascot
1362.7013	1362.7037	0.0024	2	146	156	WSLLQEQTTR	65	99.992											Mascot
1377.6678	1377.6768	0.009	7	276	287	NLDMSIVAEVR													Mascot
1432.743	1432.7495	0.0065	5	237	248	VDALQDEINFLR													Mascot
1432.743	1432.7495	0.0065	5	237	248	VDALQDEINFLR	110	100											Mascot
1443.7074	1443.7144	0.007	5	352	364	ANLEAQIAEAEER													Mascot
1743.837	1743.8464	0.0094	5	157	171	SNIDAMFEAYISNLR	119	100											Mascot
1743.837	1743.8464	0.0094	5	157	171	SNIDAMFEAYISNLR													Mascot
1759.8319	1759.8414	0.0095	5	157	171	SNIDAMFEAYISNLR	78	100	Oxidation (M)[6]										Mascot
1759.8319	1759.8414	0.0095	5	157	171	SNIDAMFEAYISNLR			Oxidation (M)[6]										Mascot
1846.7913	1846.8007	0.0094	5	309	324	FEEMQSTAGQYGDDL													Mascot
1862.7861	1862.7971	0.011	6	309	324	FEEMQSTAGQYGDDL			Oxidation (M)[4]										Mascot
1899.9381	1899.9476	0.0095	5	157	172	SNIDAMFEAYISNLR													Mascot
2041.0559	2041.0684	0.0125	6	352	370	ANLEAQIAEAEERGELAV K	109	100											Mascot
2041.0559	2041.0684	0.0125	6	352	370	ANLEAQIAEAEERGELAV K													Mascot
2102.1128	2101.9287	-0.1841	-88	231	248	VELEAKVDALQDEINFLR													Mascot
2102.9448	2102.9509	0.0061	3	307	324	QKFEEMQSTAGQYGDDL R													Mascot
2118.9397	2118.957	0.0173	8	307	324	QKFEEMQSTAGQYGDDL R			Oxidation (M)[6]										Mascot

5

keratin 4 [Danio rerio]

gi|18858947

54242

5.42

17

590

100

497

100

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
915.4893	915.4935	0.0042	5	329	336	AEIAELNR					Mascot
950.4941	950.4966	0.0025	3	250	257	AVYEAELR					Mascot
1079.5116	1079.5172	0.0056	5	289	297	AQYEDIANR					Mascot
1226.5801	1226.5848	0.0047	4	298	307	SRAEAESWYK					Mascot
1248.6833	1248.6893	0.006	5	211	221	ASVENEFLVLLK					Mascot
1256.6957	1256.7025	0.0068	5	377	386	IRELEEALQR					Mascot
1277.71	1277.7164	0.0064	5	406	416	LALDIEIATYR	93	100			Mascot
1277.71	1277.7164	0.0064	5	406	416	LALDIEIATYR					Mascot
1361.673	1361.6798	0.0068	5	277	288	NLDMSIVAEVR					Mascot
1362.7013	1362.7037	0.0024	2	147	157	WSLLQEQTTR					Mascot
1362.7013	1362.7037	0.0024	2	147	157	WSLLQEQTTR	65	99.992			Mascot
1377.6678	1377.6768	0.009	7	277	288	NLDMSIVAEVR			Oxidation (M)[4]		Mascot
1432.743	1432.7495	0.0065	5	238	249	VDALQDEINFLR					Mascot

1432.743	1432.7495	0.0065	5	238	249	VDALQDEINFLR	110	100		Mascot
1443.7074	1443.7144	0.007	5	353	365	ANLEAQIAEAEER				Mascot
1743.837	1743.8464	0.0094	5	158	172	SNIDAMFEAYISNLR	119	100		Mascot
1743.837	1743.8464	0.0094	5	158	172	SNIDAMFEAYISNLR				Mascot
1759.8319	1759.8414	0.0095	5	158	172	SNIDAMFEAYISNLR	78	100	Oxidation (M)[6]	Mascot
1759.8319	1759.8414	0.0095	5	158	172	SNIDAMFEAYISNLR			Oxidation (M)[6]	Mascot
1846.7913	1846.8007	0.0094	5	310	325	FEEMQSTAGQYGDDL				Mascot
1862.7861	1862.7971	0.011	6	310	325	FEEMQSTAGQYGDDL			Oxidation (M)[4]	Mascot
1899.9381	1899.9476	0.0095	5	158	173	SNIDAMFEAYISNLR				Mascot
2041.0559	2041.0684	0.0125	6	353	371	ANLEAQIAEAEERGELAV K	109	100		Mascot
2041.0559	2041.0684	0.0125	6	353	371	ANLEAQIAEAEERGELAV K				Mascot
2102.1128	2101.9287	-0.1841	-88	232	249	VELEAKVDALQDEINFLR				Mascot
2102.9448	2102.9509	0.0061	3	308	325	QKFEEMQSTAGQYGDDL R				Mascot
2118.9397	2118.957	0.0173	8	308	325	QKFEEMQSTAGQYGDDL R			Oxidation (M)[6]	Mascot

6 Krt5 protein [Danio rerio] gi|39645432 57792.3 5.27 13 446 100 389 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
827.4297	827.4326	0.0029	4	155	161	FASFDK					Mascot	
1079.5116	1079.5172	0.0056	5	318	326	AQYEDIANR					Mascot	
1200.6583	1200.6636	0.0053	4	406	415	IKDLEDALQR					Mascot	
1226.5801	1226.5848	0.0047	4	327	336	SRAEAEESWYK					Mascot	
1248.6252	1248.6893	0.0641	51	203	213	QLDGLGNEKMK			Oxidation (M)[10]		Mascot	
1256.5179	1256.7025	0.1846	147	1	14	MSGGMGGGMGGGIR			Oxidation (M)[1,5]		Mascot	
1277.71	1277.7164	0.0064	5	435	445	LALDIEIATYR	93	100			Mascot	
1277.71	1277.7164	0.0064	5	435	445	LALDIEIATYR					Mascot	
1345.678	1345.6841	0.0061	5	306	317	NLDMDAIVAEVR					Mascot	
1361.673	1361.6798	0.0068	5	306	317	NLDMDAIVAEVR			Oxidation (M)[4]		Mascot	
1362.7013	1362.7037	0.0024	2	176	186	WSLLQEQTTR					Mascot	
1362.7013	1362.7037	0.0024	2	176	186	WSLLQEQTTR	65	99.992			Mascot	
1443.7074	1443.7144	0.007	5	382	394	ANLEAQIAEAEER					Mascot	
1727.8422	1727.851	0.0088	5	187	201	SNIDAMFEAYIANLR					Mascot	
1727.8422	1727.851	0.0088	5	187	201	SNIDAMFEAYIANLR	122	100			Mascot	
1743.837	1743.8464	0.0094	5	187	201	SNIDAMFEAYIANLR	80	100	Oxidation (M)[6]		Mascot	
1743.837	1743.8464	0.0094	5	187	201	SNIDAMFEAYIANLR			Oxidation (M)[6]		Mascot	

	1899.9381	1899.9476	0.0095	5	187	202	SNIDAMFEAYIANLRR					Oxidation (M)[6]		Mascot
	2041.0559	2041.0684	0.0125	6	382	400	ANLEAQIAEAEERGELAV K	109	100					Mascot
	2041.0559	2041.0684	0.0125	6	382	400	ANLEAQIAEAEERGELAV K							Mascot
7	keratin 5 [Danio rerio]				gi 18858425		58550.6	5.34	11	427	100	389	100	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	827.4297	827.4326	0.0029	4	165	171	FASFDK						Mascot
	1079.5116	1079.5172	0.0056	5	328	336	AQYEDIANR						Mascot
	1226.5801	1226.5848	0.0047	4	337	346	SRAEAEESWYK						Mascot
	1248.6252	1248.6893	0.0641	51	213	223	QLDGLGNEKMK				Oxidation (M)[10]		Mascot
	1277.71	1277.7164	0.0064	5	445	455	LALDIEIATYR	93	100				Mascot
	1277.71	1277.7164	0.0064	5	445	455	LALDIEIATYR						Mascot
	1345.678	1345.6841	0.0061	5	316	327	NLDMDAIVAEVR						Mascot
	1361.673	1361.6798	0.0068	5	316	327	NLDMDAIVAEVR				Oxidation (M)[4]		Mascot
	1362.7013	1362.7037	0.0024	2	186	196	WSLLQEQTTR						Mascot
	1362.7013	1362.7037	0.0024	2	186	196	WSLLQEQTTR	65	99.992				Mascot
	1443.7074	1443.7144	0.007	5	392	404	ANLEAQIAEAEER						Mascot
	1727.8422	1727.851	0.0088	5	197	211	SNIDAMFEAYIANLR						Mascot
	1727.8422	1727.851	0.0088	5	197	211	SNIDAMFEAYIANLR	122	100				Mascot
	1743.837	1743.8464	0.0094	5	197	211	SNIDAMFEAYIANLR	80	100		Oxidation (M)[6]		Mascot
	1743.837	1743.8464	0.0094	5	197	211	SNIDAMFEAYIANLR				Oxidation (M)[6]		Mascot
	1899.9381	1899.9476	0.0095	5	197	212	SNIDAMFEAYIANLRR				Oxidation (M)[6]		Mascot
	2041.0559	2041.0684	0.0125	6	392	410	ANLEAQIAEAEERGELAV K	109	100				Mascot
	2041.0559	2041.0684	0.0125	6	392	410	ANLEAQIAEAEERGELAV K						Mascot

8	glial fibrillary acidic protein [Danio rerio]				gi 20977259		42127.4	5.03	7	144	100	125	100	
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1130.5437	1130.6	0.0563	50	102	111	QDVDEAALNR						Mascot
	1159.6793	1159.6343	-0.045	-39	335	344	SIVVRTVETR						Mascot
	1229.6597	1229.6046	-0.0551	-45	81	90	QRLQDETALR						Mascot
	1277.71	1277.7164	0.0064	5	285	295	LALDIEIATYR	93	100				Mascot
	1277.71	1277.7164	0.0064	5	285	295	LALDIEIATYR						Mascot

1308.6543	1308.6627	0.0084	6	187	198	SKFADLTDAANR		Mascot
1377.6857	1377.6768	-0.0089	-6	345	356	DGEIIKESTTER		Mascot
1432.7682	1432.7495	-0.0187	-13	118	129	IEALQDEINFLK		Mascot
1432.7682	1432.7495	-0.0187	-13	118	129	IEALQDEINFLK	31	79.505 Mascot

9	Gfap protein [Danio rerio]	qi 46329793	51087	5.34	7	143	100	125	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1130.5437	1130.6	0.0563	50	185	194 QDVDEAALNR					Mascot
1159.6793	1159.6343	-0.045	-39	418	427 SIVVRTVETR					Mascot
1229.6597	1229.6046	-0.0551	-45	164	173 QRLQDETALR					Mascot
1277.71	1277.7164	0.0064	5	368	378 LALDIEIATYR	93	100			Mascot
1277.71	1277.7164	0.0064	5	368	378 LALDIEIATYR					Mascot
1308.6543	1308.6627	0.0084	6	270	281 SKFADLTDAANR					Mascot
1377.6857	1377.6768	-0.0089	-6	428	439 DGEIIKESTTER					Mascot
1432.7682	1432.7495	-0.0187	-13	201	212 IEALQDEINFLK					Mascot
1432.7682	1432.7495	-0.0187	-13	201	212 IEALQDEINFLK	31	79.505			Mascot

10	glial fibrillary acidic protein [Danio rerio]	gi166393075	51190	5.34	7	142	100	125	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1130.5437	1130.6	0.0563	50	186	195	QDVDEAALNR					Mascot
1159.6793	1159.6343	-0.045	-39	419	428	SIVVRTVETR					Mascot
1229.6597	1229.6046	-0.0551	-45	165	174	QRLQDETALR					Mascot
1277.71	1277.7164	0.0064	5	369	379	LALDIEIATYR	93	100			Mascot
1277.71	1277.7164	0.0064	5	369	379	LALDIEIATYR					Mascot
1308.6543	1308.6627	0.0084	6	271	282	SKFADLTDAANR					Mascot
1377.6857	1377.6768	-0.0089	-6	429	440	DGEIIKESTTER					Mascot
1432.7682	1432.7495	-0.0187	-13	202	213	IEALQDEINFLK					Mascot
1432.7682	1432.7495	-0.0187	-13	202	213	IEALQDEINFLK	31	79.505			Mascot

11	Zgc:158846 [Danio rerio]	qi 158253572	55223	5.44	4	102	100	93	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	827.4297	827.4326	0.0029	4	87	93	FASFDK										Mascot
	1159.6066	1159.6343	0.0277	24	134	143	RQLDSLGNK										Mascot
	1229.5718	1229.6046	0.0328	27	271	280	YEEMQLTATK						Oxidation (M)[4]				Mascot
	1277.71	1277.7164	0.0064	5	367	377	LALDIEIATYR	93	100								Mascot
	1277.71	1277.7164	0.0064	5	367	377	LALDIEIATYR										Mascot
12	glial fibrillary acidic protein [Danio rerio]				gi 239596173		19203.6	4.89	2	101	100	93	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1277.71	1277.7164	0.0064	5	110	120	LALDIEIATYR	93	100			Mascot
1277.71	1277.7164	0.0064	5	110	120	LALDIEIATYR					Mascot
1308.6543	1308.6627	0.0084	6	12	23	SKFADLTDAANR					Mascot

13	novel protein similar to vertebrate keratin family [Danio rerio]				gi 157885973		46874.6	5.23	3	101	100	93	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
931.5206	931.4857	-0.0349	-37	169	176	TKLDGELR					Mascot
1256.5793	1256.7025	0.1232	98	286	295	EEAESWYKSK					Mascot
1277.71	1277.7164	0.0064	5	392	402	LALDIEIATYR	93	100			Mascot
1277.71	1277.7164	0.0064	5	392	402	LALDIEIATYR					Mascot

14	PREDICTED: keratin, type II cytoskeletal 8 [Danio rerio]				gi 125849603		49959.2	5.46	3	100	100	93	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
931.5206	931.4857	-0.0349	-37	147	154	TKLDGELR					Mascot
1256.5793	1256.7025	0.1232	98	264	273	EEAESWYKSK					Mascot
1277.71	1277.7164	0.0064	5	370	380	LALDIEIATYR	93	100			Mascot
1277.71	1277.7164	0.0064	5	370	380	LALDIEIATYR					Mascot

15	keratin type II, tail domain [Danio rerio]				gi 4107170		10583.9	8.29	1	98	100	93	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1277.71	1277.7164	0.0064	5	4	14	LALDIEIATYR	93	100			Mascot

	1277.71	1277.7164	0.0064	5	4	14	LALDIEIATYR	Mascot		
16	novel protein (wu:fj53d02) [Danio rerio]				gijl22891311	95823.2	6.41	16	48	34.178

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
1053.5687	1053.615	0.0463	44	245	254	GDLPPAERAK			Mascot
1063.5782	1063.5461	-0.0321	-30	671	679	GVQYLNEIK			Mascot
1077.5398	1077.5367	-0.0031	-3	432	441	IMGPNFTPGK	Oxidation (M)[2]		Mascot
1159.6205	1159.6343	0.0138	12	322	331	LEVKLD AEDK			Mascot
1248.7133	1248.6893	-0.024	-19	499	509	VMKFSVSPVVR			Mascot
1308.6583	1308.6627	0.0044	3	680	691	DSVVAGFQWATK			Mascot
1317.7524	1317.6975	-0.0549	-42	731	742	VLYASVLT AQPR			Mascot
1317.7524	1317.6975	-0.0549	-42	731	742	VLYASVLT AQPR			Mascot
1377.7848	1377.6768	-0.108	-78	419	431	VFSGIVSTGQKVR			Mascot
1515.6936	1515.7621	0.0685	45	263	275	LWGDKYFDPSCGK			Mascot
1519.7614	1519.6925	-0.0689	-45	227	239	QFAEMYVAKFAAK	Oxidation (M)[5]		Mascot
1759.8875	1759.8414	-0.0461	-26	705	719	FDIHDVTLHADAIHR			Mascot
1759.8875	1759.8414	-0.0461	-26	705	719	FDIHDVTLHADAIHR			Mascot
1847.0248	1846.8007	-0.2241	-121	288	302	LPRTFCQLVLDPIFK	Carbamidomethyl (C)[6]		Mascot
1863.0004	1862.7971	-0.2033	-109	33	50	STLTDSLVC KAGIIASAR	Carbamidomethyl (C)[9]		Mascot
2086.094	2085.9326	-0.1614	-77	702	719	AVRFDIHDVTLHADAIHR			Mascot
2103.0579	2102.9509	-0.107	-51	652	670	IWCFGPDGTGPNILVDITK	Carbamidomethyl (C)[3]		Mascot
2784.5342	2784.3499	-0.1843	-66	345	369	RWLPGADALLQMITHLP SPVTAQR			Mascot

17	novel protein [Danio rerio]	gi 126632590	18984.4	8.81	8	46	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
827.3208	827.4326	0.1118	135	154	160	MGCCEIR			Oxidation (M)[1]		Mascot
882.4944	882.5697	0.0753	85	72	78	LISAHWR					Mascot
1053.4639	1053.615	0.1511	143	152	160	GKMGCCEIR			Carbamidomethyl (C)[5]		Mascot
1248.5453	1248.6893	0.144	115	106	115	TETFPTDYMK			Oxidation (M)[9]		Mascot
1449.7307	1449.7642	0.0335	23	5	16	ISCFVQLNFHNK					Mascot
1449.7307	1449.7642	0.0335	23	5	16	ISCFVQLNFHNK					Mascot
1519.616	1519.6925	0.0765	50	154	166	MGCCEIRYGCSPK			Carbamidomethyl (C)[3], Oxidation (M)[1]		Mascot
2086.0889	2085.9326	-0.1563	-75	31	49	SGFLICFLISLSSEASVQK			Carbamidomethyl (C)[6]		Mascot

	2284.0378	2284.1909	0.1531	67	50	69	TFEGFIGGSALFPCYYDP SR					Carbamidomethyl (C)[14]	Mascot
18	lft81 protein [Danio rerio]					gi 145337899	29908.3	5.76	10	45	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
839.4443	839.4035	-0.0408	-49	233	238	KQCYLK				Carbamidomethyl (C)[3]		Mascot
1045.5636	1045.5657	0.0021	2	14	21	TEEILRER						Mascot
1063.5339	1063.5461	0.0122	11	224	232	DLETLLECK						Mascot
1143.6481	1143.6404	-0.0077	-7	129	137	LEQEVRTLRL						Mascot
1200.5123	1200.6636	0.1513	126	65	74	TLDDMSEMVK				Oxidation (M)[5,8]		Mascot
1248.6504	1248.6893	0.0389	31	224	233	DLETLLECKK				Carbamidomethyl (C)[8]		Mascot
1381.645	1381.6721	0.0271	20	63	74	GRTLDDMSEMVK						Mascot
1727.8018	1727.851	0.0492	28	113	128	AQYETCAAGLESNRSK						Mascot
1727.8018	1727.851	0.0492	28	113	128	AQYETCAAGLESNRSK						Mascot
2225.0879	2225.134	0.0461	21	147	163	YHHINCEREIIESQIQR				Carbamidomethyl (C)[6]		Mascot
2283.1914	2283.1965	0.0051	2	234	254	QCYLKAQSQAPIGHVIQD VGK						Mascot

19	zinc finger CCHC domain-containing protein 4 [Danio rerio]					gi 165972451	55854.5	8.91	14	45	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
915.508	915.4935	-0.0145	-16	186	193	LLCVGTPR				Carbamidomethyl (C)[3]		Mascot
1039.6082	1039.597	-0.0112	-11	194	201	LHEMIKIR						Mascot
1046.5775	1046.5219	-0.0556	-53	73	81	ISEARMLAR						Mascot
1229.5038	1229.6046	0.1008	82	433	443	QTGCFNCGSQK				Carbamidomethyl (C)[4]		Mascot
1248.5248	1248.6893	0.1645	132	51	60	FYACSACRDR				Carbamidomethyl (C)[4]		Mascot
1286.5251	1286.5896	0.0645	50	433	443	QTGCFNCGSQK				Carbamidomethyl (C)[4,7]		Mascot
1308.6035	1308.6627	0.0592	45	78	88	MLAREEQNCSK						Mascot
1362.5421	1362.7037	0.1616	119	384	394	HCPKCDMCPSK				Carbamidomethyl (C)[2,5]		Mascot
1362.5421	1362.7037	0.1616	119	384	394	HCPKCDMCPSK				Carbamidomethyl (C)[2,5]		Mascot
1381.6199	1381.6721	0.0522	38	78	88	MLAREEQNCSK				Carbamidomethyl (C)[9], Oxidation (M)[1]		Mascot
1449.7736	1449.7642	-0.0094	-6	101	112	FLEFASLPLEQR						Mascot
1449.7736	1449.7642	-0.0094	-6	101	112	FLEFASLPLEQR						Mascot
1486.8376	1486.72	-0.1176	-79	346	358	QSPVRLFTNLSPK						Mascot
1515.7114	1515.7621	0.0507	33	249	261	FFQGFLQEEGGEK						Mascot

	1636.8628	1636.8402	-0.0226	-14	25	39	TAPRCPHGPALLFEK						Mascot
	1846.7893	1846.8007	0.0114	6	401	414	HCDECGRCVKPSWR			Carbamidomethyl (C)[2,5,8]			Mascot
	1958.8701	1958.9938	0.1237	63	62	77	DCNFFQWADEKISEAR						Mascot
	2040.8368	2041.0684	0.2316	113	415	432	HCSSCGRCALPDHPCGQ R			Carbamidomethyl (C)[2,5]			Mascot
	2040.8368	2041.0684	0.2316	113	415	432	HCSSCGRCALPDHPCGQ R			Carbamidomethyl (C)[2,5]			Mascot
20	PREDICTED: POZ-, AT hook-, and zinc finger-containing protein 1 [Danio rerio]					gi 125819039	68926.4	7	13	43	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	950.5179	950.4966	-0.0213	-22	563	569	HHHRVHK					Mascot
	1039.4625	1039.597	0.1345	129	428	436	SHLACHEDK					Mascot
	1045.516	1045.5657	0.0497	48	535	543	NIPTTDQEK					Mascot
	1063.5103	1063.5461	0.0358	34	365	372	DRMSYHVR					Mascot
	1079.5051	1079.5172	0.0121	11	365	372	DRMSYHVR			Oxidation (M)[3]		Mascot
	1200.5929	1200.6636	0.0707	59	79	88	ELEMHTISPK			Oxidation (M)[4]		Mascot
	1245.5139	1245.6001	0.0862	69	545	555	FACGECGQAFR			Carbamidomethyl (C)[3]		Mascot
	1270.5667	1270.5956	0.0289	23	413	423	CQICNASFATR			Carbamidomethyl (C)[1]		Mascot
	1308.6477	1308.6627	0.015	11	426	436	LRSHLACHEDK					Mascot
	1317.7083	1317.6975	-0.0108	-8	123	133	SVIEICQEVK			Carbamidomethyl (C)[6]		Mascot
	1317.7083	1317.6975	-0.0108	-8	123	133	SVIEICQEVK			Carbamidomethyl (C)[6]		Mascot
	1743.7689	1743.8464	0.0775	44	457	471	KHSEGPHNYCGICNK			Carbamidomethyl (C)[10]		Mascot
	1743.7689	1743.8464	0.0775	44	457	471	KHSEGPHNYCGICNK			Carbamidomethyl (C)[10]		Mascot
	2086.0535	2085.9326	-0.1209	-58	106	122	LECFPELMTAAKFLLMR			Carbamidomethyl (C)[3], Oxidation (M)[8]		Mascot
	2102.0483	2101.9287	-0.1196	-57	106	122	LECFPELMTAAKFLLMR			Carbamidomethyl (C)[3], Oxidation (M)[8,16]		Mascot
	2102.9778	2102.9509	-0.0269	-13	2	18	ERTEQPWNSSYTYQVSK					Mascot
	2798.1919	2798.3623	0.1704	61	54	78	AVLAACSEYFESVFSCQT EDDGQGK			Carbamidomethyl (C)[6,16]		Mascot

21	PREDICTED: zinc finger protein 420 isoform 2 [Danio rerio]					gi 326678086	70371	9.08	16	42	0	
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	842.5206	842.5137	-0.0069	-8	25	31	QRQGLLK					Mascot
	950.3706	950.4966	0.126	133	36	43	MSDPEPCR			Oxidation (M)[1]		Mascot
	1045.536	1045.5657	0.0297	28	134	141	FHCARNLK			Carbamidomethyl (C)[3]		Mascot

	1046.52	1046.5219	0.0019	2	110	117	YNLNVHMR											Mascot
	1200.5387	1200.6636	0.1249	104	178	188	EKPYSVCSVCGK											Mascot
	1245.6924	1245.6001	-0.0923	-74	338	347	RHQIHTAVR											Mascot
	1248.5712	1248.6893	0.1181	95	36	45	MSDPEPCRIK						Carbamidomethyl (C)[7], Oxidation (M)[1]					Mascot
	1270.5667	1270.5956	0.0289	23	575	584	CDQCGKSFLR						Carbamidomethyl (C)[1,4]					Mascot
	1636.7094	1636.8402	0.1308	80	96	109	DFTCTQCQKSFQK						Carbamidomethyl (C)[4]					Mascot
	1727.8381	1727.851	0.0129	7	556	571	VSSSLNSHMLTHTGEK											Mascot
	1727.8381	1727.851	0.0129	7	556	571	VSSSLNSHMLTHTGEK											Mascot
	1743.833	1743.8464	0.0134	8	556	571	VSSSLNSHMLTHTGEK						Oxidation (M)[9]					Mascot
	1743.9144	1743.8464	-0.068	-39	295	309	CGHCGKTFLRPAVLK						Carbamidomethyl (C)[1,4]					Mascot
	1759.9412	1759.8414	-0.0998	-57	81	95	IKIDHNFLMETTAVK											Mascot
	1759.9412	1759.8414	-0.0998	-57	81	95	IKIDHNFLMETTAVK											Mascot
	2102.0085	2101.9287	-0.0798	-38	488	505	EFVCFECEKTFITAGHLK											Mascot
	2118.9958	2118.957	-0.0388	-18	538	555	VHTGEKPFACHTCGKSF R						Carbamidomethyl (C)[10,13]					Mascot
	2211.0798	2211.1204	0.0406	18	450	468	IHLRVHTNEKPYSCPECG K											Mascot
	2283.0579	2283.1965	0.1386	61	227	245	HQMIHTGEKPYKSHCD LR											Mascot
22	Si:ch211-20b12.1 [Danio rerio]				gi 67678177		55996.8	8.09	5	41	0	35	91.377					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
827.4522	827.4326	-0.0196	-24	393	399	SPIAFHR					Mascot
931.5095	931.4857	-0.0238	-26	88	96	IDTAPSLSK					Mascot
937.4989	937.4602	-0.0387	-41	304	311	ADTDIFKK					Mascot
1229.5541	1229.6046	0.0505	41	244	253	TEDMALMQYK					Mascot
1245.549	1245.6001	0.0511	41	244	253	TEDMALMQYK			Oxidation (M)[4]		Mascot
1277.6307	1277.7164	0.0857	67	436	445	CHDIIISTYR	35	91.377	Carbamidomethyl (C)[1]		Mascot
1277.6307	1277.7164	0.0857	67	436	445	CHDIIISTYR			Carbamidomethyl (C)[1]		Mascot

23 Zgc:153569 protein [Danio rerio] gi|171846383 59551.2 7.18 13 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
931.5319	931.4857	-0.0462	-50	318	325	NALTTRQK					Mascot
1077.5358	1077.5367	0.0009	1	86	94	DDVTRLCAK			Carbamidomethyl (C)[7]		Mascot
1143.5874	1143.6404	0.053	46	425	433	GRTLHCLMR			Carbamidomethyl (C)[6]		Mascot
1159.5823	1159.6343	0.052	45	425	433	GRTLHCLMR			Carbamidomethyl (C)[6], Oxidation (M)[8]		Mascot

	1229.5289	1229.6046	0.0757	62	308	317	FEEAMSEKCR										Mascot
	1245.5238	1245.6001	0.0763	61	308	317	FEEAMSEKCR						Oxidation (M)[5]				Mascot
	1256.6715	1256.7025	0.031	25	427	436	TLHCLMRVAR						Carbamidomethyl (C)[4]				Mascot
	1286.5504	1286.5896	0.0392	30	308	317	FEEAMSEKCR						Carbamidomethyl (C)[9]				Mascot
	1308.6113	1308.6627	0.0514	39	412	423	GEIEAHCSGLHR										Mascot
	1535.7457	1535.6902	-0.0555	-36	161	173	GKGYLMSCLVDHR						Carbamidomethyl (C)[8]				Mascot
	1636.7668	1636.8402	0.0734	45	470	484	ALNEACESVIQTACK						Carbamidomethyl (C)[6]				Mascot
	1743.7789	1743.8464	0.0675	39	380	394	TVSGDCQAEMLDYRR	3		0							Mascot
	1743.7789	1743.8464	0.0675	39	380	394	TVSGDCQAEMLDYRR										Mascot
	1759.7738	1759.8414	0.0676	38	380	394	TVSGDCQAEMLDYRR	4		0		Oxidation (M)[10]					Mascot
	1759.7738	1759.8414	0.0676	38	380	394	TVSGDCQAEMLDYRR					Oxidation (M)[10]					Mascot
	1830.0054	1829.8363	-0.1691	-92	364	379	LSYLLLCLESAVHRGR										Mascot
	1899.9442	1899.9476	0.0034	2	137	153	FESVALEVCTSTMLELK										Mascot
	2086.0386	2085.9326	-0.106	-51	95	111	HTWTNNLSVLECLQDKK						Carbamidomethyl (C)[12]				Mascot
	2798.4202	2798.3623	-0.0579	-21	129	153	LNLTTDPKFESVALEVCTSTMLELK						Oxidation (M)[21]				Mascot
24	epoxide hydrolase 2 [Danio rerio]				gi 56693357		61852.6	6.11	11	39	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
931.493	931.4857	-0.0073	-8	475	481	WMVSRPR					Mascot
1130.6251	1130.6	-0.0251	-22	475	483	WMVSRPRAK					Mascot
1286.7136	1286.5896	-0.124	-96	190	202	AAEGLGIMAVQVK					Mascot
1443.8425	1443.7144	-0.1281	-89	482	495	AKILMPALMVTAGK					Mascot
1486.7246	1486.72	-0.0046	-3	403	416	LMFISSSDTGGFPK					Mascot
1696.8727	1696.8417	-0.031	-18	97	111	VEFNMTFLDAAAVLR					Mascot
1759.8584	1759.8414	-0.017	-10	151	165	SCHAGVRIPEPDFFK			Carbamidomethyl (C)[2]		Mascot
1759.8584	1759.8414	-0.017	-10	151	165	SCHAGVRIPEPDFFK			Carbamidomethyl (C)[2]		Mascot
1862.9357	1862.7971	-0.1386	-74	400	416	TFKLMFISSSDTGGFPK					Mascot
2086.001	2085.9326	-0.0684	-33	214	232	LTGIEVTSDLQPPSCDPEK			Carbamidomethyl (C)[15]		Mascot
2225.113	2225.134	0.021	9	417	438	LSPAGVCQRGGLFVGSPDDPPR					Mascot
2284.2004	2284.1909	-0.0095	-4	496	516	DPVLLPAFATGMENLIPNLSR			Oxidation (M)[12]		Mascot

25 Osbp1a protein [Danio rerio] gi|190338207 110421.6 5.77 14 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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			Seq.		Seq.		Score				
	937.4481	937.4602	0.0121	13	572	579	CIGMELSK		Carbamidomethyl (C)[1]	Mascot	
	1046.4612	1046.5219	0.0607	58	298	305	DNCYFTVK		Carbamidomethyl (C)[3]	Mascot	
	1200.579	1200.6636	0.0846	70	370	379	AESCHQRLEK			Mascot	
	1245.5933	1245.6001	0.0068	5	296	305	AKDNCYFTVK		Carbamidomethyl (C)[5]	Mascot	
	1277.6525	1277.7164	0.0639	50	695	705	FWGKSVEAEPK			Mascot	
	1277.6525	1277.7164	0.0639	50	695	705	FWGKSVEAEPK			Mascot	
	1308.6735	1308.6627	-0.0108	-8	682	692	NFVFHGSYIPK			Mascot	
	1443.7842	1443.7144	-0.0698	-48	768	779	ELHKVEGYILDK			Mascot	
	1486.7003	1486.72	0.0197	13	755	767	CCLNFKPCGLFGK		Carbamidomethyl (C)[1]	Mascot	
	1535.7046	1535.6902	-0.0144	-9	1	12	MEELDPEEQFLR			Mascot	
	1829.9183	1829.8363	-0.082	-45	282	297	QGCKPLTQAHCMIAK		Carbamidomethyl (C)[3], Oxidation (M)[12]	Mascot	
	1958.9285	1958.9938	0.0653	33	751	767	TGEKCCLNFKPCGLFGK		Carbamidomethyl (C)[5,6]	Mascot	
	2086.1138	2085.9326	-0.1812	-87	142	160	LEEQLLEAAREGAVSTLT R			Mascot	
	2211.0664	2211.1204	0.054	24	44	62	SKSNHGWTPHLACYFG HR			Mascot	
	2798.429	2798.3623	-0.0667	-24	572	595	CIGMELSKITMPVIFNEPL SFLQR		Oxidation (M)[4,11]	Mascot	
26	hypothetical protein LOC751680 [Danio rerio]				gi 113679132		59375.2	7.18	13	39	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
931.5319	931.4857	-0.0462	-50	316	323	NALTTRQK				Mascot
1077.5358	1077.5367	0.0009	1	84	92	DDVTRLCAK		Carbamidomethyl (C)[7]		Mascot
1143.5874	1143.6404	0.053	46	423	431	GRTLHCLMR		Carbamidomethyl (C)[6]		Mascot
1159.5823	1159.6343	0.052	45	423	431	GRTLHCLMR		Carbamidomethyl (C)[6], Oxidation (M)[8]		Mascot
1229.5289	1229.6046	0.0757	62	306	315	FEEAMSEKCR				Mascot
1245.5238	1245.6001	0.0763	61	306	315	FEEAMSEKCR		Oxidation (M)[5]		Mascot
1256.6715	1256.7025	0.031	25	425	434	TLHCLMRVAR		Carbamidomethyl (C)[4]		Mascot
1286.5504	1286.5896	0.0392	30	306	315	FEEAMSEKCR		Carbamidomethyl (C)[9]		Mascot
1308.6113	1308.6627	0.0514	39	410	421	GEIEAHCSSLHR				Mascot
1535.7457	1535.6902	-0.0555	-36	159	171	GKGYLMSCLVDHR		Carbamidomethyl (C)[8]		Mascot
1636.7668	1636.8402	0.0734	45	468	482	ALNEACESVIQTACK		Carbamidomethyl (C)[6]		Mascot
1743.7789	1743.8464	0.0675	39	378	392	TVSGDCQAEMLDYRR	3	0		Mascot
1743.7789	1743.8464	0.0675	39	378	392	TVSGDCQAEMLDYRR				Mascot
1759.7738	1759.8414	0.0676	38	378	392	TVSGDCQAEMLDYRR	4	0	Oxidation (M)[10]	Mascot
1759.7738	1759.8414	0.0676	38	378	392	TVSGDCQAEMLDYRR			Oxidation (M)[10]	Mascot

	1830.0054	1829.8363	-0.1691	-92	362	377	LSYLLLCLESAVHRGR										Mascot
	1899.9442	1899.9476	0.0034	2	135	151	FESVALEVCTSTMLELK										Mascot
	2086.0386	2085.9326	-0.106	-51	93	109	HTWTNNLSVLECLQDKK					Carbamidomethyl (C)[12]					Mascot
	2798.4202	2798.3623	-0.0579	-21	127	151	LNLTTDPKFESVALEVCTSTMLELK					Oxidation (M)[21]					Mascot
27	splicing factor, arginine/serine-rich 3 [Danio rerio]				gi 148726274		14283.2	10.12	7	38	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	827.4482	827.4326	-0.0156	-19	107	113	SSPPQRR					Mascot
	1130.6163	1130.6	-0.0163	-14	75	84	VRVELSNGEK					Mascot
	1143.5034	1143.6404	0.137	120	2	10	HRDCPLDCK			Carbamidomethyl (C)[4]		Mascot
	1200.5248	1200.6636	0.1388	116	2	10	HRDCPLDCK			Carbamidomethyl (C)[4,8]		Mascot
	1245.7235	1245.6001	-0.1234	-99	114	124	RVTTMPLLTTL					Mascot
	1248.6331	1248.6893	0.0562	45	11	22	VYVGNLGNNGNK					Mascot
	1317.6393	1317.6975	0.0582	44	57	68	DATDAVRELDGR					Mascot
	1317.6393	1317.6975	0.0582	44	57	68	DATDAVRELDGR					Mascot
	1862.9354	1862.7971	-0.1383	-74	11	27	VYVGNLGNNGNKSELER					Mascot

28	PREDICTED: tubulin beta-2 chain-like [Danio rerio]				gi 326664656		46950.6	4.83	9	38	0						
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1053.6091	1053.615	0.0059	6	277	285	YLTVAIFR					Mascot
	1077.5323	1077.5367	0.0044	4	122	129	IREEYPDR					Mascot
	1130.5953	1130.6	0.0047	4	209	218	FPGQLNADLR					Mascot
	1143.6343	1143.6404	0.0061	5	220	229	LAVNMVPFPR					Mascot
	1159.6292	1159.6343	0.0051	4	220	229	LAVNMVPFPR			Oxidation (M)[5]		Mascot
	1229.5983	1229.6046	0.0063	5	348	357	ISEQFTAMFR					Mascot
	1245.5933	1245.6001	0.0068	5	348	357	ISEQFTAMFR			Oxidation (M)[8]		Mascot
	1636.8304	1636.8402	0.0098	6	230	243	LHFFMPGFAPLTSR			Oxidation (M)[5]		Mascot
	1696.8329	1696.8417	0.0088	5	304	317	NSSYFVEWIPNNVK					Mascot
	1958.9817	1958.9938	0.0121	6	71	88	GHYTEGAELVDSVLDVVR					Mascot
	2798.3433	2798.3623	0.019	7	45	70	SGPFGQIFRPDNFVFGQSGAGNNWAK					Mascot

29	PREDICTED: zinc finger protein 135-like [Danio rerio]				gi 326667222		36676.8	9.61	10	38	0						
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Peptide Information													
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type		
1046.5153	1046.5219	0.0066	6	220	228	SFSQSSYLK					Mascot		
1053.5142	1053.615	0.1008	96	1	9	MLMTDCVLK					Mascot		
1063.6259	1063.5461	-0.0798	-75	276	284	RFTQLGTLK					Mascot		
1143.5099	1143.6404	0.1305	114	164	173	SFNCSSSLNK			Carbamidomethyl (C)[4]		Mascot		
1226.5657	1226.5848	0.0191	16	210	219	KPFTCTQCGK			Carbamidomethyl (C)[5,8]		Mascot		
1229.5177	1229.6046	0.0869	71	239	247	EYVCLECEK			Carbamidomethyl (C)[4,7]		Mascot		
1308.6837	1308.6627	-0.021	-16	1	11	MLMTDCVLKVR					Mascot		
1381.7001	1381.6721	-0.028	-20	1	11	MLMTDCVLKVR			Carbamidomethyl (C)[6], Oxidation (M)[1]		Mascot		
1759.8254	1759.8414	0.016	9	121	135	IHTGEKPFTCPQCGK			Carbamidomethyl (C)[10,13]		Mascot		
1759.8254	1759.8414	0.016	9	121	135	IHTGEKPFTCPQCGK			Carbamidomethyl (C)[10,13]		Mascot		
2017.976	2018.1779	0.2019	100	192	209	SFSQSSSLNQHIMIHTGK			Oxidation (M)[13]		Mascot		
2017.976	2018.1779	0.2019	100	192	209	SFSQSSSLNQHIMIHTGK			Oxidation (M)[13]		Mascot		
2102.9932	2102.9509	-0.0423	-20	62	79	HMKIHTGEKPFTCTQCGK			Carbamidomethyl (C)[13]		Mascot		
2118.988	2118.957	-0.031	-15	62	79	HMKIHTGEKPFTCTQCGK			Carbamidomethyl (C)[13], Oxidation (M)[2]		Mascot		
30	Zgc:161969 protein [Danio rerio]			gi 115527819			79975.3	6.86	12	37	0		

Peptide Information													
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type		
1063.524	1063.5461	0.0221	21	643	651	CLNEFPGVK			Carbamidomethyl (C)[1]		Mascot		
1256.6844	1256.7025	0.0181	14	391	403	DLAEAVTKGPAGK					Mascot		
1277.6783	1277.7164	0.0381	30	224	234	RVMSPNFVTR					Mascot		
1277.6783	1277.7164	0.0381	30	224	234	RVMSPNFVTR					Mascot		
1345.6967	1345.6841	-0.0126	-9	16	27	NITVQC�LCLPK					Mascot		
1362.7086	1362.7037	-0.0049	-4	640	651	DLKCLNEFPGVK					Mascot		
1362.7086	1362.7037	-0.0049	-4	640	651	DLKCLNEFPGVK					Mascot		
1381.639	1381.6721	0.0331	24	111	122	SGNTSNMQHHLR					Mascot		
1432.6572	1432.7495	0.0923	64	44	54	HLECHSPHLMR			Carbamidomethyl (C)[4], Oxidation (M)[10]		Mascot		
1432.6572	1432.7495	0.0923	64	44	54	HLECHSPHLMR			Carbamidomethyl (C)[4], Oxidation (M)[10]		Mascot		
1519.7386	1519.6925	-0.0461	-30	307	319	IQETHSSFNIESK					Mascot		
1636.8217	1636.8402	0.0185	11	625	638	EAAEEVWLYLQGTK					Mascot		
1744.0553	1743.8464	-0.2089	-120	506	520	CFLGIVIPTLLTLKR			Carbamidomethyl (C)[1]		Mascot		
1744.0553	1743.8464	-0.2089	-120	506	520	CFLGIVIPTLLTLKR			Carbamidomethyl (C)[1]		Mascot		

		1899.8496	1899.9476	0.098	52	419	436	AESSMETAVAMESIANM K						Mascot
		2283.1472	2283.1965	0.0493	22	286	306	SAALACTRIPSNYTCETII AK			Carbamidomethyl (C)[6]			Mascot
31	hydrocephalus inducing [Danio rerio]					gj 319996627	534681.1	5.75	29	37	0	12	0	

	2085.9668	2085.9326	-0.0342	-16	2479	2495	CYQLHCKGICTYPSISR					Carbamidomethyl (C)[1,6]	Mascot
	2103.0466	2102.9509	-0.0957	-46	2517	2534	TYVIQSDLYEFGPLLCGK					Carbamidomethyl (C)[16]	Mascot
	2146.0889	2146.0376	-0.0513	-24	3506	3523	GTVKLEYSWQILMETYG K						Mascot
	2784.377	2784.3499	-0.0271	-10	3960	3985	IKNGPIFCCALMGSAVAP DLEFSSLK					Carbamidomethyl (C)[8], Oxidation (M)[12]	Mascot
	2798.3289	2798.3623	0.0334	12	3608	3630	DNQSPEFTVHGRCLLPY CHFHLK					Carbamidomethyl (C)[13]	Mascot
32	PREDICTED: tubulin beta chain isoform 1 [Danio rerio]					gi 326666192	49614.9	4.81	9	37	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1039.5935	1039.597	0.0035	3	310	318	YLTVAAVFR					Mascot
	1077.5323	1077.5367	0.0044	4	155	162	IREEYPDR					Mascot
	1130.5953	1130.6	0.0047	4	242	251	FPGQLNADLR					Mascot
	1143.6343	1143.6404	0.0061	5	253	262	LAVNMVPFPR					Mascot
	1159.6292	1159.6343	0.0051	4	253	262	LAVNMVPFPR			Oxidation (M)[5]		Mascot
	1229.5983	1229.6046	0.0063	5	381	390	ISEQFTAMFR					Mascot
	1245.5933	1245.6001	0.0068	5	381	390	ISEQFTAMFR			Oxidation (M)[8]		Mascot
	1636.8304	1636.8402	0.0098	6	263	276	LHFFMPGFAPLTSR			Oxidation (M)[5]		Mascot
	1696.8329	1696.8417	0.0088	5	337	350	NSSYFVEWIPNNVK					Mascot
	1958.9817	1958.9938	0.0121	6	104	121	GHYTEGAELVDSVLDVV R					Mascot
	2798.3433	2798.3623	0.019	7	78	103	SGPFGQIFRPDNFVFGQ SGAGNNWAK					Mascot

33 tubulin, beta, 2 [Danio rerio] gi|37681963 49754 4.85 9 37 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1039.5935	1039.597	0.0035	3	310	318	YLTVAAVFR					Mascot
	1077.5323	1077.5367	0.0044	4	155	162	IREEYPDR					Mascot
	1130.5953	1130.6	0.0047	4	242	251	FPGQLNADLR					Mascot
	1143.6343	1143.6404	0.0061	5	253	262	LAVNMVPFPR					Mascot
	1159.6292	1159.6343	0.0051	4	253	262	LAVNMVPFPR			Oxidation (M)[5]		Mascot
	1229.5983	1229.6046	0.0063	5	381	390	ISEQFTAMFR					Mascot
	1245.5933	1245.6001	0.0068	5	381	390	ISEQFTAMFR			Oxidation (M)[8]		Mascot
	1636.8304	1636.8402	0.0098	6	263	276	LHFFMPGFAPLTSR			Oxidation (M)[5]		Mascot
	1696.8329	1696.8417	0.0088	5	337	350	NSSYFVEWIPNNVK					Mascot
	1958.9817	1958.9938	0.0121	6	104	121	GHYTEGAELVDSVLDVV R					Mascot

	2798.3433	2798.3623	0.019	7	78	103	SGPFGQIFRPDNFVFGQ SGAGNNWAK						Mascot
34	tubulin, beta 2B [Danio rerio]				gi 47087299	49769	4.79	9	37	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1039.5935	1039.597	0.0035	3	310	318	YLTVAAVFR					Mascot
1077.5323	1077.5367	0.0044	4	155	162	IREEYPDR					Mascot
1130.5953	1130.6	0.0047	4	242	251	FPGQLNADLR					Mascot
1143.6343	1143.6404	0.0061	5	253	262	LAVNMVPFPR					Mascot
1159.6292	1159.6343	0.0051	4	253	262	LAVNMVPFPR			Oxidation (M)[5]		Mascot
1229.5983	1229.6046	0.0063	5	381	390	ISEQFTAMFR					Mascot
1245.5933	1245.6001	0.0068	5	381	390	ISEQFTAMFR			Oxidation (M)[8]		Mascot
1636.8304	1636.8402	0.0098	6	263	276	LHFFMPGFAPLTSR			Oxidation (M)[5]		Mascot
1696.8329	1696.8417	0.0088	5	337	350	NSSYFVEWIPNNVK					Mascot
1958.9817	1958.9938	0.0121	6	104	121	GHYTEGAELVDSVLDVV R					Mascot
2784.3276	2784.3499	0.0223	8	78	103	SGPFGQVFRPDNFVFGQ SGAGNNWAK					Mascot

35	hypothetical protein LOC641565 [Danio rerio]				gi 83025072	50237.2	4.8	9	37	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1053.6091	1053.615	0.0059	6	310	318	YLTVAIFR					Mascot
1077.5323	1077.5367	0.0044	4	155	162	IREEYPDR					Mascot
1130.5953	1130.6	0.0047	4	242	251	FPGQLNADLR					Mascot
1143.6343	1143.6404	0.0061	5	253	262	LAVNMVPFPR					Mascot
1159.6292	1159.6343	0.0051	4	253	262	LAVNMVPFPR			Oxidation (M)[5]		Mascot
1229.5983	1229.6046	0.0063	5	381	390	ISEQFTAMFR					Mascot
1245.5933	1245.6001	0.0068	5	381	390	ISEQFTAMFR			Oxidation (M)[8]		Mascot
1345.6271	1345.6841	0.057	42	47	58	IDVYYNEASSGK					Mascot
1696.8329	1696.8417	0.0088	5	337	350	NSSYFVEWIPNNVK					Mascot
1958.9817	1958.9938	0.0121	6	104	121	GHYTEGAELVDSVLDVV R					Mascot
2798.3103	2798.3623	0.052	19	78	103	SGPMGQIFRPDNFVFGQ SGAGNNWAK			Oxidation (M)[4]		Mascot

36	PREDICTED: elongation factor 2 [Danio rerio]				gi 326667940	100398.6	6.99	16	37	0		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
	1053.5687	1053.615	0.0463	44	285	294 GDLPPAERAK				Mascot
	1063.5782	1063.5461	-0.0321	-30	711	719 GVQYLNEIK				Mascot
	1077.5398	1077.5367	-0.0031	-3	472	481 IMGPNFTPGK		Oxidation (M)[2]		Mascot
	1159.6205	1159.6343	0.0138	12	362	371 LEVKLDAEDK				Mascot
	1248.7133	1248.6893	-0.024	-19	539	549 VMKFVSVPVVR				Mascot
	1308.6583	1308.6627	0.0044	3	720	731 DSVVAGFQWATK				Mascot
	1317.7524	1317.6975	-0.0549	-42	771	782 VLYASVLTAQPR				Mascot
	1317.7524	1317.6975	-0.0549	-42	771	782 VLYASVLTAQPR				Mascot
	1377.7848	1377.6768	-0.108	-78	459	471 VFSGIVSTGQKVR				Mascot
	1515.6936	1515.7621	0.0685	45	303	315 LWGDKYFDPSCGK				Mascot
	1519.7614	1519.6925	-0.0689	-45	267	279 QFAEMYVAKFAAK		Oxidation (M)[5]		Mascot
	1759.8875	1759.8414	-0.0461	-26	745	759 FDIHDVTLHADAIHR				Mascot
	1759.8875	1759.8414	-0.0461	-26	745	759 FDIHDVTLHADAIHR				Mascot
	1847.0248	1846.8007	-0.2241	-121	328	342 LPRTFCQLVLDPIFK		Carbamidomethyl (C)[6]		Mascot
	1863.0004	1862.7971	-0.2033	-109	73	90 STLTDSLVCAGIIASAR		Carbamidomethyl (C)[9]		Mascot
	2086.094	2085.9326	-0.1614	-77	742	759 AVRFDIHDVTLHADAIHR				Mascot
	2103.0579	2102.9509	-0.107	-51	692	710 IWCFCGPDGTGNILVDITK		Carbamidomethyl (C)[3]		Mascot
	2784.5342	2784.3499	-0.1843	-66	385	409 RWLPAGDALLQMITHLP SPVTAQR				Mascot
37	alpha-dystrobrevin splice variant 1 [Danio rerio]				gi 95108258	80399.1	6.59	12	37	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
	931.4843	931.4857	0.0014	2	516	522 KEELEQR				Mascot
	937.4697	937.4602	-0.0095	-10	663	672 SSSRSGAASK				Mascot
	1053.4742	1053.615	0.1408	134	8	16 NSSTMADRR		Oxidation (M)[5]		Mascot
	1077.547	1077.5367	-0.0103	-10	523	531 MSALQESRR				Mascot
	1226.5874	1226.5848	-0.0026	-2	288	297 EYMSWKSPAK				Mascot
	1270.7114	1270.5956	-0.1158	-91	474	483 NKEILQEIQR				Mascot
	1449.7804	1449.7642	-0.0162	-11	134	147 MALATLCGGKILDK		Oxidation (M)[1]		Mascot
	1449.7804	1449.7642	-0.0162	-11	134	147 MALATLCGGKILDK		Oxidation (M)[1]		Mascot
	1829.9321	1829.8363	-0.0958	-52	127	143 ISAFVMKMALATLCGGK		Carbamidomethyl (C)[14], Oxidation (M)[6,8]		Mascot
	2017.9865	2018.1779	0.1914	95	673	689 LEPGDFYGHEDLEKQLK				Mascot
	2017.9865	2018.1779	0.1914	95	673	689 LEPGDFYGHEDLEKQLK				Mascot

	2041.0687	2041.0684	-0.0003	0	48	63	CNLHLVDIWNIIIVFR		Carbamidomethyl (C)[1]	Mascot	
	2041.0687	2041.0684	-0.0003	0	48	63	CNLHLVDIWNIIIVFR		Carbamidomethyl (C)[1]	Mascot	
	2284.0549	2284.1909	0.136	60	306	326	SLSCAASREPAYPQFSD TPEK			Mascot	
	2798.3494	2798.3623	0.0129	5	150	172	YIFSQISDPNGLMIYSQFD QFLR		Oxidation (M)[13]	Mascot	
38	tubulin, beta, 2 [Danio rerio]				gi 82658236		49684.9	4.81	9	36	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1053.6091	1053.615	0.0059	6	310	318	YLTVAIFR					Mascot
1077.5323	1077.5367	0.0044	4	155	162	IREEYPDR					Mascot
1130.5953	1130.6	0.0047	4	242	251	FPGQLNADLR					Mascot
1143.6343	1143.6404	0.0061	5	253	262	LAVNMVPFPR					Mascot
1159.6292	1159.6343	0.0051	4	253	262	LAVNMVPFPR			Oxidation (M)[5]		Mascot
1636.8304	1636.8402	0.0098	6	263	276	LHFFMPGFAPLTSR			Oxidation (M)[5]		Mascot
1696.8329	1696.8417	0.0088	5	337	350	NSSYFVEWIPNNVK					Mascot
1829.918	1829.8363	-0.0817	-45	47	62	INVYYNEASGGKYVPR					Mascot
1958.9817	1958.9938	0.0121	6	104	121	GHYTEGAELVDSVLDVV R					Mascot
2784.3276	2784.3499	0.0223	8	78	103	SGPFGQVFRPDNFVFGQ SGAGNNWAK					Mascot

39	tubulin, beta 2 [Danio rerio]				gi 66773102		50534.3	4.76	9	36	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1053.6091	1053.615	0.0059	6	310	318	YLTVAIFR					Mascot
1077.5323	1077.5367	0.0044	4	155	162	IREEYPDR					Mascot
1130.5953	1130.6	0.0047	4	242	251	FPGQLNADLR					Mascot
1143.6343	1143.6404	0.0061	5	253	262	LAVNMVPFPR					Mascot
1159.6292	1159.6343	0.0051	4	253	262	LAVNMVPFPR			Oxidation (M)[5]		Mascot
1229.5983	1229.6046	0.0063	5	381	390	ISEQFTAMFR					Mascot
1245.5933	1245.6001	0.0068	5	381	390	ISEQFTAMFR			Oxidation (M)[8]		Mascot
1636.8304	1636.8402	0.0098	6	263	276	LHFFMPGFAPLTSR			Oxidation (M)[5]		Mascot
1696.8329	1696.8417	0.0088	5	337	350	NSSYFVEWIPNNVK					Mascot
1958.9817	1958.9938	0.0121	6	104	121	GHYTEGAELVDSVLDVV R					Mascot
2798.3433	2798.3623	0.019	7	78	103	SGPFGQIFRPDNFVFGQ SGAGNNWAK					Mascot

40	BCL2/adenovirus E1B 19 kDa protein-interacting				gi 59276024		20264.1	6.67	6	36	0
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protein 3 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
937.4883	937.4602	-0.0281	-30	142	149	RSSTLSMR					Mascot
1039.6047	1039.597	-0.0077	-7	134	141	EFLLRHPK					Mascot
1256.6052	1256.7025	0.0973	77	50	60	MLLDAQHESGR					Mascot
1449.675	1449.7642	0.0892	62	61	74	SSSRGSLPCDSPTR					Mascot
1449.675	1449.7642	0.0892	62	61	74	SSSRGSLPCDSPTR					Mascot
2211.0618	2211.1204	0.0586	27	116	133	NADWIWDWSSRPENLPP K					Mascot
2784.6062	2784.3499	-0.2563	-92	157	183	GGIFSAEFLKVFLPSLVLS HILAVGLG					Mascot

41 PREDICTED: insulin receptor substrate 1-B-like [Danio rerio] gi|326674337 118937.4 8.49 1 26 27.948

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1727.9473	1727.851	-0.0963	-56	179	194	LNSDAAAVVLQLMNIR	18	0		3	Mascot
1743.9421	1743.8464	-0.0957	-55	179	194	LNSDAAAVVLQLMNIR	26	27.948	Oxidation (M)[13]	3	Mascot

42 PREDICTED: dynein heavy chain 3, axonemal [Danio rerio] gi|326679902 436827.7 5.36 1 23 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1743.8622	1743.8464	-0.0158	-9	3580	3593	YPLLYEESMNTVLR	23	0	Oxidation (M)[9]	4	Mascot

43 PREDICTED: vitamin K-dependent protein C [Danio rerio] gi|292610484 47922.1 6.13 1 21 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1449.6573	1449.7642	0.1069	74	165	177	CTPKNDASCGQIR	21	0	Carbamidomethyl (C)[9]	2	Mascot

44 junctophilin-2 [Danio rerio] gi|148238064 84360.5 9.08 1 18 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	1727.8898	1727.851	-0.0388	-22	145	160	QSVPYGMAAVVHSPLR	18	0	Oxidation (M)[7]	2	Mascot
45	PREDICTED: serine/threonine-protein kinase D1 [Danio rerio] gi 125842293 98792.8 6.29 1 18 0											
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1759.9225	1759.8414	-0.0811	-46	30	45	EPVLLDSGEFSLAQVR	18	0		2	Mascot
46	PREDICTED: transient receptor potential cation channel subfamily M member 4-like [Danio rerio] gi 326666046 137203.1 6.89 1 17 0											
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1432.7828	1432.7495	-0.0333	-23	1141	1152	VDSVLKQMVEIR	17	0	Oxidation (M)[8]	3	Mascot
47	PREDICTED: PH and SEC7 domain-containing protein 4-like [Danio rerio] gi 326668322 90694.7 4.54 1 16 0											
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1759.828	1759.8414	0.0134	8	504	518	SLMPETDREQDGPLR	16	0	Oxidation (M)[3]	3	Mascot
48	cell adhesion molecule 1a isoform 2 [Danio rerio] gi 158538876 48182.2 4.82 1 16 0											
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1362.6859	1362.7037	0.0178	13	107	119	VLSNVLSLDEGR	16	0		2	Mascot
49	PREDICTED: neurabin-1-like [Danio rerio] gi 326670455 143069.6 4.9 1 16 0											
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1362.614	1362.7037	0.0897	66	371	383	EQCLDPAGAGMVR	16	0	Oxidation (M)[11]	3	Mascot
50	calcium-binding protein 1 [Danio rerio] gi 50539888 19114.3 4.69 1 15 0											
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type

1432.67371432.74950.0758531828ELRPEEMDELR150Oxidation (M)[7]4Mascot										
Gel Idx/Pos203/I3		Instr./Gel OriginBA2060/110707A				Process Status		Analysis Succeeded		
Plate [#] Name[1] 31496		Instrument Sample Name				Spectra		11		
Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %	
1	type I cytokeratin, enveloping layer [Danio rerio]	gi 18858519	46655.7	5.13	25	659	100	424	100	
Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
	803.4369	803.4349	-0.002	-2	17	25 LSVGGGASR				Mascot
	807.3995	807.3972	-0.0023	-3	162	168 LAADDFR	51	99.763		Mascot
	807.3995	807.3972	-0.0023	-3	162	168 LAADDFR				Mascot
	961.5312	961.5276	-0.0036	-4	296	303 SEITEVKR				Mascot
	1062.4998	1062.4989	-0.0009	-1	84	92 ATMQNLNDR				Mascot
	1077.5609	1077.5587	-0.0022	-2	191	199 VLDELTMTTR				Mascot
	1078.4946	1078.4987	0.0041	4	84	92 ATMQNLNDR			Oxidation (M)[3]	Mascot
	1093.5558	1093.5375	-0.0183	-17	191	199 VLDELTMTTR			Oxidation (M)[7]	Mascot
	1123.5419	1123.5376	-0.0043	-4	268	276 DLESWFQAK				Mascot
	1123.5419	1123.5376	-0.0043	-4	268	276 DLESWFQAK	56	99.933		Mascot
	1153.5558	1153.5552	-0.0006	-1	375	383 LEMEIAEYR				Mascot
	1169.5507	1169.6106	0.0599	51	375	383 LEMEIAEYR	2	0	Oxidation (M)[3]	Mascot
	1169.5507	1169.6106	0.0599	51	375	383 LEMEIAEYR			Oxidation (M)[3]	Mascot
	1181.5909	1181.5896	-0.0013	-1	219	228 NHEEELLAAR				Mascot
	1181.5909	1181.5896	-0.0013	-1	219	228 NHEEELLAAR	83	100		Mascot
	1186.6426	1186.6426	0	0	179	189 QSVEADIVGLR				Mascot
	1194.5861	1194.5858	-0.0003	0	31	44 AGSVYGGAGGSGVR	81	100		Mascot
	1194.5861	1194.5858	-0.0003	0	31	44 AGSVYGGAGGSGVR				Mascot
	1221.6508	1221.6406	-0.0102	-8	190	199 KVLDELTMTTR			Oxidation (M)[8]	Mascot
	1268.6304	1268.6301	-0.0003	0	169	178 VKYENELSMR				Mascot
	1284.6252	1284.6288	0.0036	3	169	178 VKYENELSMR			Oxidation (M)[9]	Mascot
	1309.6569	1309.6708	0.0139	11	375	384 LEMEIAEYRR				Mascot
	1314.7375	1314.7371	-0.0004	0	179	190 QSVEADIVGLRK				Mascot
	1325.6517	1325.6486	-0.0031	-2	375	384 LEMEIAEYRR			Oxidation (M)[3]	Mascot
	1332.6754	1332.676	0.0006	0	320	332 ASLEGLTADTQAR				Mascot
	1410.7046	1410.705	0.0004	0	373	383 TRLEMEIAEYR	60	99.974		Mascot

1410.7046	1410.705	0.0004	0	373	383	TRLEMEIAEYR			Mascot
1414.8151	1414.8127	-0.0024	-2	402	414	KVVTIVEEVVDGK			Mascot
1420.7278	1420.7269	-0.0009	-1	283	295	EVAVSTETLQTSR			Mascot
1426.6995	1426.6992	-0.0003	0	373	383	TRLEMEIAEYR	23	0	Oxidation (M)[5] Mascot
1426.6995	1426.6992	-0.0003	0	373	383	TRLEMEIAEYR			Oxidation (M)[5] Mascot
1465.7356	1465.7278	-0.0078	-5	361	372	QGQEYQMLLDIK			Mascot
1481.7305	1481.7289	-0.0016	-1	361	372	QGQEYQMLLDIK			Oxidation (M)[7] Mascot
1708.8064	1708.8055	-0.0009	-1	128	142	DYSAYYATISDLQAK	93	100	Mascot
1708.8064	1708.8055	-0.0009	-1	128	142	DYSAYYATISDLQAK			Mascot
1847.9783	1847.9757	-0.0026	-1	304	319	TLQSLEIELQSLSMK			Mascot
1863.9731	1863.9728	-0.0003	0	304	319	TLQSLEIELQSLSMK			Oxidation (M)[15] Mascot
2117.1741	2117.1763	0.0022	1	200	217	SDLELQIEGLKEELIFLK			Mascot
2260.0762	2260.0803	0.0041	2	229	249	TQMSGQVNVEVDAAPQE DLTK			Mascot
2276.071	2276.0759	0.0049	2	229	249	TQMSGQVNVEVDAAPQE DLTK			Oxidation (M)[3] Mascot
2774.3818	2774.3843	0.0025	1	333	355	YTNMLNGYQFQVSSLEE QLIQLR			Mascot
2790.3767	2790.3848	0.0081	3	333	355	YTNMLNGYQFQVSSLEE QLIQLR			Oxidation (M)[4] Mascot
2844.3069	2844.3252	0.0183	6	53	83	SYSAGGGAGFGGGAGA GFNLSDAIDVPTNEK			Mascot

Peptide Information

1181.5909	1181.5896	-0.0013	-1	219	228	NHEEELLAAR	83	100		Mascot
1186.6426	1186.6426	0	0	179	189	QSVEADIVGLR				Mascot
1194.5861	1194.5858	-0.0003	0	31	44	AGSVYGGAGGSGVR	81	100		Mascot
1194.5861	1194.5858	-0.0003	0	31	44	AGSVYGGAGGSGVR				Mascot
1221.6508	1221.6406	-0.0102	-8	190	199	KVLDELTMTTR			Oxidation (M)[8]	Mascot
1282.646	1282.645	-0.001	-1	169	178	VKYENELTMR				Mascot
1298.6409	1298.6567	0.0158	12	169	178	VKYENELTMR			Oxidation (M)[9]	Mascot
1309.6569	1309.6708	0.0139	11	375	384	LEMEIAEYRR				Mascot
1314.7375	1314.7371	-0.0004	0	179	190	QSVEADIVGLRK				Mascot
1325.6517	1325.6486	-0.0031	-2	375	384	LEMEIAEYRR			Oxidation (M)[3]	Mascot
1332.6754	1332.676	0.0006	0	320	332	ASLEGLADTQAR				Mascot
1410.7046	1410.705	0.0004	0	373	383	TRLEMEIAEYR	60	99.974		Mascot
1410.7046	1410.705	0.0004	0	373	383	TRLEMEIAEYR				Mascot
1414.8151	1414.8127	-0.0024	-2	402	414	KVVTIVEEVVDGK				Mascot
1420.7278	1420.7269	-0.0009	-1	283	295	EVAVSTETLQTSR				Mascot
1426.6995	1426.6992	-0.0003	0	373	383	TRLEMEIAEYR	23	0	Oxidation (M)[5]	Mascot
1426.6995	1426.6992	-0.0003	0	373	383	TRLEMEIAEYR			Oxidation (M)[5]	Mascot
1465.7356	1465.7278	-0.0078	-5	361	372	QGQEYQMLLDIK				Mascot
1481.7305	1481.7289	-0.0016	-1	361	372	QGQEYQMLLDIK			Oxidation (M)[7]	Mascot
1708.8064	1708.8055	-0.0009	-1	128	142	DYSAYYATISDLQAK	93	100		Mascot
1708.8064	1708.8055	-0.0009	-1	128	142	DYSAYYATISDLQAK				Mascot
1847.9783	1847.9757	-0.0026	-1	304	319	TLQSLEIELQSLSMK				Mascot
1863.9731	1863.9728	-0.0003	0	304	319	TLQSLEIELQSLSMK			Oxidation (M)[15]	Mascot
2117.1741	2117.1763	0.0022	1	200	217	SDLELQIEGLKEELIFLK				Mascot
2260.0762	2260.0803	0.0041	2	229	249	TQMSGQVNVVEVDAAPQE DLTK				Mascot
2276.071	2276.0759	0.0049	2	229	249	TQMSGQVNVVEVDAAPQE DLTK			Oxidation (M)[3]	Mascot
2774.3818	2774.3843	0.0025	1	333	355	YTNMLNGYQFQVSSLEE QLIQLR				Mascot
2790.3767	2790.3848	0.0081	3	333	355	YTNMLNGYQFQVSSLEE QLIQLR			Oxidation (M)[4]	Mascot
2818.2913	2818.3137	0.0224	8	53	83	SFSAGGGAGFGGGAGA GFNLSDAIDVSTNEK				Mascot

3

type I cytokeratin, enveloping layer [Danio rerio]

gi|94732411

40437.7

5.15

23

642

100

424

100

Peptide Information							Ion Score	C. I. % Modification	Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.					
803.4369	803.4349	-0.002	-2	17	25	LSVGGGASR				Mascot
807.3995	807.3972	-0.0023	-3	100	106	LAADDFR	51	99.763		Mascot

807.3995	807.3972	-0.0023	-3	100	106	LAADDFR				Mascot
961.5312	961.5276	-0.0036	-4	234	241	SEITEVKR				Mascot
1077.5609	1077.5587	-0.0022	-2	129	137	VLDELTMTTR				Mascot
1093.5558	1093.5375	-0.0183	-17	129	137	VLDELTMTTR			Oxidation (M)[7]	Mascot
1123.5419	1123.5376	-0.0043	-4	206	214	DLESWFQAK				Mascot
1123.5419	1123.5376	-0.0043	-4	206	214	DLESWFQAK	56	99.933		Mascot
1153.5558	1153.5552	-0.0006	-1	313	321	LEMEIAEYR				Mascot
1169.5507	1169.6106	0.0599	51	313	321	LEMEIAEYR	2	0	Oxidation (M)[3]	Mascot
1169.5507	1169.6106	0.0599	51	313	321	LEMEIAEYR			Oxidation (M)[3]	Mascot
1181.5909	1181.5896	-0.0013	-1	157	166	NHEEELLAAR				Mascot
1181.5909	1181.5896	-0.0013	-1	157	166	NHEEELLAAR	83	100		Mascot
1186.6426	1186.6426	0	0	117	127	QSVEADIVGLR				Mascot
1194.5861	1194.5858	-0.0003	0	31	44	AGSVYGGAGGSGVR	81	100		Mascot
1194.5861	1194.5858	-0.0003	0	31	44	AGSVYGGAGGSGVR				Mascot
1221.6508	1221.6406	-0.0102	-8	128	137	KVLDELTMTTR			Oxidation (M)[8]	Mascot
1268.6304	1268.6301	-0.0003	0	107	116	VKYENELSMR				Mascot
1284.6252	1284.6288	0.0036	3	107	116	VKYENELSMR			Oxidation (M)[9]	Mascot
1309.6569	1309.6708	0.0139	11	313	322	LEMEIAEYRR				Mascot
1314.7375	1314.7371	-0.0004	0	117	128	QSVEADIVGLRK				Mascot
1325.6517	1325.6486	-0.0031	-2	313	322	LEMEIAEYRR			Oxidation (M)[3]	Mascot
1332.6754	1332.676	0.0006	0	258	270	ASLEGLTADTQAR				Mascot
1410.7046	1410.705	0.0004	0	311	321	TRLEMEIAEYR	60	99.974		Mascot
1410.7046	1410.705	0.0004	0	311	321	TRLEMEIAEYR				Mascot
1414.8151	1414.8127	-0.0024	-2	340	352	KVVTIVEEVVDGK				Mascot
1420.7278	1420.7269	-0.0009	-1	221	233	EVAVSTETLQTSR				Mascot
1426.6995	1426.6992	-0.0003	0	311	321	TRLEMEIAEYR	23	0	Oxidation (M)[5]	Mascot
1426.6995	1426.6992	-0.0003	0	311	321	TRLEMEIAEYR			Oxidation (M)[5]	Mascot
1465.7356	1465.7278	-0.0078	-5	299	310	QGQEYQMLLDIK				Mascot
1481.7305	1481.7289	-0.0016	-1	299	310	QGQEYQMLLDIK			Oxidation (M)[7]	Mascot
1708.8064	1708.8055	-0.0009	-1	66	80	DYSAYYATISDLQAK	93	100		Mascot
1708.8064	1708.8055	-0.0009	-1	66	80	DYSAYYATISDLQAK				Mascot
1847.9783	1847.9757	-0.0026	-1	242	257	TLQSLEIELQSLSMK				Mascot
1863.9731	1863.9728	-0.0003	0	242	257	TLQSLEIELQSLSMK			Oxidation (M)[15]	Mascot
2117.1741	2117.1763	0.0022	1	138	155	SDLELQIEGLKEELIFLK				Mascot
2260.0762	2260.0803	0.0041	2	167	187	TQMSGQVNVVEVDAAPQE DLTK				Mascot
2276.071	2276.0759	0.0049	2	167	187	TQMSGQVNVVEVDAAPQE DLTK			Oxidation (M)[3]	Mascot

	2774.3818	2774.3843	0.0025	1	271	293	YTNMLNGYQFQVSSLEE QLIQLR										Mascot
	2790.3767	2790.3848	0.0081	3	271	293	YTNMLNGYQFQVSSLEE QLIQLR						Oxidation (M)[4]				Mascot
4	hypothetical protein LOC100034647 [Danio rerio]				gi 131888757		46317.3	5.36	12	386	100	317	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1062.4998	1062.4989	-0.0009	-1	75	83	ATMQNLNDR					Mascot
1077.5609	1077.5587	-0.0022	-2	182	190	VLDELTMTTR					Mascot
1078.4946	1078.4987	0.0041	4	75	83	ATMQNLNDR			Oxidation (M)[3]		Mascot
1093.5558	1093.5375	-0.0183	-17	182	190	VLDELTMTTR			Oxidation (M)[7]		Mascot
1153.5558	1153.5552	-0.0006	-1	366	374	LEMEIAEYR					Mascot
1169.5507	1169.6106	0.0599	51	366	374	LEMEIAEYR	2	0	Oxidation (M)[3]		Mascot
1169.5507	1169.6106	0.0599	51	366	374	LEMEIAEYR			Oxidation (M)[3]		Mascot
1181.5909	1181.5896	-0.0013	-1	210	219	NHEEELLAAR					Mascot
1181.5909	1181.5896	-0.0013	-1	210	219	NHEEELLAAR	83	100			Mascot
1194.5861	1194.5858	-0.0003	0	22	35	AGSVYGGAGGSGVR	81	100			Mascot
1194.5861	1194.5858	-0.0003	0	22	35	AGSVYGGAGGSGVR					Mascot
1221.6508	1221.6406	-0.0102	-8	181	190	KVLDELTMTTR			Oxidation (M)[8]		Mascot
1309.6569	1309.6708	0.0139	11	366	375	LEMEIAEYRR					Mascot
1325.6517	1325.6486	-0.0031	-2	366	375	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1332.6754	1332.676	0.0006	0	311	323	ASLEGLADTQAR					Mascot
1410.7046	1410.705	0.0004	0	364	374	TRLEMEIAEYR	60	99.974			Mascot
1410.7046	1410.705	0.0004	0	364	374	TRLEMEIAEYR					Mascot
1414.8151	1414.8127	-0.0024	-2	396	408	KVVTIVEEVVDGK					Mascot
1426.6995	1426.6992	-0.0003	0	364	374	TRLEMEIAEYR	23	0	Oxidation (M)[5]		Mascot
1426.6995	1426.6992	-0.0003	0	364	374	TRLEMEIAEYR			Oxidation (M)[5]		Mascot
1481.7329	1481.7289	-0.004	-3	376	390	LLDGEATSVSTSSSK					Mascot
1708.8064	1708.8055	-0.0009	-1	119	133	DYSAYYATISDLQAK	93	100			Mascot
1708.8064	1708.8055	-0.0009	-1	119	133	DYSAYYATISDLQAK					Mascot

5	Zgc:109868 protein [Danio rerio]				gi 120537710		47066.8	5.25	15	287	100	192	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3972	-0.0023	-3	158	164	LAADDFR	51	99.763			Mascot
807.3995	807.3972	-0.0023	-3	158	164	LAADDFR					Mascot

961.5312	961.5276	-0.0036	-4	292	299	SEITEVKR			Mascot
1062.4998	1062.4989	-0.0009	-1	80	88	ATMQNLNDR			Mascot
1077.5609	1077.5587	-0.0022	-2	187	195	VDELTMTR			Mascot
1078.4946	1078.4987	0.0041	4	80	88	ATMQNLNDR		Oxidation (M)[3]	Mascot
1093.5558	1093.5375	-0.0183	-17	187	195	VDELTMTR		Oxidation (M)[7]	Mascot
1153.5558	1153.5552	-0.0006	-1	371	379	LEMEIAEYR			Mascot
1169.5507	1169.6106	0.0599	51	371	379	LEMEIAEYR	2	0	Oxidation (M)[3] Mascot
1169.5507	1169.6106	0.0599	51	371	379	LEMEIAEYR			Oxidation (M)[3] Mascot
1194.5861	1194.5858	-0.0003	0	32	45	AGSVYGGAGGSGVR	81	100	Mascot
1194.5861	1194.5858	-0.0003	0	32	45	AGSVYGGAGGSGVR			Mascot
1268.6304	1268.6301	-0.0003	0	165	174	VKYENELSMR			Mascot
1284.6252	1284.6288	0.0036	3	165	174	VKYENELSMR		Oxidation (M)[9]	Mascot
1309.6569	1309.6708	0.0139	11	371	380	LEMEIAEYRR			Mascot
1314.7124	1314.7371	0.0247	19	175	186	QSVEADIAGLRR			Mascot
1325.6517	1325.6486	-0.0031	-2	371	380	LEMEIAEYRR		Oxidation (M)[3]	Mascot
1332.6754	1332.676	0.0006	0	316	328	ASLEGTLADTQAR			Mascot
1410.7046	1410.705	0.0004	0	369	379	TRLEMEIAEYR	60	99.974	Mascot
1410.7046	1410.705	0.0004	0	369	379	TRLEMEIAEYR			Mascot
1414.8151	1414.8127	-0.0024	-2	400	412	KVVTIVEEVVDGK			Mascot
1426.6995	1426.6992	-0.0003	0	369	379	TRLEMEIAEYR	23	0	Oxidation (M)[5] Mascot
1426.6995	1426.6992	-0.0003	0	369	379	TRLEMEIAEYR			Oxidation (M)[5] Mascot
1432.7642	1432.7358	-0.0284	-20	279	291	EVAVSTETLQISR			Mascot
1847.9783	1847.9757	-0.0026	-1	300	315	TLQSLEIELQSLSMK			Mascot
1863.9731	1863.9728	-0.0003	0	300	315	TLQSLEIELQSLSMK		Oxidation (M)[15]	Mascot
2260.0762	2260.0803	0.0041	2	225	245	AQMTGQVNVEVDAAPQE DI TK		Oxidation (M)[3]	Mascot

Peptide Information

1093.5558	1093.5375	-0.0183	-17	188	196	VLDELTMTTR						Oxidation (M)[7]	Mascot
1153.5558	1153.5552	-0.0006	-1	372	380	LEMEIAEYR							Mascot
1169.5507	1169.6106	0.0599	51	372	380	LEMEIAEYR	2	0				Oxidation (M)[3]	Mascot
1169.5507	1169.6106	0.0599	51	372	380	LEMEIAEYR						Oxidation (M)[3]	Mascot
1194.5861	1194.5858	-0.0003	0	33	46	AGSVYGGAGGSGVR	81	100					Mascot
1194.5861	1194.5858	-0.0003	0	33	46	AGSVYGGAGGSGVR							Mascot
1268.6304	1268.6301	-0.0003	0	166	175	VKYENELSMR							Mascot
1284.6252	1284.6288	0.0036	3	166	175	VKYENELSMR						Oxidation (M)[9]	Mascot
1309.6569	1309.6708	0.0139	11	372	381	LEMEIAEYRR							Mascot
1314.7124	1314.7371	0.0247	19	176	187	QSVEADIAGLRR							Mascot
1325.6517	1325.6486	-0.0031	-2	372	381	LEMEIAEYRR						Oxidation (M)[3]	Mascot
1332.6754	1332.676	0.0006	0	317	329	ASLEGLTADTQAR							Mascot
1410.7046	1410.705	0.0004	0	370	380	TRLEMEIAEYR	60	99.974					Mascot
1410.7046	1410.705	0.0004	0	370	380	TRLEMEIAEYR							Mascot
1414.8151	1414.8127	-0.0024	-2	401	413	KVVTIVEEVVDGK							Mascot
1426.6995	1426.6992	-0.0003	0	370	380	TRLEMEIAEYR	23	0				Oxidation (M)[5]	Mascot
1426.6995	1426.6992	-0.0003	0	370	380	TRLEMEIAEYR						Oxidation (M)[5]	Mascot
1432.7642	1432.7358	-0.0284	-20	280	292	EVAVSTETLQISR							Mascot
1847.9783	1847.9757	-0.0026	-1	301	316	TLQSLEIELQSLSMK							Mascot
1863.9731	1863.9728	-0.0003	0	301	316	TLQSLEIELQSLSMK						Oxidation (M)[15]	Mascot
2260.0762	2260.0803	0.0041	2	226	246	AQMTGQVNVEVDAAPQE						Oxidation (M)[3]	Mascot

7

novel protein similar to type I cyto

keratin, enveloping

layer [Danio rerio]

gi|94732405

43116.8

5.22

14

281

100

192

100

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3972	-0.0023	-3	160	166	LAADDFR	51	99.763			Mascot
807.3995	807.3972	-0.0023	-3	160	166	LAADDFR					Mascot
961.5312	961.5276	-0.0036	-4	294	301	SEITEVKR					Mascot
1062.4998	1062.4989	-0.0009	-1	82	90	ATMQNLNDR					Mascot
1077.5609	1077.5587	-0.0022	-2	189	197	VLDELTMTTR					Mascot
1078.4946	1078.4987	0.0041	4	82	90	ATMQNLNDR			Oxidation (M)[3]		Mascot
1093.5558	1093.5375	-0.0183	-17	189	197	VLDELTMTTR			Oxidation (M)[7]		Mascot
1153.5558	1153.5552	-0.0006	-1	373	381	LEMEIAEYR					Mascot
1169.5507	1169.6106	0.0599	51	373	381	LEMEIAEYR	2	0	Oxidation (M)[3]		Mascot
1169.5507	1169.6106	0.0599	51	373	381	LEMEIAEYR			Oxidation (M)[3]		Mascot

	1194.5861	1194.5858	-0.0003	0	34	47	AGSVYGGAGGSGVR	81	100				Mascot
	1194.5861	1194.5858	-0.0003	0	34	47	AGSVYGGAGGSGVR						Mascot
	1268.6304	1268.6301	-0.0003	0	167	176	VKYENELSMR						Mascot
	1284.6252	1284.6288	0.0036	3	167	176	VKYENELSMR			Oxidation (M)[9]			Mascot
	1309.6569	1309.6708	0.0139	11	373	382	LEMEIAEYRR						Mascot
	1314.7124	1314.7371	0.0247	19	177	188	QSVEADIAGLRR						Mascot
	1325.6517	1325.6486	-0.0031	-2	373	382	LEMEIAEYRR			Oxidation (M)[3]			Mascot
	1332.6754	1332.676	0.0006	0	318	330	ASLEGTLDATQAR						Mascot
	1410.7046	1410.705	0.0004	0	371	381	TRLEMEIAEYR	60	99.974				Mascot
	1410.7046	1410.705	0.0004	0	371	381	TRLEMEIAEYR						Mascot
	1426.6995	1426.6992	-0.0003	0	371	381	TRLEMEIAEYR	23	0	Oxidation (M)[5]			Mascot
	1426.6995	1426.6992	-0.0003	0	371	381	TRLEMEIAEYR			Oxidation (M)[5]			Mascot
	1432.7642	1432.7358	-0.0284	-20	281	293	EVAVSTETLQISR						Mascot
	1847.9783	1847.9757	-0.0026	-1	302	317	TLQSLEIELQSQLSMK						Mascot
	1863.9731	1863.9728	-0.0003	0	302	317	TLQSLEIELQSQLSMK			Oxidation (M)[15]			Mascot
	2260.0762	2260.0803	0.0041	2	227	247	AQMTGQVNVEVDAAPQE DLTK			Oxidation (M)[3]			Mascot
8	Zgc:109868 [Danio rerio]				gi 92097956		47235.8	5.25	14	277	100	192	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3972	-0.0023	-3	160	166	LAADDFR	51	99.763			Mascot
807.3995	807.3972	-0.0023	-3	160	166	LAADDFR					Mascot
961.5312	961.5276	-0.0036	-4	294	301	SEITEVKR					Mascot
1062.4998	1062.4989	-0.0009	-1	82	90	ATMQNLNDR					Mascot
1077.5609	1077.5587	-0.0022	-2	189	197	VLDELTMTTR					Mascot
1078.4946	1078.4987	0.0041	4	82	90	ATMQNLNDR			Oxidation (M)[3]		Mascot
1093.5558	1093.5375	-0.0183	-17	189	197	VLDELTMTTR			Oxidation (M)[7]		Mascot
1153.5558	1153.5552	-0.0006	-1	373	381	LEMEIAEYR					Mascot
1169.5507	1169.6106	0.0599	51	373	381	LEMEIAEYR	2	0	Oxidation (M)[3]		Mascot
1169.5507	1169.6106	0.0599	51	373	381	LEMEIAEYR			Oxidation (M)[3]		Mascot
1194.5861	1194.5858	-0.0003	0	34	47	AGSVYGGAGGSGVR	81	100			Mascot
1194.5861	1194.5858	-0.0003	0	34	47	AGSVYGGAGGSGVR					Mascot
1268.6304	1268.6301	-0.0003	0	167	176	VKYENELSMR					Mascot
1284.6252	1284.6288	0.0036	3	167	176	VKYENELSMR			Oxidation (M)[9]		Mascot
1309.6569	1309.6708	0.0139	11	373	382	LEMEIAEYRR					Mascot
1314.7124	1314.7371	0.0247	19	177	188	QSVEADIAGLRR					Mascot

1325.6517	1325.6486	-0.0031	-2	373	382	LEMEIAEYRR								Oxidation (M)[3]	Mascot
1332.6754	1332.676	0.0006	0	318	330	ASLEGLADTQAR									Mascot
1410.7046	1410.705	0.0004	0	371	381	TRLEMEIAEYR	60	99.974							Mascot
1410.7046	1410.705	0.0004	0	371	381	TRLEMEIAEYR									Mascot
1426.6995	1426.6992	-0.0003	0	371	381	TRLEMEIAEYR	23	0	Oxidation (M)[5]						Mascot
1426.6995	1426.6992	-0.0003	0	371	381	TRLEMEIAEYR			Oxidation (M)[5]						Mascot
1432.7642	1432.7358	-0.0284	-20	281	293	EVAVSTETLQISR									Mascot
1847.9783	1847.9757	-0.0026	-1	302	317	TLQSLEIELQSQLSMK									Mascot
1863.9731	1863.9728	-0.0003	0	302	317	TLQSLEIELQSQLSMK			Oxidation (M)[15]						Mascot
2260.0762	2260.0803	0.0041	2	227	247	AQMTGQVNVVEVDAAPQE DLTK			Oxidation (M)[3]						Mascot

9 novel protein similar to type I cytokeratin, enveloping layer [Danio rerio] gi|94732413 49661.4 5.31 12 254 100 194 100

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
807.3995	807.3972	-0.0023	-3	183	189	LAADDFR	51	99.763				Mascot	
807.3995	807.3972	-0.0023	-3	183	189	LAADDFR						Mascot	
1062.4998	1062.4989	-0.0009	-1	105	113	ATMQNLNDR						Mascot	
1077.5609	1077.5587	-0.0022	-2	212	220	VLDELTMTTR						Mascot	
1078.4946	1078.4987	0.0041	4	105	113	ATMQNLNDR				Oxidation (M)[3]		Mascot	
1093.5558	1093.5375	-0.0183	-17	212	220	VLDELTMTTR				Oxidation (M)[7]		Mascot	
1153.5558	1153.5552	-0.0006	-1	396	404	LEMEIAEYR						Mascot	
1169.5507	1169.6106	0.0599	51	396	404	LEMEIAEYR	2	0	Oxidation (M)[3]			Mascot	
1169.5507	1169.6106	0.0599	51	396	404	LEMEIAEYR				Oxidation (M)[3]		Mascot	
1181.5909	1181.5896	-0.0013	-1	240	249	NHEEELLAAR						Mascot	
1181.5909	1181.5896	-0.0013	-1	240	249	NHEEELLAAR	83	100				Mascot	
1221.6508	1221.6406	-0.0102	-8	211	220	KVLDELTMTTR				Oxidation (M)[8]		Mascot	
1268.6304	1268.6301	-0.0003	0	190	199	VKYENELSMR						Mascot	
1284.6252	1284.6288	0.0036	3	190	199	VKYENELSMR				Oxidation (M)[9]		Mascot	
1309.6569	1309.6708	0.0139	11	396	405	LEMEIAEYRR						Mascot	
1325.6517	1325.6486	-0.0031	-2	396	405	LEMEIAEYRR				Oxidation (M)[3]		Mascot	
1332.6754	1332.676	0.0006	0	341	353	ASLEGLADTQAR						Mascot	
1410.7046	1410.705	0.0004	0	394	404	TRLEMEIAEYR	60	99.974				Mascot	
1410.7046	1410.705	0.0004	0	394	404	TRLEMEIAEYR						Mascot	
1426.6995	1426.6992	-0.0003	0	394	404	TRLEMEIAEYR	23	0	Oxidation (M)[5]			Mascot	
1426.6995	1426.6992	-0.0003	0	394	404	TRLEMEIAEYR				Oxidation (M)[5]		Mascot	

	1465.7356	1465.7278	-0.0078	-5	382	393	QGQEYQMLLDIK										Mascot
	1481.7305	1481.7289	-0.0016	-1	382	393	QGQEYQMLLDIK						Oxidation (M)[7]				Mascot
	1847.8922	1847.9757	0.0835	45	289	303	DLEHWFQSKSESLENK										Mascot
10	type I cytokeratin, enveloping layer [Danio rerio]				gi 94732407		24286.5	4.8	12	217	100	117	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
961.5312	961.5276	-0.0036	-4	84	91	SEITEVKR					Mascot
1123.5419	1123.5376	-0.0043	-4	56	64	DLESWFQAK					Mascot
1123.5419	1123.5376	-0.0043	-4	56	64	DLESWFQAK	56	99.933			Mascot
1153.5558	1153.5552	-0.0006	-1	163	171	LEMEIAEYR					Mascot
1169.5507	1169.6106	0.0599	51	163	171	LEMEIAEYR	2	0	Oxidation (M)[3]		Mascot
1169.5507	1169.6106	0.0599	51	163	171	LEMEIAEYR			Oxidation (M)[3]		Mascot
1309.6569	1309.6708	0.0139	11	163	172	LEMEIAEYRR					Mascot
1325.6517	1325.6486	-0.0031	-2	163	172	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1332.6754	1332.676	0.0006	0	108	120	ASLEGLADTQAR					Mascot
1410.7046	1410.705	0.0004	0	161	171	TRLEMEIAEYR	60	99.974			Mascot
1410.7046	1410.705	0.0004	0	161	171	TRLEMEIAEYR					Mascot
1414.8151	1414.8127	-0.0024	-2	190	202	KVVTIVEEVVDGK					Mascot
1420.7278	1420.7269	-0.0009	-1	71	83	EVAVSTETLQTSR					Mascot
1426.6995	1426.6992	-0.0003	0	161	171	TRLEMEIAEYR	23	0	Oxidation (M)[5]		Mascot
1426.6995	1426.6992	-0.0003	0	161	171	TRLEMEIAEYR			Oxidation (M)[5]		Mascot
1465.7356	1465.7278	-0.0078	-5	149	160	QGQEYQMLLDIK					Mascot
1481.7305	1481.7289	-0.0016	-1	149	160	QGQEYQMLLDIK			Oxidation (M)[7]		Mascot
1847.9783	1847.9757	-0.0026	-1	92	107	TLQSLEIELQSLSMK					Mascot
1863.9731	1863.9728	-0.0003	0	92	107	TLQSLEIELQSLSMK			Oxidation (M)[15]		Mascot
2260.0762	2260.0803	0.0041	2	17	37	TQMSGQVNVEVDAAPQE DLTK					Mascot
2276.071	2276.0759	0.0049	2	17	37	TQMSGQVNVEVDAAPQE DLTK			Oxidation (M)[3]		Mascot
2774.3818	2774.3843	0.0025	1	121	143	YTNMLNGYQFQVSSLEE QLIQLR					Mascot
2790.3767	2790.3848	0.0081	3	121	143	YTNMLNGYQFQVSSLEE QLIQLR			Oxidation (M)[4]		Mascot

11	type I cytokeratin [Danio rerio]				gi 18858423		46692.5	5.38	15	198	100	111	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	807.3995	807.3972	-0.0023	-3	158	164	LAADDFR	51	99.763					Mascot
	807.3995	807.3972	-0.0023	-3	158	164	LAADDFR							Mascot
	1062.4998	1062.4989	-0.0009	-1	80	88	ATMQNLNDR							Mascot
	1077.5609	1077.5587	-0.0022	-2	187	195	VLDELTMTTR							Mascot
	1078.4946	1078.4987	0.0041	4	80	88	ATMQNLNDR			Oxidation (M)[3]				Mascot
	1093.5312	1093.5375	0.0063	6	264	272	DLEGWFQAK							Mascot
	1153.5558	1153.5552	-0.0006	-1	371	379	LEMEIAEYR							Mascot
	1169.5507	1169.6106	0.0599	51	371	379	LEMEIAEYR	2	0	Oxidation (M)[3]				Mascot
	1169.5507	1169.6106	0.0599	51	371	379	LEMEIAEYR			Oxidation (M)[3]				Mascot
	1221.6262	1221.6406	0.0144	12	263	272	KDLEGWFQAK							Mascot
	1268.6304	1268.6301	-0.0003	0	165	174	VKYENELSMR							Mascot
	1284.6252	1284.6288	0.0036	3	165	174	VKYENELSMR			Oxidation (M)[9]				Mascot
	1309.6569	1309.6708	0.0139	11	371	380	LEMEIAEYRR							Mascot
	1314.7124	1314.7371	0.0247	19	175	186	QSVEADIAGLRR							Mascot
	1325.6517	1325.6486	-0.0031	-2	371	380	LEMEIAEYRR			Oxidation (M)[3]				Mascot
	1332.6754	1332.676	0.0006	0	316	328	ASLEGTLDATQAR							Mascot
	1410.7046	1410.705	0.0004	0	369	379	TRLEMEIAEYR	60	99.974					Mascot
	1410.7046	1410.705	0.0004	0	369	379	TRLEMEIAEYR							Mascot
	1414.8151	1414.8127	-0.0024	-2	398	410	KVVTIVEEVVDGK							Mascot
	1420.7278	1420.7269	-0.0009	-1	279	291	EVAVSTETLQTSR							Mascot
	1426.6995	1426.6992	-0.0003	0	369	379	TRLEMEIAEYR	23	0	Oxidation (M)[5]				Mascot
	1426.6995	1426.6992	-0.0003	0	369	379	TRLEMEIAEYR			Oxidation (M)[5]				Mascot
	1465.7356	1465.7278	-0.0078	-5	357	368	QGQEYQMLLDIK							Mascot
	1481.7305	1481.7289	-0.0016	-1	357	368	QGQEYQMLLDIK			Oxidation (M)[7]				Mascot
	2260.0762	2260.0803	0.0041	2	225	245	AQMTGQVNVVEVDAAPQE DLTK			Oxidation (M)[3]				Mascot
12	type I keratin E7 [Danio rerio]				gi 50539834		49754.6	5.42	11	108	100	60	99.974	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
972.4131	972.4105	-0.0026	-3	265	271	EMEAWEYK			Oxidation (M)[2]		Mascot
1078.6255	1078.4987	-0.1268	-118	90	98	LASYLEKVR					Mascot
1123.5854	1123.5376	-0.0478	-43	215	224	NHAEELAALR					Mascot
1123.5854	1123.5376	-0.0478	-43	215	224	NHAEELAALR					Mascot
1153.5558	1153.5552	-0.0006	-1	372	380	LEMEIAEYR					Mascot
1169.5507	1169.6106	0.0599	51	372	380	LEMEIAEYR	2	0	Oxidation (M)[3]		Mascot

1169.5507	1169.6106	0.0599	51	372	380	LEMEIAEYR						Oxidation (M)[3]	Mascot
1186.5521	1186.6426	0.0905	76	1	10	MSQVTQSFSR						Oxidation (M)[1]	Mascot
1298.6521	1298.6567	0.0046	4	1	11	MSQVTQSFSRK							Mascot
1309.6569	1309.6708	0.0139	11	372	381	LEMEIAEYRR							Mascot
1314.6471	1314.7371	0.09	68	1	11	MSQVTQSFSRK						Oxidation (M)[1]	Mascot
1325.6517	1325.6486	-0.0031	-2	372	381	LEMEIAEYRR						Oxidation (M)[3]	Mascot
1410.7046	1410.705	0.0004	0	370	380	TRLEMEIAEYR	60	99.974					Mascot
1410.7046	1410.705	0.0004	0	370	380	TRLEMEIAEYR							Mascot
1420.8046	1420.7269	-0.0777	-55	358	369	QASEYKLLLDIK							Mascot
1426.6995	1426.6992	-0.0003	0	370	380	TRLEMEIAEYR	23	0				Oxidation (M)[5]	Mascot
1426.6995	1426.6992	-0.0003	0	370	380	TRLEMEIAEYR						Oxidation (M)[5]	Mascot
2144.2688	2144.1345	-0.1343	-63	391	410	QTIKVVVEVAPPKDPVV TK							Mascot
2260.0007	2260.0803	0.0796	35	58	80	GGFDMSSALAGGDNGF GMVVNEK							Mascot
2275.9956	2276.0759	0.0803	35	58	80	GGFDMSSALAGGDNGF GMVVNEK						Oxidation (M)[5]	Mascot

13 type I keratin E7-like [Danio rerio] gi|316659401 43783.1 4.97 10 105 100 60 99.974

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
972.4131	972.4105	-0.0026	-3	244	250	EMEAWYK			Oxidation (M)[2]		Mascot
1078.6255	1078.4987	-0.1268	-118	69	77	LASYLEKVR					Mascot
1123.5854	1123.5376	-0.0478	-43	194	203	NHAEELAALR					Mascot
1123.5854	1123.5376	-0.0478	-43	194	203	NHAEELAALR					Mascot
1153.5558	1153.5552	-0.0006	-1	351	359	LEMEIAEYR					Mascot
1169.5507	1169.6106	0.0599	51	351	359	LEMEIAEYR	2	0	Oxidation (M)[3]		Mascot
1169.5507	1169.6106	0.0599	51	351	359	LEMEIAEYR			Oxidation (M)[3]		Mascot
1186.5521	1186.6426	0.0905	76	1	10	MSQVTQSFSR			Oxidation (M)[1]		Mascot
1298.6521	1298.6567	0.0046	4	1	11	MSQVTQSFSRK					Mascot
1309.6569	1309.6708	0.0139	11	351	360	LEMEIAEYRR					Mascot
1314.6471	1314.7371	0.09	68	1	11	MSQVTQSFSRK			Oxidation (M)[1]		Mascot
1325.6517	1325.6486	-0.0031	-2	351	360	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1410.7046	1410.705	0.0004	0	349	359	TRLEMEIAEYR	60	99.974			Mascot
1410.7046	1410.705	0.0004	0	349	359	TRLEMEIAEYR					Mascot
1420.8046	1420.7269	-0.0777	-55	337	348	QASEYKLLLDIK					Mascot
1426.6995	1426.6992	-0.0003	0	349	359	TRLEMEIAEYR	23	0	Oxidation (M)[5]		Mascot
1426.6995	1426.6992	-0.0003	0	349	359	TRLEMEIAEYR			Oxidation (M)[5]		Mascot

1464.8421464.7013-0.1407-96370383QTVKVVVEVVAPPQAMascot

14si:dkeyp-113d7.4 [Danio rerio]gi|16723479649903.84.9491001006099.974

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1093.6099	1093.5375	-0.0724	-66	463	473	VVSSSSTSLVK					Mascot
1153.5558	1153.5552	-0.0006	-1	409	417	LEMEIAEYR					Mascot
1169.5507	1169.6106	0.0599	51	409	417	LEMEIAEYR	2	0	Oxidation (M)[3]		Mascot
1169.5507	1169.6106	0.0599	51	409	417	LEMEIAEYR			Oxidation (M)[3]		Mascot
1194.5861	1194.5858	-0.0003	0	37	50	SGSVYGGAGGAGVR					Mascot
1194.5861	1194.5858	-0.0003	0	37	50	SGSVYGGAGGAGVR					Mascot
1282.646	1282.645	-0.001	-1	203	212	IKYENELSMR					Mascot
1298.6409	1298.6567	0.0158	12	203	212	IKYENELSMR			Oxidation (M)[9]		Mascot
1309.6569	1309.6708	0.0139	11	409	418	LEMEIAEYRR					Mascot
1325.6517	1325.6486	-0.0031	-2	409	418	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1410.7046	1410.705	0.0004	0	407	417	TRLEMEIAEYR	60	99.974			Mascot
1410.7046	1410.705	0.0004	0	407	417	TRLEMEIAEYR					Mascot
1426.6995	1426.6992	-0.0003	0	407	417	TRLEMEIAEYR	23	0	Oxidation (M)[5]		Mascot
1426.6995	1426.6992	-0.0003	0	407	417	TRLEMEIAEYR			Oxidation (M)[5]		Mascot
1464.6787	1464.7013	0.0226	15	1	14	MATTFSSGSFVSSR					Mascot
1465.7356	1465.7278	-0.0078	-5	395	406	QGQEYQMLLDIK					Mascot
1481.7305	1481.7289	-0.0016	-1	395	406	QGQEYQMLLDIK			Oxidation (M)[7]		Mascot
2330.2019	2330.0193	-0.1826	-78	213	234	QSVEADIAGLKNVLSDLN MGQK					Mascot

15type I keratin [Danio rerio]gi|573381611569.64.8851001006099.974

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1153.5558	1153.5552	-0.0006	-1	64	72	LEMEIAEYR					Mascot
1169.5507	1169.6106	0.0599	51	64	72	LEMEIAEYR	2	0	Oxidation (M)[3]		Mascot
1169.5507	1169.6106	0.0599	51	64	72	LEMEIAEYR			Oxidation (M)[3]		Mascot
1309.6569	1309.6708	0.0139	11	64	73	LEMEIAEYRR					Mascot
1325.6517	1325.6486	-0.0031	-2	64	73	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1332.6754	1332.676	0.0006	0	9	21	ASLEGLTADTQAR					Mascot
1410.7046	1410.705	0.0004	0	62	72	TRLEMEIAEYR	60	99.974			Mascot
1410.7046	1410.705	0.0004	0	62	72	TRLEMEIAEYR					Mascot

1426.6995	1426.6992	-0.0003	0	62	72	TRLEMEIAEYR	23	0	Oxidation (M)[5]	Mascot
1426.6995	1426.6992	-0.0003	0	62	72	TRLEMEIAEYR			Oxidation (M)[5]	Mascot
1465.7356	1465.7278	-0.0078	-5	50	61	QGQEYQMLLDIK				Mascot
1481.7305	1481.7289	-0.0016	-1	50	61	QGQEYQMLLDIK			Oxidation (M)[7]	Mascot

16 Si:dkeyp-113d7.4 protein [Danio rerio] gi|94574324 51552.7 5 8 92 99.997 60 99.974

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1093.6099	1093.5375	-0.0724	-66	478	488	VVSSSSTSLVK					Mascot
1153.5558	1153.5552	-0.0006	-1	424	432	LEMEIAEYR					Mascot
1169.5507	1169.6106	0.0599	51	424	432	LEMEIAEYR	2	0	Oxidation (M)[3]		Mascot
1169.5507	1169.6106	0.0599	51	424	432	LEMEIAEYR			Oxidation (M)[3]		Mascot
1194.5861	1194.5858	-0.0003	0	52	65	SGSVYGGAGGAGVR					Mascot
1194.5861	1194.5858	-0.0003	0	52	65	SGSVYGGAGGAGVR					Mascot
1282.646	1282.645	-0.001	-1	218	227	IKYENELSMR					Mascot
1298.6409	1298.6567	0.0158	12	218	227	IKYENELSMR			Oxidation (M)[9]		Mascot
1309.6569	1309.6708	0.0139	11	424	433	LEMEIAEYRR					Mascot
1325.6517	1325.6486	-0.0031	-2	424	433	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1410.7046	1410.705	0.0004	0	422	432	TRLEMEIAEYR	60	99.974			Mascot
1410.7046	1410.705	0.0004	0	422	432	TRLEMEIAEYR					Mascot
1426.6995	1426.6992	-0.0003	0	422	432	TRLEMEIAEYR	23	0	Oxidation (M)[5]		Mascot
1426.6995	1426.6992	-0.0003	0	422	432	TRLEMEIAEYR			Oxidation (M)[5]		Mascot
1465.7356	1465.7278	-0.0078	-5	410	421	QGQEYQMLLDIK					Mascot
1481.7305	1481.7289	-0.0016	-1	410	421	QGQEYQMLLDIK			Oxidation (M)[7]		Mascot
2330.2019	2330.0193	-0.1826	-78	228	249	QSVEADIAGLKNVLSDLN MGQK					Mascot

17 Si:dkeyp-113d7.4 protein [Danio rerio] gi|62203256 51673.7 5.05 8 92 99.997 60 99.974

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1078.6255	1078.4987	-0.1268	-118	140	148	LASYLEKVR					Mascot
1093.6099	1093.5375	-0.0724	-66	478	488	VVSSSSTSLVK					Mascot
1153.5558	1153.5552	-0.0006	-1	424	432	LEMEIAEYR					Mascot
1169.5507	1169.6106	0.0599	51	424	432	LEMEIAEYR	2	0	Oxidation (M)[3]		Mascot
1169.5507	1169.6106	0.0599	51	424	432	LEMEIAEYR			Oxidation (M)[3]		Mascot
1194.5861	1194.5858	-0.0003	0	52	65	SGSVYGGAGGAGVR					Mascot

1194.5861	1194.5858	-0.0003	0	52	65	SGSVYGGAGGAGVR							Mascot
1282.646	1282.645	-0.001	-1	218	227	IKYENELSMR							Mascot
1298.6409	1298.6567	0.0158	12	218	227	IKYENELSMR				Oxidation (M)[9]			Mascot
1309.6569	1309.6708	0.0139	11	424	433	LEMEIAEYRR							Mascot
1325.6517	1325.6486	-0.0031	-2	424	433	LEMEIAEYRR				Oxidation (M)[3]			Mascot
1410.7046	1410.705	0.0004	0	422	432	TRLEMEIAEYR	60	99.974					Mascot
1410.7046	1410.705	0.0004	0	422	432	TRLEMEIAEYR							Mascot
1426.6995	1426.6992	-0.0003	0	422	432	TRLEMEIAEYR	23	0	Oxidation (M)[5]				Mascot
1426.6995	1426.6992	-0.0003	0	422	432	TRLEMEIAEYR				Oxidation (M)[5]			Mascot
1465.7356	1465.7278	-0.0078	-5	410	421	QGQEYQMLLDIK							Mascot
1481.7305	1481.7289	-0.0016	-1	410	421	QGQEYQMLLDIK				Oxidation (M)[7]			Mascot

18 novel protein similar to vertebrate keratin type I family [Danio rerio] gi|94732967 45812.2 5.08 8 88 99.992 60 99.974

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
972.4131	972.4105	-0.0026	-3	262	268	EMEAWEYK			Oxidation (M)[2]		Mascot
1078.6255	1078.4987	-0.1268	-118	87	95	LASYLEKVR					Mascot
1123.5854	1123.5376	-0.0478	-43	212	221	NHAEELAALR					Mascot
1123.5854	1123.5376	-0.0478	-43	212	221	NHAEELAALR					Mascot
1153.5558	1153.5552	-0.0006	-1	369	377	LEMEIAEYR					Mascot
1169.5507	1169.6106	0.0599	51	369	377	LEMEIAEYR	2	0	Oxidation (M)[3]		Mascot
1169.5507	1169.6106	0.0599	51	369	377	LEMEIAEYR			Oxidation (M)[3]		Mascot
1309.6569	1309.6708	0.0139	11	369	378	LEMEIAEYRR					Mascot
1325.6517	1325.6486	-0.0031	-2	369	378	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1410.7046	1410.705	0.0004	0	367	377	TRLEMEIAEYR	60	99.974			Mascot
1410.7046	1410.705	0.0004	0	367	377	TRLEMEIAEYR					Mascot
1420.8046	1420.7269	-0.0777	-55	355	366	QASEYKLLLDIK					Mascot
1426.6995	1426.6992	-0.0003	0	367	377	TRLEMEIAEYR	23	0	Oxidation (M)[5]		Mascot
1426.6995	1426.6992	-0.0003	0	367	377	TRLEMEIAEYR			Oxidation (M)[5]		Mascot
1464.842	1464.7013	-0.1407	-96	388	401	QTVKVVVEVAPPQA					Mascot

19 keratin 15 [Danio rerio] gi|47087241 49093.4 5.13 7 87 99.991 60 99.974

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1062.4998	1062.4989	-0.0009	-1	109	117	ATMQNLNDR					Mascot

	1078.4946	1078.4987	0.0041	4	109	117	ATMQNLNDR				Oxidation (M)[3]	Mascot	
	1153.5558	1153.5552	-0.0006	-1	400	408	LEMEIAEYR					Mascot	
	1169.5507	1169.6106	0.0599	51	400	408	LEMEIAEYR	2	0		Oxidation (M)[3]	Mascot	
	1169.5507	1169.6106	0.0599	51	400	408	LEMEIAEYR				Oxidation (M)[3]	Mascot	
	1284.6252	1284.6288	0.0036	3	194	203	TKYENELTMR					Mascot	
	1309.6569	1309.6708	0.0139	11	400	409	LEMEIAEYRR					Mascot	
	1325.6517	1325.6486	-0.0031	-2	400	409	LEMEIAEYRR				Oxidation (M)[3]	Mascot	
	1362.7111	1362.6974	-0.0137	-10	308	320	EVAASTETIQVSK					Mascot	
	1410.7046	1410.705	0.0004	0	398	408	TRLEMEIAEYR	60	99.974			Mascot	
	1410.7046	1410.705	0.0004	0	398	408	TRLEMEIAEYR					Mascot	
	1426.6995	1426.6992	-0.0003	0	398	408	TRLEMEIAEYR	23	0		Oxidation (M)[5]	Mascot	
	1426.6995	1426.6992	-0.0003	0	398	408	TRLEMEIAEYR				Oxidation (M)[5]	Mascot	
	1465.772	1465.7278	-0.0442	-30	386	397	QGQEYKMLLDIK					Mascot	
	1481.7668	1481.7289	-0.0379	-26	386	397	QGQEYKMLLDIK				Oxidation (M)[7]	Mascot	
20	keratin 15 [Danio rerio]				gi 169158744		48848.4	5.13	7	87	99.99	60	99.974

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	1093.6099	1093.5375	-0.0724	-66	478	488 VVSSSTSLVK					Mascot
	1153.5558	1153.5552	-0.0006	-1	424	432 LEMEIAEYR					Mascot
	1169.5507	1169.6106	0.0599	51	424	432 LEMEIAEYR	2	0	Oxidation (M)[3]		Mascot
	1169.5507	1169.6106	0.0599	51	424	432 LEMEIAEYR			Oxidation (M)[3]		Mascot
	1194.5861	1194.5858	-0.0003	0	52	65 SGSVYGGAGGAGVR					Mascot
	1194.5861	1194.5858	-0.0003	0	52	65 SGSVYGGAGGAGVR					Mascot
	1282.646	1282.645	-0.001	-1	218	227 IKYENELSMR					Mascot
	1298.6409	1298.6567	0.0158	12	218	227 IKYENELSMR			Oxidation (M)[9]		Mascot
	1309.6569	1309.6708	0.0139	11	424	433 LEMEIAEYRR					Mascot
	1325.6517	1325.6486	-0.0031	-2	424	433 LEMEIAEYRR			Oxidation (M)[3]		Mascot
	1410.7046	1410.705	0.0004	0	422	432 TRLEMEIAEYR	60	99.974			Mascot
	1410.7046	1410.705	0.0004	0	422	432 TRLEMEIAEYR					Mascot
	1426.6995	1426.6992	-0.0003	0	422	432 TRLEMEIAEYR	23	0	Oxidation (M)[5]		Mascot
	1426.6995	1426.6992	-0.0003	0	422	432 TRLEMEIAEYR			Oxidation (M)[5]		Mascot
	1465.7356	1465.7278	-0.0078	-5	410	421 QGQEYQMLLDIK					Mascot
	1481.7305	1481.7289	-0.0016	-1	410	421 QGQEYQMLLDIK			Oxidation (M)[7]		Mascot

22 hypothetical protein LOC436665 [Danio rerio] gi|50539844 47819.6 5.77 8 69 99.413 49 99.651

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	807.3995	807.3972	-0.0023	-3	172	178 LAADDFR	51	99.763			Mascot
	807.3995	807.3972	-0.0023	-3	172	178 LAADDFR					Mascot
	1078.6255	1078.4987	-0.1268	-118	103	111 LASYIEKVR					Mascot
	1332.6001	1332.676	0.0759	57	37	50 AYSITGCGFGGSR					Mascot
	1410.6464	1410.705	0.0586	42	2	14 SCSLRTSSCQGPK			Carbamidomethyl (C)[2]		Mascot
	1410.6464	1410.705	0.0586	42	2	14 SCSLRTSSCQGPK			Carbamidomethyl (C)[2]		Mascot
	1448.7162	1448.7032	-0.013	-9	331	343 CALEASLRETEAR					Mascot
	1863.9554	1863.9728	0.0174	9	315	330 TLQCLEIELQSQLSMK					Mascot
	1914.92	1914.9323	0.0123	6	59	75 VGCYPDLLCKISGGYGR			Carbamidomethyl (C)[3,9]		Mascot
	2245.103	2245.2681	0.1651	74	181	199 YEHEIAVRQCVEDIANLR					Mascot

23 keratin 18 [Danio rerio] gi|29335504 41247.4 5.07 6 68 99.261 51 99.763

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End Sequence	Ion	C. I.	% Modification	Rank	Result Type
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				Seq.	Seq.	Score							
	807.3995	807.3972	-0.0023	-3	91	97 LAADDFR	51	99.763					Mascot
	807.3995	807.3972	-0.0023	-3	91	97 LAADDFR							Mascot
	882.4753	882.5669	0.0916	104	188	194 YEKMALK							Mascot
	1078.6255	1078.4987	-0.1268	-118	23	31 LASYLEKVR							Mascot
	1221.6586	1221.6406	-0.018	-15	305	314 LEAEIATYRR							Mascot
	1464.7111	1464.7013	-0.0098	-7	250	262 GSLEGLTRDTEMR							Mascot
	2761.4441	2761.3696	-0.0745	-27	263	285 YNMEIENLNTIILQLEAEL TQLR							Mascot

24 RecName: Full=Keratin, type I cytoskeletal 18; gi|148886613 48601.1 5.53 6 67 99.132 51 99.763
AltName: Full=Cytokeratin-18; Short=CK-18; AltName:

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
807.3995	807.3972	-0.0023	-3	163	169 LAADDFR	51	99.763			Mascot
807.3995	807.3972	-0.0023	-3	163	169 LAADDFR					Mascot
882.4753	882.5669	0.0916	104	260	266 YEKMALK					Mascot
1078.6255	1078.4987	-0.1268	-118	95	103 LASYLEKVR					Mascot
1221.6586	1221.6406	-0.018	-15	377	386 LEAEIATYRR					Mascot
1464.7111	1464.7013	-0.0098	-7	322	334 GSLEGLTRDTEMR					Mascot
2761.4441	2761.3696	-0.0745	-27	335	357 YNMEIENLNTIILQLEAEL TQLR					Mascot

25 hypothetical protein LOC768289 [Danio rerio] gi|116875789 47729.2 6.11 5 65 98.526 51 99.763

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
807.3995	807.3972	-0.0023	-3	176	182 LAADDFR	51	99.763			Mascot
807.3995	807.3972	-0.0023	-3	176	182 LAADDFR					Mascot
1062.4998	1062.4989	-0.0009	-1	98	106 ATMQNLNDR					Mascot
1078.4946	1078.4987	0.0041	4	98	106 ATMQNLNDR			Oxidation (M)[3]		Mascot
1362.7991	1362.6974	-0.1017	-75	378	388 DYILLLDIKTR					Mascot
1410.7621	1410.705	-0.0571	-40	15	27 SMTSGSIITKTLR			Oxidation (M)[2]		Mascot
1410.7621	1410.705	-0.0571	-40	15	27 SMTSGSIITKTLR			Oxidation (M)[2]		Mascot
1420.7529	1420.7269	-0.026	-18	297	309 EVAISTETIQTTK					Mascot

26 hypothetical protein LOC678611 [Danio rerio] gi|94536645 50899.8 8.17 3 58 92.783 51 99.763

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	807.3995	807.3972	-0.0023	-3	180	186 LAADDFR	51	99.763			Mascot
	807.3995	807.3972	-0.0023	-3	180	186 LAADDFR					Mascot
	1062.4998	1062.4989	-0.0009	-1	102	110 ATMQNLNDR					Mascot
	1078.4946	1078.4987	0.0041	4	102	110 ATMQNLNDR			Oxidation (M)[3]		Mascot
	1093.5425	1093.5375	-0.005	-5	285	292 REQEAWFK					Mascot
27	PREDICTED: hypothetical protein LOC556118 [Danio rerio]					gi 326671688	82934.8	5.43	10	55 86.248	51 99.763

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	807.3995	807.3972	-0.0023	-3	509	515 LAADDFR	51	99.763			Mascot
	807.3995	807.3972	-0.0023	-3	509	515 LAADDFR					Mascot
	1062.4998	1062.4989	-0.0009	-1	431	439 ATMQNLNDR					Mascot
	1078.4946	1078.4987	0.0041	4	431	439 ATMQNLNDR			Oxidation (M)[3]		Mascot
	1221.6329	1221.6406	0.0077	6	537	546 CILDKTCLAK			Carbamidomethyl (C)[1,7]		Mascot
	1314.7739	1314.7371	-0.0368	-28	492	503 DATITNGKILLR					Mascot
	1448.705	1448.7032	-0.0018	-1	668	680 GALECSLLETEAR			Carbamidomethyl (C)[5]		Mascot
	1863.8752	1863.9728	0.0976	52	732	749 CLEENQASQSSQSVSPS V					Mascot
	2260.1025	2260.0803	-0.0222	-10	518	536 YENELSIHQCVKADIDNL R					Mascot
	2276.062	2276.0759	0.0139	6	381	400 TRISSCSYRPNTCSPCPL YK					Mascot
	2745.3123	2745.3684	0.0561	20	681	703 YSTMLAGYQKHINAYEAE LCQVR			Carbamidomethyl (C)[20]		Mascot
	2761.3071	2761.3696	0.0625	23	681	703 YSTMLAGYQKHINAYEAE LCQVR			Carbamidomethyl (C)[20], Oxidation (M)[4]		Mascot
	2844.2646	2844.3252	0.0606	21	82	105 HCYSTCPEICPKPSSFTC PKTCLK			Carbamidomethyl (C)[2,6,10]		Mascot
28	hypothetical protein LOC559906 [Danio rerio]					gi 198282017	48541.8	5.61	4	54 83.466	51 99.763

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	807.3995	807.3972	-0.0023	-3	151	157 LAADDFR	51	99.763			Mascot
	807.3995	807.3972	-0.0023	-3	151	157 LAADDFR					Mascot
	882.4349	882.5669	0.132	150	1	8 MSSSLSVR			Oxidation (M)[1]		Mascot
	1062.5499	1062.4989	-0.051	-48	142	150 IMLEIDNAK			Oxidation (M)[2]		Mascot
	1268.6594	1268.6301	-0.0293	-23	182	192 SDHDQIIATLR					Mascot

29 PREDICTED: dystonin [Danio rerio] gi|326672751 766703.7 5.12 43 52 74.975

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
803.4621	803.4349	-0.0272	-34	6111	6118	TGSVQALK				Mascot
842.5168	842.5081	-0.0087	-10	1683	1689	LCLLPVK		Carbamidomethyl (C)[2]		Mascot
940.4482	940.4208	-0.0274	-29	3787	3795	HPSGNDSVK				Mascot
961.4771	961.5276	0.0505	53	4395	4402	DHMSISKK		Oxidation (M)[3]		Mascot
972.5513	972.4105	-0.1408	-145	2134	2141	DYAIHLLK				Mascot
1062.5149	1062.4989	-0.016	-15	1272	1279	MFKTHNER				Mascot
1077.5358	1077.5587	0.0229	21	2270	2279	CILSVNDASR				Mascot
1078.5099	1078.4987	-0.0112	-10	1272	1279	MFKTHNER		Oxidation (M)[1]		Mascot
1093.6476	1093.5375	-0.1101	-101	3972	3981	HALIERAVGK				Mascot
1153.5042	1153.5552	0.051	44	4403	4413	VDDACSSLESK				Mascot
1169.6776	1169.6106	-0.067	-57	2558	2567	DPDILLDLKK				Mascot
1169.6776	1169.6106	-0.067	-57	2558	2567	DPDILLDLKK				Mascot
1181.5619	1181.5896	0.0277	23	1561	1570	SQLVDDAMFR				Mascot
1181.6095	1181.5896	-0.0199	-17	3385	3395	FANLCKSVSGR				Mascot
1186.5343	1186.6426	0.1083	91	2085	2094	AMHTVNPECK		Carbamidomethyl (C)[9]		Mascot
1216.6532	1216.5681	-0.0851	-70	778	787	EEVIRSVQEK				Mascot
1221.611	1221.6406	0.0296	24	4310	4319	EFNDLQKEAK				Mascot
1284.5632	1284.6288	0.0656	51	1431	1441	AQMSMEEMVTK				Mascot
1309.6609	1309.6708	0.0099	8	390	399	MLEIWIEFGR		Oxidation (M)[1]		Mascot
1314.6246	1314.7371	0.1125	86	6303	6313	DPMPQELEEVEK				Mascot
1332.6576	1332.676	0.0184	14	449	461	DCAAGEDKLALAR				Mascot
1362.6899	1362.6974	0.0075	6	3660	3671	TVNDLLDAWTSK				Mascot
1410.6028	1410.705	0.1022	72	3041	3052	ENGNMPEFTPMK		Oxidation (M)[5]		Mascot
1410.7046	1410.705	0.0004	0	3593	3604	MKNISDNFNALK		Oxidation (M)[1]		Mascot
1426.5977	1426.6992	0.1015	71	3041	3052	ENGNMPEFTPMK		Oxidation (M)[5,11]		Mascot
1426.7761	1426.6992	-0.0769	-54	5698	5709	GLQNKLENLNQR				Mascot
1432.7179	1432.7358	0.0179	12	3207	3218	QRSFSEDVISHK				Mascot
1448.6573	1448.7032	0.0459	32	4943	4955	YSEINTMSSSVSK		Oxidation (M)[7]		Mascot
1464.8169	1464.7013	-0.1156	-79	907	919	NPENPIRTSIPVK				Mascot
1465.738	1465.7278	-0.0102	-7	3928	3942	LTEAAASITSSASEK				Mascot
1481.7781	1481.7289	-0.0492	-33	4800	4812	VLYQAMSLGQSLR		Oxidation (M)[6]		Mascot
1566.8638	1566.8074	-0.0564	-36	509	521	FYLADQLVQRVSK				Mascot

	1582.6472	1582.801	0.1538	97	5683	5697	AGCDLMESSEAGEEAR		Carbamidomethyl (C)[3]	Mascot	
	1847.9895	1847.9757	-0.0138	-7	1443	1458	EQIGEALRTTQLMLTK		Oxidation (M)[13]	Mascot	
	1914.9152	1914.9323	0.0171	9	4599	4615	GTSTKNLDHDLLEEVNSR			Mascot	
	1956.9636	1957.0431	0.0795	41	3838	3853	WKHMLAQIDAGWEEVK		Oxidation (M)[4]	Mascot	
	2117.0178	2117.1763	0.1585	75	863	880	SSSLHRLLEDLIQESMDEK			Mascot	
	2211.1301	2211.1069	-0.0232	-10	6571	6590	STVMVRVGGGWALDE FLVK		Oxidation (M)[4]	Mascot	
	2245.1204	2245.2681	0.1477	66	6225	6245	ATSMGEAILSICHPDSITTI K		Carbamidomethyl (C)[12]	Mascot	
	2330.1003	2330.0193	-0.081	-35	2505	2524	SYLNELIQMKMDGASLDE TR		Oxidation (M)[9]	Mascot	
	2409.1021	2409.2058	0.1037	43	2270	2290	CILSVNDASRLGMLDDEE AER		Carbamidomethyl (C)[1], Oxidation (M)[13]	Mascot	
	2745.4451	2745.3684	-0.0767	-28	1778	1802	ARLTVDEAVQCGLISSSS ALLVLER		Carbamidomethyl (C)[11]	Mascot	
	2761.4229	2761.3696	-0.0533	-19	5370	5392	AVQDKLDQMVFLWTDIQ ALLEER			Mascot	
	2774.4604	2774.3843	-0.0761	-27	1780	1804	LTVDEAVQCGLISSSSAL LVLERQK		Carbamidomethyl (C)[9]	Mascot	
	2775.2158	2775.375	0.1592	57	1048	1071	DSESEVFTMADCAQLE KEVLACK		Carbamidomethyl (C)[13,23]	Mascot	
	2775.2158	2775.375	0.1592	57	1048	1071	DSESEVFTMADCAQLE KEVLACK		Carbamidomethyl (C)[13,23]	Mascot	
	2790.4026	2790.3848	-0.0178	-6	5396	5418	LLDVMDLAEKFWCDHCA LIVTIK		Carbamidomethyl (C)[13,16]	Mascot	
	2791.2107	2791.3799	0.1692	61	1048	1071	DSESEVFTMADCAQLE KEVLACK		Carbamidomethyl (C)[13,23], Oxidation (M)[10]	Mascot	
	2791.2107	2791.3799	0.1692	61	1048	1071	DSESEVFTMADCAQLE KEVLACK		Carbamidomethyl (C)[13,23], Oxidation (M)[10]	Mascot	
30	novel protein containing tubulin-binding domains (zgc:103474) [Danio rerio]				gi 169158330		41021.7	10.38	10	44	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4227	842.5081	0.0854	101	228	234	TDHRTGR					Mascot
1093.4943	1093.5375	0.0432	40	118	127	SDIQTCSPSR					Mascot
1169.6538	1169.6106	-0.0432	-37	159	168	LPFSVARHSR					Mascot
1169.6538	1169.6106	-0.0432	-37	159	168	LPFSVARHSR					Mascot
1221.5892	1221.6406	0.0514	42	118	128	SDIQTCSPSRK					Mascot
1297.7587	1297.709	-0.0497	-38	183	194	SSLPRPASILTR					Mascot
1332.6251	1332.676	0.0509	38	235	247	SHSATGTESGRSR					Mascot
1410.7172	1410.705	-0.0122	-9	137	148	HRPRTQHHACVK					Mascot
1410.7172	1410.705	-0.0122	-9	137	148	HRPRTQHHACVK					Mascot
1566.8182	1566.8074	-0.0108	-7	137	149	HRPRTQHHACVKR					Mascot
1914.9702	1914.9323	-0.0379	-20	354	370	IDLSHVTSKCGSLDNIR			Carbamidomethyl (C)[10]		Mascot
2774.3162	2774.3843	0.0681	25	248	275	SARSGTSTPHTPGSTAIT					Mascot

31	hypothetical protein LOC569254 [Danio rerio]	gi 165972439	55925.1	6.95	11	44	0
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3665	807.3972	0.0307	38	333	338	QLMDER			Oxidation (M)[3]		Mascot
807.4215	807.3972	-0.0243	-30	466	471	LMEMKR					Mascot
961.5499	961.5276	-0.0223	-23	228	235	LLQATCKK			Carbamidomethyl (C)[6]		Mascot
1153.5485	1153.5552	0.0067	6	389	398	SFAELTDQSR					Mascot
1298.7289	1298.6567	-0.0722	-56	67	77	LASVVFYCLRK					Mascot
1414.7471	1414.8127	0.0656	46	144	155	QQLSPSKPITCR			Carbamidomethyl (C)[11]		Mascot
1481.6941	1481.7289	0.0348	23	422	435	SVYTDDCLGPGNLK					Mascot
2260.1001	2260.0803	-0.0198	-9	1	18	MLCSDQNFDIAQVIRFFR			Carbamidomethyl (C)[3]		Mascot
2276.095	2276.0759	-0.0191	-8	1	18	MLCSDQNFDIAQVIRFFR			Carbamidomethyl (C)[3], Oxidation (M)[1]		Mascot
2330.2073	2330.0193	-0.188	-81	136	155	WLAHYSSKQQLSPSKPITCR					Mascot
2409.1907	2409.2058	0.0151	6	236	255	FYQFCSEQGIALSKQNFTLK			Carbamidomethyl (C)[5]		Mascot
2727.4426	2727.3708	-0.0718	-26	111	135	VPVYGMKLPTGFQLIGQVGLSDYTK			Oxidation (M)[6]		Mascot

32	ELAV (embryonic lethal, abnormal vision, <i>Drosophila</i>)-like 4 (Hu antigen D) [Danio rerio]	gi 159571092	16088	6.26	6	42	0
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1194.5573	1194.5858	0.0285	24	2	11	VMGSTETQWR					Mascot
1194.5573	1194.5858	0.0285	24	2	11	VMGSTETQWR					Mascot
1325.5977	1325.6486	0.0509	38	1	11	MVMGSTETQWR					Mascot
1414.7649	1414.8127	0.0478	34	128	140	DAEKAINTLNGLR					Mascot
1426.6882	1426.6992	0.011	8	93	105	SLFGSIGEIESCK			Carbamidomethyl (C)[12]		Mascot
1426.6882	1426.6992	0.011	8	93	105	SLFGSIGEIESCK			Carbamidomethyl (C)[12]		Mascot
2774.2832	2774.3843	0.1011	36	32	58	MIISNMEPQVTNGPNSAT ANGPSSNSR					Mascot
2790.3337	2790.3848	0.0511	18	1	24	MVMGSTETQWRQADLP QLQGWAEEK					Mascot

33	myeloid/lymphoid or mixed-lineage leukemia protein [Danio rerio]	gi 86129850	127802.9	8.91	20	41	0
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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803.4144	803.4349	0.0205	26	1114	1120	LGEEEDIK					Mascot
807.4392	807.3972	-0.042	-52	459	465	KANSMLK			Oxidation (M)[5]		Mascot
807.4392	807.3972	-0.042	-52	459	465	KANSMLK			Oxidation (M)[5]		Mascot
961.4594	961.5276	0.0682	71	276	284	GNLCPLCNK					Mascot
1077.5609	1077.5587	-0.0022	-2	202	210	TKQLECDK					Mascot
1093.5646	1093.5375	-0.0271	-25	234	242	VWVCTKCVR					Mascot
1169.5771	1169.6106	0.0335	29	755	764	LFPVGYQCSR					Mascot
1169.5771	1169.6106	0.0335	29	755	764	LFPVGYQCSR					Mascot
1194.5077	1194.5858	0.0781	65	189	197	CRFCHVCGR			Carbamidomethyl (C)[1,4]		Mascot
1194.7028	1194.5858	-0.117	-98	64	73	CVQPLKPKPK			Carbamidomethyl (C)[1]		Mascot
1221.5714	1221.6406	0.0692	57	204	212	QLLECDKCR			Carbamidomethyl (C)[5,8]		Mascot
1297.6721	1297.709	0.0369	28	754	764	KLFPVGYQCSR					Mascot
1298.6448	1298.6567	0.0119	9	894	905	HSTSSISAQQPR					Mascot
1426.726	1426.6992	-0.0268	-19	683	693	VYCQHHKDLVK			Carbamidomethyl (C)[3]		Mascot
1426.726	1426.6992	-0.0268	-19	683	693	VYCQHHKDLVK			Carbamidomethyl (C)[3]		Mascot
1582.8986	1582.801	-0.0976	-62	782	795	ILVCRPPLSETLNK					Mascot
1708.7992	1708.8055	0.0063	4	1056	1071	ANPNKEGNMTSMAALK			Oxidation (M)[9,12]		Mascot
1708.7992	1708.8055	0.0063	4	1056	1071	ANPNKEGNMTSMAALK			Oxidation (M)[9,12]		Mascot
1863.9559	1863.9728	0.0169	9	443	459	IIQTAFNSDGGQLESRK					Mascot
1957.0978	1957.0431	-0.0547	-28	356	372	QVLTALFNSRTSTHLLR					Mascot
2116.8845	2117.1763	0.2918	138	583	600	QCALCLNYGDEKTNDGGR			Carbamidomethyl (C)[2,5]		Mascot
2245.0627	2245.2681	0.2054	91	1033	1053	DNDLPAGATFMSSHPLA MLPK			Oxidation (M)[11,18]		Mascot
2275.9761	2276.0759	0.0998	44	254	272	AWDAQWSDHDFSLCHDC AKR					Mascot
2330.1597	2330.0193	-0.1404	-60	1091	1113	SHDYASGPAAVVAMKPL WSSGAK					Mascot

34 PREDICTED: suppressor of IKBKE 1-like [Danio rerio] gi|125852483 24679.3 5.47 8 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
972.4996	972.4105	-0.0891	-92	45	53	EVGNTLPDK			Mascot
1123.5057	1123.5376	0.0319	28	145	153	ICEMGQVMR	Carbamidomethyl (C)[2]		Mascot
1123.5057	1123.5376	0.0319	28	145	153	ICEMGQVMR	Carbamidomethyl (C)[2]		Mascot
1169.5187	1169.6106	0.0919	79	111	119	QMLQMMMEK			Mascot
1169.5187	1169.6106	0.0919	79	111	119	QMLQMMMEK			Mascot
1297.6135	1297.709	0.0955	74	111	120	QMLQMMMEKK			Mascot

1465.7137	1465.7278	0.0141	10	1	13	MSCSLEKVLGDAR	Carbamidomethyl (C)[3]	Mascot
1481.7086	1481.7289	0.0203	14	1	13	MSCSLEKVLGDAR	Carbamidomethyl (C)[3], Oxidation (M)[1]	Mascot
1708.7418	1708.8055	0.0637	37	154	167	QAVQMDDQHYCSVK	Carbamidomethyl (C)[11]	Mascot
1708.7418	1708.8055	0.0637	37	154	167	QAVQMDDQHYCSVK	Carbamidomethyl (C)[11]	Mascot
2330.1848	2330.0193	-0.1655	-71	89	107	ELWLSLEEHQYALEIMG R		Mascot
2727.4536	2727.3708	-0.0828	-30	121	144	ELDTKPVLSLHQNHAKV QSQLGR		Mascot

35 PREDICTED: CUB domain-containing protein 1-like [Danio rerio] gi|326676403 23295.4 6.58 7 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4355	882.5669	0.1314	149	118	124	SFTWDVK					Mascot
1077.5952	1077.5587	-0.0365	-34	180	187	IQVWYRGR					Mascot
1194.5935	1194.5858	-0.0077	-6	163	173	TGPISIGSFCR			Carbamidomethyl (C)[10]		Mascot
1194.5935	1194.5858	-0.0077	-6	163	173	TGPISIGSFCR			Carbamidomethyl (C)[10]		Mascot
1362.6504	1362.6974	0.047	34	41	52	KPGQGLDCTVCK			Carbamidomethyl (C)[8,11]		Mascot
1420.7219	1420.7269	0.005	4	118	129	SFTWDVKVHSSK					Mascot
1956.9572	1957.0431	0.0859	44	125	141	VHSSKMFHLDFPAPGMR					Mascot
2828.2244	2828.332	0.1076	38	41	65	KPGQGLDCTVCKNEDSS QSCDSSLR			Carbamidomethyl (C)[8,11,20]		Mascot

36 proteasome 26S non-ATPase subunit 13 [Danio rerio] gi|239596181 30992.1 5.93 8 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4389	882.5669	0.128	145	90	97	YLGCVEAK					Mascot
1153.5935	1153.5552	-0.0383	-33	242	250	VHMTWVQPR					Mascot
1169.5885	1169.6106	0.0221	19	242	250	VHMTWVQPR			Oxidation (M)[3]		Mascot
1169.5885	1169.6106	0.0221	19	242	250	VHMTWVQPR			Oxidation (M)[3]		Mascot
1297.6833	1297.709	0.0257	20	241	250	KVHMTWVQPR			Oxidation (M)[4]		Mascot
1332.7191	1332.676	-0.0431	-32	15	26	VKASDEAVILCK			Carbamidomethyl (C)[11]		Mascot
1362.7627	1362.6974	-0.0653	-48	1	12	PNTAITFLEKTK					Mascot
1410.6471	1410.705	0.0579	41	262	272	DRLDFWCGDVK			Carbamidomethyl (C)[7]		Mascot
1410.6471	1410.705	0.0579	41	262	272	DRLDFWCGDVK			Carbamidomethyl (C)[7]		Mascot
1414.7974	1414.8127	0.0153	11	213	224	IQVNEVELLMK					Mascot
2745.4854	2745.3684	-0.117	-43	201	224	QLSFQEIAQSAKIQVNEV ELLVMK					Mascot
2761.4805	2761.3696	-0.1109	-40	201	224	QLSFQEIAQSAKIQVNEV			Oxidation (M)[23]		Mascot

37 novel protein [Danio rerio] ELLVMK
 gi|122890854 40988.8 5.14 5 39 0 26 23.912

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3665	807.3972	0.0307	38	47	53	SPAETMR	26	23.912	Oxidation (M)[6]		Mascot
807.3665	807.3972	0.0307	38	47	53	SPAETMR			Oxidation (M)[6]		Mascot
1314.6259	1314.7371	0.1112	85	156	166	YGNLTGFCLNR			Carbamidomethyl (C)[8]		Mascot
1481.6139	1481.7289	0.115	78	350	363	HAVEEQADGQPDGE					Mascot
1863.8679	1863.9728	0.1049	56	239	256	ESKDNGQTTKPSTDGNG K					Mascot
2761.4011	2761.3696	-0.0315	-11	47	71	SPAETMRELISNLSLCV PFGGLVR			Carbamidomethyl (C)[17]		Mascot

38 PREDICTED: retrotransposable element Tf2 155 kDa
 protein type 1-like [Danio rerio]

gi|326664766 171739.7 7.54 17 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
803.4522	803.4349	-0.0173	-22	1192	1197	SWINRK					Mascot
807.4359	807.3972	-0.0387	-48	705	710	NLEYIR					Mascot
807.4359	807.3972	-0.0387	-48	705	710	NLEYIR					Mascot
940.3685	940.4208	0.0523	56	851	858	CSPCQMSK			Carbamidomethyl (C)[1]		Mascot
961.5023	961.5276	0.0253	26	917	925	LPTAMETAK					Mascot
1093.5465	1093.5375	-0.009	-8	835	842	YWWPSINK					Mascot
1153.5856	1153.5552	-0.0304	-26	20	28	CKGFLQCK			Carbamidomethyl (C)[1,8]		Mascot
1194.6266	1194.5858	-0.0408	-34	695	704	HPFTVITDHK					Mascot
1194.6266	1194.5858	-0.0408	-34	695	704	HPFTVITDHK					Mascot
1221.6198	1221.6406	0.0208	17	652	661	LHPCAFYSRK					Mascot
1298.5504	1298.6567	0.1063	82	377	387	DGSLCPCIDYR			Carbamidomethyl (C)[5]		Mascot
1309.6569	1309.6708	0.0139	11	1	12	MTSGARLAFPDK			Oxidation (M)[1]		Mascot
1362.8354	1362.6974	-0.138	-101	1305	1317	SKVAFVITLLSGK					Mascot
1426.6454	1426.6992	0.0538	38	376	387	KDGLCPCIDYR	4	0	Carbamidomethyl (C)[8]		Mascot
1426.6848	1426.6992	0.0144	10	934	945	YYGLPEDIVSDR					Mascot
1956.8976	1957.0431	0.1455	74	843	858	DVINFINKCSPCQMSK			Carbamidomethyl (C)[9,12], Oxidation (M)[14]		Mascot
2260.0464	2260.0803	0.0339	15	1054	1072	NCEEVWNAATHLSHAV WR					Mascot
2745.2949	2745.3684	0.0735	27	982	1003	LNQEIGRFLHTYCHSNQN EWAK			Carbamidomethyl (C)[13]		Mascot
2775.3923	2775.375	-0.0173	-6	45	70	IAFVCSLLTGKALDWATA					Mascot

2775.3923

2775.375

-0.0173

-6

45

FDHPEGGR

IAFVCSLLTGKALDWATA

FDHPEGGR

70

Mascot

39

v-raf-1 murine leukemia viral oncogene homolog 1a [Danio rerio]

gi|289449304

70289

9.46

11

38

0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
882.4791	882.5669	0.0878	99	215	222	IPSSSVHR				Mascot
1078.5714	1078.4987	-0.0727	-67	534	542	DQIIFMVGR				Mascot
1362.6471	1362.6974	0.0503	37	430	441	QTAQGMDYLHAK				Mascot
1464.6383	1464.7013	0.063	43	33	46	SPAPCQSRSSDDSK				Mascot
1566.8171	1566.8074	-0.0097	-6	381	393	HVNILLFMGYMTK				Mascot
1582.812	1582.801	-0.011	-7	381	393	HVNILLFMGYMTK			Oxidation (M)[8]	Mascot
1915.0396	1914.9323	-0.1073	-56	2	18	EQLQGAWRTVTNGLLTK				Mascot
2144.0249	2144.1345	0.1096	51	607	626	ASQSEDISSCTLTSMKLPVF				Mascot
2211.0908	2211.1069	0.0161	7	81	99	VRGLQPECCAVFSLHPGQR			Carbamidomethyl (C)[8,9]	Mascot
2775.5403	2775.375	-0.1653	-60	571	594	SKDERPLFPQILSSIELLQHSLPK				Mascot
2775.5403	2775.375	-0.1653	-60	571	594	SKDERPLFPQILSSIELLQHSLPK				Mascot
2828.4148	2828.332	-0.0828	-29	473	497	ARWSGSQQVEQPSGSILWMAPEVIR			Oxidation (M)[19]	Mascot
2866.5542	2866.2932	-0.261	-91	53	77	VFLPNQQRTVVNVRPGMTLHSLIK			Oxidation (M)[17]	Mascot

40

hypothetical protein LOC777712 [Danio rerio]

gi|118150536

102799.2

5.2

8

38

0

24

0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3665	807.3972	0.0307	38	598	604	SPAETMR	26	23.912	Oxidation (M)[6]		Mascot
807.3917	807.3972	0.0055	7	378	384	DADIMVK			Oxidation (M)[5]		Mascot
1169.6599	1169.6106	-0.0493	-42	397	406	SIKVTMSYIK					Mascot
1169.6599	1169.6106	-0.0493	-42	397	406	SIKVTMSYIK					Mascot
1314.6259	1314.7371	0.1112	85	707	717	YGNLTGFCLNR			Carbamidomethyl (C)[8]		Mascot
1481.6139	1481.7289	0.115	78	901	914	HAVEEQADGQPDGE					Mascot
1708.8727	1708.8055	-0.0672	-39	364	377	FLDGKALIEMVDWR			Oxidation (M)[10]		Mascot
1708.8727	1708.8055	-0.0672	-39	364	377	FLDGKALIEMVDWR			Oxidation (M)[10]		Mascot
1863.8679	1863.9728	0.1049	56	790	807	ESKDNGQTTKPSTDGNGK					Mascot
2761.4011	2761.3696	-0.0315	-11	598	622	SPAETMRELISNLSDL CV PFGGLVR			Carbamidomethyl (C)[17]		Mascot

41 CTAGE family, member 5 [Danio rerio] gi|41053471 77796.7 5.5 10 36 0 15 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
940.4734	940.4208	-0.0526	-56	264	271	EDLHEGIK					Mascot
1123.5187	1123.5376	0.0189	17	157	165	LSELEEEMK			Oxidation (M)[8]		Mascot
1123.5187	1123.5376	0.0189	17	157	165	LSELEEEMK			Oxidation (M)[8]		Mascot
1181.6174	1181.5896	-0.0278	-24	375	384	KAHDNWLAAR					Mascot
1181.6174	1181.5896	-0.0278	-24	375	384	KAHDNWLAAR	15	0			Mascot
1216.5878	1216.5681	-0.0197	-16	134	143	EEHTMLLESK					Mascot
1282.6711	1282.645	-0.0261	-20	13	23	CKVLETFSEVK					Mascot
1309.4969	1309.6708	0.1739	133	170	181	SHAGMMEDCANK			Oxidation (M)[5]		Mascot
1325.4918	1325.6486	0.1568	118	170	181	SHAGMMEDCANK			Oxidation (M)[5,6]		Mascot
1420.6849	1420.7269	0.042	30	29	41	LESTLQNNGMSAR					Mascot
1956.8794	1957.0431	0.1637	84	487	504	SGPHSDSGSLSPSWDRE R					Mascot
2144.1079	2144.1345	0.0266	12	624	643	GPHVLPGMGRGPLPPG MFPR					Mascot
2260.0632	2260.0803	0.0171	8	584	604	MGPLPPPGPPLMSMPPP MDPR			Oxidation (M)[1, 12, 14]		Mascot
2276.0581	2276.0759	0.0178	8	584	604	MGPLPPPGPPLMSMPPP MDPR			Oxidation (M)[1, 12, 14, 18]		Mascot

42 novel protein containing tubulin-binding domains (zgc:103474) [Danio rerio]

gi|169158329 64444.3 8.39 11 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4359	807.3972	-0.0387	-48	493	498	LDFREK					Mascot
807.4359	807.3972	-0.0387	-48	493	498	LDFREK					Mascot
972.5234	972.4105	-0.1129	-116	479	487	HRPGGGHVR					Mascot
1093.4943	1093.5375	0.0432	40	245	254	SDIQTCSPSR					Mascot
1169.6538	1169.6106	-0.0432	-37	286	295	LPFSVARHSR					Mascot
1169.6538	1169.6106	-0.0432	-37	286	295	LPFSVARHSR					Mascot
1221.5892	1221.6406	0.0514	42	245	255	SDIQTCSPSRK					Mascot
1297.7587	1297.709	-0.0497	-38	310	321	SSLPRPASILTR					Mascot
1410.7172	1410.705	-0.0122	-9	264	275	HRPTQHHACVK					Mascot
1410.7172	1410.705	-0.0122	-9	264	275	HRPTQHHACVK					Mascot
1566.8182	1566.8074	-0.0108	-7	264	276	HRPTQHHACVKR					Mascot
1914.9702	1914.9323	-0.0379	-20	462	478	IDLSHVTSKCGSLDNIR			Carbamidomethyl (C)[10]		Mascot

	2245.157	2245.2681	0.1111	49	535	556	VDHGAEIVETLGLSGGT SPHR						Mascot
	2774.3162	2774.3843	0.0681	25	356	383	SARSGTSTPHTPGSTAIT PGTPPSYSCR						Mascot
43	PREDICTED: inositol 1,4,5-trisphosphate receptor type 1 [Danio rerio]												
						gi 326671949	313404	5.75	23	35	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
803.3967	803.4349	0.0382	48	1411	1417	DCIPEVK					Mascot
972.4971	972.4105	-0.0866	-89	1853	1859	VFYERMK					Mascot
1077.4781	1077.5587	0.0806	75	250	257	FLTCDEHR			Carbamidomethyl (C)[4]		Mascot
1078.564	1078.4987	-0.0653	-61	1593	1600	DYRNIER					Mascot
1093.5525	1093.5375	-0.015	-14	2466	2474	DDFILTVDR					Mascot
1153.5492	1153.5552	0.006	5	2487	2497	MGEFLAGAVCR					Mascot
1169.5442	1169.6106	0.0664	57	2487	2497	MGEFLAGAVCR			Oxidation (M)[1]		Mascot
1169.5442	1169.6106	0.0664	57	2487	2497	MGEFLAGAVCR			Oxidation (M)[1]		Mascot
1186.5773	1186.6426	0.0653	55	793	802	DPQEQVMPVK			Oxidation (M)[7]		Mascot
1216.6168	1216.5681	-0.0487	-40	714	724	ELAQDAKEGQK					Mascot
1282.6976	1282.645	-0.0526	-41	2367	2377	VIFLMSFVGNR					Mascot
1284.7383	1284.6288	-0.1095	-85	1730	1740	SEALRQVLVNR					Mascot
1297.6392	1297.709	0.0698	54	2487	2498	MGEFLAGAVCRK			Oxidation (M)[1]		Mascot
1298.6925	1298.6567	-0.0358	-28	2367	2377	VIFLMSFVGNR			Oxidation (M)[5]		Mascot
1309.6667	1309.6708	0.0041	3	2696	2706	SLQEKLESTMK			Oxidation (M)[10]		Mascot
1314.6702	1314.7371	0.0669	51	1741	1751	YYGNFKPGGRR					Mascot
1414.7358	1414.8127	0.0769	54	1394	1405	CNSLLPLDDIVR			Carbamidomethyl (C)[1]		Mascot
1448.7704	1448.7032	-0.0672	-46	1867	1880	ATVTVNTSDLGSKR					Mascot
1481.7634	1481.7289	-0.0345	-23	1120	1131	SNVEKSELWVYK					Mascot
1914.777	1914.9323	0.1553	81	1133	1151	QGDEGMDGGDGLPAES DHK					Mascot
2260.1311	2260.0803	-0.0508	-22	1947	1965	NQDENEMSVIITIMQPILR			Oxidation (M)[7]		Mascot
2276.126	2276.0759	-0.0501	-22	1947	1965	NQDENEMSVIITIMQPILR			Oxidation (M)[7,14]		Mascot
2330.2449	2330.0193	-0.2256	-97	1898	1918	DVAVITEEVREQLLEAST VTK					Mascot
2774.3198	2774.3843	0.0645	23	1363	1386	MDENSPLMYHIHLVELLA VCTEGK			Oxidation (M)[1,8]		Mascot
2775.2004	2775.375	0.1746	63	2499	2523	EENCSTETMMDAVGVQS SALVIEDK			Carbamidomethyl (C)[4], Oxidation (M)[9,10]		Mascot
2775.2004	2775.375	0.1746	63	2499	2523	EENCSTETMMDAVGVQS SALVIEDK			Carbamidomethyl (C)[4], Oxidation (M)[9,10]		Mascot
2790.4243	2790.3848	-0.0395	-14	583	606	FMQKQIGYDVLAEEDITA LLHNNR					Mascot

	2866.4517	2866.2932	-0.1585	-55	1770	1795	TPAVISEGLWSRGELSLA EVQCHLDR										Mascot
44	envelope protein [Danio rerio]				gi 21070180		71243.1	8.23	12	35	0						
Peptide Information																	
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type			
	803.4006	803.4349	0.0343	43	125	131	ADSIQNR							Mascot			
	807.3882	807.3972	0.009	11	427	433	GVPDEYK							Mascot			
	807.3882	807.3972	0.009	11	427	433	GVPDEYK							Mascot			
	1062.5426	1062.4989	-0.0437	-41	550	560	ASSGIENAVSK							Mascot			
	1153.5485	1153.5552	0.0067	6	404	413	SVNSDFDLTR							Mascot			
	1186.6434	1186.6426	-0.0008	-1	382	392	VAVPMVMIGNR							Mascot			
	1298.5874	1298.6567	0.0693	53	561	570	WLSDMFGEWK							Mascot			
	1309.6495	1309.6708	0.0213	16	403	413	RSVNSDFDLTR							Mascot			
	1314.5823	1314.7371	0.1548	118	561	570	WLSDMFGEWK				Oxidation (M)[5]			Mascot			
	1465.6848	1465.7278	0.043	29	369	381	IEPTMEGVCAMIR				Oxidation (M)[5]			Mascot			
	1481.6797	1481.7289	0.0492	33	369	381	IEPTMEGVCAMIR				Oxidation (M)[5,11]			Mascot			
	1914.8182	1914.9323	0.1141	60	56	71	DGMWQFDLCQVIDCGK				Carbamidomethyl (C)[9]			Mascot			
	2260.0022	2260.0803	0.0781	35	335	353	EWCGQMIQEGHDKLGG WGR				Carbamidomethyl (C)[3], Oxidation (M)[6]			Mascot			
	2409.1899	2409.2058	0.0159	7	286	308	NCTALSNLYPPAGNKSS MGVALK				Carbamidomethyl (C)[2], Oxidation (M)[18]			Mascot			
	2774.2251	2774.3843	0.1592	57	510	536	GGVCSMFLDTCCTIIPNN TAPDGSVSR				Oxidation (M)[6]			Mascot			
45	PREDICTED: gastrula zinc finger protein XICGF57.1-like [Danio rerio]				gi 326680865		30821.8	9.88	10	35	0						
Peptide Information																	
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type			
	972.4025	972.4105	0.008	8	12	19	FTCTQCGR				Carbamidomethyl (C)[3]			Mascot			
	1153.5959	1153.5552	-0.0407	-35	104	113	SFNRSSTLNK							Mascot			
	1181.6022	1181.5896	-0.0126	-11	244	253	SFRQSSSLNR							Mascot			
	1181.6022	1181.5896	-0.0126	-11	244	253	SFRQSSSLNR	1		0				Mascot			
	1298.5868	1298.6567	0.0699	54	177	187	EKPFTCTQCGK				Carbamidomethyl (C)[6]			Mascot			
	1362.6041	1362.6974	0.0933	68	12	23	FTCTQCGRSFR							Mascot			
	2211.0432	2211.1069	0.0637	29	33	51	IHTGEKPFTCTQCGKSFG R				Carbamidomethyl (C)[10,13]			Mascot			
	2260.0784	2260.0803	0.0019	1	29	47	IHMRIHTGEKPFTCTQCG K				Carbamidomethyl (C)[14], Oxidation (M)[3]			Mascot			
	2276.0442	2276.0759	0.0317	14	57	75	IHMMIHTGEKPFTCTQCG K				Carbamidomethyl (C)[14,17]			Mascot			

	2727.2986	2727.3708	0.0722	26	53	75	GHLKIHMMIHTGEKPFTCTQCGK						Carbamidomethyl (C)[18,21], Oxidation (M)[7]	Mascot
	2791.3179	2791.3799	0.062	22	145	169	IHTGEKPFTCTQCGKSFSQSSYLNK							Mascot
	2791.3179	2791.3799	0.062	22	145	169	IHTGEKPFTCTQCGKSFSQSSYLNK							Mascot
46	PREDICTED: dual specificity tyrosine-phosphorylation-regulated kinase 4 [Danio rerio]				gi 189537435		72212.8	8.96	11	34	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.5081	-0.0125	-15	259	265	ILDAVRR					Mascot
961.4811	961.5276	0.0465	48	488	495	CLVWDPTK					Mascot
1093.5598	1093.5375	-0.0223	-20	1	9	MPYDLVLK					Mascot
1181.5619	1181.5896	0.0277	23	44	53	IGPNCTYTQK			Carbamidomethyl (C)[5]		Mascot
1181.5619	1181.5896	0.0277	23	44	53	IGPNCTYTQK			Carbamidomethyl (C)[5]		Mascot
1186.6071	1186.6426	0.0355	30	325	333	CLQMLHKEK			Carbamidomethyl (C)[1]		Mascot
1194.5459	1194.5858	0.0399	33	15	24	SDMFPEINNK					Mascot
1194.5459	1194.5858	0.0399	33	15	24	SDMFPEINNK					Mascot
1221.6738	1221.6406	-0.0332	-27	249	258	FHHQALVELK					Mascot
1464.6866	1464.7013	0.0147	10	152	162	HFQNQLTEYER					Mascot
1481.6737	1481.7289	0.0552	37	267	278	DRDNCHNVIHMK					Mascot
2330.0652	2330.0193	-0.0459	-20	497	515	MTPDEAMQHEWITEGRLNR			Oxidation (M)[1]		Mascot
2409.3169	2409.2058	-0.1111	-46	54	77	CGTGVGTLPQLEAPVKQVLVTNGK					Mascot

47	PREDICTED: gastrula zinc finger protein XICGF57.1-like [Danio rerio]				gi 326666728		33351.9	9.4	10	34	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
972.4025	972.4105	0.008	8	33	40	FTCTQCGR			Carbamidomethyl (C)[3]		Mascot
1153.5959	1153.5552	-0.0407	-35	125	134	SFNRSSLNKL					Mascot
1181.6022	1181.5896	-0.0126	-11	265	274	SFRQSSSLNR					Mascot
1181.6022	1181.5896	-0.0126	-11	265	274	SFRQSSSLNR	1	0			Mascot
1298.5868	1298.6567	0.0699	54	198	208	EKPFTCTQCGK			Carbamidomethyl (C)[6]		Mascot
1362.6041	1362.6974	0.0933	68	33	44	FTCTQCGRSFGR					Mascot
2211.0432	2211.1069	0.0637	29	54	72	IHTGEKPFTCTQCGKSFG			Carbamidomethyl (C)[10,13]		Mascot
2260.0784	2260.0803	0.0019	1	50	68	IHMRIHTGEKPFTCTQCG			Carbamidomethyl (C)[14], Oxidation (M)[3]		Mascot

	2276.0442	2276.0759	0.0317	14	78	96	IHMMIHTGEKPFTCTQCGK		Carbamidomethyl (C)[14,17]	Mascot
	2727.2986	2727.3708	0.0722	26	74	96	GHLKIHMHIHTGEKPFTCTQCGK		Carbamidomethyl (C)[18,21], Oxidation (M)[7]	Mascot
	2791.3179	2791.3799	0.062	22	166	190	IHTGEKPFTCTQCGKSFSQSSYLNK			Mascot
	2791.3179	2791.3799	0.062	22	166	190	IHTGEKPFTCTQCGKSFSQSSYLNK			Mascot

48 PREDICTED: sickle tail protein homolog [Danio rerio] gi|292610753 206402.5 8.61 1 26 24.087

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1426.7438	1426.6992	-0.0446	-31	1098	1110	RFYPSATGLTTGR	26	24.087		1	Mascot

49 methyltransferase-like protein 6 [Danio rerio] gi|156255178 33114.8 6.9 1 23 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.461	807.3972	-0.0638	-79	41	47	VLVSDFK	23	0		3	Mascot

50 PREDICTED: protein NLRC3 [Danio rerio] gi|189518407 86113.2 5.96 1 20 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.4028	807.3972	-0.0056	-7	672	678	SDVALMR	20	0	Oxidation (M)[6]	4	Mascot

Gel Idx/Pos	204/I4	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	type I cytoke ... keratin, enveloping layer [Danio rerio]	gi 18858519	46655.7	5.13	22	379	100	198	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
803.4369	803.4296	-0.0073	-9	17	25	LSVGGGASR					Mascot
807.3995	807.3951	-0.0044	-5	162	168	LAADDFR					Mascot
1062.4998	1062.4937	-0.0061	-6	84	92	ATMQNLNDR					Mascot
1077.5609	1077.5499	-0.011	-10	191	199	VLDELTMTTR					Mascot

	1078.4946	1078.4968	0.0022	2	84	92	ATMQNLNDR										Oxidation (M)[3]		Mascot
	1093.5558	1093.5265	-0.0293	-27	191	199	VLDELTMTTR	1	0								Oxidation (M)[7]		Mascot
	1093.5558	1093.5265	-0.0293	-27	191	199	VLDELTMTTR										Oxidation (M)[7]		Mascot
	1153.5558	1153.5513	-0.0045	-4	375	383	LEMEIAEYR												Mascot
	1169.5507	1169.6079	0.0572	49	375	383	LEMEIAEYR										Oxidation (M)[3]		Mascot
	1181.5909	1181.5851	-0.0058	-5	219	228	NHEEELLAAR												Mascot
	1186.6426	1186.6383	-0.0043	-4	179	189	QSVEADIVGLR	74	99.999										Mascot
	1186.6426	1186.6383	-0.0043	-4	179	189	QSVEADIVGLR												Mascot
	1194.5861	1194.5823	-0.0038	-3	31	44	AGSVYGGAGGSGVR												Mascot
	1194.5861	1194.5823	-0.0038	-3	31	44	AGSVYGGAGGSGVR	79	100										Mascot
	1221.6508	1221.475	-0.1758	-144	190	199	KVLDELTMTTR										Oxidation (M)[8]		Mascot
	1221.6508	1221.475	-0.1758	-144	190	199	KVLDELTMTTR										Oxidation (M)[8]		Mascot
	1268.6304	1268.6265	-0.0039	-3	169	178	VKYENELSMR												Mascot
	1284.6252	1284.6198	-0.0054	-4	169	178	VKYENELSMR										Oxidation (M)[9]		Mascot
	1309.6569	1309.6635	0.0066	5	375	384	LEMEIAEYRR												Mascot
	1314.7375	1314.7285	-0.009	-7	179	190	QSVEADIVGLRK												Mascot
	1325.6517	1325.6202	-0.0315	-24	375	384	LEMEIAEYRR										Oxidation (M)[3]		Mascot
	1332.6754	1332.6663	-0.0091	-7	320	332	ASLEGLTADTQAR												Mascot
	1410.7046	1410.7004	-0.0042	-3	373	383	TRLEMEIAEYR	45	99.112										Mascot
	1410.7046	1410.7004	-0.0042	-3	373	383	TRLEMEIAEYR												Mascot
	1414.8151	1414.8075	-0.0076	-5	402	414	KVVTIVEEVVDGK												Mascot
	1420.7278	1420.7194	-0.0084	-6	283	295	EVAVSTETLQTSR												Mascot
	1426.6995	1426.6937	-0.0058	-4	373	383	TRLEMEIAEYR										Oxidation (M)[5]		Mascot
	1426.6995	1426.6937	-0.0058	-4	373	383	TRLEMEIAEYR	24	0								Oxidation (M)[5]		Mascot
	1465.7356	1465.7231	-0.0125	-9	361	372	QGQEYQMLLDIK												Mascot
	1481.7305	1481.72	-0.0105	-7	361	372	QGQEYQMLLDIK										Oxidation (M)[7]		Mascot
	1708.8064	1708.7949	-0.0115	-7	128	142	DYSAYYATISDLQAK												Mascot
	1863.9731	1863.9349	-0.0382	-20	304	319	TLQSLEIELQSLSMK										Oxidation (M)[15]		Mascot
	1961.0801	1960.9036	-0.1765	-90	403	421	VVTIVEEVVDGKVVSSSS K												Mascot
	2117.1741	2117.155	-0.0191	-9	200	217	SDLELQIEGLKEELIFLK												Mascot
	2225.0867	2225.1045	0.0178	8	171	189	YENELSMRQSVEADIVGL R										Oxidation (M)[7]		Mascot
2	type I cytokeratin, enveloping layer [Danio rerio]					gi 94732411	40437.7	5.15	21	378	100	198	100						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
803.4369	803.4296	-0.0073	-9	17	25	LSVGGGASR						Mascot

		807.3995	807.3951	-0.0044	-5	100	106	LAADDFR						Mascot
		1077.5609	1077.5499	-0.011	-10	129	137	VLDELTMTR						Mascot
		1093.5558	1093.5265	-0.0293	-27	129	137	VLDELTMTR	1	0	Oxidation (M)[7]			Mascot
		1093.5558	1093.5265	-0.0293	-27	129	137	VLDELTMTR			Oxidation (M)[7]			Mascot
		1153.5558	1153.5513	-0.0045	-4	313	321	LEMEIAEYR						Mascot
		1169.5507	1169.6079	0.0572	49	313	321	LEMEIAEYR			Oxidation (M)[3]			Mascot
		1181.5909	1181.5851	-0.0058	-5	157	166	NHEEEELLAAR						Mascot
		1186.6426	1186.6383	-0.0043	-4	117	127	QSVEADIVGLR	74	99.999				Mascot
		1186.6426	1186.6383	-0.0043	-4	117	127	QSVEADIVGLR						Mascot
		1194.5861	1194.5823	-0.0038	-3	31	44	AGSVYGGAGGSGVR						Mascot
		1194.5861	1194.5823	-0.0038	-3	31	44	AGSVYGGAGGSGVR	79	100				Mascot
		1221.6508	1221.475	-0.1758	-144	128	137	KVLDELTMTTR			Oxidation (M)[8]			Mascot
		1221.6508	1221.475	-0.1758	-144	128	137	KVLDELTMTTR			Oxidation (M)[8]			Mascot
		1268.6304	1268.6265	-0.0039	-3	107	116	VKYENELSMR						Mascot
		1284.6252	1284.6198	-0.0054	-4	107	116	VKYENELSMR			Oxidation (M)[9]			Mascot
		1309.6569	1309.6635	0.0066	5	313	322	LEMEIAEYRR						Mascot
		1314.7375	1314.7285	-0.009	-7	117	128	QSVEADIVGLRK						Mascot
		1325.6517	1325.6202	-0.0315	-24	313	322	LEMEIAEYRR			Oxidation (M)[3]			Mascot
		1332.6754	1332.6663	-0.0091	-7	258	270	ASLEGTLADTQAR						Mascot
		1410.7046	1410.7004	-0.0042	-3	311	321	TRLEMEIAEYR	45	99.112				Mascot
		1410.7046	1410.7004	-0.0042	-3	311	321	TRLEMEIAEYR						Mascot
		1414.8151	1414.8075	-0.0076	-5	340	352	KVVTIVEEVVDGK						Mascot
		1420.7278	1420.7194	-0.0084	-6	221	233	EVAVSTETLQTSR						Mascot
		1426.6995	1426.6937	-0.0058	-4	311	321	TRLEMEIAEYR			Oxidation (M)[5]			Mascot
		1426.6995	1426.6937	-0.0058	-4	311	321	TRLEMEIAEYR	24	0	Oxidation (M)[5]			Mascot
		1465.7356	1465.7231	-0.0125	-9	299	310	QGQEYQMLLDIK						Mascot
		1481.7305	1481.72	-0.0105	-7	299	310	QGQEYQMLLDIK			Oxidation (M)[7]			Mascot
		1708.8064	1708.7949	-0.0115	-7	66	80	DYSAYYATISDLQAK						Mascot
		1863.9731	1863.9349	-0.0382	-20	242	257	TLQSLEIELQSQLSMK			Oxidation (M)[15]			Mascot
		1961.0801	1960.9036	-0.1765	-90	341	359	VVTIVEEVVDGKVSSSS K						Mascot
		2117.1741	2117.155	-0.0191	-9	138	155	SDLELQIEGLKEELIFLK						Mascot
		2225.0867	2225.1045	0.0178	8	109	127	YENELSMRQSVEADIVGL R			Oxidation (M)[7]			Mascot
3	type I cytokeratin, enveloping layer, like [Danio rerio]					gil 130504059		46617.6	5.13	21	366	100	198	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	807.3995	807.3951	-0.0044	-5	162	168	LAADDFR											Mascot
	1062.4998	1062.4937	-0.0061	-6	84	92	ATMQNLNDR											Mascot
	1077.5609	1077.5499	-0.011	-10	191	199	VLDELTMTTR											Mascot
	1078.4946	1078.4968	0.0022	2	84	92	ATMQNLNDR						Oxidation (M)[3]					Mascot
	1093.5558	1093.5265	-0.0293	-27	191	199	VLDELTMTTR	1		0			Oxidation (M)[7]					Mascot
	1093.5558	1093.5265	-0.0293	-27	191	199	VLDELTMTTR						Oxidation (M)[7]					Mascot
	1153.5558	1153.5513	-0.0045	-4	375	383	LEMEIAEYR											Mascot
	1169.5507	1169.6079	0.0572	49	375	383	LEMEIAEYR						Oxidation (M)[3]					Mascot
	1181.5909	1181.5851	-0.0058	-5	219	228	NHEEELLAAR											Mascot
	1186.6426	1186.6383	-0.0043	-4	179	189	QSVEADIVGLR	74		99.999								Mascot
	1186.6426	1186.6383	-0.0043	-4	179	189	QSVEADIVGLR											Mascot
	1194.5861	1194.5823	-0.0038	-3	31	44	AGSVYGGAGGSGVR											Mascot
	1194.5861	1194.5823	-0.0038	-3	31	44	AGSVYGGAGGSGVR	79		100								Mascot
	1221.6508	1221.475	-0.1758	-144	190	199	KVLDELTMTTR						Oxidation (M)[8]					Mascot
	1221.6508	1221.475	-0.1758	-144	190	199	KVLDELTMTTR						Oxidation (M)[8]					Mascot
	1309.6569	1309.6635	0.0066	5	375	384	LEMEIAEYRR											Mascot
	1314.7375	1314.7285	-0.009	-7	179	190	QSVEADIVGLRK											Mascot
	1325.6517	1325.6202	-0.0315	-24	375	384	LEMEIAEYRR						Oxidation (M)[3]					Mascot
	1332.6754	1332.6663	-0.0091	-7	320	332	ASLEGLADTQAR											Mascot
	1410.7046	1410.7004	-0.0042	-3	373	383	TRLEMEIAEYR	45		99.112								Mascot
	1410.7046	1410.7004	-0.0042	-3	373	383	TRLEMEIAEYR											Mascot
	1414.8151	1414.8075	-0.0076	-5	402	414	KVVTIVEEVVDGK											Mascot
	1420.7278	1420.7194	-0.0084	-6	283	295	EVAVSTETLQTSR											Mascot
	1426.6995	1426.6937	-0.0058	-4	373	383	TRLEMEIAEYR						Oxidation (M)[5]					Mascot
	1426.6995	1426.6937	-0.0058	-4	373	383	TRLEMEIAEYR	24		0			Oxidation (M)[5]					Mascot
	1465.7356	1465.7231	-0.0125	-9	361	372	QGQEYQMLLDIK											Mascot
	1481.7305	1481.72	-0.0105	-7	361	372	QGQEYQMLLDIK						Oxidation (M)[7]					Mascot
	1708.8064	1708.7949	-0.0115	-7	128	142	DYSAYYATISDLQAK											Mascot
	1711.8345	1711.7893	-0.0452	-26	385	401	LLDGEATSVSTSSSTTR											Mascot
	1863.9731	1863.9349	-0.0382	-20	304	319	TLQSLEIELQSQLSMK						Oxidation (M)[15]					Mascot
	1961.0801	1960.9036	-0.1765	-90	403	421	VVTIVEEVVDGKVSSSS K											Mascot
	2117.1741	2117.155	-0.0191	-9	200	217	SDLELQIEGLKEELIFLK											Mascot
	2818.2913	2818.2898	-0.0015	-1	53	83	SFSAGGGAGFGGGAGA GFNLSDAIDVSTNEK											Mascot
4	hypothetical protein LOC100034647 [Danio rerio]					gi 131888757	46317.3	5.36	15	298	100	198	100					

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type	
1062.4998	1062.4937	-0.0061	-6	75	83 ATMQNLNDR					Mascot	
1077.5609	1077.5499	-0.011	-10	182	190 VLDELTMTTR					Mascot	
1078.4946	1078.4968	0.0022	2	75	83 ATMQNLNDR			Oxidation (M)[3]		Mascot	
1093.5558	1093.5265	-0.0293	-27	182	190 VLDELTMTTR	1	0	Oxidation (M)[7]		Mascot	
1093.5558	1093.5265	-0.0293	-27	182	190 VLDELTMTTR			Oxidation (M)[7]		Mascot	
1153.5558	1153.5513	-0.0045	-4	366	374 LEMEIAEYR					Mascot	
1169.5507	1169.6079	0.0572	49	366	374 LEMEIAEYR			Oxidation (M)[3]		Mascot	
1181.5909	1181.5851	-0.0058	-5	210	219 NHEEELLAAR					Mascot	
1194.5861	1194.5823	-0.0038	-3	22	35 AGSVYGGAGGSGVR					Mascot	
1194.5861	1194.5823	-0.0038	-3	22	35 AGSVYGGAGGSGVR	79	100			Mascot	
1221.6508	1221.475	-0.1758	-144	181	190 KVLDELTMTTR			Oxidation (M)[8]		Mascot	
1221.6508	1221.475	-0.1758	-144	181	190 KVLDELTMTTR			Oxidation (M)[8]		Mascot	
1309.6569	1309.6635	0.0066	5	366	375 LEMEIAEYRR					Mascot	
1325.6517	1325.6202	-0.0315	-24	366	375 LEMEIAEYRR			Oxidation (M)[3]		Mascot	
1332.6754	1332.6663	-0.0091	-7	311	323 ASLEGTLDATQAR					Mascot	
1410.7046	1410.7004	-0.0042	-3	364	374 TRLEMEIAEYR	45	99.112			Mascot	
1410.7046	1410.7004	-0.0042	-3	364	374 TRLEMEIAEYR					Mascot	
1414.8151	1414.8075	-0.0076	-5	396	408 KVVTVIEEVVDGK					Mascot	
1426.6995	1426.6937	-0.0058	-4	364	374 TRLEMEIAEYR			Oxidation (M)[5]		Mascot	
1426.6995	1426.6937	-0.0058	-4	364	374 TRLEMEIAEYR	24	0	Oxidation (M)[5]		Mascot	
1481.7329	1481.72	-0.0129	-9	376	390 LLDGEATSVSTSSSK					Mascot	
1708.8064	1708.7949	-0.0115	-7	119	133 DYSAYYATISDLQAK					Mascot	
1961.0801	1960.9036	-0.1765	-90	397	415 VVTIVEEVVDGKVSSSSK					Mascot	
2230.0657	2230.0625	-0.0032	-1	220	240 TQMGGQVNVVEVDAAPQEDLTK					Mascot	
2246.0605	2246.0596	-0.0009	0	220	240 TQMGGQVNVVEVDAAPQEDLTK			Oxidation (M)[3]		Mascot	
2246.0605	2246.0596	-0.0009	0	220	240 TQMGGQVNVVEVDAAPQEDLTK	74	99.999	Oxidation (M)[3]		Mascot	
2778.2236	2778.3147	0.0911	33	44	74 SYSAGGGAGFGGGAGAGFNLSDGIDSSANEK					Mascot	
eukaryotic translation initiation factor 4A, isoform 1A [Danio rerio]				gi 38198643	46223.7	5.26	5	271	100	257	100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank Result Type

	1453.6628	1453.66	-0.0028	-2	29	40	EIVDSFDDMNLR										Mascot
	1469.6577	1469.65	-0.0077	-5	29	40	EIVDSFDDMNLR						Oxidation (M)[9]				Mascot
	1515.7842	1515.7654	-0.0188	-12	191	202	GFKDQIYEIFQK										Mascot
	1558.87	1558.8654	-0.0046	-3	147	161	LQADVP HIVVGT PGR										Mascot
	1827.9387	1827.928	-0.0107	-6	46	61	GIYAYGF EKPSAIQQR		123	100							Mascot
	1827.9387	1827.928	-0.0107	-6	46	61	GIYAYGF EKPSAIQQR										Mascot
	2144.1345	2144.1218	-0.0127	-6	335	353	GIDVQQVSLVIN YDLPTN R		134	100							Mascot
	2144.1345	2144.1218	-0.0127	-6	335	353	GIDVQQVSLVIN YDLPTN R										Mascot
6	eukaryotic translation initiation factor 4A, isoform 1B [Danio rerio]						gi 41393175	46093.6	5.19	4	267	100	257	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1181.5367	1181.5851	0.0484	41	1	10	MSADYEGRPR					Mascot
1515.7842	1515.7654	-0.0188	-12	191	202	GFKDQIYEIFQK					Mascot
1827.9387	1827.928	-0.0107	-6	46	61	GIYAYGF EKPSAIQQR	123	100			Mascot
1827.9387	1827.928	-0.0107	-6	46	61	GIYAYGF EKPSAIQQR					Mascot
2144.1345	2144.1218	-0.0127	-6	335	353	GIDVQQVSLVIN YDLPTN R	134	100			Mascot
2144.1345	2144.1218	-0.0127	-6	335	353	GIDVQQVSLVIN YDLPTN R					Mascot

7	Eif4a1b protein [Danio rerio]						gi 157422943	48799.3	7.66	3	264	100	257	100			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1515.7842	1515.7654	-0.0188	-12	214	225	GFKDQIYEIFQK					Mascot
1827.9387	1827.928	-0.0107	-6	69	84	GIYAYGF EKPSAIQQR	123	100			Mascot
1827.9387	1827.928	-0.0107	-6	69	84	GIYAYGF EKPSAIQQR					Mascot
2144.1345	2144.1218	-0.0127	-6	358	376	GIDVQQVSLVIN YDLPTN R	134	100			Mascot
2144.1345	2144.1218	-0.0127	-6	358	376	GIDVQQVSLVIN YDLPTN R					Mascot

8	type I cytokeratin [Danio rerio]						gi 18858423	46692.5	5.38	17	207	100	94	100			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3951	-0.0044	-5	158	164	LAADDFR					Mascot

	975.5469	975.5408	-0.0061	-6	292	299	SEITELKR												Mascot
	1062.4998	1062.4937	-0.0061	-6	80	88	ATMQNLNDR												Mascot
	1077.5609	1077.5499	-0.011	-10	187	195	VLDELTMTTR												Mascot
	1078.4946	1078.4968	0.0022	2	80	88	ATMQNLNDR												Mascot
	1093.5312	1093.5265	-0.0047	-4	264	272	DLEGWFQAK	51	99.786										Mascot
	1093.5312	1093.5265	-0.0047	-4	264	272	DLEGWFQAK												Mascot
	1153.5558	1153.5513	-0.0045	-4	371	379	LEMEIAEYR												Mascot
	1169.5507	1169.6079	0.0572	49	371	379	LEMEIAEYR												Mascot
	1221.6262	1221.475	-0.1512	-124	263	272	KDLEGWFQAK												Mascot
	1221.6262	1221.475	-0.1512	-124	263	272	KDLEGWFQAK	9	0										Mascot
	1268.6304	1268.6265	-0.0039	-3	165	174	VKYENELSMR												Mascot
	1284.6252	1284.6198	-0.0054	-4	165	174	VKYENELSMR												Mascot
	1309.6569	1309.6635	0.0066	5	371	380	LEMEIAEYRR												Mascot
	1314.7124	1314.7285	0.0161	12	175	186	QSVEADIAGLRR												Mascot
	1325.6517	1325.6202	-0.0315	-24	371	380	LEMEIAEYRR												Mascot
	1332.6754	1332.6663	-0.0091	-7	316	328	ASLEGLTADTQAR												Mascot
	1410.7046	1410.7004	-0.0042	-3	369	379	TRLEMEIAEYR	45	99.112										Mascot
	1410.7046	1410.7004	-0.0042	-3	369	379	TRLEMEIAEYR												Mascot
	1414.8151	1414.8075	-0.0076	-5	398	410	KVVTIVEEVVDGK												Mascot
	1420.7278	1420.7194	-0.0084	-6	279	291	EVAVSTETLQTSR												Mascot
	1426.6995	1426.6937	-0.0058	-4	369	379	TRLEMEIAEYR												Mascot
	1426.6995	1426.6937	-0.0058	-4	369	379	TRLEMEIAEYR	24	0										Mascot
	1465.7356	1465.7231	-0.0125	-9	357	368	QGQEYQMLLDIK												Mascot
	1481.7305	1481.72	-0.0105	-7	357	368	QGQEYQMLLDIK												Mascot
	1711.8345	1711.7893	-0.0452	-26	381	397	LLDGEASSVTSSSTTR												Mascot
	1961.0801	1960.9036	-0.1765	-90	399	417	VVTIVEEVVDGKVSSSSK												Mascot
9	Zgc:109868 protein [Danio rerio]				gil120537710			47066.8	5.25	12	188	100	124	100					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
807.3995	807.3951	-0.0044	-5	158	164	LAADDFR				Mascot
1062.4998	1062.4937	-0.0061	-6	80	88	ATMQNLNDR				Mascot
1077.5609	1077.5499	-0.011	-10	187	195	VLDELTMTTR				Mascot
1078.4946	1078.4968	0.0022	2	80	88	ATMQNLNDR				Mascot
1093.5558	1093.5265	-0.0293	-27	187	195	VLDELTMTTR	1	0		Mascot
1093.5558	1093.5265	-0.0293	-27	187	195	VLDELTMTTR				Mascot

1153.5558	1153.5513	-0.0045	-4	371	379	LEMEIAEYR											Mascot
1169.5507	1169.6079	0.0572	49	371	379	LEMEIAEYR							Oxidation (M)[3]				Mascot
1194.5861	1194.5823	-0.0038	-3	32	45	AGSVYGGAGGSGVR											Mascot
1194.5861	1194.5823	-0.0038	-3	32	45	AGSVYGGAGGSGVR	79		100								Mascot
1268.6304	1268.6265	-0.0039	-3	165	174	VKYENELSMR											Mascot
1284.6252	1284.6198	-0.0054	-4	165	174	VKYENELSMR							Oxidation (M)[9]				Mascot
1309.6569	1309.6635	0.0066	5	371	380	LEMEIAEYRR											Mascot
1314.7124	1314.7285	0.0161	12	175	186	QSVEADIAGLRR											Mascot
1325.6517	1325.6202	-0.0315	-24	371	380	LEMEIAEYRR							Oxidation (M)[3]				Mascot
1332.6754	1332.6663	-0.0091	-7	316	328	ASLEGLTADTQAR											Mascot
1410.7046	1410.7004	-0.0042	-3	369	379	TRLEMEIAEYR	45		99.112								Mascot
1410.7046	1410.7004	-0.0042	-3	369	379	TRLEMEIAEYR											Mascot
1414.8151	1414.8075	-0.0076	-5	400	412	KVVTIVEEVVDGK											Mascot
1426.6995	1426.6937	-0.0058	-4	369	379	TRLEMEIAEYR							Oxidation (M)[5]				Mascot
1426.6995	1426.6937	-0.0058	-4	369	379	TRLEMEIAEYR	24		0				Oxidation (M)[5]				Mascot
1863.9731	1863.9349	-0.0382	-20	300	315	TLQSLEIELQSQLSMK							Oxidation (M)[15]				Mascot
10	cytokeratin-like [Danio rerio]			gi 62955621			47177.9	5.31	12	187	100	124	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3951	-0.0044	-5	159	165	LAADDFR					Mascot
1062.4998	1062.4937	-0.0061	-6	81	89	ATMQNLNDR					Mascot
1077.5609	1077.5499	-0.011	-10	188	196	VLDELTMTTR					Mascot
1078.4946	1078.4968	0.0022	2	81	89	ATMQNLNDR			Oxidation (M)[3]		Mascot
1093.5558	1093.5265	-0.0293	-27	188	196	VLDELTMTTR	1		0 Oxidation (M)[7]		Mascot
1093.5558	1093.5265	-0.0293	-27	188	196	VLDELTMTTR			Oxidation (M)[7]		Mascot
1153.5558	1153.5513	-0.0045	-4	372	380	LEMEIAEYR					Mascot
1169.5507	1169.6079	0.0572	49	372	380	LEMEIAEYR			Oxidation (M)[3]		Mascot
1194.5861	1194.5823	-0.0038	-3	33	46	AGSVYGGAGGSGVR					Mascot
1194.5861	1194.5823	-0.0038	-3	33	46	AGSVYGGAGGSGVR	79		100		Mascot
1268.6304	1268.6265	-0.0039	-3	166	175	VKYENELSMR					Mascot
1284.6252	1284.6198	-0.0054	-4	166	175	VKYENELSMR			Oxidation (M)[9]		Mascot
1309.6569	1309.6635	0.0066	5	372	381	LEMEIAEYRR					Mascot
1314.7124	1314.7285	0.0161	12	176	187	QSVEADIAGLRR					Mascot
1325.6517	1325.6202	-0.0315	-24	372	381	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1332.6754	1332.6663	-0.0091	-7	317	329	ASLEGLTADTQAR					Mascot

	1410.7046	1410.7004	-0.0042	-3	370	380	TRLEMEIAEYR	45	99.112					Mascot
	1410.7046	1410.7004	-0.0042	-3	370	380	TRLEMEIAEYR							Mascot
	1414.8151	1414.8075	-0.0076	-5	401	413	KVVTIVEEVVDGK							Mascot
	1426.6995	1426.6937	-0.0058	-4	370	380	TRLEMEIAEYR			Oxidation (M)[5]				Mascot
	1426.6995	1426.6937	-0.0058	-4	370	380	TRLEMEIAEYR	24	0	Oxidation (M)[5]				Mascot
	1863.9731	1863.9349	-0.0382	-20	301	316	TLQSLEIELQSQLSMK			Oxidation (M)[15]				Mascot
11	novel protein similar to type I cyto						gi 94732405	43116.8	5.22	11	182	100	124	100
	keratin, enveloping layer [Danio rerio]													

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	807.3995	807.3951	-0.0044	-5	160	166	LAADDFR							Mascot
	1062.4998	1062.4937	-0.0061	-6	82	90	ATMQNLNDR							Mascot
	1077.5609	1077.5499	-0.011	-10	189	197	VLDELTMTTR							Mascot
	1078.4946	1078.4968	0.0022	2	82	90	ATMQNLNDR				Oxidation (M)[3]			Mascot
	1093.5558	1093.5265	-0.0293	-27	189	197	VLDELTMTTR	1	0		Oxidation (M)[7]			Mascot
	1093.5558	1093.5265	-0.0293	-27	189	197	VLDELTMTTR				Oxidation (M)[7]			Mascot
	1153.5558	1153.5513	-0.0045	-4	373	381	LEMEIAEYR							Mascot
	1169.5507	1169.6079	0.0572	49	373	381	LEMEIAEYR				Oxidation (M)[3]			Mascot
	1194.5861	1194.5823	-0.0038	-3	34	47	AGSVYGGAGGSGVR							Mascot
	1194.5861	1194.5823	-0.0038	-3	34	47	AGSVYGGAGGSGVR	79	100					Mascot
	1268.6304	1268.6265	-0.0039	-3	167	176	VKYENELSMR							Mascot
	1284.6252	1284.6198	-0.0054	-4	167	176	VKYENELSMR				Oxidation (M)[9]			Mascot
	1309.6569	1309.6635	0.0066	5	373	382	LEMEIAEYRR							Mascot
	1314.7124	1314.7285	0.0161	12	177	188	QSVEADIAGLRR							Mascot
	1325.6517	1325.6202	-0.0315	-24	373	382	LEMEIAEYRR				Oxidation (M)[3]			Mascot
	1332.6754	1332.6663	-0.0091	-7	318	330	ASLEGLTADTQAR							Mascot
	1410.7046	1410.7004	-0.0042	-3	371	381	TRLEMEIAEYR	45	99.112					Mascot
	1410.7046	1410.7004	-0.0042	-3	371	381	TRLEMEIAEYR							Mascot
	1426.6995	1426.6937	-0.0058	-4	371	381	TRLEMEIAEYR				Oxidation (M)[5]			Mascot
	1426.6995	1426.6937	-0.0058	-4	371	381	TRLEMEIAEYR	24	0		Oxidation (M)[5]			Mascot
	1863.9731	1863.9349	-0.0382	-20	302	317	TLQSLEIELQSQLSMK				Oxidation (M)[15]			Mascot

12	Zgc:109868 [Danio rerio]						gi 92097956	47235.8	5.25	11	179	100	124	100
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
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		807.3995	807.3951	-0.0044	-5	160	166	LAADDFR										Mascot
		1062.4998	1062.4937	-0.0061	-6	82	90	ATMQNLNDR										Mascot
		1077.5609	1077.5499	-0.011	-10	189	197	VLDELTMTTR										Mascot
		1078.4946	1078.4968	0.0022	2	82	90	ATMQNLNDR					Oxidation (M)[3]					Mascot
		1093.5558	1093.5265	-0.0293	-27	189	197	VLDELTMTTR	1		0		Oxidation (M)[7]					Mascot
		1093.5558	1093.5265	-0.0293	-27	189	197	VLDELTMTTR					Oxidation (M)[7]					Mascot
		1153.5558	1153.5513	-0.0045	-4	373	381	LEMEIAEYR										Mascot
		1169.5507	1169.6079	0.0572	49	373	381	LEMEIAEYR					Oxidation (M)[3]					Mascot
		1194.5861	1194.5823	-0.0038	-3	34	47	AGSVYGGAGGSGVR										Mascot
		1194.5861	1194.5823	-0.0038	-3	34	47	AGSVYGGAGGSGVR	79		100							Mascot
		1268.6304	1268.6265	-0.0039	-3	167	176	VKYENELSMR										Mascot
		1284.6252	1284.6198	-0.0054	-4	167	176	VKYENELSMR					Oxidation (M)[9]					Mascot
		1309.6569	1309.6635	0.0066	5	373	382	LEMEIAEYRR										Mascot
		1314.7124	1314.7285	0.0161	12	177	188	QSVEADIAGLRR										Mascot
		1325.6517	1325.6202	-0.0315	-24	373	382	LEMEIAEYRR					Oxidation (M)[3]					Mascot
		1332.6754	1332.6663	-0.0091	-7	318	330	ASLEGLTADTQAR										Mascot
		1410.7046	1410.7004	-0.0042	-3	371	381	TRLEMEIAEYR	45		99.112							Mascot
		1410.7046	1410.7004	-0.0042	-3	371	381	TRLEMEIAEYR										Mascot
		1426.6995	1426.6937	-0.0058	-4	371	381	TRLEMEIAEYR					Oxidation (M)[5]					Mascot
		1426.6995	1426.6937	-0.0058	-4	371	381	TRLEMEIAEYR	24		0		Oxidation (M)[5]					Mascot
		1863.9731	1863.9349	-0.0382	-20	302	317	TLQSLIEIQLSQLSMK					Oxidation (M)[15]					Mascot
13	eukaryotic initiation factor 4A-III [Danio rerio]						gi 41055130	46438	6.3	7	142	100	123	100				
Peptide Information																		
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	%	Modification				Rank	Result	Type
		975.5984	975.5408	-0.0576	-59	369	377	KGVAINFVK										Mascot
		1122.5712	1122.588	0.0168	15	12	20	ILKEEDMTK					Oxidation (M)[7]					Mascot
		1332.7709	1332.6663	-0.1046	-78	227	237	FMTDPIRILVK										Mascot
		1469.7495	1469.65	-0.0995	-68	148	161	LDYGGHVAGTPGR										Mascot
		1827.9387	1827.928	-0.0107	-6	47	62	GIYAYGFEEKPSAIQQR	123		100							Mascot
		1827.9387	1827.928	-0.0107	-6	47	62	GIYAYGFEEKPSAIQQR										Mascot
		1852.9183	1852.9144	-0.0039	-2	178	193	MLVLDEADEMLNKGFK										Mascot
		1868.9132	1868.9138	0.0006	0	178	193	MLVLDEADEMLNKGFK					Oxidation (M)[1]					Mascot
		2794.3789	2794.3076	-0.0713	-26	260	283	FDTLCDLYDTLTITQAVIF CNTKR										Mascot
14	eukaryotic translation initiation factor 4A, isoform 2						gi 47087433	32405.7	6.04	2	140	100	134	100				

[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1515.7842	1515.7654	-0.0188	-12	65	76	GFKDQIYEIFQK						Mascot	
2144.1345	2144.1218	-0.0127	-6	209	227	GIDVQQVSLVINYLPTN	134	100				Mascot	
2144.1345	2144.1218	-0.0127	-6	209	227	R GIDVQQVSLVINYLPTN						Mascot	

15 novel protein similar to type I cytokeratin, enveloping layer [Danio rerio] gi|94732413 49661.4 5.31 13 115 100 45 99.112

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
807.3995	807.3951	-0.0044	-5	183	189	LAADDFR						Mascot	
975.5469	975.5408	-0.0061	-6	317	324	SEITELKR						Mascot	
1062.4998	1062.4937	-0.0061	-6	105	113	ATMQNLNDR						Mascot	
1077.5609	1077.5499	-0.011	-10	212	220	VLDELTMTTR						Mascot	
1078.4946	1078.4968	0.0022	2	105	113	ATMQNLNDR				Oxidation (M)[3]		Mascot	
1093.5558	1093.5265	-0.0293	-27	212	220	VLDELTMTTR	1	0		Oxidation (M)[7]		Mascot	
1093.5558	1093.5265	-0.0293	-27	212	220	VLDELTMTTR				Oxidation (M)[7]		Mascot	
1153.5558	1153.5513	-0.0045	-4	396	404	LEMEIAEYR						Mascot	
1169.5507	1169.6079	0.0572	49	396	404	LEMEIAEYR				Oxidation (M)[3]		Mascot	
1181.5909	1181.5851	-0.0058	-5	240	249	NHEEELLAAR						Mascot	
1221.6508	1221.475	-0.1758	-144	211	220	KVLDELTMTTR				Oxidation (M)[8]		Mascot	
1221.6508	1221.475	-0.1758	-144	211	220	KVLDELTMTTR				Oxidation (M)[8]		Mascot	
1268.6304	1268.6265	-0.0039	-3	190	199	VKYENELSMR						Mascot	
1284.6252	1284.6198	-0.0054	-4	190	199	VKYENELSMR				Oxidation (M)[9]		Mascot	
1309.6569	1309.6635	0.0066	5	396	405	LEMEIAEYRR						Mascot	
1325.6517	1325.6202	-0.0315	-24	396	405	LEMEIAEYRR				Oxidation (M)[3]		Mascot	
1332.6754	1332.6663	-0.0091	-7	341	353	ASLEGLADTQAR						Mascot	
1410.7046	1410.7004	-0.0042	-3	394	404	TRLEMEIAEYR	45	99.112				Mascot	
1410.7046	1410.7004	-0.0042	-3	394	404	TRLEMEIAEYR						Mascot	
1426.6995	1426.6937	-0.0058	-4	394	404	TRLEMEIAEYR				Oxidation (M)[5]		Mascot	
1426.6995	1426.6937	-0.0058	-4	394	404	TRLEMEIAEYR	24	0		Oxidation (M)[5]		Mascot	
1465.7356	1465.7231	-0.0125	-9	382	393	QGQEYQMLLDIK						Mascot	
1481.7305	1481.72	-0.0105	-7	382	393	QGQEYQMLLDIK				Oxidation (M)[7]		Mascot	

	2763.2358	2763.3052	0.0694	25	354	376	YGNMLNGYQM QVGNME EQLMQLR						Oxidation (M)[4]		Mascot
	2779.2307	2779.3013	0.0706	25	354	376	YGNMLNGYQM QVGNME EQLMQLR						Oxidation (M)[4,10]		Mascot
	2795.2256	2795.3018	0.0762	27	354	376	YGNMLNGYQM QVGNME EQLMQLR						Oxidation (M)[4,10,15]		Mascot
16	type I cytokeratin, enveloping layer [Danio rerio]				gi 94732407		24286.5	4.8	9	106	100	45	99.112		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	1153.5558	1153.5513	-0.0045	-4	163	171	LEMEIAEYR						Mascot	
	1169.5507	1169.6079	0.0572	49	163	171	LEMEIAEYR				Oxidation (M)[3]		Mascot	
	1309.6569	1309.6635	0.0066	5	163	172	LEMEIAEYRR						Mascot	
	1325.6517	1325.6202	-0.0315	-24	163	172	LEMEIAEYRR				Oxidation (M)[3]		Mascot	
	1332.6754	1332.6663	-0.0091	-7	108	120	ASLEGLADTQAR						Mascot	
	1410.7046	1410.7004	-0.0042	-3	161	171	TRLEMEIAEYR	45	99.112				Mascot	
	1410.7046	1410.7004	-0.0042	-3	161	171	TRLEMEIAEYR						Mascot	
	1414.8151	1414.8075	-0.0076	-5	190	202	KVVTIVEEVVDGK						Mascot	
	1420.7278	1420.7194	-0.0084	-6	71	83	EVAVSTETLQTSR						Mascot	
	1426.6995	1426.6937	-0.0058	-4	161	171	TRLEMEIAEYR				Oxidation (M)[5]		Mascot	
	1426.6995	1426.6937	-0.0058	-4	161	171	TRLEMEIAEYR	24		0	Oxidation (M)[5]		Mascot	
	1465.7356	1465.7231	-0.0125	-9	149	160	QGQEYQMLLDIK						Mascot	
	1481.7305	1481.72	-0.0105	-7	149	160	QGQEYQMLLDIK				Oxidation (M)[7]		Mascot	
	1863.9731	1863.9349	-0.0382	-20	92	107	TLQSLEIELQSLSMK				Oxidation (M)[15]		Mascot	
	1961.0801	1960.9036	-0.1765	-90	191	209	VVTIVEEVVDGKVSSSS K						Mascot	

17	type I keratin [Danio rerio]				gi 5733816		11569.6	4.88	6	94	99.998	45	99.112		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	1153.5558	1153.5513	-0.0045	-4	64	72	LEMEIAEYR						Mascot	
	1169.5507	1169.6079	0.0572	49	64	72	LEMEIAEYR				Oxidation (M)[3]		Mascot	
	1309.6569	1309.6635	0.0066	5	64	73	LEMEIAEYRR						Mascot	
	1325.6517	1325.6202	-0.0315	-24	64	73	LEMEIAEYRR				Oxidation (M)[3]		Mascot	
	1332.6754	1332.6663	-0.0091	-7	9	21	ASLEGLADTQAR						Mascot	
	1410.7046	1410.7004	-0.0042	-3	62	72	TRLEMEIAEYR	45	99.112				Mascot	
	1410.7046	1410.7004	-0.0042	-3	62	72	TRLEMEIAEYR						Mascot	
	1426.6995	1426.6937	-0.0058	-4	62	72	TRLEMEIAEYR				Oxidation (M)[5]		Mascot	

	1426.6995	1426.6937	-0.0058	-4	62	72	TRLEMEIAEYR	24	0	Oxidation (M)[5]	Mascot		
	1465.7356	1465.7231	-0.0125	-9	50	61	QQQEYQMLLDIK				Mascot		
	1481.7305	1481.72	-0.0105	-7	50	61	QQQEYQMLLDIK			Oxidation (M)[7]	Mascot		
	2763.2358	2763.3052	0.0694	25	22	44	YGNMLNGYQM QVGNME EQLMQLR			Oxidation (M)[4]	Mascot		
	2779.2307	2779.3013	0.0706	25	22	44	YGNMLNGYQM QVGNME EQLMQLR			Oxidation (M)[4,10]	Mascot		
	2795.2256	2795.3018	0.0762	27	22	44	YGNMLNGYQM QVGNME EQLMQLR			Oxidation (M)[4,10,15]	Mascot		
18	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial [Danio rerio]				gi 66773104		50747	6.37	7	83	99.978	59	99.967

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1062.5037	1062.4937	-0.01	-9	191	199	QMPVHYGSK				Oxidation (M)[2]		Mascot	
1122.5975	1122.588	-0.0095	-8	389	397	KLVMEAFER						Mascot	
1221.4807	1221.475	-0.0057	-5	373	381	DWWGEDEER						Mascot	
1221.4807	1221.475	-0.0057	-5	373	381	DWWGEDEER	59	99.967				Mascot	
1852.9261	1852.9144	-0.0117	-6	318	333	AVAENQPFLIEAMTYR						Mascot	
1868.9137	1868.9138	0.0001	0	299	315	VDGNDVFAVYNATKEAR						Mascot	
2233.0991	2233.071	-0.0281	-13	101	118	ETVLNIFYQKMTLLNTMD R				Oxidation (M)[10]		Mascot	
2246.0256	2246.0596	0.034	15	169	188	GFPLDLFMAQCYANADD LGK				Carbamidomethyl (C)[11]		Mascot	
2246.0256	2246.0596	0.034	15	169	188	GFPLDLFMAQCYANADD LGK				Carbamidomethyl (C)[11]		Mascot	

19	type I keratin E7-like [Danio rerio]					gi 316659401	43783.1	4.97	8	73	99.792	45	99.112
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1078.6255	1078.4968	-0.1287	-119	69	77	LASYLEKVR						Mascot	
1153.5558	1153.5513	-0.0045	-4	351	359	LEMEIAEYR						Mascot	
1169.5507	1169.6079	0.0572	49	351	359	LEMEIAEYR				Oxidation (M)[3]		Mascot	
1186.5521	1186.6383	0.0862	73	1	10	MSQVTQSFSR				Oxidation (M)[1]		Mascot	
1186.5521	1186.6383	0.0862	73	1	10	MSQVTQSFSR				Oxidation (M)[1]		Mascot	
1309.6569	1309.6635	0.0066	5	351	360	LEMEIAEYRR						Mascot	
1314.6471	1314.7285	0.0814	62	1	11	MSQVTQSFSRK				Oxidation (M)[1]		Mascot	
1325.6517	1325.6202	-0.0315	-24	351	360	LEMEIAEYRR				Oxidation (M)[3]		Mascot	
1410.7046	1410.7004	-0.0042	-3	349	359	TRLEMEIAEYR	45	99.112				Mascot	
1410.7046	1410.7004	-0.0042	-3	349	359	TRLEMEIAEYR						Mascot	

1420.8046	1420.7194	-0.0852	-60	337	348	QASEYKLLLDIK			Mascot
1426.6995	1426.6937	-0.0058	-4	349	359	TRLEMEIAEYR		Oxidation (M)[5]	Mascot
1426.6995	1426.6937	-0.0058	-4	349	359	TRLEMEIAEYR	24	0 Oxidation (M)[5]	Mascot
1464.842	1464.6938	-0.1482	-101	370	383	QTVKVVVEVVAPPQA			Mascot

Peptide Information

21	Si:dkeyp-113d7.4 protein [Danio rerio]	gi 62203256	51673.7	5.05	7	70	99.512	45	99.112
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1078.6255	1078.4968	-0.1287	-119	140	148	LASYLEKVR					Mascot
1093.6099	1093.5265	-0.0834	-76	478	488	VVSSSSTSLVK	1	0			Mascot
1093.6099	1093.5265	-0.0834	-76	478	488	VVSSSSTSLVK					Mascot
1153.5558	1153.5513	-0.0045	-4	424	432	LEMEIAEYR					Mascot
1169.5507	1169.6079	0.0572	49	424	432	LEMEIAEYR			Oxidation (M)[3]		Mascot
1194.5861	1194.5823	-0.0038	-3	52	65	SGSVYGGAGGAGVR					Mascot
1194.5861	1194.5823	-0.0038	-3	52	65	SGSVYGGAGGAGVR					Mascot
1309.6569	1309.6635	0.0066	5	424	433	LEMEIAEYRR					Mascot

	1325.6517	1325.6202	-0.0315	-24	424	433	LEMEIAEYRR						Oxidation (M)[3]		Mascot
	1410.7046	1410.7004	-0.0042	-3	422	432	TRLEMEIAEYR	45	99.112						Mascot
	1410.7046	1410.7004	-0.0042	-3	422	432	TRLEMEIAEYR								Mascot
	1426.6995	1426.6937	-0.0058	-4	422	432	TRLEMEIAEYR						Oxidation (M)[5]		Mascot
	1426.6995	1426.6937	-0.0058	-4	422	432	TRLEMEIAEYR	24	0				Oxidation (M)[5]		Mascot
	1465.7356	1465.7231	-0.0125	-9	410	421	QGQEYQMLLDIK								Mascot
	1481.7305	1481.72	-0.0105	-7	410	421	QGQEYQMLLDIK						Oxidation (M)[7]		Mascot
22	type I keratin E7 [Danio rerio]				gi 50539834		49754.6	5.42	8	69	99.4	45	99.112		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1078.6255	1078.4968	-0.1287	-119	90	98	LASYLEKVR						Mascot
1153.5558	1153.5513	-0.0045	-4	372	380	LEMEIAEYR						Mascot
1169.5507	1169.6079	0.0572	49	372	380	LEMEIAEYR				Oxidation (M)[3]		Mascot
1186.5521	1186.6383	0.0862	73	1	10	MSQVTQSFSR				Oxidation (M)[1]		Mascot
1186.5521	1186.6383	0.0862	73	1	10	MSQVTQSFSR				Oxidation (M)[1]		Mascot
1309.6569	1309.6635	0.0066	5	372	381	LEMEIAEYRR						Mascot
1314.6471	1314.7285	0.0814	62	1	11	MSQVTQSFSRK				Oxidation (M)[1]		Mascot
1325.6517	1325.6202	-0.0315	-24	372	381	LEMEIAEYRR				Oxidation (M)[3]		Mascot
1410.7046	1410.7004	-0.0042	-3	370	380	TRLEMEIAEYR	45	99.112				Mascot
1410.7046	1410.7004	-0.0042	-3	370	380	TRLEMEIAEYR						Mascot
1420.8046	1420.7194	-0.0852	-60	358	369	QASEYKLLLDIK						Mascot
1426.6995	1426.6937	-0.0058	-4	370	380	TRLEMEIAEYR				Oxidation (M)[5]		Mascot
1426.6995	1426.6937	-0.0058	-4	370	380	TRLEMEIAEYR	24	0		Oxidation (M)[5]		Mascot
2144.2688	2144.1218	-0.147	-69	391	410	QTIKVVVEVVAPPKDPVV TK						Mascot
2144.2688	2144.1218	-0.147	-69	391	410	QTIKVVVEVVAPPKDPVV TK						Mascot

23	novel protein similar to vertebrate keratin type I family [Danio rerio]				gi 94732967		45812.2	5.08	7	66	98.957	45	99.112		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1078.6255	1078.4968	-0.1287	-119	87	95	LASYLEKVR						Mascot
1153.5558	1153.5513	-0.0045	-4	369	377	LEMEIAEYR						Mascot
1169.5507	1169.6079	0.0572	49	369	377	LEMEIAEYR				Oxidation (M)[3]		Mascot
1309.6569	1309.6635	0.0066	5	369	378	LEMEIAEYRR						Mascot

	1325.6517	1325.6202	-0.0315	-24	369	378	LEMEIAEYRR			Oxidation (M)[3]	Mascot		
	1410.7046	1410.7004	-0.0042	-3	367	377	TRLEMEIAEYR	45	99.112		Mascot		
	1410.7046	1410.7004	-0.0042	-3	367	377	TRLEMEIAEYR				Mascot		
	1420.8046	1420.7194	-0.0852	-60	355	366	QASEYKLLLDIK				Mascot		
	1426.6995	1426.6937	-0.0058	-4	367	377	TRLEMEIAEYR			Oxidation (M)[5]	Mascot		
	1426.6995	1426.6937	-0.0058	-4	367	377	TRLEMEIAEYR	24	0	Oxidation (M)[5]	Mascot		
	1464.842	1464.6938	-0.1482	-101	388	401	QTVKVVEVVAPPQA				Mascot		
	2230.0227	2230.0625	0.0398	18	9	28	CPTRAETETMSQVTQS FSR				Mascot		
	2246.0176	2246.0596	0.042	19	9	28	CPTRAETETMSQVTQS FSR			Oxidation (M)[11]	Mascot		
	2246.0176	2246.0596	0.042	19	9	28	CPTRAETETMSQVTQS FSR			Oxidation (M)[11]	Mascot		
24	Si:dkeyp-113d7.4 protein [Danio rerio]					gi 126632119	51495.6	5	6	64	98.308	45	99.112

1169.5507	1169.6079	0.0572	49	400	408	LEMEIAEYR						Oxidation (M)[3]	Mascot
1284.6252	1284.6198	-0.0054	-4	194	203	TKYENELTMR							Mascot
1309.6569	1309.6635	0.0066	5	400	409	LEMEIAEYRR							Mascot
1325.6517	1325.6202	-0.0315	-24	400	409	LEMEIAEYRR						Oxidation (M)[3]	Mascot
1410.7046	1410.7004	-0.0042	-3	398	408	TRLEMEIAEYR	45	99.112					Mascot
1410.7046	1410.7004	-0.0042	-3	398	408	TRLEMEIAEYR							Mascot
1426.6995	1426.6937	-0.0058	-4	398	408	TRLEMEIAEYR						Oxidation (M)[5]	Mascot
1426.6995	1426.6937	-0.0058	-4	398	408	TRLEMEIAEYR	24	0				Oxidation (M)[5]	Mascot
1465.772	1465.7231	-0.0489	-33	386	397	QGQYKMLLDIK							Mascot
1481.7668	1481.72	-0.0468	-32	386	397	QGQYKMLLDIK						Oxidation (M)[7]	Mascot

26 keratin 15 [Danio rerio] gi|169158744 48848.4 5.13 6 63 97.61 45 99.112

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1062.4998	1062.4937	-0.0061	-6	109	117	ATMQNLNDR					Mascot
1078.4946	1078.4968	0.0022	2	109	117	ATMQNLNDR			Oxidation (M)[3]		Mascot
1153.5558	1153.5513	-0.0045	-4	400	408	LEMEIAEYR					Mascot
1169.5507	1169.6079	0.0572	49	400	408	LEMEIAEYR			Oxidation (M)[3]		Mascot
1284.6252	1284.6198	-0.0054	-4	194	203	TKYENELTMR					Mascot
1309.6569	1309.6635	0.0066	5	400	409	LEMEIAEYRR					Mascot
1325.6517	1325.6202	-0.0315	-24	400	409	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1410.7046	1410.7004	-0.0042	-3	398	408	TRLEMEIAEYR	45	99.112			Mascot
1410.7046	1410.7004	-0.0042	-3	398	408	TRLEMEIAEYR					Mascot
1426.6995	1426.6937	-0.0058	-4	398	408	TRLEMEIAEYR			Oxidation (M)[5]		Mascot
1426.6995	1426.6937	-0.0058	-4	398	408	TRLEMEIAEYR	24	0	Oxidation (M)[5]		Mascot
1465.772	1465.7231	-0.0489	-33	386	397	QGQYKMLLDIK					Mascot
1481.7668	1481.72	-0.0468	-32	386	397	QGQYKMLLDIK			Oxidation (M)[7]		Mascot

27 ribosomal protein S6 kinase alpha-3 [Danio rerio] gi|131888399 81017.4 6.9 13 46 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1093.6	1093.5265	-0.0735	-67	151	160	GGDLFTRLISK					Mascot
1093.6	1093.5265	-0.0735	-67	151	160	GGDLFTRLISK					Mascot
1165.698	1165.738	0.04	34	142	150	LYLILDFLR					Mascot
1181.6268	1181.5851	-0.0417	-35	274	283	ETMTMILKAK			Oxidation (M)[3]		Mascot

		1194.663	1194.5823	-0.0807	-68	2	11	PLAQLVDPWR							Mascot
		1194.663	1194.5823	-0.0807	-68	2	11	PLAQLVDPWR							Mascot
		1268.6191	1268.6265	0.0074	6	425	436	EDIGIGAYSICK							Mascot
		1294.6031	1294.5891	-0.014	-11	704	713	TDFHCLMSRK			Carbamidomethyl (C)[5]				Mascot
		1325.6405	1325.6202	-0.0203	-15	425	436	EDIGIGAYSICK			Carbamidomethyl (C)[11]				Mascot
		1450.7914	1450.6841	-0.1073	-74	495	507	TVAYLHAQGVVHR							Mascot
		1453.7985	1453.66	-0.1385	-95	1	12	MPLAQLVDPWRK							Mascot
		1469.7933	1469.65	-0.1433	-97	1	12	MPLAQLVDPWRK			Oxidation (M)[1]				Mascot
		1481.7417	1481.72	-0.0217	-15	425	437	EDIGIGAYSICKR			Carbamidomethyl (C)[11]				Mascot
		1708.8938	1708.7949	-0.0989	-58	87	102	TTGPDAGQLYAMKVLK			Oxidation (M)[12]				Mascot
		1957.0801	1957.0361	-0.044	-22	628	644	MLHVDPHQRLTAAQVLK							Mascot
		1957.0801	1957.0361	-0.044	-22	628	644	MLHVDPHQRLTAAQVLK							Mascot
		2246.1299	2246.0596	-0.0703	-31	508	527	DLKPSNILYVDESGNPESIR							Mascot
		2246.1299	2246.0596	-0.0703	-31	508	527	DLKPSNILYVDESGNPESIR							Mascot
		2778.4316	2778.3147	-0.1169	-42	536	560	QLRAENGLLMTPCYTANFVAPEVLK							Mascot
		2794.4265	2794.3076	-0.1189	-43	536	560	QLRAENGLLMTPCYTANFVAPEVLK			Oxidation (M)[10]				Mascot
28	coiled-coil domain-containing protein 46 [Danio rerio]					gi 149773535		79141.3	6.63	4	45	0	38	95.628	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. % Modification	Rank	Result Type
1045.5524	1045.5558	0.0034	3	269	277 KNGEIDELK				Mascot
1186.6613	1186.6383	-0.023	-19	605	614 QQLMELGVLR	38	95.628		Mascot
1186.6613	1186.6383	-0.023	-19	605	614 QQLMELGVLR				Mascot
1314.7562	1314.7285	-0.0277	-21	604	614 KQQLMELGVLR				Mascot
1410.7699	1410.7004	-0.0695	-49	531	542 KLQTLQTHNAEK				Mascot
1410.7699	1410.7004	-0.0695	-49	531	542 KLQTLQTHNAEK				Mascot

29 Rbm34 protein [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.473	842.5051	0.0321	38	74	80	DPVQKQK					Mascot
1093.5636	1093.5265	-0.0371	-34	135	143	TVKFNAEER	12	0			Mascot
1093.5636	1093.5265	-0.0371	-34	135	143	TVKFNAEER					Mascot
1414.79	1414.8075	0.0175	12	60	73	VTPAVSDNAVVKSK					Mascot

1464.7627	1464.6938	-0.0689	-47	148	160	RTVFVGNLPSSCK	Carbamidomethyl (C)[12]	Mascot
1474.7761	1474.7805	0.0044	3	369	381	NPRNKPTQASSFK		Mascot
1711.7882	1711.7893	0.0011	1	119	133	ADGEEEEERPTKHK		Mascot
1960.9777	1960.9036	-0.0741	-38	225	240	WNGHEIQAGFYIRVDR		Mascot
2283.1501	2283.1641	0.014	6	205	224	QNINAYIVFKEEESATDAL K		Mascot

30 LOC560618 protein [Danio rerio] gi|183985554 36438.9 5.69 9 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1165.6113	1165.738	0.1267	109	173	182	LPSHWSSVPR					Mascot
1186.5996	1186.6383	0.0387	33	100	110	VKVNPNCGNGK			Carbamidomethyl (C)[7]		Mascot
1186.5996	1186.6383	0.0387	33	100	110	VKVNPNCGNGK			Carbamidomethyl (C)[7]		Mascot
1194.6589	1194.5823	-0.0766	-64	155	166	SSVAPTAGVHLR					Mascot
1194.6589	1194.5823	-0.0766	-64	155	166	SSVAPTAGVHLR					Mascot
1325.7212	1325.6202	-0.101	-76	89	99	WIDEQIAVVPR					Mascot
1410.574	1410.7004	0.1264	90	1	11	RVCMGMMMMIK			Oxidation (M)[4,6,7,8,9]		Mascot
1410.574	1410.7004	0.1264	90	1	11	RVCMGMMMMIK			Oxidation (M)[4,6,7,8,9]		Mascot
1426.7358	1426.6937	-0.0421	-30	59	71	DLCEHLGLTIANK					Mascot
1426.7358	1426.6937	-0.0421	-30	59	71	DLCEHLGLTIANK					Mascot
1711.8544	1711.7893	-0.0651	-38	72	86	AQLAEAQKHGLETGR			Carbamidomethyl (C)[14]		Mascot
2284.0884	2284.1616	0.0732	32	12	31	MVLFSGMFMSGLAFDMQ LVK			Oxidation (M)[1,7]		Mascot
2763.3699	2763.3052	-0.0647	-23	118	141	AVPSKLFDFVCFNVTDFE TQASIK			Carbamidomethyl (C)[11]		Mascot

31 PREDICTED: sickle tail protein homolog [Danio rerio] gi|292610753 206402.5 8.61 10 39 0 30 72.607

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
803.4005	803.4296	0.0291	36	35	42	AGSEGNLR					Mascot
842.473	842.5051	0.0321	38	384	391	LSSVPPSR					Mascot
1294.675	1294.5891	-0.0859	-66	865	876	ESPTPQPRSPAK					Mascot
1426.7438	1426.6937	-0.0501	-35	1098	1110	RFYPSATGLTTGR					Mascot
1426.7438	1426.6937	-0.0501	-35	1098	1110	RFYPSATGLTTGR	30	72.607			Mascot
1450.6703	1450.6841	0.0138	10	524	536	DSNGAMEVNSRVRR			Oxidation (M)[6]		Mascot
1481.7078	1481.72	0.0122	8	1668	1681	SISENQTTASQSTK					Mascot
1708.9125	1708.7949	-0.1176	-69	1169	1182	IMAEQLQVFQKCTIK			Carbamidomethyl (C)[11]		Mascot

1852.7841	1852.9144	0.1303	70	272	285	DDMRNMYELTDVR	Oxidation (M)[3,6]	Mascot
2230.1477	2230.0625	-0.0852	-38	893	913	VQTVPSNAHHPSPLTPT HGR		Mascot
2283.2092	2283.1641	-0.0451	-20	1337	1357	LEQQILHTHLPVSQASAA PDK		Mascot

32 guanine nucleotide-binding protein subunit beta-5 [Danio rerio] gi|41152187 43411.8 5.76 9 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1153.5745	1153.5513	-0.0232	-20	87	96	MEALGQFVMK					Mascot
1169.5693	1169.6079	0.0386	33	87	96	MEALGQFVMK			Oxidation (M)[1]		Mascot
1181.587	1181.5851	-0.0019	-2	171	180	CSVYPLSLDK			Carbamidomethyl (C)[1]		Mascot
1268.5585	1268.6265	0.068	54	108	117	VLCMDWCRDK					Mascot
1284.5533	1284.6198	0.0665	52	108	117	VLCMDWCRDK			Oxidation (M)[4]		Mascot
1309.6787	1309.6635	-0.0152	-12	129	139	VIVWDAYTTNK					Mascot
1325.58	1325.6202	0.0402	30	108	117	VLCMDWCRDK			Carbamidomethyl (C)[3]		Mascot
1410.7231	1410.7004	-0.0227	-16	87	98	MEALGQFVMKTR					Mascot
1410.7231	1410.7004	-0.0227	-16	87	98	MEALGQFVMKTR					Mascot
1426.7181	1426.6937	-0.0244	-17	87	98	MEALGQFVMKTR			Oxidation (M)[1]		Mascot
1426.7181	1426.6937	-0.0244	-17	87	98	MEALGQFVMKTR			Oxidation (M)[1]		Mascot
1442.713	1442.6952	-0.0178	-12	87	98	MEALGQFVMKTR			Oxidation (M)[1,9]		Mascot
1469.7971	1469.65	-0.1471	-100	357	369	GTRVAILFGHENR					Mascot
1960.9255	1960.9036	-0.0219	-11	189	205	KSVAMHTNYLSSCSFTK			Carbamidomethyl (C)[13]		Mascot
2211.1292	2211.0935	-0.0357	-16	120	139	IVSSSQDGKVIVWDAYTT NK					Mascot
2283.0498	2283.1641	0.1143	50	375	395	VSPDGTAFCSGSWDNTL RIWA					Mascot

33 novel protein containing EGF-like domains [Danio rerio] gi|169145912 26733.7 8.19 8 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1309.5889	1309.6635	0.0746	57	56	67	LVCNHHCQNGGK					Mascot
1469.7351	1469.65	-0.0851	-58	29	42	SILPCLHGGTCVGR			Carbamidomethyl (C)[5]		Mascot
1474.7141	1474.7805	0.0664	45	210	221	GTICQIPICEQR			Carbamidomethyl (C)[4,9]		Mascot
1481.597	1481.72	0.123	83	164	177	CIGPDVCDCASGWR					Mascot
1515.6355	1515.7654	0.1299	86	43	55	DTCSCPYGFGPR			Carbamidomethyl (C)[3,5]		Mascot
1956.8407	1957.0361	0.1954	100	117	134	CQNAVCNPPCKNGGHC VR			Carbamidomethyl (C)[1]		Mascot

	1956.8407	1957.0361	0.1954	100	117	134	CQNAVCNPPCKNGGHC VR		Carbamidomethyl (C)[1]		Mascot
	2232.9915	2233.071	0.0795	36	228	247	CVRPNVCACRSGYMGTL CSR		Carbamidomethyl (C)[1]		Mascot
	2795.2883	2795.3018	0.0135	5	29	55	SILPCLHGGTCVGRDTC CPYGFVGPR				Mascot
34	myotubularin-related protein 8 [Danio rerio]				gi 41055311		72276.9	6.32	11	38	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3366	807.3951	0.0585	72	626	632	EEVQESS					Mascot
1078.5739	1078.4968	-0.0771	-71	170	181	SASVATVTGSAK					Mascot
1153.5922	1153.5513	-0.0409	-35	315	325	SVMDAGVFLAK			Oxidation (M)[3]		Mascot
1332.7423	1332.6663	-0.076	-57	186	196	GRLPVLSYYHK					Mascot
1426.6445	1426.6937	0.0492	34	601	613	EEPAANEHDLSSK					Mascot
1426.845	1426.6937	-0.1513	-106	61	73	LLLTASGCPLLR			Carbamidomethyl (C)[8]		Mascot
1465.7753	1465.7231	-0.0522	-36	281	293	SSLQKLLEVCSMK					Mascot
1481.7701	1481.72	-0.0501	-34	281	293	SSLQKLLEVCSMK			Oxidation (M)[12]		Mascot
1515.8352	1515.7654	-0.0698	-46	312	325	HIKSVMDAGVFLAK					Mascot
2143.999	2144.1218	0.1228	57	614	632	DKPVSVETEHSKEEVQE SS					Mascot
2143.999	2144.1218	0.1228	57	614	632	DKPVSVETEHSKEEVQE SS					Mascot
2246.0076	2246.0596	0.052	23	326	344	AVCEERASVLVHCSDGW DR			Carbamidomethyl (C)[3,13]		Mascot
2246.0076	2246.0596	0.052	23	326	344	AVCEERASVLVHCSDGW DR			Carbamidomethyl (C)[3,13]		Mascot
2763.3066	2763.3052	-0.0014	-1	601	625	EEPAANEHDLSSKDKPV SVETEHSK					Mascot

35	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1) a [Danio				gi 58000450		43083.8	5.34	9	37	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1062.4812	1062.4937	0.0125	12	243	250	MYEEFLSK			Oxidation (M)[1]		Mascot
1169.4917	1169.6079	0.1162	99	2	12	ASSSTSSEER					Mascot
1294.5909	1294.5891	-0.0018	-1	305	315	SENEEFVEVGR					Mascot
1442.7023	1442.6952	-0.0071	-5	133	144	NVLFAHLDNDR					Mascot
1450.692	1450.6841	-0.0079	-5	304	315	RSENEEFVEVGR					Mascot
1474.79	1474.7805	-0.0095	-6	251	262	VSILES�DKWER					Mascot
1863.9335	1863.9349	0.0014	1	263	279	LTVADALETVQFEDGQK					Mascot
1960.9135	1960.9036	-0.0099	-5	96	113	GAISAEVYTEEDATSYVR					Mascot

	2117.0144	2117.155	0.1406	66	95	113	RGAISAEVYTEEDATSYV R							Mascot
36	laminin subunit beta-4 precursor [Danio rerio]				gi 27545303	203418.8	5.19	15	37	0	23	0		
Peptide Information														
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification		Rank	Result Type	
	1093.4401	1093.5265	0.0864	79	441	450 DDPSGCQLCR		23	0				Mascot	
	1093.4401	1093.5265	0.0864	79	441	450 DDPSGCQLCR							Mascot	
	1314.5426	1314.7285	0.1859	141	333	342 RCNCHSHSEK				Carbamidomethyl (C)[2,4]			Mascot	
	1450.5938	1450.6841	0.0903	62	1064	1077 DGDACDPVTGECLR							Mascot	
	1464.657	1464.6938	0.0368	25	1523	1534 DQAENMMDKINR							Mascot	
	1465.8121	1465.7231	-0.089	-61	1678	1689 LKNIEDHLNLTR							Mascot	
	1469.7134	1469.65	-0.0634	-43	254	264 YYYALYEMVVR							Mascot	
	1474.7933	1474.7805	-0.0128	-9	1759	1771 LKNITMEAENLAK							Mascot	
	1515.7008	1515.7654	0.0646	43	1092	1104 RGYYGNALAQDCK				Carbamidomethyl (C)[12]			Mascot	
	1708.7722	1708.7949	0.0227	13	934	946 CYPGYYGFPLCRR				Carbamidomethyl (C)[1,11]			Mascot	
	1711.6733	1711.7893	0.116	68	297	310 CVCQHNTAGYNCEER				Carbamidomethyl (C)[1,3]			Mascot	
	1956.865	1957.0361	0.1711	87	350	368 YLATGGVSGGVCDDECRN NR							Mascot	
	1957.0428	1957.0361	-0.0067	-3	695	711 FTVSNIPATLDYVVVVR							Mascot	
	2283.0203	2283.1641	0.1438	63	21	41 LQDECVGNSCYPNLGDL MVGR							Mascot	
	2283.9937	2284.1616	0.1679	74	511	530 TECSSVDGQCKCRPNMV GQK				Carbamidomethyl (C)[3,10]			Mascot	
	2763.377	2763.3052	-0.0718	-26	753	776 TATLDLPVCLSDGNQYH VDITFRK				Carbamidomethyl (C)[9]			Mascot	
37	PREDICTED: disco-interacting protein 2 homolog C [Danio rerio]				gi 189536803	170745	7.39	17	37	0				
Peptide Information														
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification		Rank	Result Type	
	807.4471	807.3951	-0.052	-64	1285	1291 DLGLHPR							Mascot	
	882.4501	882.5634	0.1133	128	581	587 VCQYKGK				Carbamidomethyl (C)[2]			Mascot	
	1045.5887	1045.5558	-0.0329	-31	1242	1251 GLGLQTESLK							Mascot	
	1078.5011	1078.4968	-0.0043	-4	1424	1433 TELTDASGER							Mascot	
	1122.6194	1122.588	-0.0314	-28	466	474 LLWVFVESK							Mascot	
	1165.567	1165.738	0.171	147	1166	1174 LQCELYPSR				Carbamidomethyl (C)[3]			Mascot	
	1268.551	1268.6265	0.0755	60	1152	1162 MSHTATSFAFCR				Carbamidomethyl (C)[10]			Mascot	
	1284.546	1284.6198	0.0738	57	1152	1162 MSHTATSFAFCR				Carbamidomethyl (C)[10], Oxidation (M)[11]			Mascot	

1442.7638	1442.6952	-0.0686	-48	1454	1465	YHPIDIETSVIR						Mascot
1469.8145	1469.65	-0.1645	-112	996	1009	GAVLSSLTCLQLHK						Mascot
1708.9336	1708.7949	-0.1387	-81	1081	1095	SACVMTTQISKLLK				Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot
1852.9585	1852.9144	-0.0441	-24	1332	1348	LVERGSPHSLPLMESGK				Oxidation (M)[13]		Mascot
1960.8997	1960.9036	0.0039	2	1540	1556	DGFLADQLDPIYVAYNM				Oxidation (M)[17]		Mascot
2211.1074	2211.0935	-0.0139	-6	676	695	GVLSMQGLSYGVIRVDS EER				Oxidation (M)[5]		Mascot
2246.1057	2246.0596	-0.0461	-21	1434	1453	HDALYVVGALDEAMELR GMR						Mascot
2246.1057	2246.0596	-0.0461	-21	1434	1453	HDALYVVGALDEAMELR GMR						Mascot
2283.092	2283.1641	0.0721	32	236	257	YGNAELMETGDGVPVSS RVSAK				Oxidation (M)[7]		Mascot
2778.5044	2778.3147	-0.1897	-68	775	802	TGLLGFIGPGGLVFISGK MDGLMVVSGR						Mascot
2794.4993	2794.3076	-0.1917	-69	775	802	TGLLGFIGPGGLVFISGK MDGLMVVSGR				Oxidation (M)[19]		Mascot
2818.229	2818.2898	0.0608	22	727	752	TDEIGELCVCSIATGMSY YGLSGMTK				Carbamidomethyl (C)[8], Oxidation (M)[16,24]		Mascot

38 RecName: Full=Dual specificity protein kinase Ttk;
AltName: Full=Mitotic checkpoint serine/threonin gi|146336816 109942.2 7.36 14 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
1077.5609	1077.5499	-0.011	-10	966	974	KLDVSECVK			Carbamidomethyl (C)[7]		Mascot	
1122.6339	1122.588	-0.0459	-41	95	103	MLVRFAELK			Oxidation (M)[1]		Mascot	
1314.6875	1314.7285	0.041	31	383	393	LLDCYSKV FAR					Mascot	
1325.5759	1325.6202	0.0443	33	953	965	AASNLAMMCNSGR					Mascot	
1414.7074	1414.8075	0.1001	71	370	382	RADPHSDAAFLSK					Mascot	
1426.7689	1426.6937	-0.0752	-53	587	599	QPNPNSFVTPVVK					Mascot	
1426.7689	1426.6937	-0.0752	-53	587	599	QPNPNSFVTPVVK					Mascot	
1453.6709	1453.66	-0.0109	-7	953	966	AASNLAMMCNSGRK					Mascot	
1469.6658	1469.65	-0.0158	-11	953	966	AASNLAMMCNSGRK			Oxidation (M)[7]		Mascot	
1474.7623	1474.7805	0.0182	12	390	401	VFARFPLAEHCK			Carbamidomethyl (C)[11]		Mascot	
1708.8112	1708.7949	-0.0163	-10	394	407	FPLAEHCKTESYAR			Carbamidomethyl (C)[7]		Mascot	
1710.8657	1710.7849	-0.0808	-47	319	333	EDIEEGHTITALLNR					Mascot	
1853.0603	1852.9144	-0.1459	-79	465	481	ALSSNARPIELLQTAIR					Mascot	
1863.8979	1863.9349	0.037	20	70	85	LMDSYTRVFSSMPLGK			Oxidation (M)[2,12]		Mascot	
1868.9589	1868.9138	-0.0451	-24	754	768	AYWRNMLEAVHTIHK					Mascot	
2232.9827	2233.071	0.0883	40	417	436	GIEDPEDAADDFSIARSH CK			Carbamidomethyl (C)[19]		Mascot	

39 dual specificity protein kinase Ttk [Danio rerio] gi|28077097 110018.2 7.35 14 35 0

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
	1077.5609	1077.5499	-0.011	-10	967	975	KLDVSECVK			Carbamidomethyl (C)[7]	Mascot
	1122.6339	1122.588	-0.0459	-41	95	103	MLVRFAELK			Oxidation (M)[1]	Mascot
	1314.6875	1314.7285	0.041	31	384	394	LLDCYSKVFAR				Mascot
	1325.5759	1325.6202	0.0443	33	954	966	AASNLAMMCNSGR				Mascot
	1414.7074	1414.8075	0.1001	71	371	383	RADPHSDAAFLSK				Mascot
	1426.7689	1426.6937	-0.0752	-53	588	600	QPNPNSFVTPVVK				Mascot
	1426.7689	1426.6937	-0.0752	-53	588	600	QPNPNSFVTPVVK				Mascot
	1453.6709	1453.66	-0.0109	-7	954	967	AASNLAMMCNSGRK				Mascot
	1469.6658	1469.65	-0.0158	-11	954	967	AASNLAMMCNSGRK			Oxidation (M)[7]	Mascot
	1474.7623	1474.7805	0.0182	12	391	402	VFARFPLAEHCK			Carbamidomethyl (C)[11]	Mascot
	1708.8112	1708.7949	-0.0163	-10	395	408	FPLAEHCKTESYAR			Carbamidomethyl (C)[7]	Mascot
	1710.8657	1710.7849	-0.0808	-47	320	334	EDIEEGHTITALLNR				Mascot
	1853.0603	1852.9144	-0.1459	-79	466	482	ALSSNARPIELLQTAIR				Mascot
	1863.8979	1863.9349	0.037	20	70	85	LMDSYTRVFSSMPLGK			Oxidation (M)[2,12]	Mascot
	1868.9589	1868.9138	-0.0451	-24	755	769	AYWRNMLEAVHTIHK				Mascot
	2232.9827	2233.071	0.0883	40	418	437	GIEDPEDAADDFSIARSHCK			Carbamidomethyl (C)[19]	Mascot
40	LOC563247 protein [Danio rerio]				gi 111306566		35064.7	9.75	9	35	0

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	1045.6152	1045.5558	-0.0594	-57	148	156 FRLPSQIGK					Mascot
	1077.4452	1077.5499	0.1047	97	3	11 HTCSMETPR				Oxidation (M)[5]	Mascot
	1186.6677	1186.6383	-0.0294	-25	163	173 KAPLSVDLESK					Mascot
	1186.6677	1186.6383	-0.0294	-25	163	173 KAPLSVDLESK					Mascot
	1268.6633	1268.6265	-0.0368	-29	122	131 TEYKPFQAKR					Mascot
	1284.5889	1284.6198	0.0309	24	75	85 TESGDVCLFTR				Carbamidomethyl (C)[7]	Mascot
	1314.6899	1314.7285	0.0386	29	279	290 TENTEAPKPVTK					Mascot
	1420.601	1420.7194	0.1184	83	86	97 DEPNMTAEQTER					Mascot
	1442.7849	1442.6952	-0.0897	-62	278	290 KTENTEAPKPVTK					Mascot
	1474.7802	1474.7805	0.0003	0	150	161 LPSQIGKHFIYER					Mascot
41	triple functional domain protein [Danio rerio]				gi 157074231		348904	6.09	24	35	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	807.4028	807.3951	-0.0077	-10	1013	1018 MEDRLK			Oxidation (M)[1]		Mascot
	1077.58	1077.5499	-0.0301	-28	1220	1229 GHSHAAEIKK					Mascot
	1122.5394	1122.588	0.0486	43	2688	2696 GECVTLRCK			Carbamidomethyl (C)[3,8]		Mascot
	1153.5345	1153.5513	0.0168	15	2504	2513 HSTHSKADADR					Mascot
	1165.7013	1165.738	0.0367	31	2114	2122 IMKYQLLLK			Oxidation (M)[2]		Mascot
	1169.6346	1169.6079	-0.0267	-23	256	265 MIEEHAALKK					Mascot
	1181.5177	1181.5851	0.0674	57	1448	1457 ELLTCCEEGK			Carbamidomethyl (C)[5]		Mascot
	1186.6538	1186.6383	-0.0155	-13	1688	1697 RGQTVEVLER					Mascot
	1186.6691	1186.6383	-0.0308	-26	83	93 RGGPVLTFPSR					Mascot
	1194.5531	1194.5823	0.0292	24	3046	3055 RSAECIDTSR			Carbamidomethyl (C)[5]		Mascot
	1194.5531	1194.5823	0.0292	24	3046	3055 RSAECIDTSR	5	0	Carbamidomethyl (C)[5]		Mascot
	1221.5543	1221.475	-0.0793	-65	362	370 MFDWIMHNK					Mascot
	1221.5543	1221.475	-0.0793	-65	362	370 MFDWIMHNK					Mascot
	1268.5438	1268.6265	0.0827	65	1390	1398 FQMYVNYCK			Carbamidomethyl (C)[8], Oxidation (M)[3]		Mascot
	1284.5242	1284.6198	0.0956	74	2151	2160 RCNDMMNVGR			Carbamidomethyl (C)[2], Oxidation (M)[5,6]		Mascot
	1453.7244	1453.66	-0.0644	-44	1304	1315 DFIMAELIQTEK			Oxidation (M)[4]		Mascot
	1474.7577	1474.7805	0.0228	15	692	702 ELWTWLEELQK					Mascot
	1582.7791	1582.7954	0.0163	10	3014	3026 DFMCLLLRMEPSK					Mascot
	1708.64	1708.7949	0.1549	91	464	476 CDQYMSNVDSWCK			Carbamidomethyl (C)[1,12], Oxidation (M)[5]		Mascot
	1710.8744	1710.7849	-0.0895	-52	3027	3040 RPPATSCLQEPWLR			Carbamidomethyl (C)[7]		Mascot
	1852.9512	1852.9144	-0.0368	-20	270	285 APVEEVDNEGQRLLQR					Mascot
	1960.932	1960.9036	-0.0284	-14	1547	1564 LFTSELGVTEHVEGDPCK					Mascot
	2233.0806	2233.071	-0.0096	-4	1545	1564 SKLFTSELGVTEHVEGDPCK			Carbamidomethyl (C)[19]		Mascot
	2283.1372	2283.1641	0.0269	12	3022	3040 MEPSKRPPATSCLQEPWLR			Carbamidomethyl (C)[12]		Mascot
	2763.4207	2763.3052	-0.1155	-42	107	131 LIAYLAGIPSEDVCKHGFTVIVDMR			Oxidation (M)[24]		Mascot
	2818.2117	2818.2898	0.0781	28	1047	1072 EEDWCGGADKLGPNCESDHVTMISK					Mascot
42	hypothetical protein LOC567341 [Danio rerio]				gi 70887749		23088.8	5.53	7	35	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1078.568	1078.4968	-0.0712	-66	41	48 RPSYLEWK					Mascot
	1122.5472	1122.588	0.0408	36	143	151 VEQTCHLHR					Mascot
	1309.7335	1309.6635	-0.07	-53	71	82 DAGLKPRATPQR					Mascot

	1420.7478	1420.7194	-0.0284	-20	141	151	LKVEQTCHLHR					Carbamidomethyl (C)[7]	Mascot
	1515.806	1515.7654	-0.0406	-27	122	133	IQDQQLARQLMR					Oxidation (M)[11]	Mascot
	1708.817	1708.7949	-0.0221	-13	83	98	TIEDSQMTAGNLISR					Oxidation (M)[7]	Mascot
	2246.1194	2246.0596	-0.0598	-27	78	98	ATPQRTIEDSQMTAGN LISR						Mascot
	2246.1194	2246.0596	-0.0598	-27	78	98	ATPQRTIEDSQMTAGN LISR						Mascot
43	serine/threonine-protein kinase 12 [Danio rerio]				gi 47086895		36923.1	9.15	8	35	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1153.567	1153.5513	-0.0157	-14	136	144	GEMYKELQR					Mascot
	1169.5619	1169.6079	0.046	39	136	144	GEMYKELQR			Oxidation (M)[3]		Mascot
	1221.5933	1221.475	-0.1183	-97	310	320	VLPPVCSSEPH			Carbamidomethyl (C)[6]		Mascot
	1221.5933	1221.475	-0.1183	-97	310	320	VLPPVCSSEPH			Carbamidomethyl (C)[6]		Mascot
	1309.7223	1309.6635	-0.0588	-45	11	23	VQQTSPAGVGPLR					Mascot
	1558.8588	1558.8654	0.0066	4	264	277	VDLQFPKLVSEGAR					Mascot
	1582.7278	1582.7954	0.0676	43	24	38	VEMNPDTHAVSGPGR			Oxidation (M)[3]		Mascot
	1711.9027	1711.7893	-0.1134	-66	192	206	IADFGWSVHAPSLRR					Mascot
	2246.0105	2246.0596	0.0491	22	153	171	TATYMEEVSDALQYCHE KK					Mascot
	2246.0105	2246.0596	0.0491	22	153	171	TATYMEEVSDALQYCHE KK					Mascot
	2779.1975	2779.3013	0.1038	37	148	170	FDDQRTATYMEEVSDAL QYCHEK					Mascot
	2795.1924	2795.3018	0.1094	39	148	170	FDDQRTATYMEEVSDAL QYCHEK			Oxidation (M)[10]		Mascot

44 PREDICTED: lymphatic vessel endothelial hyaluronidase 1 [Danio rerio] gi|189522073 36715.9 5.51 8 35 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1165.6113	1165.738	0.1267	109	176	185	LPSHWSSVPR					Mascot
	1186.5996	1186.6383	0.0387	33	103	113	VKVNPNCGNGK			Carbamidomethyl (C)[7]		Mascot
	1186.5996	1186.6383	0.0387	33	103	113	VKVNPNCGNGK			Carbamidomethyl (C)[7]		Mascot
	1194.6589	1194.5823	-0.0766	-64	158	169	SSVAPTAGVHLR					Mascot
	1194.6589	1194.5823	-0.0766	-64	158	169	SSVAPTAGVHLR					Mascot
	1314.7164	1314.7285	0.0121	9	114	125	TGVVVWRADPSK					Mascot
	1410.545	1410.7004	0.1554	110	4	14	VCMGMMMMMIK			Carbamidomethyl (C)[2], Oxidation (M)[3,5,6]		Mascot
	1410.545	1410.7004	0.1554	110	4	14	VCMGMMMMMIK			Carbamidomethyl (C)[2], Oxidation (M)[3,5,6]		Mascot

	1426.54	1426.6937	0.1537	108	4	14	VCMGMMMMMIK							Carbamidomethyl (C)[2], Oxidation (M)[3,5,6,7]	Mascot
	1426.7358	1426.6937	-0.0421	-30	62	74	DLCEHLGLTIANK								Mascot
	1442.5349	1442.6952	0.1603	111	4	14	VCMGMMMMMIK							Carbamidomethyl (C)[2], Oxidation (M)[3,5,6,7,8]	Mascot
	1711.8544	1711.7893	-0.0651	-38	75	89	AQLAEAQKHGLETCT							Carbamidomethyl (C)[14]	Mascot
	2794.3027	2794.3076	0.0049	2	121	144	ADPSKQFDVFCFNVDTFETQASIK							Carbamidomethyl (C)[11]	Mascot
45	erythrocyte band 7 integral membrane protein [Danio rerio]						gi 18859437	31584.7	5.33	3	35	0	25	10.742	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1221.5529	1221.475	-0.0779	-64	6	15	ETAAMREEER					Mascot
1221.5529	1221.475	-0.0779	-64	6	15	ETAAMREEER	25	10.742			Mascot
1558.7748	1558.8654	0.0906	58	114	127	DSVTVSVDGVVYYR					Mascot
2762.2573	2762.323	0.0657	24	170	193	EEIAHSMQSTLDDATDDWGIVKVER			Oxidation (M)[7]		Mascot

46 PREDICTED: desmoplakin, partial [Danio rerio] gi|326677406 251614.7 5.73 20 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4359	807.3951	-0.0408	-51	226	232	GEFVSLR					Mascot
1078.5527	1078.4968	-0.0559	-52	1731	1739	IDVDVAYQR					Mascot
1093.5194	1093.5265	0.0071	6	459	468	DGETCISAIK			Carbamidomethyl (C)[5]		Mascot
1093.5194	1093.5265	0.0071	6	459	468	DGETCISAIK			Carbamidomethyl (C)[5]		Mascot
1153.6398	1153.5513	-0.0885	-77	316	324	YQKVLLSMR			Oxidation (M)[8]		Mascot
1165.6285	1165.738	0.1095	94	1337	1346	VIFEQLMTGK					Mascot
1181.5541	1181.5851	0.031	26	285	294	DMMKAEDVVK			Oxidation (M)[2]		Mascot
1194.5784	1194.5823	0.0039	3	1278	1287	TEMQALRDSK			Oxidation (M)[3]		Mascot
1194.5784	1194.5823	0.0039	3	1278	1287	TEMQALRDSK			Oxidation (M)[3]		Mascot
1221.6144	1221.475	-0.1394	-114	667	676	MELEKTVSER					Mascot
1221.6144	1221.475	-0.1394	-114	667	676	MELEKTVSER					Mascot
1268.7321	1268.6265	-0.1056	-83	1362	1376	GTGAIAGLAAGPKGK					Mascot
1314.7562	1314.7285	-0.0277	-21	173	183	MLNELNALRLK					Mascot
1332.639	1332.6663	0.0273	20	6	17	GDEGILKDNSER					Mascot
1410.7509	1410.7004	-0.0505	-36	1942	1954	TETIKSISSMSVK					Mascot
1410.7509	1410.7004	-0.0505	-36	1942	1954	TETIKSISSMSVK					Mascot

	1426.7285	1426.6937	-0.0348	-24	1583	1594	EGKITSQEIEHR							Mascot
	1426.7285	1426.6937	-0.0348	-24	1583	1594	EGKITSQEIEHR							Mascot
	1453.7104	1453.66	-0.0504	-35	250	261	YLSGQLDIMNQR			Oxidation (M)[9]				Mascot
	1515.8053	1515.7654	-0.0399	-26	519	531	SSDYKLLLASQK							Mascot
	1710.7826	1710.7849	0.0023	1	2095	2108	SLEEALQMGWLDMR			Oxidation (M)[8,13]				Mascot
	1956.8636	1957.0361	0.1725	88	1041	1058	SMEEEKSCALNVSSGETE R							Mascot
	1956.9919	1957.0361	0.0442	23	1999	2017	LLEAQAQTGGIVSPDNGR R							Mascot
	2144.0078	2144.1218	0.114	53	399	416	RYMQSSSQLSGWIDETQ K							Mascot
	2144.0078	2144.1218	0.114	53	399	416	RYMQSSSQLSGWIDETQ K							Mascot
	2762.3413	2762.323	-0.0183	-7	417	440	QIDSQHSVKMEDSAAYT QLLNQQK							Mascot
	2778.3362	2778.3147	-0.0215	-8	417	440	QIDSQHSVKMEDSAAYT QLLNQQK			Oxidation (M)[10]				Mascot

47 PREDICTED: band 4.1-like protein 2-like, partial [Danio rerio] gi|326676922 65324.6 5.24 1 25 17.082

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1221.5481	1221.475	-0.0731	-60	127	136	SVKEEDEEEK	25	17.082		2	Mascot

48 stomatin [Danio rerio] gi|123233002 6957.7 5.25 1 25 10.742

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1221.5529	1221.475	-0.0779	-64	6	15	ETAAMREEER	25	10.742		3	Mascot

49 Unknown (protein for IMAGE:8129958) [Danio rerio] gi|112418958 20963.9 8.4 1 25 6.535

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1186.6538	1186.6383	-0.0155	-13	165	174	QDADITVRLR	25	6.535		3	Mascot

50 PREDICTED: hypothetical protein LOC100331676 [Danio rerio] gi|292611776 26950 4.93 1 24 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1186.6613	1186.6383	-0.023	-19	62	72	KMLAESAIPR	24	0		4	Mascot

Gel Idx/Pos	205/I5	Instr./Gel Origin	BA2060/110707A				Process Status	Analysis Succeeded	
Plate [#] Name	[1] 31496	Instrument Sample Name					Spectra	11	

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	hypothetical protein LOC100034647 [Danio rerio]	gi 131888757	46317.3	5.36	25	783	100	547	100

Peptide Information										Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification		
1009.5312	1009.5175	-0.0137	-14	287	294	SEFTELKR					Mascot
1026.4309	1026.417	-0.0139	-14	162	169	FDNEQSMR					Mascot
1062.4998	1062.4854	-0.0144	-14	75	83	ATMQNLNDR					Mascot
1077.5609	1077.5387	-0.0222	-21	182	190	VLDELTMTTR					Mascot
1078.4946	1078.4958	0.0012	1	75	83	ATMQNLNDR			Oxidation (M)[3]		Mascot
1093.5558	1093.5406	-0.0152	-14	182	190	VLDELTMTTR			Oxidation (M)[7]		Mascot
1153.5558	1153.5413	-0.0145	-13	366	374	LEMEIAEYR					Mascot
1167.6117	1167.598	-0.0137	-12	170	180	HAVEADISGLR	70	99.997			Mascot
1167.6117	1167.598	-0.0137	-12	170	180	HAVEADISGLR					Mascot
1181.5909	1181.5778	-0.0131	-11	210	219	NHEEELLAAR	82	100			Mascot
1181.5909	1181.5778	-0.0131	-11	210	219	NHEEELLAAR					Mascot
1194.5861	1194.5714	-0.0147	-12	22	35	AGSVYGGAGGSGVR	103	100			Mascot
1194.5861	1194.5714	-0.0147	-12	22	35	AGSVYGGAGGSGVR					Mascot
1214.5476	1214.5306	-0.017	-14	259	267	DFEQWFQSK	59	99.962			Mascot
1214.5476	1214.5306	-0.017	-14	259	267	DFEQWFQSK					Mascot
1253.5942	1253.5792	-0.015	-12	160	169	VKFDNEQSMR					Mascot
1269.5892	1269.5741	-0.0151	-12	160	169	VKFDNEQSMR			Oxidation (M)[9]		Mascot
1295.7067	1295.6909	-0.0158	-12	170	181	HAVEADISGLRK					Mascot
1309.6569	1309.6586	0.0017	1	366	375	LEMEIAEYRR					Mascot
1325.6517	1325.6294	-0.0223	-17	366	375	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1332.6754	1332.6588	-0.0166	-12	311	323	ASLEGLTADTQAR					Mascot
1378.6809	1378.6663	-0.0146	-11	274	286	EVAASTETLQSSR					Mascot
1410.7046	1410.688	-0.0166	-12	364	374	TRLEMEIAEYR					Mascot
1410.7046	1410.688	-0.0166	-12	364	374	TRLEMEIAEYR	51	99.762			Mascot
1414.7788	1414.7891	0.0103	7	93	104	ILEKENADLELK					Mascot
1426.6995	1426.6827	-0.0168	-12	364	374	TRLEMEIAEYR	18	0	Oxidation (M)[5]		Mascot
1426.6995	1426.6827	-0.0168	-12	364	374	TRLEMEIAEYR			Oxidation (M)[5]		Mascot

1516.6843	1516.7217	0.0374	25	2	16	MSSSSIRMSSGGSSR											Mascot
1564.8152	1564.787	-0.0282	-18	352	363	QRQEYQMLLDIK	21	0									Mascot
1564.8152	1564.787	-0.0282	-18	352	363	QRQEYQMLLDIK											Mascot
1580.8101	1580.7896	-0.0205	-13	352	363	QRQEYQMLLDIK							Oxidation (M)[7]				Mascot
1580.8101	1580.7896	-0.0205	-13	352	363	QRQEYQMLLDIK	28	56.629	Oxidation (M)[7]								Mascot
1708.8064	1708.7849	-0.0215	-13	119	133	DYSAYYATISDLQAK											Mascot
1846.9943	1846.9727	-0.0216	-12	295	310	TLQSLQIELQSQLSMK											Mascot
1862.9893	1862.9655	-0.0238	-13	295	310	TLQSLQIELQSQLSMK							Oxidation (M)[15]				Mascot
2020.0974	2020.073	-0.0244	-12	134	152	ILHATGVNAGIYLHIDNAK	153	100									Mascot
2020.0974	2020.073	-0.0244	-12	134	152	ILHATGVNAGIYLHIDNAK											Mascot
2121.1147	2121.092	-0.0227	-11	191	208	SDLEMQIEGLKEELVFLK											Mascot
2137.1096	2137.0896	-0.02	-9	191	208	SDLEMQIEGLKEELVFLK							Oxidation (M)[5]				Mascot
2230.0657	2230.0452	-0.0205	-9	220	240	TQMGGQVNVVEVDAAPQ EDLTK											Mascot
2246.0605	2246.0422	-0.0183	-8	220	240	TQMGGQVNVVEVDAAPQ EDLTK							Oxidation (M)[3]				Mascot
2675.3608	2675.3347	-0.0261	-10	324	346	YANMLNGYQLQVGSLEE QLVHLR											Mascot
2691.356	2691.3345	-0.0215	-8	324	346	YANMLNGYQLQVGSLEE QLVHLR							Oxidation (M)[4]				Mascot
2778.2236	2778.2092	-0.0144	-5	44	74	SYSAGGGAGFGGGAGA GFNLSDGIDSSANEK											Mascot

2 Type I cytokeratin, enveloping layer [Danio rerio] gi|41388915 46524.6 5.13 13 311 100 236 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1062.4998	1062.4854	-0.0144	-14	83	91	ATMQNLNDR					Mascot
1077.5609	1077.5387	-0.0222	-21	190	198	VLDELTMTTR					Mascot
1078.4946	1078.4958	0.0012	1	83	91	ATMQNLNDR			Oxidation (M)[3]		Mascot
1093.5558	1093.5406	-0.0152	-14	190	198	VLDELTMTTR			Oxidation (M)[7]		Mascot
1153.5558	1153.5413	-0.0145	-13	374	382	LEMEIAEYR					Mascot
1181.5909	1181.5778	-0.0131	-11	218	227	NHEEELLAAR	82	100			Mascot
1181.5909	1181.5778	-0.0131	-11	218	227	NHEEELLAAR					Mascot
1194.5861	1194.5714	-0.0147	-12	30	43	AGSVYGGAGGSGVR	103	100			Mascot
1194.5861	1194.5714	-0.0147	-12	30	43	AGSVYGGAGGSGVR					Mascot
1309.6569	1309.6586	0.0017	1	374	383	LEMEIAEYRR					Mascot
1325.6517	1325.6294	-0.0223	-17	374	383	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1332.6754	1332.6588	-0.0166	-12	319	331	ASLEGLTADTQAR					Mascot
1410.7046	1410.688	-0.0166	-12	372	382	TRLEMEIAEYR					Mascot
1410.7046	1410.688	-0.0166	-12	372	382	TRLEMEIAEYR	51	99.762			Mascot

		1414.8151	1414.7891	-0.026	-18	401	413	KVVTIVEEVVDGK								Mascot
		1426.6995	1426.6827	-0.0168	-12	372	382	TRLEMEIAEYR	18	0	Oxidation (M)[5]					Mascot
		1426.6995	1426.6827	-0.0168	-12	372	382	TRLEMEIAEYR			Oxidation (M)[5]					Mascot
		1516.6843	1516.7217	0.0374	25	1	15	MSSSSIRMSSGGSSR								Mascot
		1708.8064	1708.7849	-0.0215	-13	127	141	DYSAYYATISDLQAK								Mascot
		2020.0743	2020.073	-0.0013	-1	302	318	RTLQSLEIELSQLSMK			Oxidation (M)[16]					Mascot
		2020.0743	2020.073	-0.0013	-1	302	318	RTLQSLEIELSQLSMK			Oxidation (M)[16]					Mascot
		2225.0867	2225.0935	0.0068	3	170	188	YENELSMRQSVEADIVGL R			Oxidation (M)[7]					Mascot
3	type I cytokeratin, enveloping layer [Danio rerio]					gi 18858519		46655.7	5.13	13	310	100	236	100		
	Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification			Rank	Result Type
		1062.4998	1062.4854	-0.0144	-14	84	92 ATMQNLNDR									Mascot
		1077.5609	1077.5387	-0.0222	-21	191	199 VLDELTMTNR									Mascot
		1078.4946	1078.4958	0.0012	1	84	92 ATMQNLNDR					Oxidation (M)[3]				Mascot
		1093.5558	1093.5406	-0.0152	-14	191	199 VLDELTMTNR					Oxidation (M)[7]				Mascot
		1153.5558	1153.5413	-0.0145	-13	375	383 LEMEIAEYR									Mascot
		1181.5909	1181.5778	-0.0131	-11	219	228 NHEEEELLAAR	82		100						Mascot
		1181.5909	1181.5778	-0.0131	-11	219	228 NHEEEELLAAR									Mascot
		1194.5861	1194.5714	-0.0147	-12	31	44 AGSVYGGAGGSGVR	103		100						Mascot
		1194.5861	1194.5714	-0.0147	-12	31	44 AGSVYGGAGGSGVR									Mascot
		1309.6569	1309.6586	0.0017	1	375	384 LEMEIAEYRR									Mascot
		1325.6517	1325.6294	-0.0223	-17	375	384 LEMEIAEYRR					Oxidation (M)[3]				Mascot
		1332.6754	1332.6588	-0.0166	-12	320	332 ASLEGTLADTQAR									Mascot
		1410.7046	1410.688	-0.0166	-12	373	383 TRLEMEIAEYR									Mascot
		1410.7046	1410.688	-0.0166	-12	373	383 TRLEMEIAEYR	51		99.762						Mascot
		1414.8151	1414.7891	-0.026	-18	402	414 KVVTIVEEVVDGK									Mascot
		1426.6995	1426.6827	-0.0168	-12	373	383 TRLEMEIAEYR	18		0	Oxidation (M)[5]					Mascot
		1426.6995	1426.6827	-0.0168	-12	373	383 TRLEMEIAEYR					Oxidation (M)[5]				Mascot
		1516.6843	1516.7217	0.0374	25	2	16 MSSSSIRMSSGGSSR									Mascot
		1708.8064	1708.7849	-0.0215	-13	128	142 DYSAYYATISDLQAK									Mascot
		2020.0743	2020.073	-0.0013	-1	303	319 RTLQSLEIELSQLSMK					Oxidation (M)[16]				Mascot
		2020.0743	2020.073	-0.0013	-1	303	319 RTLQSLEIELSQLSMK					Oxidation (M)[16]				Mascot
		2225.0867	2225.0935	0.0068	3	171	189 YENELSMRQSVEADIVGL R					Oxidation (M)[7]				Mascot
4	type I cytokeratin, enveloping layer [Danio rerio]					gi 94732411		40437.7	5.15	12	307	100	236	100		

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type	
1077.5609	1077.5387	-0.0222	-21	129	137 VLDELTMTTR					Mascot	
1093.5558	1093.5406	-0.0152	-14	129	137 VLDELTMTTR			Oxidation (M)[7]		Mascot	
1153.5558	1153.5413	-0.0145	-13	313	321 LEMEIAEYR					Mascot	
1181.5909	1181.5778	-0.0131	-11	157	166 NHEEELLAAR	82	100			Mascot	
1181.5909	1181.5778	-0.0131	-11	157	166 NHEEELLAAR					Mascot	
1194.5861	1194.5714	-0.0147	-12	31	44 AGSVYGGAGGSGVR	103	100			Mascot	
1194.5861	1194.5714	-0.0147	-12	31	44 AGSVYGGAGGSGVR					Mascot	
1309.6569	1309.6586	0.0017	1	313	322 LEMEIAEYRR					Mascot	
1325.6517	1325.6294	-0.0223	-17	313	322 LEMEIAEYRR			Oxidation (M)[3]		Mascot	
1332.6754	1332.6588	-0.0166	-12	258	270 ASLEGLTADTQAR					Mascot	
1410.7046	1410.688	-0.0166	-12	311	321 TRLEMEIAEYR					Mascot	
1410.7046	1410.688	-0.0166	-12	311	321 TRLEMEIAEYR	51	99.762			Mascot	
1414.8151	1414.7891	-0.026	-18	340	352 KVVTVIEEVVDGK					Mascot	
1426.6995	1426.6827	-0.0168	-12	311	321 TRLEMEIAEYR	18	0	Oxidation (M)[5]		Mascot	
1426.6995	1426.6827	-0.0168	-12	311	321 TRLEMEIAEYR			Oxidation (M)[5]		Mascot	
1516.6843	1516.7217	0.0374	25	2	16 MSSSSIRMSSGGSSR					Mascot	
1708.8064	1708.7849	-0.0215	-13	66	80 DYSAYYATISDLQAK					Mascot	
2020.0743	2020.073	-0.0013	-1	241	257 RTLQSLIEIQSQLSMK			Oxidation (M)[16]		Mascot	
2020.0743	2020.073	-0.0013	-1	241	257 RTLQSLIEIQSQLSMK			Oxidation (M)[16]		Mascot	
2225.0867	2225.0935	0.0068	3	109	127 YENELSMRQSV EADIVGLR			Oxidation (M)[7]		Mascot	
5	type I cytokeratin, enveloping layer, like [Danio rerio]			gi 130504059	46617.6	5.13	12	301	100	236	100

Peptide Information										
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
1062.4998	1062.4854	-0.0144	-14	84	92 ATMQNLNDR					Mascot
1077.5609	1077.5387	-0.0222	-21	191	199 VLDELTMTTR					Mascot
1078.4946	1078.4958	0.0012	1	84	92 ATMQNLNDR			Oxidation (M)[3]		Mascot
1093.5558	1093.5406	-0.0152	-14	191	199 VLDELTMTTR			Oxidation (M)[7]		Mascot
1153.5558	1153.5413	-0.0145	-13	375	383 LEMEIAEYR					Mascot
1181.5909	1181.5778	-0.0131	-11	219	228 NHEEELLAAR	82	100			Mascot
1181.5909	1181.5778	-0.0131	-11	219	228 NHEEELLAAR					Mascot
1194.5861	1194.5714	-0.0147	-12	31	44 AGSVYGGAGGSGVR	103	100			Mascot

1194.5861	1194.5714	-0.0147	-12	31	44	AGSVYGGAGGSGVR										Mascot
1309.6569	1309.6586	0.0017	1	375	384	LEMEIAEYRR										Mascot
1325.6517	1325.6294	-0.0223	-17	375	384	LEMEIAEYRR						Oxidation (M)[3]				Mascot
1332.6754	1332.6588	-0.0166	-12	320	332	ASLEGLADTQAR										Mascot
1410.7046	1410.688	-0.0166	-12	373	383	TRLEMEIAEYR										Mascot
1410.7046	1410.688	-0.0166	-12	373	383	TRLEMEIAEYR	51	99.762								Mascot
1414.8151	1414.7891	-0.026	-18	402	414	KVVTIVEEVVDGK										Mascot
1426.6995	1426.6827	-0.0168	-12	373	383	TRLEMEIAEYR	18	0	Oxidation (M)[5]							Mascot
1426.6995	1426.6827	-0.0168	-12	373	383	TRLEMEIAEYR			Oxidation (M)[5]							Mascot
1516.6843	1516.7217	0.0374	25	2	16	MSSSSIRMSSGGSSR										Mascot
1708.8064	1708.7849	-0.0215	-13	128	142	DYSAYYATISDLQAK										Mascot
2020.0743	2020.073	-0.0013	-1	303	319	RTLQSLEIELQSQLSMK			Oxidation (M)[16]							Mascot
2020.0743	2020.073	-0.0013	-1	303	319	RTLQSLEIELQSQLSMK			Oxidation (M)[16]							Mascot

6

Zgc:109868 protein [Danio rerio]

gi|120537710

47066.8

5.25

11

209

100

154

100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1062.4998	1062.4854	-0.0144	-14	80	88	ATMQNLNDR				Mascot
1077.5609	1077.5387	-0.0222	-21	187	195	VLDELTMTTR				Mascot
1078.4946	1078.4958	0.0012	1	80	88	ATMQNLNDR		Oxidation (M)[3]		Mascot
1093.5558	1093.5406	-0.0152	-14	187	195	VLDELTMTTR		Oxidation (M)[7]		Mascot
1153.5558	1153.5413	-0.0145	-13	371	379	LEMEIAEYR				Mascot
1194.5861	1194.5714	-0.0147	-12	32	45	AGSVYGGAGGSGVR	103	100		Mascot
1194.5861	1194.5714	-0.0147	-12	32	45	AGSVYGGAGGSGVR				Mascot
1309.6569	1309.6586	0.0017	1	371	380	LEMEIAEYRR				Mascot
1325.6517	1325.6294	-0.0223	-17	371	380	LEMEIAEYRR		Oxidation (M)[3]		Mascot
1332.6754	1332.6588	-0.0166	-12	316	328	ASLEGLADTQAR				Mascot
1410.7046	1410.688	-0.0166	-12	369	379	TRLEMEIAEYR				Mascot
1410.7046	1410.688	-0.0166	-12	369	379	TRLEMEIAEYR	51	99.762		Mascot
1414.8151	1414.7891	-0.026	-18	400	412	KVVTIVEEVVDGK				Mascot
1426.6995	1426.6827	-0.0168	-12	369	379	TRLEMEIAEYR	18	0	Oxidation (M)[5]	Mascot
1426.6995	1426.6827	-0.0168	-12	369	379	TRLEMEIAEYR		Oxidation (M)[5]		Mascot
2020.0743	2020.073	-0.0013	-1	299	315	RTLQSLEIELQSQLSMK		Oxidation (M)[16]		Mascot
2020.0743	2020.073	-0.0013	-1	299	315	RTLQSLEIELQSQLSMK		Oxidation (M)[16]		Mascot
2676.3337	2676.3235	-0.0102	-4	329	351	YAAMLSGYQFQVSSLEE QLVQLR		Oxidation (M)[4]		Mascot
2773.4268	2773.4209	-0.0059	-2	139	164	IQHATGLNGGIYLSIDNAK				Mascot

7 novel protein similar to type I cytoke... LAADDFR
 layer [Danio rerio] gi|94732405 43116.8 5.22 10 204 100 154 100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1062.4998	1062.4854	-0.0144	-14	82	90	ATMQNLNDR				Mascot
1077.5609	1077.5387	-0.0222	-21	189	197	VLDELTMTTR				Mascot
1078.4946	1078.4958	0.0012	1	82	90	ATMQNLNDR			Oxidation (M)[3]	Mascot
1093.5558	1093.5406	-0.0152	-14	189	197	VLDELTMTTR			Oxidation (M)[7]	Mascot
1153.5558	1153.5413	-0.0145	-13	373	381	LEMEIAEYR				Mascot
1194.5861	1194.5714	-0.0147	-12	34	47	AGSVYGGAGGSGVR	103	100		Mascot
1194.5861	1194.5714	-0.0147	-12	34	47	AGSVYGGAGGSGVR				Mascot
1309.6569	1309.6586	0.0017	1	373	382	LEMEIAEYRR				Mascot
1325.6517	1325.6294	-0.0223	-17	373	382	LEMEIAEYRR			Oxidation (M)[3]	Mascot
1332.6754	1332.6588	-0.0166	-12	318	330	ASLEGTLADTQAR				Mascot
1410.7046	1410.688	-0.0166	-12	371	381	TRLEMEIAEYR				Mascot
1410.7046	1410.688	-0.0166	-12	371	381	TRLEMEIAEYR	51	99.762		Mascot
1426.6995	1426.6827	-0.0168	-12	371	381	TRLEMEIAEYR	18	0	Oxidation (M)[5]	Mascot
1426.6995	1426.6827	-0.0168	-12	371	381	TRLEMEIAEYR			Oxidation (M)[5]	Mascot
2020.0743	2020.073	-0.0013	-1	301	317	RTLQSLEIELQSQLSMK			Oxidation (M)[16]	Mascot
2020.0743	2020.073	-0.0013	-1	301	317	RTLQSLEIELQSQLSMK			Oxidation (M)[16]	Mascot
2676.3337	2676.3235	-0.0102	-4	331	353	YAAMLSGYQFQVSSLEE QLVQLR			Oxidation (M)[4]	Mascot
2773.4268	2773.4209	-0.0059	-2	141	166	IQHATGLNGGIYLSIDNAK LAADDFR				Mascot

8 Zgc:109868 [Danio rerio] gi|92097956 47235.8 5.25 10 201 100 154 100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1062.4998	1062.4854	-0.0144	-14	82	90	ATMQNLNDR				Mascot
1077.5609	1077.5387	-0.0222	-21	189	197	VLDELTMTTR				Mascot
1078.4946	1078.4958	0.0012	1	82	90	ATMQNLNDR			Oxidation (M)[3]	Mascot
1093.5558	1093.5406	-0.0152	-14	189	197	VLDELTMTTR			Oxidation (M)[7]	Mascot
1153.5558	1153.5413	-0.0145	-13	373	381	LEMEIAEYR				Mascot
1194.5861	1194.5714	-0.0147	-12	34	47	AGSVYGGAGGSGVR	103	100		Mascot
1194.5861	1194.5714	-0.0147	-12	34	47	AGSVYGGAGGSGVR				Mascot

	1309.6569	1309.6586	0.0017	1	373	382	LEMEIAEYRR									Mascot
	1325.6517	1325.6294	-0.0223	-17	373	382	LEMEIAEYRR						Oxidation (M)[3]			Mascot
	1332.6754	1332.6588	-0.0166	-12	318	330	ASLEGLADTQAR									Mascot
	1410.7046	1410.688	-0.0166	-12	371	381	TRLEMEIAEYR									Mascot
	1410.7046	1410.688	-0.0166	-12	371	381	TRLEMEIAEYR	51		99.762						Mascot
	1426.6995	1426.6827	-0.0168	-12	371	381	TRLEMEIAEYR	18		0	Oxidation (M)[5]					Mascot
	1426.6995	1426.6827	-0.0168	-12	371	381	TRLEMEIAEYR				Oxidation (M)[5]					Mascot
	2020.0743	2020.073	-0.0013	-1	301	317	RTLQSLEIELQSQLSMK				Oxidation (M)[16]					Mascot
	2020.0743	2020.073	-0.0013	-1	301	317	RTLQSLEIELQSQLSMK				Oxidation (M)[16]					Mascot
	2676.3337	2676.3235	-0.0102	-4	331	353	YAAMLSGYQFQVSSLEE QLVQLR				Oxidation (M)[4]					Mascot
	2773.4268	2773.4209	-0.0059	-2	141	166	IQHATGLNGGIYLSIDNAK LAADDFR									Mascot
9	cytokeratin-like [Danio rerio]				gi 62955621		47177.9	5.31	10	199	100	154	100			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	1062.4998	1062.4854	-0.0144	-14	81	89	ATMQNLNDR							Mascot
	1077.5609	1077.5387	-0.0222	-21	188	196	VLDELTMTTR							Mascot
	1078.4946	1078.4958	0.0012	1	81	89	ATMQNLNDR				Oxidation (M)[3]			Mascot
	1093.5558	1093.5406	-0.0152	-14	188	196	VLDELTMTTR				Oxidation (M)[7]			Mascot
	1153.5558	1153.5413	-0.0145	-13	372	380	LEMEIAEYR							Mascot
	1194.5861	1194.5714	-0.0147	-12	33	46	AGSVYGGAGGSGVR	103		100				Mascot
	1194.5861	1194.5714	-0.0147	-12	33	46	AGSVYGGAGGSGVR							Mascot
	1309.6569	1309.6586	0.0017	1	372	381	LEMEIAEYRR							Mascot
	1325.6517	1325.6294	-0.0223	-17	372	381	LEMEIAEYRR				Oxidation (M)[3]			Mascot
	1332.6754	1332.6588	-0.0166	-12	317	329	ASLEGLADTQAR							Mascot
	1410.7046	1410.688	-0.0166	-12	370	380	TRLEMEIAEYR							Mascot
	1410.7046	1410.688	-0.0166	-12	370	380	TRLEMEIAEYR	51		99.762				Mascot
	1414.8151	1414.7891	-0.026	-18	401	413	KVVTIVEEVVDGK							Mascot
	1426.6995	1426.6827	-0.0168	-12	370	380	TRLEMEIAEYR	18		0	Oxidation (M)[5]			Mascot
	1426.6995	1426.6827	-0.0168	-12	370	380	TRLEMEIAEYR				Oxidation (M)[5]			Mascot
	2020.0743	2020.073	-0.0013	-1	300	316	RTLQSLEIELQSQLSMK				Oxidation (M)[16]			Mascot
	2020.0743	2020.073	-0.0013	-1	300	316	RTLQSLEIELQSQLSMK				Oxidation (M)[16]			Mascot
	2773.4268	2773.4209	-0.0059	-2	140	165	IQHATGLNGGIYLSIDNAK LAADDFR							Mascot
10	novel protein similar to type I cytokeratin, enveloping layer [Danio rerio]				gi 94732413		49661.4	5.31	7	155	100	133	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1062.4998	1062.4854	-0.0144	-14	105	113	ATMQNLNDR					Mascot
1077.5609	1077.5387	-0.0222	-21	212	220	VLDELTMTTR					Mascot
1078.4946	1078.4958	0.0012	1	105	113	ATMQNLNDR			Oxidation (M)[3]		Mascot
1093.5558	1093.5406	-0.0152	-14	212	220	VLDELTMTTR			Oxidation (M)[7]		Mascot
1153.5558	1153.5413	-0.0145	-13	396	404	LEMEIAEYR					Mascot
1181.5909	1181.5778	-0.0131	-11	240	249	NHEEELLAAR	82	100			Mascot
1181.5909	1181.5778	-0.0131	-11	240	249	NHEEELLAAR					Mascot
1309.6569	1309.6586	0.0017	1	396	405	LEMEIAEYRR					Mascot
1325.6517	1325.6294	-0.0223	-17	396	405	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1332.6754	1332.6588	-0.0166	-12	341	353	ASLEGLTADTQAR					Mascot
1410.7046	1410.688	-0.0166	-12	394	404	TRLEMEIAEYR					Mascot
1410.7046	1410.688	-0.0166	-12	394	404	TRLEMEIAEYR	51	99.762			Mascot
1426.6995	1426.6827	-0.0168	-12	394	404	TRLEMEIAEYR	18	0	Oxidation (M)[5]		Mascot
1426.6995	1426.6827	-0.0168	-12	394	404	TRLEMEIAEYR			Oxidation (M)[5]		Mascot

11 type I cytokeratin [Danio rerio] gi|18858423 46692.5 5.38 10 93 99.998 51 99.762

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1062.4998	1062.4854	-0.0144	-14	80	88	ATMQNLNDR					Mascot
1077.5609	1077.5387	-0.0222	-21	187	195	VLDELTMTTR					Mascot
1078.4946	1078.4958	0.0012	1	80	88	ATMQNLNDR			Oxidation (M)[3]		Mascot
1093.5312	1093.5406	0.0094	9	264	272	DLEGWFQAK					Mascot
1153.5558	1153.5413	-0.0145	-13	371	379	LEMEIAEYR					Mascot
1309.6569	1309.6586	0.0017	1	371	380	LEMEIAEYRR					Mascot
1325.6517	1325.6294	-0.0223	-17	371	380	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1332.6754	1332.6588	-0.0166	-12	316	328	ASLEGLTADTQAR					Mascot
1410.7046	1410.688	-0.0166	-12	369	379	TRLEMEIAEYR					Mascot
1410.7046	1410.688	-0.0166	-12	369	379	TRLEMEIAEYR	51	99.762			Mascot
1414.8151	1414.7891	-0.026	-18	398	410	KVVTIVEEVVDGK					Mascot
1426.6995	1426.6827	-0.0168	-12	369	379	TRLEMEIAEYR	18	0	Oxidation (M)[5]		Mascot
1426.6995	1426.6827	-0.0168	-12	369	379	TRLEMEIAEYR			Oxidation (M)[5]		Mascot
2595.0803	2595.313	0.2327	90	1	26	MMSCSSTHTYMSSGGSS RVSGGGAGR			Carbamidomethyl (C)[4]		Mascot
2773.4268	2773.4209	-0.0059	-2	139	164	IQHATGLNGGIYLSIDNAK					Mascot

12 type I cytokeratin, enveloping layer [Danio rerio] LAADDFR gi|94732407 24286.5 4.8 6 83 99.979 51 99.762

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1153.5558	1153.5413	-0.0145	-13	163	171	LEMEIAEYR					Mascot
1309.6569	1309.6586	0.0017	1	163	172	LEMEIAEYRR					Mascot
1325.6517	1325.6294	-0.0223	-17	163	172	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1332.6754	1332.6588	-0.0166	-12	108	120	ASLEGLTADTQAR					Mascot
1410.7046	1410.688	-0.0166	-12	161	171	TRLEMEIAEYR					Mascot
1410.7046	1410.688	-0.0166	-12	161	171	TRLEMEIAEYR	51	99.762			Mascot
1414.8151	1414.7891	-0.026	-18	190	202	KVVTIVEEVVDGK					Mascot
1426.6995	1426.6827	-0.0168	-12	161	171	TRLEMEIAEYR	18	0	Oxidation (M)[5]		Mascot
1426.6995	1426.6827	-0.0168	-12	161	171	TRLEMEIAEYR			Oxidation (M)[5]		Mascot
2020.0743	2020.073	-0.0013	-1	91	107	RTLQSLIELQSQLSMK			Oxidation (M)[16]		Mascot
2020.0743	2020.073	-0.0013	-1	91	107	RTLQSLIELQSQLSMK			Oxidation (M)[16]		Mascot

13 type I keratin [Danio rerio] gi|5733816 11569.6 4.88 4 77 99.917 51 99.762

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1153.5558	1153.5413	-0.0145	-13	64	72	LEMEIAEYR					Mascot
1309.6569	1309.6586	0.0017	1	64	73	LEMEIAEYRR					Mascot
1325.6517	1325.6294	-0.0223	-17	64	73	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1332.6754	1332.6588	-0.0166	-12	9	21	ASLEGLTADTQAR					Mascot
1410.7046	1410.688	-0.0166	-12	62	72	TRLEMEIAEYR					Mascot
1410.7046	1410.688	-0.0166	-12	62	72	TRLEMEIAEYR	51	99.762			Mascot
1426.6995	1426.6827	-0.0168	-12	62	72	TRLEMEIAEYR	18	0	Oxidation (M)[5]		Mascot
1426.6995	1426.6827	-0.0168	-12	62	72	TRLEMEIAEYR			Oxidation (M)[5]		Mascot

14 type I keratin E7-like [Danio rerio] gi|316659401 43783.1 4.97 7 73 99.797 51 99.762

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1078.6255	1078.4958	-0.1297	-120	69	77	LASYLEKVR					Mascot
1153.5558	1153.5413	-0.0145	-13	351	359	LEMEIAEYR					Mascot
1167.6117	1167.598	-0.0137	-12	2	11	SQVTQSF SRK					Mascot

	1167.6117	1167.598	-0.0137	-12	2	11	SQVTQSFSRK						Mascot
	1214.6488	1214.5306	-0.1182	-97	360	369	RLLDGEDIQR						Mascot
	1214.6488	1214.5306	-0.1182	-97	360	369	RLLDGEDIQR						Mascot
	1309.6569	1309.6586	0.0017	1	351	360	LEMEIAEYRR						Mascot
	1325.6517	1325.6294	-0.0223	-17	351	360	LEMEIAEYRR		Oxidation (M)[3]				Mascot
	1410.7046	1410.688	-0.0166	-12	349	359	TRLEMEIAEYR						Mascot
	1410.7046	1410.688	-0.0166	-12	349	359	TRLEMEIAEYR	51	99.762				Mascot
	1426.6995	1426.6827	-0.0168	-12	349	359	TRLEMEIAEYR	18	0	Oxidation (M)[5]			Mascot
	1426.6995	1426.6827	-0.0168	-12	349	359	TRLEMEIAEYR			Oxidation (M)[5]			Mascot
	2137.1096	2137.0896	-0.02	-9	175	192	SDLEMQIEGLKEELVYLK						Mascot
15	novel protein similar to vertebrate keratin type I family [Danio rerio]					gi 94732967	45812.2	5.08	7	72	99.713	51	99.762

Peptide Information											Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification			
1078.6255	1078.4958	-0.1297	-120	140	148	LASYLEKVR					Mascot	
1093.6099	1093.5406	-0.0693	-63	478	488	VVSSSSTSLVK					Mascot	
1153.5558	1153.5413	-0.0145	-13	424	432	LEMEIAEYR					Mascot	

	1194.5861	1194.5714	-0.0147	-12	52	65	SGSVYGGAGGAGVR										Mascot
	1194.5861	1194.5714	-0.0147	-12	52	65	SGSVYGGAGGAGVR										Mascot
	1309.6569	1309.6586	0.0017	1	424	433	LEMEIAEYRR										Mascot
	1325.6517	1325.6294	-0.0223	-17	424	433	LEMEIAEYRR					Oxidation (M)[3]					Mascot
	1410.7046	1410.688	-0.0166	-12	422	432	TRLEMEIAEYR										Mascot
	1410.7046	1410.688	-0.0166	-12	422	432	TRLEMEIAEYR	51	99.762								Mascot
	1426.6995	1426.6827	-0.0168	-12	422	432	TRLEMEIAEYR	18	0	Oxidation (M)[5]							Mascot
	1426.6995	1426.6827	-0.0168	-12	422	432	TRLEMEIAEYR			Oxidation (M)[5]							Mascot
17	type I keratin E7 [Danio rerio]				gi 50539834		49754.6	5.42	7	67	99.132	51	99.762				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1078.6255	1078.4958	-0.1297	-120	90	98	LASYLEKVR					Mascot
1153.5558	1153.5413	-0.0145	-13	372	380	LEMEIAEYR					Mascot
1167.6117	1167.598	-0.0137	-12	2	11	SQVTQSFSRK					Mascot
1167.6117	1167.598	-0.0137	-12	2	11	SQVTQSFSRK					Mascot
1214.6488	1214.5306	-0.1182	-97	381	390	RLLDGEDIQR					Mascot
1214.6488	1214.5306	-0.1182	-97	381	390	RLLDGEDIQR					Mascot
1309.6569	1309.6586	0.0017	1	372	381	LEMEIAEYRR					Mascot
1325.6517	1325.6294	-0.0223	-17	372	381	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1410.7046	1410.688	-0.0166	-12	370	380	TRLEMEIAEYR					Mascot
1410.7046	1410.688	-0.0166	-12	370	380	TRLEMEIAEYR	51	99.762			Mascot
1426.6995	1426.6827	-0.0168	-12	370	380	TRLEMEIAEYR	18	0	Oxidation (M)[5]		Mascot
1426.6995	1426.6827	-0.0168	-12	370	380	TRLEMEIAEYR			Oxidation (M)[5]		Mascot
2137.1096	2137.0896	-0.02	-9	196	213	SDLEMQIEGLKEELVYLK					Mascot

18 keratin 15 [Danio rerio] gi|169158744 48848.4 5.13 5 64 98.347 51 99.762

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1062.4998	1062.4854	-0.0144	-14	109	117	ATMQNLNDR					Mascot
1078.4946	1078.4958	0.0012	1	109	117	ATMQNLNDR			Oxidation (M)[3]		Mascot
1153.5558	1153.5413	-0.0145	-13	400	408	LEMEIAEYR					Mascot
1309.6569	1309.6586	0.0017	1	400	409	LEMEIAEYRR					Mascot
1325.6517	1325.6294	-0.0223	-17	400	409	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1410.7046	1410.688	-0.0166	-12	398	408	TRLEMEIAEYR					Mascot

	1410.7046	1410.688	-0.0166	-12	398	408	TRLEMEIAEYR	51	99.762		Mascot
	1426.6995	1426.6827	-0.0168	-12	398	408	TRLEMEIAEYR	18	0	Oxidation (M)[5]	Mascot
	1426.6995	1426.6827	-0.0168	-12	398	408	TRLEMEIAEYR			Oxidation (M)[5]	Mascot
	1541.7488	1541.6721	-0.0767	-50	41	56	ISSMRAGSVYGGAGGR			Oxidation (M)[4]	Mascot

19 si:dkeyp-113d7.4 [Danio rerio] gi|167234796 49903.8 4.94 5 64 98.145 51 99.762

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1093.6099	1093.5406	-0.0693	-63	463	473	VVSSSSTSLVK					Mascot
1153.5558	1153.5413	-0.0145	-13	409	417	LEMEIAEYR					Mascot
1194.5861	1194.5714	-0.0147	-12	37	50	SGSVYGGAGGAGVR					Mascot
1194.5861	1194.5714	-0.0147	-12	37	50	SGSVYGGAGGAGVR					Mascot
1309.6569	1309.6586	0.0017	1	409	418	LEMEIAEYRR					Mascot
1325.6517	1325.6294	-0.0223	-17	409	418	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1410.7046	1410.688	-0.0166	-12	407	417	TRLEMEIAEYR					Mascot
1410.7046	1410.688	-0.0166	-12	407	417	TRLEMEIAEYR	51	99.762			Mascot
1426.6995	1426.6827	-0.0168	-12	407	417	TRLEMEIAEYR	18	0	Oxidation (M)[5]		Mascot
1426.6995	1426.6827	-0.0168	-12	407	417	TRLEMEIAEYR			Oxidation (M)[5]		Mascot

20 Si:dkeyp-113d7.4 protein [Danio rerio] gi|126632119 51495.6 5 5 63 97.966 51 99.762

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1093.6099	1093.5406	-0.0693	-63	478	488	VVSSSSTSLVK					Mascot
1153.5558	1153.5413	-0.0145	-13	424	432	LEMEIAEYR					Mascot
1194.5861	1194.5714	-0.0147	-12	52	65	SGSVYGGAGGAGVR					Mascot
1194.5861	1194.5714	-0.0147	-12	52	65	SGSVYGGAGGAGVR					Mascot
1309.6569	1309.6586	0.0017	1	424	433	LEMEIAEYRR					Mascot
1325.6517	1325.6294	-0.0223	-17	424	433	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1410.7046	1410.688	-0.0166	-12	422	432	TRLEMEIAEYR					Mascot
1410.7046	1410.688	-0.0166	-12	422	432	TRLEMEIAEYR	51	99.762			Mascot
1426.6995	1426.6827	-0.0168	-12	422	432	TRLEMEIAEYR	18	0	Oxidation (M)[5]		Mascot
1426.6995	1426.6827	-0.0168	-12	422	432	TRLEMEIAEYR			Oxidation (M)[5]		Mascot

21 insulin receptor a [Danio rerio] gi|218082480 153164.5 6.26 23 62 97.256

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1026.4375	1026.417	-0.0205	-20	708	715 EAEET EYR					Mascot
	1050.5248	1050.4922	-0.0326	-31	456	464 RMEEVTGTK					Mascot
	1153.4799	1153.5413	0.0614	53	695	703 CCACP KTEK			Carbamidomethyl (C)[1,2,4]		Mascot
	1167.6368	1167.598	-0.0388	-33	490	499 FTRISTLSDK					Mascot
	1167.6368	1167.598	-0.0388	-33	490	499 FTRISTLSDK					Mascot
	1214.6489	1214.5306	-0.1183	-97	514	523 DLLGFMVLYK			Oxidation (M)[6]		Mascot
	1214.66	1214.5306	-0.1294	-107	31	40 DIRNNVTNLR					Mascot
	1295.597	1295.6909	0.0939	72	1135	1145 NCMVAEDLTVK			Carbamidomethyl (C)[2], Oxidation (M)[3]		Mascot
	1365.6321	1365.6913	0.0592	43	1154	1163 DIYETDYRK					Mascot
	1378.5371	1378.6663	0.1292	94	205	215 YCQRMCPSSCK			Carbamidomethyl (C)[2], Oxidation (M)[5]		Mascot
	1410.7964	1410.688	-0.1084	-77	892	903 VVHPGNYTVRIR					Mascot
	1410.7964	1410.688	-0.1084	-77	890	901 LRVVHPGNYTVR					Mascot
	1515.8312	1515.7354	-0.0958	-63	347	360 GCTVINGSLVINIR			Carbamidomethyl (C)[2]		Mascot
	1541.6875	1541.6721	-0.0154	-10	271	283 CVSFSFCQELHNK					Mascot
	1708.8184	1708.7849	-0.0335	-20	866	879 RLGDEELHHCVSR			Carbamidomethyl (C)[11]		Mascot
	1790.8159	1790.87	0.0541	30	169	184 NDRECGDICPGTVLGK			Carbamidomethyl (C)[5,9]		Mascot
	1846.8186	1846.9727	0.1541	83	1236	1249 LHNLMQMCWHYNPK			Oxidation (M)[5,7]		Mascot
	1852.8341	1852.8485	0.0144	8	470	486 NDIVSKTNGDQASCESK			Carbamidomethyl (C)[14]		Mascot
	1862.9827	1862.9655	-0.0172	-9	329	346 VCMGLKTVDSVTAAQAL R					Mascot
	1940.8894	1940.8831	-0.0063	-3	268	283 GWRCVSFSFCQELHNK					Mascot
	2230.0552	2230.0452	-0.01	-4	1106	1125 EMIQMAAEIADGMAYLNA KK			Oxidation (M)[2,5]		Mascot
	2246.05	2246.0422	-0.0078	-3	1106	1125 EMIQMAAEIADGMAYLNA KK			Oxidation (M)[2,5,13]		Mascot
	2676.3894	2676.3235	-0.0659	-25	560	581 EHEPGYLIFLPKPWTQYA IMVK			Oxidation (M)[20]		Mascot
	2691.0837	2691.3345	0.2508	93	218	242 ACTKDNQCCHDQCLGG CLEPHSSNK					Mascot
	2773.3569	2773.4209	0.064	23	5	30 TLIVLVASVYTVCNCCQQT NGEICSSK					Mascot
22	keratin 15 [Danio rerio]				gi 47087241		49093.4	5.13	4	60 95.941	51 99.762

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1062.4998	1062.4854	-0.0144	-14	109	117 ATMQNLNDR					Mascot
	1078.4946	1078.4958	0.0012	1	109	117 ATMQNLNDR			Oxidation (M)[3]		Mascot
	1153.5558	1153.5413	-0.0145	-13	400	408 LEMEIAEYR					Mascot

	1309.6569	1309.6586	0.0017	1	400	409	LEMEIAEYRR							Mascot
	1325.6517	1325.6294	-0.0223	-17	400	409	LEMEIAEYRR				Oxidation (M)[3]			Mascot
	1410.7046	1410.688	-0.0166	-12	398	408	TRLEMEIAEYR							Mascot
	1410.7046	1410.688	-0.0166	-12	398	408	TRLEMEIAEYR	51	99.762					Mascot
	1426.6995	1426.6827	-0.0168	-12	398	408	TRLEMEIAEYR	18	0	Oxidation (M)[5]				Mascot
	1426.6995	1426.6827	-0.0168	-12	398	408	TRLEMEIAEYR			Oxidation (M)[5]				Mascot
23	[3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, mitochondrial [Danio rerio]					gi 47085777	46895	9.08	11	51	62.986			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
948.4567	948.5493	0.0926	98	2	10 ELLGSGGCR			Carbamidomethyl (C)[8]		Mascot
1093.6	1093.5406	-0.0594	-54	325	335 GGGIPHSILDK					Mascot
1167.6005	1167.598	-0.0025	-2	196	205 NFLDTTLTSR					Mascot
1167.6005	1167.598	-0.0025	-2	196	205 NFLDTTLTSR					Mascot
1181.6235	1181.5778	-0.0457	-39	78	88 LTPATMLYAGK			Oxidation (M)[6]		Mascot
1181.6235	1181.5778	-0.0457	-39	78	88 LTPATMLYAGK			Oxidation (M)[6]		Mascot
1253.6194	1253.5792	-0.0402	-32	172	182 DVVTMLAEGFR			Oxidation (M)[5]		Mascot
1269.6984	1269.5741	-0.1243	-98	186	195 KHILDEMLVR			Oxidation (M)[7]		Mascot
1516.7074	1516.7217	0.0143	9	248	259 RLCEHQYGNSPR			Carbamidomethyl (C)[3]		Mascot
1564.8441	1564.787	-0.0571	-36	321	335 ISDRGGGIPHSILDK					Mascot
1564.8441	1564.787	-0.0571	-36	321	335 ISDRGGGIPHSILDK					Mascot
1708.7959	1708.7849	-0.011	-6	38	52 FRSTSSMSSYSELAR					Mascot
2019.8977	2020.073	0.1753	87	336	352 VMHYHFSTAEQSAQDPR			Oxidation (M)[2]		Mascot
2019.8977	2020.073	0.1753	87	336	352 VMHYHFSTAEQSAQDPR			Oxidation (M)[2]		Mascot
2676.3337	2676.3235	-0.0102	-4	382	406 AYAAYLGGSLAIQSMQGI GTDVYLR					Mascot
2692.3286	2692.3264	-0.0022	-1	382	406 AYAAYLGGSLAIQSMQGI GTDVYLR			Oxidation (M)[15]		Mascot
2692.3286	2692.3264	-0.0022	-1	382	406 AYAAYLGGSLAIQSMQGI GTDVYLR			Oxidation (M)[15]		Mascot

24	branched chain alpha-ketoacid dehydrogenase kinase [Danio rerio]					gi 169146285	47850.5	9.35	10	45	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
1093.6	1093.5406	-0.0594	-54	334	344 GGGIPHSILDK					Mascot
1167.6005	1167.598	-0.0025	-2	205	214 NFLDTTLTSR					Mascot

	1167.6005	1167.598	-0.0025	-2	205	214	NFLDTTTLTSR					Mascot
	1181.6235	1181.5778	-0.0457	-39	87	97	LTPATMLYAGK		Oxidation (M)[6]			Mascot
	1181.6235	1181.5778	-0.0457	-39	87	97	LTPATMLYAGK		Oxidation (M)[6]			Mascot
	1253.6194	1253.5792	-0.0402	-32	181	191	DVVTMLAEGFR		Oxidation (M)[5]			Mascot
	1269.6984	1269.5741	-0.1243	-98	195	204	KHILDEMLVR		Oxidation (M)[7]			Mascot
	1516.7074	1516.7217	0.0143	9	257	268	RLCEHQYGNSPR		Carbamidomethyl (C)[3]			Mascot
	1564.8441	1564.787	-0.0571	-36	330	344	ISDRGGGIPHSILDK					Mascot
	1564.8441	1564.787	-0.0571	-36	330	344	ISDRGGGIPHSILDK					Mascot
	1708.7959	1708.7849	-0.011	-6	47	61	FRSTSSMSSYSELAR					Mascot
	2019.8977	2020.073	0.1753	87	345	361	VMHYHFSTAEQSAQDPR		Oxidation (M)[2]			Mascot
	2019.8977	2020.073	0.1753	87	345	361	VMHYHFSTAEQSAQDPR		Oxidation (M)[2]			Mascot
	2676.3337	2676.3235	-0.0102	-4	391	415	AYA EYLGGSLAIQSMQGI GTDVYLR					Mascot
	2692.3286	2692.3264	-0.0022	-1	391	415	AYA EYLGGSLAIQSMQGI GTDVYLR		Oxidation (M)[15]			Mascot
	2692.3286	2692.3264	-0.0022	-1	391	415	AYA EYLGGSLAIQSMQGI GTDVYLR		Oxidation (M)[15]			Mascot
25	novel protein similar to vertebrate v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian gij220678884					145569.3	7.52	19	41	0		

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type	
948.4355	948.5493	0.1138	120	347	354	GDMFHGIR			Oxidation (M)[3]		Mascot	
1050.6167	1050.4922	-0.1245	-119	845	853	LVHRDLAAR					Mascot	
1077.6415	1077.5387	-0.1028	-95	45	53	NLSFLKSIR					Mascot	
1078.5527	1078.4958	-0.0569	-53	990	998	YLVIQGDDR					Mascot	
1181.562	1181.5778	0.0158	13	1045	1054	TTMDASWTLR					Mascot	
1181.562	1181.5778	0.0158	13	1045	1054	TTMDASWTLR					Mascot	
1214.6415	1214.5306	-0.1109	-91	741	751	GIWVPEGETVK					Mascot	
1214.6415	1214.5306	-0.1109	-91	741	751	GIWVPEGETVK					Mascot	
1236.6082	1236.5139	-0.0943	-76	255	264	YTYGAFCVKK			Carbamidomethyl (C)[7]		Mascot	
1365.6039	1365.6913	0.0874	64	962	972	CWMIDADSRPR			Oxidation (M)[3]		Mascot	
1378.6395	1378.6663	0.0268	19	892	901	WMALECIHYR			Carbamidomethyl (C)[6]		Mascot	
1410.7111	1410.688	-0.0231	-16	8	19	LSTLSDLDQQYK					Mascot	
1410.7111	1410.688	-0.0231	-16	8	19	LSTLSDLDQQYK					Mascot	
1580.6064	1580.7896	0.1832	116	1106	1120	QQPMSGSGDDCDGQR					Mascot	
1580.6064	1580.7896	0.1832	116	1106	1120	QQPMSGSGDDCDGQR					Mascot	
1708.7014	1708.7849	0.0835	49	1105	1120	KQQPMSGSGDDCDGQR					Mascot	
1790.8903	1790.87	-0.0203	-11	888	901	MPIKWMALECIHYR					Mascot	

	1862.8635	1862.9655	0.102	55	534	551	AGEKGLTCHGPGPDHCV K		Carbamidomethyl (C)[8]	Mascot	
	2020.0316	2020.073	0.0414	20	945	961	LPQPPICTIDVYMVMVK		Carbamidomethyl (C)[7], Oxidation (M)[13]	Mascot	
	2020.0316	2020.073	0.0414	20	945	961	LPQPPICTIDVYMVMVK		Carbamidomethyl (C)[7], Oxidation (M)[13]	Mascot	
	2232.9204	2233.054	0.1336	60	517	537	EFANGSVCVECDSQCEK AGEK			Mascot	
	2246.0466	2246.0422	-0.0044	-2	24	42	FYENCEVVMGNLEITSIE R			Mascot	
	2328.0049	2328.1199	0.115	49	285	304	MEVEENQTKMCIPCTDIC PK		Oxidation (M)[1]	Mascot	
	2676.0627	2676.3235	0.2608	97	183	204	TVCAEQCDGRFCGPYVS NCCHR		Carbamidomethyl (C)[3,7,11,19]	Mascot	
26	hypothetical protein LOC751722 [Danio rerio]				gi 113679753		31904.4	6.69	9	40	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
948.4744	948.5493	0.0749	79	260	269	KASQNSGGIS					Mascot
1062.5248	1062.4854	-0.0394	-37	182	189	EQRLEMEK					Mascot
1078.5198	1078.4958	-0.024	-22	182	189	EQRLEMEK			Oxidation (M)[6]		Mascot
1253.6736	1253.5792	-0.0944	-75	82	92	TAAHLELELEK					Mascot
1295.6565	1295.6909	0.0344	27	231	240	NGNLMWLYLR			Oxidation (M)[5]		Mascot
1309.6495	1309.6586	0.0091	7	72	81	YRETLTENQR					Mascot
1410.6859	1410.688	0.0021	1	55	66	NKYDSDVAEITR					Mascot
1410.6859	1410.688	0.0021	1	55	66	NKYDSDVAEITR					Mascot
1516.6882	1516.7217	0.0335	22	216	228	NDKHCADLLNMDK					Mascot
1541.774	1541.6721	-0.1019	-66	103	115	ALISHSQQLMEEER					Mascot
2225.1409	2225.0935	-0.0474	-21	74	92	ETLTENQRTAAHLELELE K					Mascot

27 PREDICTED: hypothetical protein LOC557000 [Danio rerio] gi|326679023 172102.9 9.31 20 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.5182	996.5841	0.0659	66	44	51	QFMAKLDK			Oxidation (M)[3]		Mascot
1050.5327	1050.4922	-0.0405	-39	1179	1187	TSPASFERR					Mascot
1062.5135	1062.4854	-0.0281	-26	547	555	VVEMVQDDK					Mascot
1078.5085	1078.4958	-0.0127	-12	547	555	VVEMVQDDK			Oxidation (M)[4]		Mascot
1153.6576	1153.5413	-0.1163	-101	565	575	GVVPDSQPVKK					Mascot
1181.5837	1181.5778	-0.0059	-5	872	882	ATFPPADSTFK					Mascot
1181.5837	1181.5778	-0.0059	-5	872	882	ATFPPADSTFK					Mascot

	1229.5103	1229.5663	0.056	46	245	254	DSEFETDCRK										Mascot
	1269.574	1269.5741	0.0001	0	750	762	SCGSSSTEKNAAK										Mascot
	1295.6412	1295.6909	0.0497	38	1	11	MAPLQDHQVEK										Mascot
	1332.6174	1332.6588	0.0414	31	1386	1396	MMDLYTSQSLK					Oxidation (M)[1]					Mascot
	1410.7158	1410.688	-0.0278	-20	1397	1408	TLQQHMSSVHVK					Oxidation (M)[6]					Mascot
	1410.7158	1410.688	-0.0278	-20	1397	1408	TLQQHMSSVHVK					Oxidation (M)[6]					Mascot
	1426.8628	1426.6827	-0.1801	-126	146	158	LASDAKINIIQK										Mascot
	1426.8628	1426.6827	-0.1801	-126	146	158	LASDAKINIIQK										Mascot
	1515.7107	1515.7354	0.0247	16	433	446	VSECTYITGSVGR					Carbamidomethyl (C)[5]					Mascot
	1547.6393	1547.7684	0.1291	83	1440	1451	GMEELMAYWEK					Oxidation (M)[2,7]					Mascot
	1580.8472	1580.7896	-0.0576	-36	1274	1286	LFVPTNKYWTPSK										Mascot
	1580.8472	1580.7896	-0.0576	-36	1274	1286	LFVPTNKYWTPSK										Mascot
	1790.8411	1790.87	0.0289	16	431	446	MKVSECTYITGSVGR					Carbamidomethyl (C)[7], Oxidation (M)[1]					Mascot
	2137.1177	2137.0896	-0.0281	-13	181	200	ILSSQEASSMMIGVACRIL K										Mascot
	2225.0583	2225.0935	0.0352	16	224	242	NELADSWFTMTFVSSAF KK					Oxidation (M)[10]					Mascot
	2628.2214	2628.3391	0.1177	45	201	223	GGDYDLQVSLMEALCRM VSPAQR					Carbamidomethyl (C)[15], Oxidation (M)[11,17]					Mascot
	2675.3418	2675.3347	-0.0071	-3	107	129	NEGLIKLAEDLFDVLMVV HESCK					Carbamidomethyl (C)[22], Oxidation (M)[16]					Mascot
	2692.3257	2692.3264	0.0007	0	1386	1408	MMDLYTSQSLKTLQQHM SSVHVK										Mascot
	2692.3257	2692.3264	0.0007	0	1386	1408	MMDLYTSQSLKTLQQHM SSVHVK										Mascot
28	poly [ADP-ribose] polymerase 1 [Danio rerio]				gi 113677594		112704.8	8.86	13	39	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
996.5374	996.5841	0.0467	47	857	864	QLLWHGSR						Mascot
1026.4343	1026.417	-0.0173	-17	123	131	STCKGCDQK			Carbamidomethyl (C)[3]			Mascot
1194.5936	1194.5714	-0.0222	-19	315	324	CVFKTQTPDR	3	0				Mascot
1194.5936	1194.5714	-0.0222	-19	315	324	CVFKTQTPDR						Mascot
1332.7018	1332.6588	-0.043	-32	587	599	SWGRVGTIGGNK						Mascot
1515.8165	1515.7354	-0.0811	-54	806	818	SSHEAQLILQYVK						Mascot
1580.8643	1580.7896	-0.0747	-47	143	156	TVDPEKPQLGLIDR						Mascot
1580.8643	1580.7896	-0.0747	-47	143	156	TVDPEKPQLGLIDR						Mascot
1708.9592	1708.7849	-0.1743	-102	142	156	KTVDPEKPQLGLIDR						Mascot
2019.8643	2020.073	0.2087	103	277	293	LSDCMAFGSLKPCETCK			Carbamidomethyl (C)[4,13,16], Oxidation (M)[5]			Mascot
2019.8643	2020.073	0.2087	103	277	293	LSDCMAFGSLKPCETCK			Carbamidomethyl (C)[4,13,16], Oxidation			Mascot

	2121.126	2121.092	-0.034	-16	761	778	VQMLDNLDDIEVAYSLLR	(M)[5] Oxidation (M)[3]	Mascot	
	2233.1863	2233.054	-0.1323	-59	551	570	IYSATLGLVDIVRGTSYY K		Mascot	
	2675.3247	2675.3347	0.01	4	878	902	IAPPEAPVTGYMFGKGVY FADMVSK		Mascot	
	2676.2651	2676.3235	0.0584	22	277	299	LSDCMAFGSLKPCETCK GQLVFK	Carbamidomethyl (C)[4, 13, 16]	Mascot	
	2691.3196	2691.3345	0.0149	6	878	902	IAPPEAPVTGYMFGKGVY FADMVSK	Oxidation (M)[12]	Mascot	
	2692.26	2692.3264	0.0664	25	277	299	LSDCMAFGSLKPCETCK GQLVFK	Carbamidomethyl (C)[4, 13, 16], Oxidation (M)[5]	Mascot	
	2692.26	2692.3264	0.0664	25	277	299	LSDCMAFGSLKPCETCK GQLVFK	Carbamidomethyl (C)[4, 13, 16], Oxidation (M)[5]	Mascot	
	2778.3792	2778.2092	-0.17	-61	350	379	VFPKDAPPAATPSSGST TSAATSVSSASK		Mascot	
29	Gnl3 protein [Danio rerio]				gi 79158644	62967.1	9.46	11	39	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1167.5826	1167.598	0.0154	13	130	138	TFKCQELNK			Carbamidomethyl (C)[4]		Mascot
1167.5826	1167.598	0.0154	13	130	138	TFKCQELNK			Carbamidomethyl (C)[4]		Mascot
1269.6586	1269.5741	-0.0845	-67	407	416	LSYYSRVPER					Mascot
1295.6447	1295.6909	0.0462	36	275	285	SSIINSMKEMR					Mascot
1515.777	1515.7354	-0.0416	-27	294	306	GLTRCMQEVHITK					Mascot
1563.6234	1563.7633	0.1399	89	549	561	NNEDAYDFNTDFV					Mascot
1790.8602	1790.87	0.0098	5	226	242	GTNAVLDSRAASCFGK			Carbamidomethyl (C)[14]		Mascot
1846.973	1846.9727	-0.0003	0	257	274	DGETMLKGVVGFNPVG K					Mascot
1862.968	1862.9655	-0.0025	-1	257	274	DGETMLKGVVGFNPVG K			Oxidation (M)[5]		Mascot
2328.2415	2328.1199	-0.1216	-52	308	330	VKMIDSPGILAALSNPGS AMALR			Oxidation (M)[3]		Mascot
2628.2988	2628.3391	0.0403	15	194	214	WLHYLEAECPTFLFKSS MQLK			Carbamidomethyl (C)[9]		Mascot
2675.3181	2675.3347	0.0166	6	347	367	NLLKQCNCQHIMLQYNV PDYR			Carbamidomethyl (C)[6]		Mascot
2691.313	2691.3345	0.0215	8	347	367	NLLKQCNCQHIMLQYNV PDYR			Carbamidomethyl (C)[6], Oxidation (M)[12]		Mascot
2778.3655	2778.2092	-0.1563	-56	453	479	FPNLASCISFDSNGPTAG VLDVSELPK					Mascot

30 PREDICTED: disks large homolog 2-like [Danio rerio] gi|326671323 84474.7 5.73 12 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1009.4697	1009.5175	0.0478	47	604	611	RDYEVDGR					Mascot
1026.4462	1026.417	-0.0292	-28	612	619	DYHFMSAR					Mascot

1167.6117	1167.598	-0.0137	-12	356	367	GATHEQAAAALK						Mascot
1167.6117	1167.598	-0.0137	-12	356	367	GATHEQAAAALK						Mascot
1181.5541	1181.5778	0.0237	20	687	696	SIESLMEMNK						Mascot
1181.5541	1181.5778	0.0237	20	687	696	SIESLMEMNK						Mascot
1269.662	1269.5741	-0.0879	-69	658	669	HCILDVSGNAIK						Mascot
1323.4932	1323.6088	0.1156	87	528	539	DADEQDGSDSER						Mascot
1332.7191	1332.6588	-0.0603	-45	118	128	RPMLETVTEIK			Oxidation (M)[3]			Mascot
1414.6631	1414.7891	0.126	89	620	630	EQMEKDIQEHK						Mascot
1846.8851	1846.9727	0.0876	47	463	479	VTPEGDSEEMGVPSKR			Oxidation (M)[10]			Mascot
2230.0769	2230.0452	-0.0317	-14	79	98	VNDCILRVNESDVSEVSH SK						Mascot
2233.0771	2233.054	-0.0231	-10	631	650	FIEAGQYNDNLYGTSVQS VK						Mascot
2757.3477	2757.416	0.0683	25	37	64	GNSGLGFSIAGGTDNPHI GDDPGIFITK						Mascot

31 PREDICTED: protein kinase C alpha type [Danio rerio] gi|292614846 76223.6 6.16 13 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
948.4203	948.5493	0.129	136	579	587	LGCGQEGER					Mascot
996.4607	996.5841	0.1234	124	267	274	SPVCGWYK			Carbamidomethyl (C)[4]		Mascot
1009.52	1009.5175	-0.0025	-2	358	366	SSDELFAIK					Mascot
1167.5463	1167.598	0.0517	44	616	626	VCGKGAENFDK	3	0			Mascot
1167.5463	1167.598	0.0517	44	616	626	VCGKGAENFDK					Mascot
1295.6698	1295.6909	0.0211	16	562	573	EAVSICKGLMTK			Oxidation (M)[10]		Mascot
1323.7307	1323.6088	-0.1219	-92	334	345	LSDFNFLAVLGK					Mascot
1332.6324	1332.6588	0.0264	20	579	590	LGCGQEGERDIR					Mascot
1563.693	1563.7633	0.0703	45	76	89	CHELVTFSCPGADK			Carbamidomethyl (C)[1]		Mascot
1708.7368	1708.7849	0.0481	28	2	17	ADTQSNEQSSSDVANR					Mascot
1827.9231	1827.9148	-0.0083	-5	351	366	VMLAEMKSSDELFAIK			Oxidation (M)[2]		Mascot
2019.868	2020.073	0.205	101	140	156	QCVMNVPSLCGTDHTER			Carbamidomethyl (C)[2,10], Oxidation (M)[4]		Mascot
2019.868	2020.073	0.205	101	140	156	QCVMNVPSLCGTDHTER			Carbamidomethyl (C)[2,10], Oxidation (M)[4]		Mascot
2229.979	2230.0452	0.0662	30	1	20	MADTQSNEQSSSDVANR FAR			Oxidation (M)[1]		Mascot
2757.218	2757.416	0.198	72	251	274	NDFMGSMFSGVSELMKS PVCGWYK			Carbamidomethyl (C)[20]		Mascot
2773.2129	2773.4209	0.208	75	251	274	NDFMGSMFSGVSELMKS PVCGWYK			Carbamidomethyl (C)[20], Oxidation (M)[4]		Mascot

32 PREDICTED: caseinolytic peptidase B protein homolog, partial [Danio rerio] gi|292621865 46908.5 7.45 9 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1050.5115	1050.4922	-0.0193	-18	323	331	GYNLHYGAR					Mascot
1253.6372	1253.5792	-0.058	-46	242	252	SENITISNTFK					Mascot
1295.6339	1295.6909	0.057	44	367	378	DSQHTDGAPVLR					Mascot
1378.7225	1378.6663	-0.0562	-41	323	334	GYNLHYGARSIK					Mascot
1547.7952	1547.7684	-0.0268	-17	156	169	QSPSAVVLDFEVEK					Mascot
1708.767	1708.7849	0.0179	10	120	133	MDMSEFQEKHEVAK					Mascot
1940.9899	1940.8831	-0.1068	-55	170	186	AHPDVLTVMLQLFDEGR					Mascot
2284.168	2284.1475	-0.0205	-9	7	27	NDLGHTPLSYARDGELS AVLR					Mascot
2328.1982	2328.1199	-0.0783	-34	134	155	FIGSPPGYVGHDEGGQL TKQLK					Mascot

33 PREDICTED: dnaJ homolog subfamily C member 11-like [Danio rerio] gi|326681047 63468.3 6.95 10 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4842	842.4995	0.0153	18	99	105	RTPAEIR					Mascot
1167.6343	1167.598	-0.0363	-31	221	230	GPLFGMKVFR			Oxidation (M)[6]		Mascot
1167.6343	1167.598	-0.0363	-31	221	230	GPLFGMKVFR			Oxidation (M)[6]		Mascot
1309.6351	1309.6586	0.0235	18	250	261	GIRPSASTMMAR			Oxidation (M)[9,10]		Mascot
1332.6552	1332.6588	0.0036	3	37	46	RLCMLYHPDK			Carbamidomethyl (C)[3]		Mascot
1378.7551	1378.6663	-0.0888	-64	461	472	MGLIILNAWYGK					Mascot
1410.6106	1410.688	0.0774	55	208	220	GWGEMEFAGDVR					Mascot
1410.6106	1410.688	0.0774	55	208	220	GWGEMEFAGDVR					Mascot
1426.6056	1426.6827	0.0771	54	208	220	GWGEMEFAGDVR			Oxidation (M)[5]		Mascot
1426.6056	1426.6827	0.0771	54	208	220	GWGEMEFAGDVR			Oxidation (M)[5]		Mascot
1863.0698	1862.9655	-0.1043	-56	347	365	HSVLAATVSIGVPQGVSL K					Mascot
1940.8918	1940.8831	-0.0087	-4	203	220	VTSARGWGEMEFAGD VR			Oxidation (M)[10]		Mascot
2020.0345	2020.073	0.0385	19	124	142	TNPKGTISVGIDATDLFDR					Mascot
2020.0345	2020.073	0.0385	19	124	142	TNPKGTISVGIDATDLFDR					Mascot
2284.1794	2284.1475	-0.0319	-14	461	480	MGLIILNAWYGK FVSDNS QK					Mascot

34 PREDICTED: hypothetical protein LOC796178 [Danio rerio] gi|125820434 18261.1 7.01 6 37 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	948.493	948.5493	0.0563	59	124	131 QTCELARK					Mascot
	1365.6719	1365.6913	0.0194	14	107	117 SMEVEIFPLER			Oxidation (M)[2]		Mascot
	1410.7416	1410.688	-0.0536	-38	2	14 AAGFSVLFGVWEK					Mascot
	1410.7416	1410.688	-0.0536	-38	2	14 AAGFSVLFGVWEK					Mascot
	1516.8516	1516.7217	-0.1299	-86	118	130 VSVLLKQTCELAR			Carbamidomethyl (C)[9]		Mascot
	1541.7821	1541.6721	-0.11	-71	1	14 MAAGFSVLFGVWEK					Mascot
	1708.8574	1708.7849	-0.0725	-42	103	117 SAGKSMEVEIFPLER			Oxidation (M)[6]		Mascot
35	Zgc:101859 [Danio rerio]				gi 53733776		22255.2	5.65	7	37	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1077.58	1077.5387	-0.0413	-38	33	41 GFDNIRSIR					Mascot
	1214.5181	1214.5306	0.0125	10	152	161 GQQYIMECDK					Mascot
	1214.5181	1214.5306	0.0125	10	152	161 GQQYIMECDK					Mascot
	1229.5334	1229.5663	0.0329	27	162	170 HSEDYQHWK					Mascot
	1708.7742	1708.7849	0.0107	6	19	32 CQELTSECRNIQER					Mascot
	1846.8721	1846.9727	0.1006	54	84	99 MMSLRPICSAVHQDSR			Oxidation (M)[1]		Mascot
	1862.8669	1862.9655	0.0986	53	84	99 MMSLRPICSAVHQDSR			Oxidation (M)[1,2]		Mascot
	2232.9246	2233.054	0.1294	58	112	130 SVELCDDYPSLQAMGWC DK			Carbamidomethyl (C)[5], Oxidation (M)[14]		Mascot
	2628.24	2628.3391	0.0991	38	84	105 MMSLRPICSAVHQDSRM TIFEK			Oxidation (M)[1,2,17]		Mascot
36	TPA_inf: von Willebrand factor [Danio rerio]				gi 334191710		307555.5	5.39	26	37	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1026.4496	1026.417	-0.0326	-32	1	8 MEACKWSR			Oxidation (M)[1]		Mascot
	1045.5571	1045.5505	-0.0066	-6	1556	1563 EQVVQRMR					Mascot
	1050.4884	1050.4922	0.0038	4	2506	2515 SSCEEGLLR					Mascot
	1062.5261	1062.4854	-0.0407	-38	1287	1295 FRMGSAHTR					Mascot
	1078.5211	1078.4958	-0.0253	-23	1287	1295 FRMGSAHTR			Oxidation (M)[3]		Mascot
	1093.4731	1093.5406	0.0675	62	1122	1130 ESGVQCEWR					Mascot
	1167.5422	1167.598	0.0558	48	2661	2671 ANTTTRTDGCTK					Mascot
	1167.5422	1167.598	0.0558	48	2661	2671 ANTTTRTDGCTK					Mascot

	1214.4598	1214.5306	0.0708	58	213	222	DQMSACESMR		Carbamidomethyl (C)[6]	Mascot	
	1214.4598	1214.5306	0.0708	58	213	222	DQMSACESMR		Carbamidomethyl (C)[6]	Mascot	
	1253.6783	1253.5792	-0.0991	-79	756	766	RSLSCPPPLQR			Mascot	
	1309.7296	1309.6586	-0.071	-54	1969	1979	VKSACSYLLLR		Carbamidomethyl (C)[5]	Mascot	
	1323.5377	1323.6088	0.0711	54	316	328	EECVDGCICPAGK			Mascot	
	1378.6519	1378.6663	0.0144	10	2008	2020	EGGTSVVLQDDMK			Mascot	
	1515.8386	1515.7354	-0.1032	-68	1790	1803	MGIPKAVVMVVTDR			Mascot	
	1516.6989	1516.7217	0.0228	15	1326	1339	YTGGDVAFMDEAIK			Mascot	
	1547.8284	1547.7684	-0.06	-39	1790	1803	MGIPKAVVMVVTDR		Oxidation (M)[1,9]	Mascot	
	1564.917	1564.787	-0.13	-83	2037	2050	VTVTQIGSILHQLR			Mascot	
	1564.917	1564.787	-0.13	-83	2037	2050	VTVTQIGSILHQLR			Mascot	
	1708.7162	1708.7849	0.0687	40	2596	2610	VMLDVCTHCECVGDK		Carbamidomethyl (C)[6]	Mascot	
	1790.8701	1790.87	-0.0001	0	196	212	RVLPPSQSCNSTGESTK			Mascot	
	1852.8397	1852.8485	0.0088	5	585	599	FEPCHYMVNPEPYVK			Mascot	
	2120.927	2121.092	0.165	78	329	348	VLDGDRCDVVSQCSCSTH AGR			Mascot	
	2210.8464	2211.0818	0.2354	106	2325	2342	MGSKCCPQYECVCDINCK		Carbamidomethyl (C)[5,6,11], Oxidation (M)[1]	Mascot	
	2283.0144	2283.1553	0.1409	62	585	602	FEPCHYMVNPEPYVKNC R		Carbamidomethyl (C)[4]	Mascot	
	2328.0781	2328.1199	0.0418	18	2160	2180	SVACQPNALCDLVTAYST VCR		Carbamidomethyl (C)[4,10]	Mascot	
	2595.0691	2595.313	0.2439	94	548	569	MNADCDDVQMQNSDPC SLNPKR		Carbamidomethyl (C)[5,16]	Mascot	
	2675.4072	2675.3347	-0.0725	-27	2008	2033	EGGTSVVLQDDMKVTVG GVLTAVPFR			Mascot	
	2691.4021	2691.3345	-0.0676	-25	2008	2033	EGGTSVVLQDDMKVTVG GVLTAVPFR		Oxidation (M)[12]	Mascot	
	2692.075	2692.3264	0.2514	93	2619	2641	KMSCSPCSEGYTMEPIP NACCGR		Carbamidomethyl (C)[4,7,20,21]	Mascot	
	2692.075	2692.3264	0.2514	93	2619	2641	KMSCSPCSEGYTMEPIP NACCGR		Carbamidomethyl (C)[4,7,20,21]	Mascot	
	2757.1082	2757.416	0.3078	112	603	629	YDVCACADGQECLCDAV SSYAVACAAR			Mascot	
	2773.1897	2773.4209	0.2312	83	197	222	VLPPSQSCNSTGESTKD QMSACESMR			Mascot	
37	PREDICTED: contactin-4-like [Danio rerio]				gi 292626879		113117.9	8.9	13	36	0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
1181.5983	1181.5778	-0.0205	-17	475	485	LDAGLYTCVAR	4	0	Mascot
1181.5983	1181.5778	-0.0205	-17	475	485	LDAGLYTCVAR			Mascot
1194.6001	1194.5714	-0.0287	-24	871	881	GLDPSSTYNIK			Mascot
1194.6001	1194.5714	-0.0287	-24	871	881	GLDPSSTYNIK			Mascot
1214.66	1214.5306	-0.1294	-107	705	717	ITPARVSGGGGSR			Mascot

1214.66	1214.5306	-0.1294	-107	705	717	ITPARVSGGGGSR						Mascot
1236.5977	1236.5139	-0.0838	-68	438	447	MSPRGMISWR				Oxidation (M)[1]		Mascot
1269.681	1269.5741	-0.1069	-84	395	405	HGRVFANAELR						Mascot
1564.8403	1564.787	-0.0533	-34	913	925	VMWNTTDSKLILK				Oxidation (M)[2]		Mascot
1564.8403	1564.787	-0.0533	-34	913	925	VMWNTTDSKLILK				Oxidation (M)[2]		Mascot
1790.9548	1790.87	-0.0848	-47	31	46	QPGSIVFPLHLNEPSR						Mascot
1827.9811	1827.9148	-0.0663	-36	678	695	VLATNSIGTGEPKPSQK						Mascot
1853.0829	1852.8485	-0.2344	-126	1010	1025	KALPVFVTLVLHCTVR				Carbamidomethyl (C)[13]		Mascot
1941.1418	1940.8831	-0.2587	-133	231	248	IEVQFPEVLAVAKGLTVK						Mascot
2246.1453	2246.0422	-0.1031	-46	816	835	SLSASEVEVSWKPLPWS TSR						Mascot
2283.1648	2283.1553	-0.0095	-4	578	598	YTCAVQTKVDSASIATDV VVR				Carbamidomethyl (C)[3]		Mascot
2328.2532	2328.1199	-0.1333	-57	244	264	GLTVKLECFALGNPVP PAISWR				Carbamidomethyl (C)[8]		Mascot

38 PREDICTED: huntingtin-interacting protein 1-related protein-like [Danio rerio] gi|326671469 126222.3 5.94 15 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.4995	-0.0211	-25	973	979	VRLGELR					Mascot
1181.6749	1181.5778	-0.0971	-82	905	914	KLHTLQQASR					Mascot
1181.6749	1181.5778	-0.0971	-82	905	914	KLHTLQQASR					Mascot
1214.6488	1214.5306	-0.1182	-97	480	489	LEAQRAEIER					Mascot
1214.6488	1214.5306	-0.1182	-97	480	489	LEAQRAEIER					Mascot
1332.7495	1332.6588	-0.0907	-68	734	744	ILHQQQDLRPR					Mascot
1365.6678	1365.6913	0.0235	17	950	960	LKTEEMDTQVR			Oxidation (M)[6]		Mascot
1410.7335	1410.688	-0.0455	-32	499	511	AEVSQVHNALQSK					Mascot
1410.7335	1410.688	-0.0455	-32	499	511	AEVSQVHNALQSK					Mascot
1541.7019	1541.6721	-0.0298	-19	237	248	DHFNSLTEFFER					Mascot
1547.8792	1547.7684	-0.1108	-72	26	38	EQFVKLQLQSISK					Mascot
1852.7913	1852.8485	0.0572	31	178	194	QMDSHSTSSTTAVGQCR			Carbamidomethyl (C)[16]		Mascot
2211.2344	2211.0818	-0.1526	-69	514	534	AGDQLSSVLVGLQAEKD VLLR					Mascot
2283.155	2283.1553	0.0003	0	616	634	VDDPLHVCISTPDYLIN R			Carbamidomethyl (C)[9]		Mascot
2328.1211	2328.1199	-0.0012	-1	929	949	SGQMQIEDKNSMDFSG L SLIK					Mascot
2675.3708	2675.3347	-0.0361	-13	872	896	GKYEELIVCSHEIAASTA QLVAASK			Carbamidomethyl (C)[9]		Mascot
2757.4668	2757.416	-0.0508	-18	129	153	HPEIPANLEASEEVL DKVIAIDINK					Mascot

	2773.4116	2773.4209	0.0093	3	154	177	VFDITGEVL DYMEAGLKL QETVFR						Mascot
39	transcription elongation factor B polypeptide 1 [Danio rerio]				gi 73088652	12495	4.74	5	36	0			

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1009.5676	1009.5175	-0.0501	-50	64	72	EIPSHVLSK						Mascot
1309.6432	1309.6586	0.0154	12	73	82	VCMYFTYKVR						Mascot
1325.6381	1325.6294	-0.0087	-7	73	82	VCMYFTYKVR				Oxidation (M)[3]		Mascot
1547.6505	1547.7684	0.1179	76	7	20	TYGGCEGPDAMYVK				Carbamidomethyl (C)[5]		Mascot
1563.6454	1563.7633	0.1179	75	7	20	TYGGCEGPDAMYVK				Carbamidomethyl (C)[5], Oxidation (M)[11]		Mascot
2211.0134	2211.0818	0.0684	31	44	63	AMLSGPGGQFAENETNEV NFR						Mascot
2282.925	2283.1553	0.2303	101	1	20	MDSEEEKTYGGCEGPDAM YVK				Carbamidomethyl (C)[11], Oxidation (M)[1]		Mascot

40	Zgc:111960 protein [Danio rerio]				gi 166796880	39211.8	5.12	8	36	0		
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Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1062.5499	1062.4854	-0.0645	-61	324	332	LLMEQLDGK				Oxidation (M)[3]		Mascot
1410.676	1410.688	0.012	9	70	81	TSQKFGQWADSR						Mascot
1410.676	1410.688	0.012	9	70	81	TSQKFGQWADSR						Mascot
1516.8077	1516.7217	-0.086	-57	287	300	LQAAELSSSGLRER						Mascot
1564.7384	1564.787	0.0486	31	179	192	CESELQALRDSSAR						Mascot
1564.819	1564.787	-0.032	-20	299	311	ERVELLQGEAQHR						Mascot
1708.8938	1708.7849	-0.1089	-64	55	69	VIINSTITPNMNFTK				Oxidation (M)[11]		Mascot
2019.9725	2020.073	0.1005	50	269	286	QAEIIPQLMAECESLSGK				Carbamidomethyl (C)[12], Oxidation (M)[9]		Mascot
2019.9725	2020.073	0.1005	50	269	286	QAEIIPQLMAECESLSGK				Carbamidomethyl (C)[12], Oxidation (M)[9]		Mascot
2137.1321	2137.0896	-0.0425	-20	55	73	VIINSTITPNMNFTKTSQK						Mascot

41	novel protein [Danio rerio]				gi 94733078	59497.8	5.33	10	36	0		
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Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
842.5709	842.4995	-0.0714	-85	18	24	VEKLLLK						Mascot
1045.6769	1045.5505	-0.1264	-121	171	179	LLFLLSALR						Mascot
1214.7037	1214.5306	-0.1731	-143	502	511	KELIRPMGVR				Oxidation (M)[7]		Mascot

	1214.7037	1214.5306	-0.1731	-143	503	512	ELIRPMGVVRK		Oxidation (M)[6]		Mascot
	1325.6921	1325.6294	-0.0627	-47	399	410	QGAAEFLFVLCK				Mascot
	1516.9209	1516.7217	-0.1992	-131	171	183	LLFLLSALRTDVR				Mascot
	1541.901	1541.6721	-0.2289	-148	195	207	LLTNVLERTLDVR				Mascot
	1563.7384	1563.7633	0.0249	16	2	16	SLSDILSEIDGGDDK				Mascot
	1852.9659	1852.8485	-0.1174	-63	315	329	NMDTVQILLDFMIKR		Oxidation (M)[2]		Mascot
	2283.0193	2283.1553	0.136	60	98	118	ICVAGHEGEPLLEAQSAAEER				Mascot
42	hypothetical protein LOC568893 [Danio rerio]				gi 113681485	44669.5	6.54	9	35	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	1077.6302	1077.5387	-0.0915	-85	135	143	EAYVQKLVK					Mascot
	1214.5769	1214.5306	-0.0463	-38	264	272	TLQRYMCSR			Carbamidomethyl (C)[7]		Mascot
	1214.5769	1214.5306	-0.0463	-38	264	272	TLQRYMCSR			Carbamidomethyl (C)[7]		Mascot
	1253.5426	1253.5792	0.0366	29	1	11	MSTADVSEQNR			Oxidation (M)[1]		Mascot
	1332.6841	1332.6588	-0.0253	-19	302	311	RYDCLVTLHR			Carbamidomethyl (C)[4]		Mascot
	1563.7518	1563.7633	0.0115	7	12	23	RCCVLSWEQVQR			Carbamidomethyl (C)[2]		Mascot
	1564.8105	1564.787	-0.0235	-15	89	102	DLDLIFGLSLTDDK					Mascot
	1564.8105	1564.787	-0.0235	-15	89	102	DLDLIFGLSLTDDK					Mascot
	1791.0123	1790.87	-0.1423	-79	229	245	IIATHSPPEIRGGGLLK					Mascot
	1846.8541	1846.9727	0.1186	64	287	301	LEAYLQNHFNMGMEHK			Oxidation (M)[12]		Mascot
	2675.2739	2675.3347	0.0608	23	303	325	YDCLVTLHRVDESTVCLMGHER					Mascot
	2691.2688	2691.3345	0.0657	24	303	325	YDCLVTLHRVDESTVCLMGHER			Oxidation (M)[19]		Mascot

43 discs, large (Drosophila) homolog 2 [Danio rerio] gi|122890894 92284.5 6.05 12 35 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	1009.4697	1009.5175	0.0478	47	710	717	RDYEV DGR					Mascot
	1026.4462	1026.417	-0.0292	-28	718	725	DYHF MASR					Mascot
	1167.6117	1167.598	-0.0137	-12	462	473	GATHEQAAAALK					Mascot
	1167.6117	1167.598	-0.0137	-12	462	473	GATHEQAAAALK					Mascot
	1181.5541	1181.5778	0.0237	20	793	802	SIESLMEMNK					Mascot
	1181.5541	1181.5778	0.0237	20	793	802	SIESLMEMNK					Mascot
	1269.662	1269.5741	-0.0879	-69	764	775	HCILDVSGNAIK					Mascot
	1323.4932	1323.6088	0.1156	87	634	645	DADEQDGS DSER					Mascot

	1332.7191	1332.6588	-0.0603	-45	224	234	RPMLETVTEIK		Oxidation (M)[3]	Mascot
	1414.6631	1414.7891	0.126	89	726	736	EQMEKDIQEHK			Mascot
	1846.8851	1846.9727	0.0876	47	569	585	VTPEGDSEEMGVIPSKR		Oxidation (M)[10]	Mascot
	2230.0769	2230.0452	-0.0317	-14	185	204	VNDCILRVNESDVSEVSH SK			Mascot
	2233.0771	2233.054	-0.0231	-10	737	756	FIEAGQYNDNLYGTSVQS VK			Mascot
	2757.3477	2757.416	0.0683	25	143	170	GNSGLGFSIAGGTDNPHI GDDPGIFITK			Mascot
44	cytoplasmic FMR1-interacting protein 2 [Danio rerio]				gi 148224828	145659	6.54	17	35	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
948.5261	948.5493	0.0232	24	50	58	NAFVTGIAR					Mascot
1045.5524	1045.5505	-0.0019	-2	1188	1196	QDGKDEIHK					Mascot
1050.4673	1050.4922	0.0249	24	515	523	TICDWEGAR					Mascot
1093.5775	1093.5406	-0.0369	-34	980	988	DIIEYAEIK					Mascot
1167.6844	1167.598	-0.0864	-74	1065	1075	LGTPQQIAIAR					Mascot
1167.6844	1167.598	-0.0864	-74	1065	1075	LGTPQQIAIAR					Mascot
1181.5983	1181.5778	-0.0205	-17	132	141	AIERFCSEVK					Mascot
1181.5983	1181.5778	-0.0205	-17	132	141	AIERFCSEVK					Mascot
1194.5936	1194.5714	-0.0222	-19	466	475	MESVFNQAIR					Mascot
1194.5936	1194.5714	-0.0222	-19	466	475	MESVFNQAIR					Mascot
1269.5052	1269.5741	0.0689	54	425	435	DCPGTAEIYER					Mascot
1295.6274	1295.6909	0.0635	49	122	130	LMKFMYFQR			Oxidation (M)[2,5]		Mascot
1410.7773	1410.688	-0.0893	-63	765	776	LITQRISAAMYK			Oxidation (M)[10]		Mascot
1410.7773	1410.688	-0.0893	-63	765	776	LITQRISAAMYK			Oxidation (M)[10]		Mascot
1414.7147	1414.7891	0.0744	53	623	633	EFFLELTMGRR			Oxidation (M)[8]		Mascot
1515.7889	1515.7354	-0.0535	-35	905	917	NFVGPPHFKTICR					Mascot
1564.8264	1564.787	-0.0394	-25	548	561	RAVGPSSTQLYMVR					Mascot
1564.8264	1564.787	-0.0394	-25	548	561	RAVGPSSTQLYMVR					Mascot
1580.8213	1580.7896	-0.0317	-20	548	561	RAVGPSSTQLYMVR			Oxidation (M)[12]		Mascot
1580.8213	1580.7896	-0.0317	-20	548	561	RAVGPSSTQLYMVR			Oxidation (M)[12]		Mascot
1862.976	1862.9655	-0.0105	-6	476	491	HTIYSALQDFAQVTLR					Mascot
2233.1572	2233.054	-0.1032	-46	704	723	LADQIFAYYKAMAGSVLL DK			Oxidation (M)[12]		Mascot
2283.2205	2283.1553	-0.0652	-29	298	316	FFKLQVVPLFGDMQIELS R			Oxidation (M)[13]		Mascot
2675.3394	2675.3347	-0.0047	-2	261	283	HMLLKVMGFGLYLM DGN VSNIYK			Oxidation (M)[2,7]		Mascot

	2691.3342	2691.3345	0.0003	0	261	283	HMLLKVMGFGLYLM DGN VSNIYK					Oxidation (M)[2,7,14]	Mascot
45	si:ch211-10a23.2 [Danio rerio]				gi 224809215		16528.4	6.1	6	35	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1009.6226	1009.5175	-0.1051	-104	27	35	LIVMGIVHK						Mascot
1214.6852	1214.5306	-0.1546	-127	128	138	QTQLASLNALR						Mascot
1214.6852	1214.5306	-0.1546	-127	128	138	QTQLASLNALR						Mascot
1253.6228	1253.5792	-0.0436	-35	39	49	SMVVIVSCQSK				Carbamidomethyl (C)[8], Oxidation (M)[2]		Mascot
1378.8239	1378.6663	-0.1576	-114	27	38	LIVMGIVHKQPK				Oxidation (M)[4]		Mascot
1708.7772	1708.7849	0.0077	5	5	18	ENNRNEEDYVGEIK						Mascot
2778.4832	2778.2092	-0.274	-99	114	138	ILVDGQPLCGFAHRQTQL ASLNALR				Carbamidomethyl (C)[9]		Mascot

46	novel protein similar to vertebrate collagen, type XVII, alpha 1 (COL17A1) [Danio rerio]				gi 220675919		137803.3	8.99	1		24	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1214.4962	1214.5306	0.0344	28	1056	1065	MMNEQGMIGR	24	0		Oxidation (M)[1,2,7]	2	Mascot

47	transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila) [Danio rerio]				gi 194578929		86315.1	6.68	1		21	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1214.6052	1214.5306	-0.0746	-61	768	778	TPYGSSIFQSK	21	0			3	Mascot

48	inositol polyphosphate phosphatase-like 1 [Danio rerio]				gi 94732527		121085.3	6.38	1		18	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1410.7086	1410.688	-0.0206	-15	483	493	EEKIMFPPTYR	18	0			2	Mascot
1426.7035	1426.6827	-0.0208	-15	483	493	EEKIMFPPTYR	3	0		Oxidation (M)[5]	10	Mascot

49	coiled-coil domain-containing protein 77 [Danio rerio]				gi 70887567		50397.4	8.49	1		18	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
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		1181.5831	1181.5778	-0.0053	-4	255	264	TQSLLMESTR	18	0	Oxidation (M)[6]	3	Mascot
50	Unknown (protein for IMAGE:6962011) [Danio rerio]	gi 197245616	292441.8	6.31	1				17	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1181.7252	1181.5778	-0.1474	-125	1328	1338	SDPKVKPIVAK	18	0	2	Mascot

Gel Idx/Pos	206/I6	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	hypothetical protein LOC100034647 [Danio rerio]	gi 131888757	46317.3	5.36	15	406	100	313	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1009.5312	1009.5089	-0.0223	-22	287	294	SEFTELKR				Mascot
1077.5609	1077.514	-0.0469	-44	182	190	VLDELTMTTR	13	0		Mascot
1077.5609	1077.514	-0.0469	-44	182	190	VLDELTMTTR				Mascot
1153.5558	1153.5748	0.019	16	366	374	LEMEIAEYR				Mascot
1167.6117	1167.5614	-0.0503	-43	170	180	HAVEADISGLR				Mascot
1181.5909	1181.5719	-0.019	-16	210	219	NHEEELLAAR	77	100		Mascot
1181.5909	1181.5719	-0.019	-16	210	219	NHEEELLAAR				Mascot
1194.5861	1194.5635	-0.0226	-19	22	35	AGSVYGGAGGSGVR	84	100		Mascot
1194.5861	1194.5635	-0.0226	-19	22	35	AGSVYGGAGGSGVR				Mascot
1295.7067	1295.6853	-0.0214	-17	170	181	HAVEADISGLRK				Mascot
1332.6754	1332.6483	-0.0271	-20	311	323	ASLEGLTADTQAR				Mascot
1410.7046	1410.679	-0.0256	-18	364	374	TRLEMEIAEYR				Mascot
1426.6995	1426.6699	-0.0296	-21	364	374	TRLEMEIAEYR		Oxidation (M)[5]		Mascot
1564.8152	1564.7742	-0.041	-26	352	363	QRQEYQMLLDIK				Mascot
1580.8101	1580.7805	-0.0296	-19	352	363	QRQEYQMLLDIK		Oxidation (M)[7]		Mascot
1708.8064	1708.7771	-0.0293	-17	119	133	DYSAYYATISDLQAK				Mascot
1862.9893	1862.9504	-0.0389	-21	295	310	TLQSLQIELQSQLSMK		Oxidation (M)[15]		Mascot
2020.0974	2020.0612	-0.0362	-18	134	152	ILHATGVNAGIYLHIDNAK	138	100		Mascot
2020.0974	2020.0612	-0.0362	-18	134	152	ILHATGVNAGIYLHIDNAK				Mascot

	2137.1096	2137.0828	-0.0268	-13	191	208	SDLEMQIEGLKEELVFLK						Oxidation (M)[5]	Mascot
	2778.2236	2778.1975	-0.0261	-9	44	74	SYSAGGGAGFGGGAGA GFNLSDGIDSSANEK							Mascot
2	PREDICTED: tubulin beta-2 chain-like [Danio rerio]				gi 326664656	46950.6	4.83	9	249	100	209	100		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1053.6091	1053.5903	-0.0188	-18	277	285	YLTVAIFR					Mascot
1077.5323	1077.514	-0.0183	-17	122	129	IREEYPDR	30	73.345			Mascot
1077.5323	1077.514	-0.0183	-17	122	129	IREEYPDR					Mascot
1130.5953	1130.5736	-0.0217	-19	209	218	FPGQLNADLR					Mascot
1130.5953	1130.5736	-0.0217	-19	209	218	FPGQLNADLR	60	99.975			Mascot
1143.6343	1143.611	-0.0233	-20	220	229	LAVNMVPFPR					Mascot
1159.6292	1159.6042	-0.025	-22	220	229	LAVNMVPFPR			Oxidation (M)[5]		Mascot
1229.5983	1229.5704	-0.0279	-23	348	357	ISEQFTAMFR					Mascot
1245.5933	1245.5704	-0.0229	-18	348	357	ISEQFTAMFR	12	0	Oxidation (M)[8]		Mascot
1245.5933	1245.5704	-0.0229	-18	348	357	ISEQFTAMFR			Oxidation (M)[8]		Mascot
1636.8304	1636.7954	-0.035	-21	230	243	LHFFMPGFAPLTSR			Oxidation (M)[5]		Mascot
1696.8329	1696.797	-0.0359	-21	304	317	NSSYFVEWIPNNVK					Mascot
1958.9817	1958.9482	-0.0335	-17	71	88	GHYTEGAELVDSVLDVV R	106	100			Mascot
1958.9817	1958.9482	-0.0335	-17	71	88	GHYTEGAELVDSVLDVV R					Mascot
2798.3433	2798.2908	-0.0525	-19	45	70	SGPFGQIFRPDNFVFGQ SGAGNNWAK					Mascot

3	PREDICTED: tubulin beta chain isoform 1 [Danio rerio]				gi 326666192	49614.9	4.81	9	247	100	209	100		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1039.5935	1039.5737	-0.0198	-19	310	318	YLTVAAVFR					Mascot
1077.5323	1077.514	-0.0183	-17	155	162	IREEYPDR	30	73.345			Mascot
1077.5323	1077.514	-0.0183	-17	155	162	IREEYPDR					Mascot
1130.5953	1130.5736	-0.0217	-19	242	251	FPGQLNADLR					Mascot
1130.5953	1130.5736	-0.0217	-19	242	251	FPGQLNADLR	60	99.975			Mascot
1143.6343	1143.611	-0.0233	-20	253	262	LAVNMVPFPR					Mascot
1159.6292	1159.6042	-0.025	-22	253	262	LAVNMVPFPR			Oxidation (M)[5]		Mascot
1229.5983	1229.5704	-0.0279	-23	381	390	ISEQFTAMFR					Mascot
1245.5933	1245.5704	-0.0229	-18	381	390	ISEQFTAMFR	12	0	Oxidation (M)[8]		Mascot

	1245.5933	1245.5704	-0.0229	-18	381	390	ISEQFTAMFR							Oxidation (M)[8]	Mascot
	1636.8304	1636.7954	-0.035	-21	263	276	LHFFMPGFAPLTSR							Oxidation (M)[5]	Mascot
	1696.8329	1696.797	-0.0359	-21	337	350	NSSYFVEWIPNNVK								Mascot
	1958.9817	1958.9482	-0.0335	-17	104	121	GHYTEGAELVDSVLDVV R	106	100						Mascot
	1958.9817	1958.9482	-0.0335	-17	104	121	GHYTEGAELVDSVLDVV R								Mascot
	2798.3433	2798.2908	-0.0525	-19	78	103	SGPFGQIFRPDNFVFGQ SGAGNNWAK								Mascot
4	tubulin, beta 2B [Danio rerio]				gi 47087299		49769	4.79	9	247	100	209	100		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1039.5935	1039.5737	-0.0198	-19	310	318	YLTVAAVFR						Mascot
1077.5323	1077.514	-0.0183	-17	155	162	IREEYPDR	30	73.345				Mascot
1077.5323	1077.514	-0.0183	-17	155	162	IREEYPDR						Mascot
1130.5953	1130.5736	-0.0217	-19	242	251	FPGQLNADLR						Mascot
1130.5953	1130.5736	-0.0217	-19	242	251	FPGQLNADLR	60	99.975				Mascot
1143.6343	1143.611	-0.0233	-20	253	262	LAVNMVPFPR						Mascot
1159.6292	1159.6042	-0.025	-22	253	262	LAVNMVPFPR			Oxidation (M)[5]			Mascot
1229.5983	1229.5704	-0.0279	-23	381	390	ISEQFTAMFR						Mascot
1245.5933	1245.5704	-0.0229	-18	381	390	ISEQFTAMFR	12	0	Oxidation (M)[8]			Mascot
1245.5933	1245.5704	-0.0229	-18	381	390	ISEQFTAMFR			Oxidation (M)[8]			Mascot
1636.8304	1636.7954	-0.035	-21	263	276	LHFFMPGFAPLTSR			Oxidation (M)[5]			Mascot
1696.8329	1696.797	-0.0359	-21	337	350	NSSYFVEWIPNNVK						Mascot
1958.9817	1958.9482	-0.0335	-17	104	121	GHYTEGAELVDSVLDVV R	106	100				Mascot
1958.9817	1958.9482	-0.0335	-17	104	121	GHYTEGAELVDSVLDVV R						Mascot
2784.3276	2784.2913	-0.0363	-13	78	103	SGPFGQVFRPDNFVFGQ SGAGNNWAK						Mascot

5	tubulin, beta 2 [Danio rerio]				gi 66773102		50534.3	4.76	9	247	100	209	100		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1053.6091	1053.5903	-0.0188	-18	310	318	YLTVAAI FR						Mascot
1077.5323	1077.514	-0.0183	-17	155	162	IREEYPDR	30	73.345				Mascot
1077.5323	1077.514	-0.0183	-17	155	162	IREEYPDR						Mascot
1130.5953	1130.5736	-0.0217	-19	242	251	FPGQLNADLR						Mascot
1130.5953	1130.5736	-0.0217	-19	242	251	FPGQLNADLR	60	99.975				Mascot

1143.6343	1143.611	-0.0233	-20	253	262	LAVNMVPFPR							Mascot
1159.6292	1159.6042	-0.025	-22	253	262	LAVNMVPFPR				Oxidation (M)[5]			Mascot
1229.5983	1229.5704	-0.0279	-23	381	390	ISEQFTAMFR							Mascot
1245.5933	1245.5704	-0.0229	-18	381	390	ISEQFTAMFR	12	0		Oxidation (M)[8]			Mascot
1245.5933	1245.5704	-0.0229	-18	381	390	ISEQFTAMFR				Oxidation (M)[8]			Mascot
1636.8304	1636.7954	-0.035	-21	263	276	LHFFMPGFAPLTSR				Oxidation (M)[5]			Mascot
1696.8329	1696.797	-0.0359	-21	337	350	NSSYFVEWIPNNVK							Mascot
1958.9817	1958.9482	-0.0335	-17	104	121	GHYTEGAELVDSVLDDV R	106	100					Mascot
1958.9817	1958.9482	-0.0335	-17	104	121	GHYTEGAELVDSVLDDV R							Mascot
2798.3433	2798.2908	-0.0525	-19	78	103	SGPFGQIFRPDNFVFGQ SGAGNNWAK							Mascot

6 PREDICTED: tubulin beta chain isoform 2 [Danio rerio] gi|326666194 50293.2 4.81 9 246 100 209 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1039.5935	1039.5737	-0.0198	-19	316	324	YLTVAAVFR					Mascot
1077.5323	1077.514	-0.0183	-17	161	168	IREEYPDR	30	73.345			Mascot
1077.5323	1077.514	-0.0183	-17	161	168	IREEYPDR					Mascot
1130.5953	1130.5736	-0.0217	-19	248	257	FPGQLNADLR					Mascot
1130.5953	1130.5736	-0.0217	-19	248	257	FPGQLNADLR	60	99.975			Mascot
1143.6343	1143.611	-0.0233	-20	259	268	LAVNMVPFPR					Mascot
1159.6292	1159.6042	-0.025	-22	259	268	LAVNMVPFPR			Oxidation (M)[5]		Mascot
1229.5983	1229.5704	-0.0279	-23	387	396	ISEQFTAMFR					Mascot
1245.5933	1245.5704	-0.0229	-18	387	396	ISEQFTAMFR	12	0	Oxidation (M)[8]		Mascot
1245.5933	1245.5704	-0.0229	-18	387	396	ISEQFTAMFR			Oxidation (M)[8]		Mascot
1636.8304	1636.7954	-0.035	-21	269	282	LHFFMPGFAPLTSR			Oxidation (M)[5]		Mascot
1696.8329	1696.797	-0.0359	-21	343	356	NSSYFVEWIPNNVK					Mascot
1958.9817	1958.9482	-0.0335	-17	110	127	GHYTEGAELVDSVLDDV R	106	100			Mascot
1958.9817	1958.9482	-0.0335	-17	110	127	GHYTEGAELVDSVLDDV R					Mascot
2798.3433	2798.2908	-0.0525	-19	84	109	SGPFGQIFRPDNFVFGQ SGAGNNWAK					Mascot

7 hypothetical protein LOC641565 [Danio rerio] gi|83025072 50237.2 4.8 8 240 100 209 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	1053.6091	1053.5903	-0.0188	-18	310	318	YLTVA AIFR								Mascot
	1077.5323	1077.514	-0.0183	-17	155	162	IREEYPDR	30	73.345						Mascot
	1077.5323	1077.514	-0.0183	-17	155	162	IREEYPDR								Mascot
	1130.5953	1130.5736	-0.0217	-19	242	251	FPGQLNADLR								Mascot
	1130.5953	1130.5736	-0.0217	-19	242	251	FPGQLNADLR	60	99.975						Mascot
	1143.6343	1143.611	-0.0233	-20	253	262	LAVNMVPFPR								Mascot
	1159.6292	1159.6042	-0.025	-22	253	262	LAVNMVPFPR			Oxidation (M)[5]					Mascot
	1229.5983	1229.5704	-0.0279	-23	381	390	ISEQFTAMFR								Mascot
	1245.5933	1245.5704	-0.0229	-18	381	390	ISEQFTAMFR	12	0	Oxidation (M)[8]					Mascot
	1245.5933	1245.5704	-0.0229	-18	381	390	ISEQFTAMFR			Oxidation (M)[8]					Mascot
	1696.8329	1696.797	-0.0359	-21	337	350	NSSYFVEWIPNNVK								Mascot
	1958.9817	1958.9482	-0.0335	-17	104	121	GHYTEGAELVDSVLDVV R	106	100						Mascot
	1958.9817	1958.9482	-0.0335	-17	104	121	GHYTEGAELVDSVLDVV R								Mascot
	2798.3103	2798.2908	-0.0195	-7	78	103	SGPMGQIFRPDNFVFGQ SGAGNNWAK			Oxidation (M)[4]					Mascot
8	tubulin, beta, 2 [Danio rerio]				gi 82658236		49684.9	4.81	8	228	100	197	100		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1053.6091	1053.5903	-0.0188	-18	310	318	YLTVA AIFR						Mascot
1077.5323	1077.514	-0.0183	-17	155	162	IREEYPDR	30	73.345				Mascot
1077.5323	1077.514	-0.0183	-17	155	162	IREEYPDR						Mascot
1130.5953	1130.5736	-0.0217	-19	242	251	FPGQLNADLR						Mascot
1130.5953	1130.5736	-0.0217	-19	242	251	FPGQLNADLR	60	99.975				Mascot
1143.6343	1143.611	-0.0233	-20	253	262	LAVNMVPFPR						Mascot
1159.6292	1159.6042	-0.025	-22	253	262	LAVNMVPFPR			Oxidation (M)[5]			Mascot
1636.8304	1636.7954	-0.035	-21	263	276	LHFFMPGFAPLTSR			Oxidation (M)[5]			Mascot
1696.8329	1696.797	-0.0359	-21	337	350	NSSYFVEWIPNNVK						Mascot
1958.9817	1958.9482	-0.0335	-17	104	121	GHYTEGAELVDSVLDVV R	106	100				Mascot
1958.9817	1958.9482	-0.0335	-17	104	121	GHYTEGAELVDSVLDVV R						Mascot
2784.3276	2784.2913	-0.0363	-13	78	103	SGPFGQVFRPDNFVFGQ SGAGNNWAK						Mascot

9 type I cytokeratin, enveloping layer [Danio rerio] gi|94732411 40437.7 5.15 9 219 100 175 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
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	1077.5609	1077.514	-0.0469	-44	129	137	VLDELTMTTR	13	0				Mascot
	1077.5609	1077.514	-0.0469	-44	129	137	VLDELTMTTR						Mascot
	1153.5558	1153.5748	0.019	16	313	321	LEMEIAEYR						Mascot
	1181.5909	1181.5719	-0.019	-16	157	166	NHEEELLAAR	77	100				Mascot
	1181.5909	1181.5719	-0.019	-16	157	166	NHEEELLAAR						Mascot
	1194.5861	1194.5635	-0.0226	-19	31	44	AGSVYGGAGGSGVR	84	100				Mascot
	1194.5861	1194.5635	-0.0226	-19	31	44	AGSVYGGAGGSGVR						Mascot
	1332.6754	1332.6483	-0.0271	-20	258	270	ASLEGLADTQAR						Mascot
	1410.7046	1410.679	-0.0256	-18	311	321	TRLEMEIAEYR						Mascot
	1426.6995	1426.6699	-0.0296	-21	311	321	TRLEMEIAEYR			Oxidation (M)[5]			Mascot
	1708.8064	1708.7771	-0.0293	-17	66	80	DYSAYYATISDLQAK						Mascot
	2020.0743	2020.0612	-0.0131	-6	241	257	RTLQSLIEIQSQLSMK			Oxidation (M)[16]			Mascot
	2020.0743	2020.0612	-0.0131	-6	241	257	RTLQSLIEIQSQLSMK			Oxidation (M)[16]			Mascot
	2225.0867	2225.0872	0.0005	0	109	127	YENELSMRQSV EADIVGL R			Oxidation (M)[7]			Mascot
	2225.0867	2225.0872	0.0005	0	109	127	YENELSMRQSV EADIVGL R			Oxidation (M)[7]			Mascot
10	type I cytokeratin, enveloping layer [Danio rerio]				gi 18858519		46655.7	5.13	9	214	100	175	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
	1077.5609	1077.514	-0.0469	-44	191	199	VLDELTMTTR	13	0				Mascot
	1077.5609	1077.514	-0.0469	-44	191	199	VLDELTMTTR						Mascot
	1153.5558	1153.5748	0.019	16	375	383	LEMEIAEYR						Mascot
	1181.5909	1181.5719	-0.019	-16	219	228	NHEEELLAAR	77	100				Mascot
	1181.5909	1181.5719	-0.019	-16	219	228	NHEEELLAAR						Mascot
	1194.5861	1194.5635	-0.0226	-19	31	44	AGSVYGGAGGSGVR	84	100				Mascot
	1194.5861	1194.5635	-0.0226	-19	31	44	AGSVYGGAGGSGVR						Mascot
	1332.6754	1332.6483	-0.0271	-20	320	332	ASLEGLADTQAR						Mascot
	1410.7046	1410.679	-0.0256	-18	373	383	TRLEMEIAEYR						Mascot
	1426.6995	1426.6699	-0.0296	-21	373	383	TRLEMEIAEYR			Oxidation (M)[5]			Mascot
	1708.8064	1708.7771	-0.0293	-17	128	142	DYSAYYATISDLQAK						Mascot
	2020.0743	2020.0612	-0.0131	-6	303	319	RTLQSLIEIQSQLSMK			Oxidation (M)[16]			Mascot
	2020.0743	2020.0612	-0.0131	-6	303	319	RTLQSLIEIQSQLSMK			Oxidation (M)[16]			Mascot
	2225.0867	2225.0872	0.0005	0	171	189	YENELSMRQSV EADIVGL R			Oxidation (M)[7]			Mascot
	2225.0867	2225.0872	0.0005	0	171	189	YENELSMRQSV EADIVGL R			Oxidation (M)[7]			Mascot
11	hypothetical protein LOC767806 [Danio rerio]				gi 115529425		49898.2	4.81	5	209	100	195	100

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type		
1053.6091	1053.5903	-0.0188	-18	310	318 YLTVAAIR					Mascot		
1077.5323	1077.514	-0.0183	-17	155	162 IREEYPDR	30	73.345			Mascot		
1077.5323	1077.514	-0.0183	-17	155	162 IREEYPDR					Mascot		
1130.5953	1130.5736	-0.0217	-19	242	251 FPGQLNADLR					Mascot		
1130.5953	1130.5736	-0.0217	-19	242	251 FPGQLNADLR	60	99.975			Mascot		
1143.6343	1143.611	-0.0233	-20	253	262 LAVNMVPFPR					Mascot		
1159.6292	1159.6042	-0.025	-22	253	262 LAVNMVPFPR			Oxidation (M)[5]		Mascot		
1958.9817	1958.9482	-0.0335	-17	104	121 GHYTEGAELVDSVLDVV R	106	100			Mascot		
1958.9817	1958.9482	-0.0335	-17	104	121 GHYTEGAELVDSVLDVV R					Mascot		
12	type I cytokeratin, enveloping layer, like [Danio rerio]				gi 130504059	46617.6	5.13	8	206	100	175	100
Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type		
1077.5609	1077.514	-0.0469	-44	191	199 VLDELTMTTR	13	0			Mascot		
1077.5609	1077.514	-0.0469	-44	191	199 VLDELTMTTR					Mascot		
1153.5558	1153.5748	0.019	16	375	383 LEMEIAEYR					Mascot		
1181.5909	1181.5719	-0.019	-16	219	228 NHEEELLAAR	77	100			Mascot		
1181.5909	1181.5719	-0.019	-16	219	228 NHEEELLAAR					Mascot		
1194.5861	1194.5635	-0.0226	-19	31	44 AGSVYGGAGGSGVR	84	100			Mascot		
1194.5861	1194.5635	-0.0226	-19	31	44 AGSVYGGAGGSGVR					Mascot		
1332.6754	1332.6483	-0.0271	-20	320	332 ASLEGLTADTQAR					Mascot		
1410.7046	1410.679	-0.0256	-18	373	383 TRLEMEIAEYR					Mascot		
1426.6995	1426.6699	-0.0296	-21	373	383 TRLEMEIAEYR			Oxidation (M)[5]		Mascot		
1708.8064	1708.7771	-0.0293	-17	128	142 DYSAYYATISDLQAK					Mascot		
2020.0743	2020.0612	-0.0131	-6	303	319 RTLQSLEIELQSLSMK			Oxidation (M)[16]		Mascot		
2020.0743	2020.0612	-0.0131	-6	303	319 RTLQSLEIELQSLSMK			Oxidation (M)[16]		Mascot		
13	hypothetical protein LOC767746 [Danio rerio]				gi 115529301	49556.9	4.85	8	133	100	102	100
Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type		
1039.5935	1039.5737	-0.0198	-19	310	318 YLTVAAVFR					Mascot		

	1077.5323	1077.514	-0.0183	-17	155	162	IREEYPDR	30	73.345				Mascot
	1077.5323	1077.514	-0.0183	-17	155	162	IREEYPDR						Mascot
	1130.5953	1130.5736	-0.0217	-19	242	251	FPGQLNADLR						Mascot
	1130.5953	1130.5736	-0.0217	-19	242	251	FPGQLNADLR	60	99.975				Mascot
	1143.6343	1143.611	-0.0233	-20	253	262	LAVNMVPFPR						Mascot
	1159.6292	1159.6042	-0.025	-22	253	262	LAVNMVPFPR			Oxidation (M)[5]			Mascot
	1229.5983	1229.5704	-0.0279	-23	381	390	ISEQFTAMFR						Mascot
	1245.5933	1245.5704	-0.0229	-18	381	390	ISEQFTAMFR	12	0	Oxidation (M)[8]			Mascot
	1245.5933	1245.5704	-0.0229	-18	381	390	ISEQFTAMFR			Oxidation (M)[8]			Mascot
	1636.8304	1636.7954	-0.035	-21	263	276	LHFFMPGFAPLTSR			Oxidation (M)[5]			Mascot
	1696.8329	1696.797	-0.0359	-21	337	350	NSSYFVEWIPNNVK						Mascot
	2798.3433	2798.2908	-0.0525	-19	78	103	SGPFGQIFRPDNFVFGQ SGAGNNWAK						Mascot
14	glutamine synthetase 1 [Danio rerio]				gi 31581593		41585.8	5.57	6	119	100	97	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
839.4271	839.4151	-0.012	-14	281	286	HNYHIR					Mascot
1002.5002	1002.4849	-0.0153	-15	174	181	DIVEAHYR					Mascot
1932.9596	1932.9259	-0.0337	-17	341	357	RPSANCDPYAVTEALIR			Carbamidomethyl (C)[6]		Mascot
1932.9596	1932.9259	-0.0337	-17	341	357	RPSANCDPYAVTEALIR	97	100	Carbamidomethyl (C)[6]		Mascot
2177.0483	2177.0178	-0.0305	-14	300	319	LTGHHETSNIHEFSAGV NR					Mascot
2333.1494	2333.1191	-0.0303	-13	299	319	RLTGHETSNIHEFSAGV ANR					Mascot
2700.2834	2700.2766	-0.0068	-3	335	357	GYFEDRRPSANCDPYAV TEALIR			Carbamidomethyl (C)[12]		Mascot

15	novel protein similar to type I cytokeratin, enveloping layer [Danio rerio]				gi 94732405		43116.8	5.22	6	116	100	97	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1077.5609	1077.514	-0.0469	-44	189	197	VLDELTMTTR	13	0			Mascot
1077.5609	1077.514	-0.0469	-44	189	197	VLDELTMTTR					Mascot
1153.5558	1153.5748	0.019	16	373	381	LEMEIAEYR					Mascot
1194.5861	1194.5635	-0.0226	-19	34	47	AGSVYGGAGGSGVR	84	100			Mascot
1194.5861	1194.5635	-0.0226	-19	34	47	AGSVYGGAGGSGVR					Mascot
1332.6754	1332.6483	-0.0271	-20	318	330	ASLEGLADTQAR					Mascot

1410.7046	1410.679	-0.0256	-18	371	381	TRLEMEIAEYR							Mascot
1426.6995	1426.6699	-0.0296	-21	371	381	TRLEMEIAEYR				Oxidation (M)[5]			Mascot
2020.0743	2020.0612	-0.0131	-6	301	317	RTLQSLEIELQSQLSMK				Oxidation (M)[16]			Mascot
2020.0743	2020.0612	-0.0131	-6	301	317	RTLQSLEIELQSQLSMK				Oxidation (M)[16]			Mascot

16 Zgc:109868 [Danio rerio] gi|92097956 47235.8 5.25 6 114 100 97 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1077.5609	1077.514	-0.0469	-44	189	197	VLDELTMTTR	13	0			Mascot
1077.5609	1077.514	-0.0469	-44	189	197	VLDELTMTTR					Mascot
1153.5558	1153.5748	0.019	16	373	381	LEMEIAEYR					Mascot
1194.5861	1194.5635	-0.0226	-19	34	47	AGSVYGGAGGSGVR	84	100			Mascot
1194.5861	1194.5635	-0.0226	-19	34	47	AGSVYGGAGGSGVR					Mascot
1332.6754	1332.6483	-0.0271	-20	318	330	ASLEGLADTQAR					Mascot
1410.7046	1410.679	-0.0256	-18	371	381	TRLEMEIAEYR					Mascot
1426.6995	1426.6699	-0.0296	-21	371	381	TRLEMEIAEYR			Oxidation (M)[5]		Mascot
2020.0743	2020.0612	-0.0131	-6	301	317	RTLQSLEIELQSQLSMK			Oxidation (M)[16]		Mascot
2020.0743	2020.0612	-0.0131	-6	301	317	RTLQSLEIELQSQLSMK			Oxidation (M)[16]		Mascot

17 TPA_exp: glutamine synthetase [Danio rerio] gi|30141105 41549.8 5.57 5 113 100 97 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
839.4271	839.4151	-0.012	-14	281	286	HNYHIR					Mascot
1002.5002	1002.4849	-0.0153	-15	174	181	DIVEAHYR					Mascot
1932.9596	1932.9259	-0.0337	-17	341	357	RPSANCDPYAVTEALIR			Carbamidomethyl (C)[6]		Mascot
1932.9596	1932.9259	-0.0337	-17	341	357	RPSANCDPYAVTEALIR	97	100	Carbamidomethyl (C)[6]		Mascot
2177.0483	2177.0178	-0.0305	-14	300	319	LTGHHETSNIHEFSAGV NR					Mascot
2333.1494	2333.1191	-0.0303	-13	299	319	RLTGHETSNIHEFSAGV ANR					Mascot

18 PREDICTED: tubulin beta-6 chain-like [Danio rerio] gi|125819301 52544.5 4.9 5 108 100 95 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1039.5935	1039.5737	-0.0198	-19	310	318	YLTVAGIFR					Mascot
1077.5323	1077.514	-0.0183	-17	155	162	IREEYPDR	30	73.345			Mascot

	1077.5323	1077.514	-0.0183	-17	155	162	IREEYPDR									Mascot
	1130.5953	1130.5736	-0.0217	-19	242	251	FPGQLNADLR									Mascot
	1130.5953	1130.5736	-0.0217	-19	242	251	FPGQLNADLR	60	99.975							Mascot
	1143.6343	1143.611	-0.0233	-20	253	262	LAVNMVPFPR									Mascot
	1159.6292	1159.6042	-0.025	-22	253	262	LAVNMVPFPR				Oxidation (M)[5]					Mascot
	1194.5177	1194.5635	0.0458	38	298	307	NMMTACDPRR	4	0							Mascot
	1194.5177	1194.5635	0.0458	38	298	307	NMMTACDPRR									Mascot
	1267.5341	1267.5913	0.0572	45	298	307	NMMTACDPRR				Carbamidomethyl (C)[6], Oxidation (M)[2]					Mascot
	1283.5289	1283.5876	0.0587	46	298	307	NMMTACDPRR				Carbamidomethyl (C)[6], Oxidation (M)[2,3]					Mascot
19	glutamine synthetase [Danio rerio]				gi 225579106		41854.1	5.98	4	106	100	97	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1009.5438	1009.5089	-0.0349	-35	280	286	RHQYHIR						Mascot
1932.9596	1932.9259	-0.0337	-17	341	357	RPSANCDPYAVTEALIR				Carbamidomethyl (C)[6]		Mascot
1932.9596	1932.9259	-0.0337	-17	341	357	RPSANCDPYAVTEALIR	97	100		Carbamidomethyl (C)[6]		Mascot
2283.2278	2283.1489	-0.0789	-35	96	114	LVLCDVLKYNHKPAETNL R				Carbamidomethyl (C)[4]		Mascot
2700.2834	2700.2766	-0.0068	-3	335	357	GYFEDRRRPSANCDPYAVTEALIR				Carbamidomethyl (C)[12]		Mascot

20	novel protein similar to type I cytoke ... layer [Danio rerio]				gi 94732413		49661.4	5.31	6	105	100	90	100			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1077.5609	1077.514	-0.0469	-44	212	220	VLDELTMTTR	13	0				Mascot
1077.5609	1077.514	-0.0469	-44	212	220	VLDELTMTTR						Mascot
1143.6984	1143.611	-0.0874	-76	439	448	KVVTIVEEVK						Mascot
1153.5558	1153.5748	0.019	16	396	404	LEMEIAEYR						Mascot
1181.5909	1181.5719	-0.019	-16	240	249	NHEEELLAAR	77	100				Mascot
1181.5909	1181.5719	-0.019	-16	240	249	NHEEELLAAR						Mascot
1332.6754	1332.6483	-0.0271	-20	341	353	ASLEGLTADTQAR						Mascot
1410.7046	1410.679	-0.0256	-18	394	404	TRLEMEIAEYR						Mascot
1426.6995	1426.6699	-0.0296	-21	394	404	TRLEMEIAEYR				Oxidation (M)[5]		Mascot

21	hypothetical protein LOC335798 [Danio rerio]				gi 41053911		49602.9	4.81	8	99	100	72	99.998			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	%	Modification	Rank	Result Type
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					Seq.	Seq.	Score						
	1039.5935	1039.5737	-0.0198	-19	310	318	YLTVAAVFR					Mascot	
	1130.5953	1130.5736	-0.0217	-19	242	251	FPGQLNADLR					Mascot	
	1130.5953	1130.5736	-0.0217	-19	242	251	FPGQLNADLR	60	99.975			Mascot	
	1143.6343	1143.611	-0.0233	-20	253	262	LAVNMVPFPR					Mascot	
	1159.6292	1159.6042	-0.025	-22	253	262	LAVNMVPFPR			Oxidation (M)[5]		Mascot	
	1229.5983	1229.5704	-0.0279	-23	381	390	ISEQFTAMFR					Mascot	
	1245.5933	1245.5704	-0.0229	-18	381	390	ISEQFTAMFR	12	0	Oxidation (M)[8]		Mascot	
	1245.5933	1245.5704	-0.0229	-18	381	390	ISEQFTAMFR			Oxidation (M)[8]		Mascot	
	1636.8304	1636.7954	-0.035	-21	263	276	LHFFMPGFAPLTSR			Oxidation (M)[5]		Mascot	
	1696.8329	1696.797	-0.0359	-21	337	350	NSSYFVEWIPNNVK					Mascot	
	2784.2822	2784.2913	0.0091	3	283	306	VLSVPELTQQMFDAKNM MAACDPR			Carbamidomethyl (C)[21], Oxidation (M)[11,17]		Mascot	
	2798.3433	2798.2908	-0.0525	-19	78	103	SGPFGQIFRPDNFVFGQ SGAGNNWAK					Mascot	
22	hypothetical protein LOC550458 [Danio rerio]				gi 62955497		24485.8	4.79	5	79	99.946	60	99.975

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1130.5953	1130.5736	-0.0217	-19	10	19	FPGQLNADLR					Mascot
	1130.5953	1130.5736	-0.0217	-19	10	19	FPGQLNADLR	60	99.975			Mascot
	1143.6343	1143.611	-0.0233	-20	21	30	LAVNMVPFPR					Mascot
	1159.6292	1159.6042	-0.025	-22	21	30	LAVNMVPFPR			Oxidation (M)[5]		Mascot
	1267.7191	1267.5913	-0.1278	-101	119	130	VAVCDIPPRGLK					Mascot
	1696.8329	1696.797	-0.0359	-21	105	118	NSSYFVEWIPNNVK					Mascot
	2798.2729	2798.2908	0.0179	6	51	74	ALTVPPELTQQMFDARNM MAACDPR			Carbamidomethyl (C)[21], Oxidation (M)[11,17]		Mascot
23	PREDICTED: protein NLRC3 [Danio rerio]				gi 326676393	81579.2	5.58	13	41	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1002.46	1002.4849	0.0249	25	681	688	MDFFDLSK					Mascot
	1009.52	1009.5089	-0.0111	-11	610	617	EETVQYIK					Mascot
	1130.5551	1130.5736	0.0185	16	680	688	KMDFFDLSK					Mascot
	1130.5551	1130.5736	0.0185	16	680	688	KMDFFDLSK					Mascot
	1143.7096	1143.611	-0.0986	-86	208	219	TVLTKGAVAGIGK					Mascot
	1153.5922	1153.5748	-0.0174	-15	295	304	VSLDFKCDVK					Mascot

	1167.4657	1167.5614	0.0957	82	30	39	SDQSM DPPMK						Oxidation (M)[5,9]	Mascot
	1181.6385	1181.5719	-0.0666	-56	171	179	HEL RQ IETR							Mascot
	1181.6385	1181.5719	-0.0666	-56	171	179	HEL RQ IETR							Mascot
	1245.7565	1245.5704	-0.1861	-149	456	466	LGKLA FEQLVK							Mascot
	1245.7565	1245.5704	-0.1861	-149	456	466	LGKLA FEQLVK							Mascot
	1410.6393	1410.679	0.0397	28	30	41	SDQSM DPPMKFK							Mascot
	1426.7035	1426.6699	-0.0336	-24	283	294	VLFI DGLDECR							Mascot
	2232.0247	2232.0173	-0.0074	-3	54	72	SSCVSMKSDWSMDRPIQ FK							Mascot
	2284.0332	2284.1411	0.1079	47	96	116	SDQSMGPPINVMEEHSA ADLR							Mascot
	2297.2175	2297.1599	-0.0576	-25	459	477	LA FEQLVKGNLIFYEEDL R							Mascot
24	E3 ubiquitin-protein ligase TRAF7 [Danio rerio]						gi 122114575	71362.2	6.32	13	41	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1009.4883	1009.5089	0.0206	20	159	168	YGCRPAASGK					Mascot
1116.5031	1116.5781	0.075	67	391	399	VWDTCTTYK					Mascot
1159.6357	1159.6042	-0.0315	-27	471	480	VWDIVGTELK					Mascot
1194.5637	1194.5635	-0.0002	0	306	315	FDVL DENQSK					Mascot
1194.5637	1194.5635	-0.0002	0	306	315	FDVL DENQSK					Mascot
1295.6412	1295.6853	0.0441	34	316	325	LSEDLMEFRR					Mascot
1563.7042	1563.7562	0.052	33	109	121	DPVITTCGHTFCR			Carbamidomethyl (C)[7,12]		Mascot
1696.8251	1696.797	-0.0281	-17	169	184	SGAYEVDPLGCPFTIK					Mascot
2211.1113	2211.0657	-0.0456	-21	169	188	SGAYEVDPLGCPFTIKLS TR			Carbamidomethyl (C)[11]		Mascot
2297.1741	2297.1599	-0.0142	-6	400	420	CQKTLEGH DGIVLALCIQ GNK			Carbamidomethyl (C)[1]		Mascot
2333.1199	2333.1191	-0.0008	0	202	221	CPNNPNC PPLTMNLEA HLK			Carbamidomethyl (C)[1,7]		Mascot
2685.3486	2685.3127	-0.0359	-13	446	470	AHDNPVCTLVSSH NMLF SGSLKAIK			Oxidation (M)[15]		Mascot
2784.489	2784.2913	-0.1977	-71	559	584	EQVRTLTGHVGT VYALA VISTPDQTK					Mascot
2798.2786	2798.2908	0.0122	4	28	53	TPSTSSTLT YSTRDDDDG MPPISTPR					Mascot

25	novel protein [Danio rerio]						gi 220679558	45035	4.99	9	40	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.473	842.4942	0.0212	25	382	388	DPKDVLR					Mascot

	882.4791	882.5475	0.0684	78	1	7	VSTYTRR										Mascot
	1045.5889	1045.5425	-0.0464	-44	54	62	VIDTLESLR										Mascot
	1143.4744	1143.611	0.1366	119	8	16	CPGCQMIYR					Carbamidomethyl (C)[1], Oxidation (M)[6]					Mascot
	1159.5841	1159.6042	0.0201	17	375	384	LDETDVKDPK										Mascot
	1283.5806	1283.5876	0.007	5	7	16	RCPGCQMIYR					Carbamidomethyl (C)[2]					Mascot
	2247.2205	2247.0815	-0.139	-62	43	62	HSLQSHVGLSRVIDTLES LR										Mascot
	2297.0544	2297.1599	0.1055	46	253	274	ICGSSGGCSVVMCPHGV VYSLK					Carbamidomethyl (C)[2,8]					Mascot
	2685.302	2685.3127	0.0107	4	253	278	ICGSSGGCSVVMCPHGV VYSLKFNLK										Mascot
	2701.2969	2701.3164	0.0195	7	253	278	ICGSSGGCSVVMCPHGV VYSLKFNLK					Oxidation (M)[12]					Mascot
26	PREDICTED: tripartite motif-containing protein 59-like [Danio rerio]					gi 125836979	39637.8	5.73	10	40	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.3668	864.4733	0.1065	123	157	162	WEEMNR					Mascot
1045.5636	1045.5425	-0.0211	-20	174	182	SEALVQKDR					Mascot
1165.61	1165.7201	0.1101	94	131	140	IDDLQTAYVK					Mascot
1167.5463	1167.5614	0.0151	13	201	209	EQFMQALER			Oxidation (M)[4]		Mascot
1295.6412	1295.6853	0.0441	34	200	209	KEQFMQALER			Oxidation (M)[5]		Mascot
2177.1965	2177.0178	-0.1787	-82	181	199	DREVALVFFQGLETLAQ K					Mascot
2232.082	2232.0173	-0.0647	-29	263	282	INTLNCTPMPTVPSLQMS PR			Oxidation (M)[9,17]		Mascot
2283.0281	2283.1489	0.1208	53	94	113	SPSCPEHPGQPLNVYCV QDR			Carbamidomethyl (C)[4]		Mascot
2333.2434	2333.1191	-0.1243	-53	32	51	SCLESVLQVSVNFSIWRP LR					Mascot
2784.5593	2784.2913	-0.268	-96	32	55	SCLESVLQVSVNFSIWRP LRLPLK					Mascot

27 PREDICTED: protein NLRC3-like [Danio rerio] gi|326676399 101864.8 6.45 15 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4417	850.5272	0.0855	101	593	599	IFSQAER					Mascot
864.4937	864.4733	-0.0204	-24	718	724	NVFKQTK					Mascot
1116.6194	1116.5781	-0.0413	-37	886	894	LLPVMRESR			Oxidation (M)[5]		Mascot
1143.7096	1143.611	-0.0986	-86	391	402	TVLTGKVAGIGK					Mascot
1159.6106	1159.6042	-0.0064	-6	478	487	VSLEFHSNVK					Mascot

1166.5181	1166.5292	0.0111	10	288	297	SMPPESSCKK	Carbamidomethyl (C)[8], Oxidation (M)[2]	Mascot
1194.542	1194.5635	0.0215	18	366	376	AATEDTSIQCR		Mascot
1194.542	1194.5635	0.0215	18	366	376	AATEDTSIQCR		Mascot
1245.7565	1245.5704	-0.1861	-149	639	649	LGKLAFEQLVK		Mascot
1245.7565	1245.5704	-0.1861	-149	639	649	LGKLAFEQLVK		Mascot
1281.5814	1281.6235	0.0421	33	253	264	SNSLEPSCVSMK		Mascot
1295.5607	1295.6853	0.1246	96	218	229	SSSPEPSCVSMK	Carbamidomethyl (C)[8]	Mascot
1426.7035	1426.6699	-0.0336	-24	466	477	VLFIFDGLDECR		Mascot
1564.7457	1564.7742	0.0285	18	146	159	LRSSSPEPSCVSMK	Carbamidomethyl (C)[10]	Mascot
1580.7407	1580.7805	0.0398	25	146	159	LRSSSPEPSCVSMK	Carbamidomethyl (C)[10], Oxidation (M)[13]	Mascot
1696.821	1696.797	-0.024	-14	780	794	ELLTQPGSCSYNKEK		Mascot
1959.0909	1958.9482	-0.1427	-73	31	47	QHSLLDIHLTAELLDDK		Mascot
1959.0909	1958.9482	-0.1427	-73	31	47	QHSLLDIHLTAELLDDK		Mascot
2194.0854	2194.0737	-0.0117	-5	55	75	LTNHSGRSLAIGGCVCIIY SSR		Mascot

28 Wu:fc64b08 protein [Danio rerio] gi|111308030 42615.9 5.76 3 37 0 29 65.423

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1130.5801	1130.5736	-0.0065	-6	282	290	EEERLADLR					Mascot
1130.5801	1130.5736	-0.0065	-6	282	290	EEERLADLR	29	65.423			Mascot
1236.6075	1236.743	0.1355	110	210	219	MCIIDQIQTR			Oxidation (M)[1]		Mascot
1281.5925	1281.6235	0.031	24	179	188	LDAMMEVERR			Oxidation (M)[4,5]		Mascot

29 MxD protein [Danio rerio] gi|28475263 27618.7 6.6 8 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
839.4621	839.4151	-0.047	-56	185	191	DLVDHIK					Mascot
842.444	842.4942	0.0502	60	128	134	KGYTMVK			Oxidation (M)[5]		Mascot
1039.6042	1039.5737	-0.0305	-29	56	63	LIMKYIMK					Mascot
1181.6888	1181.5719	-0.1169	-99	182	191	LTKDLVDHIK					Mascot
1181.6888	1181.5719	-0.1169	-99	182	191	LTKDLVDHIK					Mascot
1229.5942	1229.5704	-0.0238	-19	86	96	MAQNVDPEGIR					Mascot
1245.5892	1245.5704	-0.0188	-15	86	96	MAQNVDPEGIR			Oxidation (M)[1]		Mascot
1245.5892	1245.5704	-0.0188	-15	86	96	MAQNVDPEGIR			Oxidation (M)[1]		Mascot
1426.8516	1426.6699	-0.1817	-127	97	109	TVAILTKPDLIDK					Mascot

	1708.8496	1708.7771	-0.0725	-42	9	24	GVGICDDLITLEVMSK					Oxidation (M)[14]	Mascot
	2284.2217	2284.1411	-0.0806	-35	65	85	ETINLVVPCNIDIATTEAL R						Mascot
30	PREDICTED: poly [ADP-ribose] polymerase 15 [Danio rerio]				gi 326670904	97229.2	6.93	10	37	0	15	0	
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	870.5267	870.5242	-0.0025	-3	599	606	GAAVQRLR						Mascot
	1051.5387	1051.692	0.1533	146	827	836	VVTGAMCKSR						Mascot
	1077.5898	1077.514	-0.0758	-70	113	122	KGSITTESVR	4		0			Mascot
	1077.5898	1077.514	-0.0758	-70	113	122	KGSITTESVR						Mascot
	1130.5986	1130.5736	-0.025	-22	97	105	MPENQVKIR				Oxidation (M)[1]		Mascot
	1130.5986	1130.5736	-0.025	-22	97	105	MPENQVKIR	15		0	Oxidation (M)[1]		Mascot
	1165.6211	1165.7201	0.099	85	711	720	IEAEFVRSSK						Mascot
	1236.7576	1236.743	-0.0146	-12	449	458	RVHIVIFQPK						Mascot
	1281.6797	1281.6235	-0.0562	-44	359	370	APQPEDGVVLTR						Mascot
	1564.7588	1564.7742	0.0154	10	519	532	SLLDLLSEESK						Mascot
	1580.8279	1580.7805	-0.0474	-30	2	16	VGPENITDITHSLGK						Mascot
	2136.8928	2137.0828	0.19	89	802	820	DAWYSCQDQYSSVDGS GLR						Mascot
	2193.9141	2194.0737	0.1596	73	802	820	DAWYSCQDQYSSVDGS GLR				Carbamidomethyl (C)[6]		Mascot
31	PREDICTED: putative Polycomb group protein ASXL2-like [Danio rerio]				gi 189531021	131591.5	9.22	14	36	0			
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	839.4297	839.4151	-0.0146	-17	207	212	YTWELK						Mascot
	842.4011	842.4942	0.0931	111	1174	1179	CYCRLK				Carbamidomethyl (C)[1]		Mascot
	870.5267	870.5242	-0.0025	-3	252	258	LNARQLR						Mascot
	1045.6	1045.5425	-0.0575	-55	622	631	TGARTLADIK						Mascot
	1077.5647	1077.514	-0.0507	-47	642	653	AAAAAARSSSSK	7		0			Mascot
	1077.5647	1077.514	-0.0507	-47	642	653	AAAAAARSSSSK						Mascot
	1236.6769	1236.743	0.0661	53	74	84	VPGRMGVYTLK				Oxidation (M)[5]		Mascot
	1281.5991	1281.6235	0.0244	19	1035	1046	SESPSLSCLSK				Carbamidomethyl (C)[8]		Mascot
	1283.743	1283.5876	-0.1554	-121	33	42	EILQVIQRER						Mascot
	1332.6437	1332.6483	0.0046	3	177	188	RQCGISNASSPR				Carbamidomethyl (C)[3]		Mascot

	1563.7758	1563.7562	-0.0196	-13	494	507	TPTSPLEAMVTCLK					Carbamidomethyl (C)[12], Oxidation (M)[9]	Mascot
	1564.8516	1564.7742	-0.0774	-49	415	427	VNPVIEVIHMELR					Oxidation (M)[10]	Mascot
	1958.8616	1958.9482	0.0866	44	1057	1073	ETCSKGQLDMCSTIQGK					Carbamidomethyl (C)[3,11], Oxidation (M)[10]	Mascot
	1958.8616	1958.9482	0.0866	44	1057	1073	ETCSKGQLDMCSTIQGK					Carbamidomethyl (C)[3,11], Oxidation (M)[10]	Mascot
	2332.9309	2333.1191	0.1882	81	1180	1200	AMIMCKGCGAFCHDDCI GPSK					Carbamidomethyl (C)[5,8], Oxidation (M)[2,4]	Mascot
	2798.3235	2798.2908	-0.0327	-12	48	73	SGTSPLACLNAMLHTNS RGDEGIFYK					Oxidation (M)[12]	Mascot
32	hypothetical protein LOC325276 [Danio rerio]					gi 131889587	59624	6.59	3	36	0	29	65.423

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1130.5801	1130.5736	-0.0065	-6	282	290	EEERLADLR						Mascot
1130.5801	1130.5736	-0.0065	-6	282	290	EEERLADLR	29	65.423				Mascot
1236.6075	1236.743	0.1355	110	210	219	MCIIDIQTR				Oxidation (M)[1]		Mascot
1281.5925	1281.6235	0.031	24	179	188	LDAMMEVERR				Oxidation (M)[4,5]		Mascot

33	heat shock protein 47 [Danio rerio]					gi 18858869	45489.4	8.61	4	35	0	28	55.966
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1077.4749	1077.514	0.0391	36	139	146	HYNIEHSK	28	55.966				Mascot
1077.4749	1077.514	0.0391	36	139	146	HYNIEHSK						Mascot
1281.6191	1281.6235	0.0044	3	215	225	SHTVSVPMHR						Mascot
1564.6914	1564.7742	0.0828	53	226	238	TGIYGFYEDTENR						Mascot
2333.2607	2333.1191	-0.1416	-61	1	22	MWVSSIALCLLAVAVSG EDKK						Mascot

34	PREDICTED: putative uncharacterized protein C6orf183-like [Danio rerio]					gi 125841231	17473.1	9.2	6	35	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
996.4996	996.5745	0.0749	75	2	10	SQTYSSPVK						Mascot
996.4996	996.5745	0.0749	75	2	10	SQTYSSPVK						Mascot
1039.5791	1039.5737	-0.0054	-5	117	124	CKYLLMLR						Mascot
1143.535	1143.611	0.076	66	1	10	MSQTYSSPVK				Oxidation (M)[1]		Mascot
1166.6503	1166.5292	-0.1211	-104	119	126	YLLMLRWR				Oxidation (M)[4]		Mascot
1283.6816	1283.5876	-0.094	-73	138	147	LYPQYKVNMK						Mascot

38 ATP-dependent RNA helicase DDX1 [Danio rerio] ACSYHK
gi|309243086 82361.6 6.62 13 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.5294	870.5242	-0.0052	-6	289	296	ALIIEPSK					Mascot
1143.6017	1143.611	0.0093	8	597	605	ENYVHRIGR					Mascot
1153.5493	1153.5748	0.0255	22	506	514	MDQAIIFCR			Carbamidomethyl (C)[8]		Mascot
1165.6034	1165.7201	0.1167	100	568	577	FLICTDVAAR			Carbamidomethyl (C)[4]		Mascot
1283.6453	1283.5876	-0.0577	-45	224	234	SQPF FASCVLK			Carbamidomethyl (C)[8]		Mascot
1563.7406	1563.7562	0.0156	10	503	514	EHKMDQAIIFCR			Carbamidomethyl (C)[11], Oxidation (M)[4]		Mascot
1564.7543	1564.7742	0.0199	13	240	252	FNFGDEAFKHQPK					Mascot
1636.8396	1636.7954	-0.0442	-27	609	623	ADRMGLAISLVAMEK			Oxidation (M)[4,13]		Mascot
1696.8652	1696.797	-0.0682	-40	253	268	DGYVALNQAPEGHVVK					Mascot
1932.8479	1932.9259	0.078	40	131	146	GRYYYYEVACHDQGLCR					Mascot
1932.8479	1932.9259	0.078	40	131	146	GRYYYYEVACHDQGLCR					Mascot
2019.9263	2020.0612	0.1349	67	99	117	STAF AIGSDGLCCQSREF K					Mascot
2019.9263	2020.0612	0.1349	67	99	117	STAF AIGSDGLCCQSREF K					Mascot
2784.2893	2784.2913	0.002	1	466	490	TDEVHAKDDTRPGANSP EMWSEAIK					Mascot
2798.196	2798.2908	0.0948	34	178	200	QFDSYGEEFTMHDTIGC YIDLEK			Carbamidomethyl (C)[17]		Mascot

39 nitrogen fixation cluster-like [Danio rerio] gi|221307563 17420.2 8.83 6 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.5294	882.5475	0.0181	21	122	129	ELSLPPVK					Mascot
1002.5829	1002.4849	-0.098	-98	107	115	SVDEALKIK					Mascot
1045.5636	1045.5425	-0.0211	-20	42	51	NVGS LDKNAK					Mascot
1958.9785	1958.9482	-0.0303	-15	49	68	NAKNVGTGLVGAPACGD VMK			Carbamidomethyl (C)[15]		Mascot
1958.9785	1958.9482	-0.0303	-15	49	68	NAKNVGTGLVGAPACGD VMK			Carbamidomethyl (C)[15]		Mascot
2194.1611	2194.0737	-0.0874	-40	122	141	ELSLPPVKLHCSMLAEDA IK					Mascot
2247.1113	2247.0815	-0.0298	-13	84	104	FKTFGCGSAIASSSLATE WVK			Carbamidomethyl (C)[6]		Mascot

40 angiopoietin 1 [Danio rerio] gi|148724939 58333.5 6.48 10 34 0

Peptide Information

		Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
		839.5137	839.4151	-0.0986	-117	415	420 YRLFLK					Mascot
		850.4125	850.5272	0.1147	135	34	41 SNSSSGRR					Mascot
		1167.6229	1167.5614	-0.0615	-53	216	224 HRQEESLR					Mascot
		1194.5709	1194.5635	-0.0074	-6	29	40 SSTPKSNSSSGR					Mascot
		1194.5709	1194.5635	-0.0074	-6	29	40 SSTPKSNSSSGR					Mascot
		1229.5692	1229.5704	0.0012	1	209	217 MQELEDHR			Oxidation (M)[1]		Mascot
		1267.6351	1267.5913	-0.0438	-35	111	120 IENYKDNMK					Mascot
		1281.5563	1281.6235	0.0672	52	261	270 QQQDLMESMR			Oxidation (M)[6]		Mascot
		1283.63	1283.5876	-0.0424	-33	111	120 IENYKDNMK			Oxidation (M)[9]		Mascot
		1563.8013	1563.7562	-0.0451	-29	312	325 NGVYTINISPQETK					Mascot
		2297.0608	2297.1599	0.0991	43	251	270 ATGNSTALQRQQDLME SMR			Oxidation (M)[16,19]		Mascot
		2701.2939	2701.3164	0.0225	8	360	383 MGFGSVSGEHWLGNEF VHVLTNQR					Mascot
41	coiled-coil domain-containing protein 77 [Danio rerio]						gi 70887567	50397.4	8.49	1	21	0
	Peptide Information											
		Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
		1181.5831	1181.5719	-0.0112	-9	255	264 TQSLLMESTR	21	0	Oxidation (M)[6]	2	Mascot
42	LOC569134 protein [Danio rerio]						gi 141796290	54957.9	6.18	1	18	0
	Peptide Information											
		Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
		1077.5687	1077.514	-0.0547	-51	288	295 REEEFIVR	18	0		3	Mascot
43	neural orphan nuclear receptor Nur77 [Danio rerio]						gi 47060283	63776.4	5.79	1	17	0
	Peptide Information											
		Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
		1077.5436	1077.514	-0.0296	-27	505	512 RIEDFQNR	17	0		4	Mascot
44	PREDICTED: ras-specific guanine nucleotide-releasing factor 1 [Danio rerio]						gi 292623725	143434.7	6.88	1	16	0
	Peptide Information											
		Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type

		1077.5687	1077.514	-0.0547	-51	922	930	NGDKEFVIR		16	0			5	Mascot
45	alpha-L-iduronidase [Danio rerio]						gi 41055190	53903	9.32	1		16	0		
Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I. %	Modification		Rank	Result Type
		1130.6793	1130.5736	-0.1057	-93	72	80	FRVLQQALR		16	0			3	Mascot
46	PREDICTED: arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 3 [Danio rerio]						gi 189527791	188417.3	7.49	1		15	0		
Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I. %	Modification		Rank	Result Type
		1130.639	1130.5736	-0.0654	-58	1492	1501	FGTMPLVPIR		15	0			4	Mascot
47	Unknown (protein for IMAGE:6962011) [Danio rerio]						gi 197245616	292441.8	6.31	1		15	0		
Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I. %	Modification		Rank	Result Type
		1181.7252	1181.5719	-0.1533	-130	1328	1338	SDPKVKPIVAK		17	0			3	Mascot
48	LOC100148704 protein [Danio rerio]						gi 169642057	94325.7	7.16	1		15	0		
Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I. %	Modification		Rank	Result Type
		1130.5986	1130.5736	-0.025	-22	69	77	MPENQVKIR		15	0	Oxidation (M)[1]		5	Mascot
49	PREDICTED: hypothetical protein LOC564101 [Danio rerio]						gi 189523351	330152.6	5.31	1		15	0		
Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I. %	Modification		Rank	Result Type
		1077.5356	1077.514	-0.0216	-20	2052	2059	EREMEVLR		16	0	Oxidation (M)[4]		5	Mascot
50	PREDICTED: hypothetical protein LOC407633 [Danio rerio]						gi 326677031	282878.7	9.17	1		15	0		
Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I. %	Modification		Rank	Result Type

1077.4596	1077.514	0.0544	50	407	416	SSWGESGDPR	15	0	7	Mascot
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Gel Idx/Pos	207/I7	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Krt4 protein [Danio rerio]	gi 161612220	53979.9	5.34	25	960	100	767	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
827.4297	827.4138	-0.0159	-19	125	131 FASFIDK					Mascot
882.4349	882.5457	0.1108	126	33	40 MSSVTSVR			Oxidation (M)[1]		Mascot
915.4893	915.4689	-0.0204	-22	328	335 AEIAELNR					Mascot
932.4683	932.4484	-0.0199	-21	417	424 LLEGEESR					Mascot
950.4941	950.4712	-0.0229	-24	249	256 AVYEAELR					Mascot
973.4948	973.4887	-0.0061	-6	173	181 QLDGLGNEK					Mascot
983.4468	983.4212	-0.0256	-26	299	306 AEAESWYK					Mascot
987.5105	987.4866	-0.0239	-24	378	385 ELEEALQR					Mascot
1060.5632	1060.5389	-0.0243	-23	416	424 KLEGEESR					Mascot
1079.5116	1079.4886	-0.023	-21	288	296 AQYEDIANR					Mascot
1153.5558	1153.5287	-0.0271	-23	396	404 EYQELMNVK					Mascot
1169.5507	1169.5322	-0.0185	-16	396	404 EYQELMNVK			Oxidation (M)[6]		Mascot
1226.5801	1226.5541	-0.026	-21	297	306 SRAEAESWYK					Mascot
1248.6833	1248.6549	-0.0284	-23	210	220 ASVENEFVLLK					Mascot
1256.6957	1256.6704	-0.0253	-20	376	385 IRELEEALQR					Mascot
1256.6957	1256.6704	-0.0253	-20	376	385 IRELEEALQR	31	79.101			Mascot
1277.71	1277.6833	-0.0267	-21	405	415 LALDIEIATYR					Mascot
1277.71	1277.6833	-0.0267	-21	405	415 LALDIEIATYR	86	100			Mascot
1361.673	1361.6444	-0.0286	-21	276	287 NLDMDSIVA EVR					Mascot
1362.7013	1362.6691	-0.0322	-24	146	156 WSLLEQQTTR					Mascot
1362.7013	1362.6691	-0.0322	-24	146	156 WSLLEQQTTR	80	100			Mascot
1377.6678	1377.6392	-0.0286	-21	276	287 NLDMDSIVA EVR			Oxidation (M)[4]		Mascot
1432.743	1432.7126	-0.0304	-21	237	248 VDALQDEINFLR					Mascot
1432.743	1432.7126	-0.0304	-21	237	248 VDALQDEINFLR	102	100			Mascot
1443.7074	1443.6746	-0.0328	-23	352	364 ANLEAQIAEAEER	89	100			Mascot

	1443.7074	1443.6746	-0.0328	-23	352	364	ANLEAQIAEAEER													Mascot
	1743.837	1743.797	-0.04	-23	157	171	SNIDAMFEAYISNLR													Mascot
	1743.837	1743.797	-0.04	-23	157	171	SNIDAMFEAYISNLR	157	100											Mascot
	1759.8319	1759.7922	-0.0397	-23	157	171	SNIDAMFEAYISNLR	86	100	Oxidation (M)[6]										Mascot
	1759.8319	1759.7922	-0.0397	-23	157	171	SNIDAMFEAYISNLR			Oxidation (M)[6]										Mascot
	1846.7913	1846.7467	-0.0446	-24	309	324	FEEMQSTAGQYGDDL													Mascot
	1862.7861	1862.745	-0.0411	-22	309	324	FEEMQSTAGQYGDDL			Oxidation (M)[4]										Mascot
	1899.9381	1899.896	-0.0421	-22	157	172	SNIDAMFEAYISNLR													Mascot
	1915.933	1915.8911	-0.0419	-22	157	172	SNIDAMFEAYISNLR			Oxidation (M)[6]										Mascot
	2041.0559	2041.0117	-0.0442	-22	352	370	ANLEAQIAEAEERGELAV K	117	100											Mascot
	2041.0559	2041.0117	-0.0442	-22	352	370	ANLEAQIAEAEERGELAV K													Mascot
	2102.1128	2101.8718	-0.241	-115	231	248	VELEAKVDALQDEINFLR													Mascot
	2102.9448	2102.8892	-0.0556	-26	307	324	QKFEEMQSTAGQYGDDL R													Mascot
	2118.9397	2118.8967	-0.043	-20	307	324	QKFEEMQSTAGQYGDDL R			Oxidation (M)[6]										Mascot
	2118.9397	2118.8967	-0.043	-20	307	324	QKFEEMQSTAGQYGDDL R	106	100	Oxidation (M)[6]										Mascot
2	keratin 4 [Danio rerio]					gi 18858947	54242	5.42	24	944	100	769	100							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4349	882.5457	0.1108	126	33	40	MSSVTSVR			Oxidation (M)[1]		Mascot
915.4893	915.4689	-0.0204	-22	329	336	AEIAELNR					Mascot
932.4683	932.4484	-0.0199	-21	418	425	LLEGEESR					Mascot
950.4941	950.4712	-0.0229	-24	250	257	AVYEAE LR					Mascot
973.4948	973.4887	-0.0061	-6	174	182	QLDGLGNEK					Mascot
983.4468	983.4212	-0.0256	-26	300	307	AEAESWYK					Mascot
987.5105	987.4866	-0.0239	-24	379	386	ELEEALQR					Mascot
1060.5632	1060.5389	-0.0243	-23	417	425	KLLEGEESR					Mascot
1079.5116	1079.4886	-0.023	-21	289	297	AQYEDIANR					Mascot
1153.5558	1153.5287	-0.0271	-23	397	405	EYQELMNVK					Mascot
1169.5507	1169.5322	-0.0185	-16	397	405	EYQELMNVK			Oxidation (M)[6]		Mascot
1226.5801	1226.5541	-0.026	-21	298	307	SRAEAESWYK					Mascot
1248.6833	1248.6549	-0.0284	-23	211	221	ASVENEFVLLK					Mascot
1256.6957	1256.6704	-0.0253	-20	377	386	IRELEELALQR					Mascot
1256.6957	1256.6704	-0.0253	-20	377	386	IRELEELALQR	31	79.101			Mascot

1277.71	1277.6833	-0.0267	-21	406	416	LALDIEIATYR							Mascot
1277.71	1277.6833	-0.0267	-21	406	416	LALDIEIATYR	86	100					Mascot
1361.673	1361.6444	-0.0286	-21	277	288	NLDMSIVAIEVR							Mascot
1362.7013	1362.6691	-0.0322	-24	147	157	WSLLQEQTTR							Mascot
1362.7013	1362.6691	-0.0322	-24	147	157	WSLLQEQTTR	80	100					Mascot
1377.6678	1377.6392	-0.0286	-21	277	288	NLDMSIVAIEVR			Oxidation (M)[4]				Mascot
1432.743	1432.7126	-0.0304	-21	238	249	VDALQDEINFLR							Mascot
1432.743	1432.7126	-0.0304	-21	238	249	VDALQDEINFLR	102	100					Mascot
1443.7074	1443.6746	-0.0328	-23	353	365	ANLEAQIAEAEER	89	100					Mascot
1443.7074	1443.6746	-0.0328	-23	353	365	ANLEAQIAEAEER							Mascot
1743.837	1743.797	-0.04	-23	158	172	SNIDAMFEAYISNLR							Mascot
1743.837	1743.797	-0.04	-23	158	172	SNIDAMFEAYISNLR	157	100					Mascot
1759.8319	1759.7922	-0.0397	-23	158	172	SNIDAMFEAYISNLR	86	100	Oxidation (M)[6]				Mascot
1759.8319	1759.7922	-0.0397	-23	158	172	SNIDAMFEAYISNLR			Oxidation (M)[6]				Mascot
1846.7913	1846.7467	-0.0446	-24	310	325	FEEMQSTAGQYGDDL							Mascot
1862.7861	1862.745	-0.0411	-22	310	325	FEEMQSTAGQYGDDL			Oxidation (M)[4]				Mascot
1899.9381	1899.896	-0.0421	-22	158	173	SNIDAMFEAYISNLR							Mascot
1915.933	1915.8911	-0.0419	-22	158	173	SNIDAMFEAYISNLR			Oxidation (M)[6]				Mascot
2041.0559	2041.0117	-0.0442	-22	353	371	ANLEAQIAEAEERGELAV K	117	100					Mascot
2041.0559	2041.0117	-0.0442	-22	353	371	ANLEAQIAEAEERGELAV K							Mascot
2102.1128	2101.8718	-0.241	-115	232	249	VELEAKVDALQDEINFLR							Mascot
2102.9448	2102.8892	-0.0556	-26	308	325	QKFEEMQSTAGQYGDDL R							Mascot
2118.9397	2118.8967	-0.043	-20	308	325	QKFEEMQSTAGQYGDDL R			Oxidation (M)[6]				Mascot
2118.9397	2118.8967	-0.043	-20	308	325	QKFEEMQSTAGQYGDDL R	106	100	Oxidation (M)[6]				Mascot

3

Krt5 protein [Danio rerio]

gi|39645432

57792.3

5.27

18

526

100

420

100

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
827.4297	827.4138	-0.0159	-19	155	161	FASFDK						Mascot
932.4683	932.4484	-0.0199	-21	447	454	LLEGEESR						Mascot
973.4948	973.4887	-0.0061	-6	203	211	QLDGLGNEK						Mascot
983.4468	983.4212	-0.0256	-26	329	336	AEAESWYK						Mascot
1060.5632	1060.5389	-0.0243	-23	446	454	KLLEGEESR						Mascot
1079.5116	1079.4886	-0.023	-21	318	326	AQYEDIANR						Mascot
1093.4877	1093.5111	0.0234	21	2	14	SGGMGGGMGGGIR						Mascot

1153.5558	1153.5287	-0.0271	-23	426	434	EYQELMNVK				Mascot
1169.5507	1169.5322	-0.0185	-16	426	434	EYQELMNVK			Oxidation (M)[6]	Mascot
1226.5801	1226.5541	-0.026	-21	327	336	SRAEAESWYK				Mascot
1248.6252	1248.6549	0.0297	24	203	213	QLDGLGNEKMK			Oxidation (M)[10]	Mascot
1256.5179	1256.6704	0.1525	121	1	14	MSGGMGGGMGGGIR			Oxidation (M)[1,5]	Mascot
1256.5179	1256.6704	0.1525	121	1	14	MSGGMGGGMGGGIR			Oxidation (M)[1,5]	Mascot
1277.71	1277.6833	-0.0267	-21	435	445	LALDIEIATYR				Mascot
1277.71	1277.6833	-0.0267	-21	435	445	LALDIEIATYR	86	100		Mascot
1361.673	1361.6444	-0.0286	-21	306	317	NLDMDAIVAEVR			Oxidation (M)[4]	Mascot
1362.7013	1362.6691	-0.0322	-24	176	186	WSLLQEQTTR				Mascot
1362.7013	1362.6691	-0.0322	-24	176	186	WSLLQEQTTR	80	100		Mascot
1443.7074	1443.6746	-0.0328	-23	382	394	ANLEAQIAEAER	89	100		Mascot
1443.7074	1443.6746	-0.0328	-23	382	394	ANLEAQIAEAER				Mascot
1743.837	1743.797	-0.04	-23	187	201	SNIDAMFEAYIANLR			Oxidation (M)[6]	Mascot
1743.837	1743.797	-0.04	-23	187	201	SNIDAMFEAYIANLR	48	99.543	Oxidation (M)[6]	Mascot
1899.9381	1899.896	-0.0421	-22	187	202	SNIDAMFEAYIANLRR			Oxidation (M)[6]	Mascot
2041.0559	2041.0117	-0.0442	-22	382	400	ANLEAQIAEAERGELAV K	117	100		Mascot
2041.0559	2041.0117	-0.0442	-22	382	400	ANLEAQIAEAERGELAV K				Mascot

Peptide Information

	1362.7013	1362.6691	-0.0322	-24	186	196	WSLLQEQTTR									Mascot
	1362.7013	1362.6691	-0.0322	-24	186	196	WSLLQEQTTR	80	100							Mascot
	1443.7074	1443.6746	-0.0328	-23	392	404	ANLEAQIAEAEER	89	100							Mascot
	1443.7074	1443.6746	-0.0328	-23	392	404	ANLEAQIAEAEER									Mascot
	1743.837	1743.797	-0.04	-23	197	211	SNIDAMFEAYIANLR					Oxidation (M)[6]				Mascot
	1743.837	1743.797	-0.04	-23	197	211	SNIDAMFEAYIANLR	48	99.543			Oxidation (M)[6]				Mascot
	1899.9381	1899.896	-0.0421	-22	197	212	SNIDAMFEAYIANLRR					Oxidation (M)[6]				Mascot
	2041.0559	2041.0117	-0.0442	-22	392	410	ANLEAQIAEAEERGELAV K	117	100							Mascot
	2041.0559	2041.0117	-0.0442	-22	392	410	ANLEAQIAEAEERGELAV K									Mascot
5	keratin 8 [Danio rerio]				gi 29335502		55516.4	5.01	9	161	100	134	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
827.4297	827.4138	-0.0159	-19	105	111	FASFDK						Mascot
1079.5116	1079.4886	-0.023	-21	268	276	AQYEDIANR						Mascot
1248.6252	1248.6549	0.0297	24	153	163	QLDSLGNCKMK						Mascot
1277.71	1277.6833	-0.0267	-21	385	395	LALDIEIATYR						Mascot
1277.71	1277.6833	-0.0267	-21	385	395	LALDIEIATYR	86	100				Mascot
1361.673	1361.6444	-0.0286	-21	256	267	NLDMDAIVAEVR				Oxidation (M)[4]		Mascot
1475.7635	1475.7234	-0.0401	-27	308	319	TEIADLNRMQR				Oxidation (M)[9]		Mascot
1743.837	1743.797	-0.04	-23	137	151	SNIDAMFEAYIANLR				Oxidation (M)[6]		Mascot
1743.837	1743.797	-0.04	-23	137	151	SNIDAMFEAYIANLR	48	99.543		Oxidation (M)[6]		Mascot
1899.9381	1899.896	-0.0421	-22	137	152	SNIDAMFEAYIANLRR				Oxidation (M)[6]		Mascot
2119.1282	2118.8967	-0.2315	-109	211	228	VELEAKLESILTDEINFLR						Mascot
2119.1282	2118.8967	-0.2315	-109	211	228	VELEAKLESILTDEINFLR	3	0				Mascot

6	keratin, type II cytoskeletal 8 [Danio rerio]				gi 41056085		57723.4	5.15	9	160	100	134	100			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
827.4297	827.4138	-0.0159	-19	126	132	FASFDK						Mascot
1079.5116	1079.4886	-0.023	-21	289	297	AQYEDIANR						Mascot
1248.6252	1248.6549	0.0297	24	174	184	QLDSLGNCKMK						Mascot
1277.71	1277.6833	-0.0267	-21	406	416	LALDIEIATYR						Mascot
1277.71	1277.6833	-0.0267	-21	406	416	LALDIEIATYR	86	100				Mascot
1361.673	1361.6444	-0.0286	-21	277	288	NLDMDAIVAEVR				Oxidation (M)[4]		Mascot

	1475.7635	1475.7234	-0.0401	-27	329	340	TEIADLNRMQIR						Oxidation (M)[9]	Mascot
	1743.837	1743.797	-0.04	-23	158	172	SNIDAMFEAYIANLR						Oxidation (M)[6]	Mascot
	1743.837	1743.797	-0.04	-23	158	172	SNIDAMFEAYIANLR	48	99.543				Oxidation (M)[6]	Mascot
	1899.9381	1899.896	-0.0421	-22	158	173	SNIDAMFEAYIANLRR						Oxidation (M)[6]	Mascot
	2119.1282	2118.8967	-0.2315	-109	232	249	VELEAKLESLTDEINFLR							Mascot
	2119.1282	2118.8967	-0.2315	-109	232	249	VELEAKLESLTDEINFLR	3	0					Mascot
7	Keratin 8 [Danio rerio]				gi 159155987		57624.4	5.1	8	156	100	134	100	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	827.4297	827.4138	-0.0159	-19	126	132	FASFDIK						Mascot
	1079.5116	1079.4886	-0.023	-21	289	297	AQYEDIANR						Mascot
	1248.6252	1248.6549	0.0297	24	174	184	QLDSLGNCKMK						Mascot
	1277.71	1277.6833	-0.0267	-21	406	416	LALDIEIATYR						Mascot
	1277.71	1277.6833	-0.0267	-21	406	416	LALDIEIATYR	86	100				Mascot
	1475.7635	1475.7234	-0.0401	-27	329	340	TEIADLNRMQIR				Oxidation (M)[9]		Mascot
	1743.837	1743.797	-0.04	-23	158	172	SNIDAMFEAYIANLR				Oxidation (M)[6]		Mascot
	1743.837	1743.797	-0.04	-23	158	172	SNIDAMFEAYIANLR	48	99.543		Oxidation (M)[6]		Mascot
	1899.9381	1899.896	-0.0421	-22	158	173	SNIDAMFEAYIANLRR				Oxidation (M)[6]		Mascot
	2119.1282	2118.8967	-0.2315	-109	232	249	VELEAKLESLTDEINFLR						Mascot
	2119.1282	2118.8967	-0.2315	-109	232	249	VELEAKLESLTDEINFLR	3	0				Mascot

8	class III intermediate filament protein [Danio rerio]				gi 38374177		51255	5.28	10	151	100	115	100	
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	850.4265	850.524	0.0975	115	435	441	ESTTERK						Mascot
	932.4683	932.4484	-0.0199	-21	381	388	LLEGEESR						Mascot
	1060.5632	1060.5389	-0.0243	-23	380	388	KLLEGEESR						Mascot
	1093.5272	1093.5111	-0.0161	-15	273	282	FADLTDAANR						Mascot
	1134.5712	1134.5354	-0.0358	-32	343	351	LEDEIQMLK				Oxidation (M)[7]		Mascot
	1277.71	1277.6833	-0.0267	-21	369	379	LALDIEIATYR						Mascot
	1277.71	1277.6833	-0.0267	-21	369	379	LALDIEIATYR	86	100				Mascot
	1308.6543	1308.6278	-0.0265	-20	271	282	SKFADLTDAANR						Mascot
	1377.6216	1377.6392	0.0176	13	1	11	MESQRSFSSYR						Mascot
	1432.7682	1432.7126	-0.0556	-39	202	213	IEALQDEINFLK						Mascot

		1432.7682	1432.7126	-0.0556	-39	202	213	IEALQDEINFLK		29	65.316					Mascot
		1475.7522	1475.7234	-0.0288	-20	300	312	QIQGLTCDLESLR								Mascot
9	Gfap protein [Danio rerio]					gi 124504410		51101	5.34	10	150	100	115	100		
	Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	%	Modification		Rank	Result Type
		850.4265	850.524	0.0975	115	434	440	ESTTERK								Mascot
		932.4683	932.4484	-0.0199	-21	380	387	LLEGEESR								Mascot
		1060.5632	1060.5389	-0.0243	-23	379	387	KLLEGEESR								Mascot
		1093.5272	1093.5111	-0.0161	-15	272	281	FADLTDAANR								Mascot
		1134.5712	1134.5354	-0.0358	-32	342	350	LEDEIQMLK					Oxidation (M)[7]			Mascot
		1277.71	1277.6833	-0.0267	-21	368	378	LALDIEIATYR								Mascot
		1277.71	1277.6833	-0.0267	-21	368	378	LALDIEIATYR	86		100					Mascot
		1308.6543	1308.6278	-0.0265	-20	270	281	SKFADLTDAANR								Mascot
		1377.6857	1377.6392	-0.0465	-34	428	439	DGEIIKESTTER								Mascot
		1432.7682	1432.7126	-0.0556	-39	201	212	IEALQDEINFLK								Mascot
		1432.7682	1432.7126	-0.0556	-39	201	212	IEALQDEINFLK	29		65.316					Mascot
		1475.7522	1475.7234	-0.0288	-20	299	311	QIQGLTCDLESLR								Mascot
10	glial fibrillary acidic protein [Danio rerio]					gi 37722304		51205	5.34	10	149	100	115	100		
	Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	%	Modification		Rank	Result Type
		850.4265	850.524	0.0975	115	435	441	ESTTERK								Mascot
		932.4683	932.4484	-0.0199	-21	381	388	LLEGEESR								Mascot
		1060.5632	1060.5389	-0.0243	-23	380	388	KLLEGEESR								Mascot
		1093.5272	1093.5111	-0.0161	-15	273	282	FADLTDAANR								Mascot
		1134.5712	1134.5354	-0.0358	-32	343	351	LEDEIQMLK					Oxidation (M)[7]			Mascot
		1277.71	1277.6833	-0.0267	-21	369	379	LALDIEIATYR								Mascot
		1277.71	1277.6833	-0.0267	-21	369	379	LALDIEIATYR	86		100					Mascot
		1308.6543	1308.6278	-0.0265	-20	271	282	SKFADLTDAANR								Mascot
		1377.6216	1377.6392	0.0176	13	1	11	MESQRSFSSYR								Mascot
		1432.7682	1432.7126	-0.0556	-39	202	213	IEALQDEINFLK								Mascot
		1432.7682	1432.7126	-0.0556	-39	202	213	IEALQDEINFLK	29		65.316					Mascot
		1475.7522	1475.7234	-0.0288	-20	300	312	QIQGLTCDLESLR								Mascot
11	glial fibrillary acidic protein [Danio rerio]					gi 20977259		42127.4	5.03	9	146	100	115	100		

Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type			
	850.4265	850.524	0.0975	115	351	357 ESTTERK				Mascot			
	932.4683	932.4484	-0.0199	-21	297	304 LLEGEESR				Mascot			
	1060.5632	1060.5389	-0.0243	-23	296	304 KLEGEESR				Mascot			
	1093.5272	1093.5111	-0.0161	-15	189	198 FADLTDAANR				Mascot			
	1134.5712	1134.5354	-0.0358	-32	259	267 LEDEIQMLK			Oxidation (M)[7]	Mascot			
	1277.71	1277.6833	-0.0267	-21	285	295 LALDIEIATYR				Mascot			
	1277.71	1277.6833	-0.0267	-21	285	295 LALDIEIATYR	86	100		Mascot			
	1308.6543	1308.6278	-0.0265	-20	187	198 SKFADLTDAANR				Mascot			
	1377.6857	1377.6392	-0.0465	-34	345	356 DGEIKESTTER				Mascot			
	1432.7682	1432.7126	-0.0556	-39	118	129 IEALQDEINFLK				Mascot			
	1432.7682	1432.7126	-0.0556	-39	118	129 IEALQDEINFLK	29	65.316		Mascot			
12	glial fibrillary acidic protein [Danio rerio]				gij239596173		19203.6	4.89	7	125	100	86	100
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type			
	932.4683	932.4484	-0.0199	-21	122	129 LLEGEESR				Mascot			
	1060.5632	1060.5389	-0.0243	-23	121	129 KLEGEESR				Mascot			
	1093.5272	1093.5111	-0.0161	-15	14	23 FADLTDAANR				Mascot			
	1134.5712	1134.5354	-0.0358	-32	84	92 LEDEIQMLK			Oxidation (M)[7]	Mascot			
	1277.71	1277.6833	-0.0267	-21	110	120 LALDIEIATYR				Mascot			
	1277.71	1277.6833	-0.0267	-21	110	120 LALDIEIATYR	86	100		Mascot			
	1308.6543	1308.6278	-0.0265	-20	12	23 SKFADLTDAANR				Mascot			
	1475.7522	1475.7234	-0.0288	-20	41	53 QIQGLTCDLESLR				Mascot			
13	keratin type II, tail domain [Danio rerio]				gij4107170		10583.9	8.29	3	104	100	86	100
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type			
	932.4683	932.4484	-0.0199	-21	16	23 LLEGEESR				Mascot			
	1060.5632	1060.5389	-0.0243	-23	15	23 KLEGEESR				Mascot			
	1277.71	1277.6833	-0.0267	-21	4	14 LALDIEIATYR				Mascot			
	1277.71	1277.6833	-0.0267	-21	4	14 LALDIEIATYR	86	100		Mascot			

14 Zgc:158846 [Danio rerio] gi|158253572 55223 5.44 6 96 99.999 86 100

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
827.4297	827.4138	-0.0159	-19	87	93	FASFIDK					Mascot
932.4683	932.4484	-0.0199	-21	379	386	LLEGEESR					Mascot
996.5472	996.5739	0.0267	27	421	429	DIHNTGLVK					Mascot
1060.5632	1060.5389	-0.0243	-23	378	386	KLLEGEESR					Mascot
1277.71	1277.6833	-0.0267	-21	367	377	LALDIEIATYR					Mascot
1277.71	1277.6833	-0.0267	-21	367	377	LALDIEIATYR	86	100			Mascot
1426.6882	1426.6681	-0.0201	-14	152	163	DMNTLVEDFKSK					Mascot

15 PREDICTED: keratin, type II cytoskeletal 8 [Danio rerio] gi|125849603 49959.2 5.46 6 94 99.998 86 100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
973.4948	973.4887	-0.0061	-6	343	350	DLEEALQR				Mascot
1060.6361	1060.5389	-0.0972	-92	422	430	IVIKTTETR				Mascot
1153.5558	1153.5287	-0.0271	-23	361	369	EYQELMNVK				Mascot
1169.5507	1169.5322	-0.0185	-16	361	369	EYQELMNVK			Oxidation (M)[6]	Mascot
1181.6121	1181.564	-0.0481	-41	8	19	ISSSSSVRSSGK				Mascot
1256.5793	1256.6704	0.0911	72	264	273	EEAESWYKSK				Mascot
1256.5793	1256.6704	0.0911	72	264	273	EEAESWYKSK				Mascot
1277.71	1277.6833	-0.0267	-21	370	380	LALDIEIATYR				Mascot
1277.71	1277.6833	-0.0267	-21	370	380	LALDIEIATYR	86	100		Mascot

16 novel protein similar to vertebrate keratin family [Danio rerio] gi|157885973 46874.6 5.23 5 93 99.998 86 100

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
973.4948	973.4887	-0.0061	-6	365	372	DLEEALQR					Mascot
1153.5558	1153.5287	-0.0271	-23	383	391	EYQELMNVK					Mascot
1169.5507	1169.5322	-0.0185	-16	383	391	EYQELMNVK			Oxidation (M)[6]		Mascot
1181.6121	1181.564	-0.0481	-41	30	41	ISSSSSVRSSGK					Mascot
1256.5793	1256.6704	0.0911	72	286	295	EEAESWYKSK					Mascot
1256.5793	1256.6704	0.0911	72	286	295	EEAESWYKSK					Mascot

		1277.71	1277.6833	-0.0267	-21	392	402	LALDIEIATYR									Mascot
		1277.71	1277.6833	-0.0267	-21	392	402	LALDIEIATYR	86	100							Mascot
17	RAS guanyl-releasing protein 1 [Danio rerio]						gi 113678177	77834.7	7.57	14	50	59.415					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
842.4882	842.4896	0.0014	2	271	277	FIHVAQK						Mascot
932.3712	932.4484	0.0772	83	569	576	DCGVNCHK			Carbamidomethyl (C)[2]			Mascot
983.4536	983.4212	-0.0324	-33	466	473	QMVDSIMK			Oxidation (M)[2,7]			Mascot
987.4022	987.4866	0.0844	85	1	8	MGFDTMNR			Oxidation (M)[1]			Mascot
1165.5703	1165.5551	-0.0152	-13	580	589	DVVGMECLKR			Oxidation (M)[5]			Mascot
1165.5703	1165.7173	0.147	126	580	589	DVVGMECLKR			Oxidation (M)[5]			Mascot
1169.636	1169.5322	-0.1038	-89	119	127	RPQICHFIR						Mascot
1181.4714	1181.564	0.0926	78	66	75	CLHCFDSGK			Carbamidomethyl (C)[1]			Mascot
1226.6575	1226.5541	-0.1034	-84	119	127	RPQICHFIR			Carbamidomethyl (C)[5]			Mascot
1361.6375	1361.6444	0.0069	5	577	588	HCKDVVGMECLK						Mascot
1377.6323	1377.6392	0.0069	5	577	588	HCKDVVGMECLK			Oxidation (M)[8]			Mascot
1475.6803	1475.7234	0.0431	29	577	588	HCKDVVGMECLK			Carbamidomethyl (C)[2,10]			Mascot
1762.7206	1762.9688	0.2482	141	563	576	QGYHCKDCGVNCHK			Carbamidomethyl (C)[5,8,12]			Mascot
1846.864	1846.7467	-0.1173	-64	507	521	EGEISREEITSYFMR						Mascot
1862.8589	1862.745	-0.1139	-61	507	521	EGEISREEITSYFMR			Oxidation (M)[14]			Mascot
1899.9244	1899.896	-0.0284	-15	546	562	RPTFCDCGGFLWGVIK						Mascot
2280.1296	2280.0908	-0.0388	-17	240	258	SVMLCNGVSQWVQLMILNR			Carbamidomethyl (C)[5], Oxidation (M)[3,15]			Mascot
2284.2812	2284.1218	-0.1594	-70	433	454	IQPVAPVKPPVVAEWGS						Mascot
2834.3501	2834.2317	-0.1184	-42	522	545	GMSVCAKLGFNHLNLHN FHETTYK			Carbamidomethyl (C)[5], Oxidation (M)[2]			Mascot

18	PREDICTED: cytochrome c oxidase subunit 5A, mitochondrial isoform 2 [Danio rerio]						gi 68444185	19242	8.69	8	49	45.252					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
915.5509	915.4689	-0.082	-90	130	137	ILEAVKDK						Mascot
1134.5684	1134.5354	-0.033	-29	12	21	CASDVISARR			Carbamidomethyl (C)[1]			Mascot
1169.679	1169.5322	-0.1468	-126	22	31	VLQFSLIGHR						Mascot
1226.5172	1226.5541	0.0369	30	68	77	VETDEEFDSR						Mascot

	1254.7277	1254.6763	-0.0514	-41	50	61	TRAAQTAPLAVR							Mascot
	1743.8959	1743.797	-0.0989	-57	52	67	AAQTAPLAVRCYSHAK					Carbamidomethyl (C)[11]		Mascot
	1743.8959	1743.797	-0.0989	-57	52	67	AAQTAPLAVRCYSHAK					Carbamidomethyl (C)[11]		Mascot
	1915.8126	1915.8911	0.0785	41	62	77	CYSHAKVETDEEFDSR							Mascot
	2040.9225	2041.0117	0.0892	44	2	20	GPPYSSASCRCASDVISAR					Carbamidomethyl (C)[9,11]		Mascot
	2040.9225	2041.0117	0.0892	44	2	20	GPPYSSASCRCASDVISAR					Carbamidomethyl (C)[9,11]		Mascot
19	PREDICTED: gastrula zinc finger protein XICGF57.1-like [Danio rerio]					gi 326666728	33351.9	9.4	10	42	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
915.3811	915.4689	0.0878	96	33	40	FTCTQCGR					Mascot
950.5101	950.4712	-0.0389	-41	191	197	HMRIHTR					Mascot
1045.5459	1045.5375	-0.0084	-8	129	137	SSTLNKHK					Mascot
1153.5959	1153.5287	-0.0672	-58	125	134	SFNRSSSTLNK					Mascot
1181.6022	1181.564	-0.0382	-32	265	274	SFRQSSSLNR					Mascot
1362.6041	1362.6691	0.065	48	33	44	FTCTQCGRSFGR					Mascot
1362.6041	1362.6691	0.065	48	33	44	FTCTQCGRSFGR					Mascot
1649.7775	1649.8845	0.107	65	54	68	IHTGEKPFCTCTQCGK					Mascot
1649.7775	1649.8845	0.107	65	250	264	IHTGEKPFCTCTQCGK					Mascot
1862.9	1862.745	-0.155	-83	194	208	IHTREKPFCTCTQCGK			Carbamidomethyl (C)[10,13]		Mascot
2102.9932	2102.8892	-0.104	-49	219	236	HMKIHTGEKPFCTCTQCGK			Carbamidomethyl (C)[13]		Mascot
2118.988	2118.8967	-0.0913	-43	219	236	HMKIHTGEKPFCTCTQCGK			Carbamidomethyl (C)[13], Oxidation (M)[2]		Mascot
2118.988	2118.8967	-0.0913	-43	219	236	HMKIHTGEKPFCTCTQCGK			Carbamidomethyl (C)[13], Oxidation (M)[2]		Mascot
2211.0432	2211.0591	0.0159	7	54	72	IHTGEKPFCTCTQCGKSFG			Carbamidomethyl (C)[10,13]		Mascot

20 novel protein [Danio rerio] gi|123231159 11826.2 9.18 6 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.472	864.4708	-0.0012	-1	15	21	RTSMLTR					Mascot
996.5182	996.5739	0.0557	56	49	57	DCPLVAPPK			Carbamidomethyl (C)[2]		Mascot
1045.516	1045.5375	0.0215	21	72	80	QTNITDEPK					Mascot
1716.7891	1716.8151	0.026	15	16	30	TSMLTRMADSSSESLR			Oxidation (M)[3,7]		Mascot
1846.9302	1846.7467	-0.1835	-99	1	15	VVCASYQPLHLMEKR			Carbamidomethyl (C)[3], Oxidation (M)[12]		Mascot

	2063.0742	2062.9817	-0.0925	-45	31	48	QYGLSQLFHPVLLTCTR							Mascot						
21	PREDICTED: transcription factor E2F8 [Danio rerio]													gi 326669232	102227.6	9.39	14	41	0	
Peptide Information																				
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank	Result Type						
	827.4257	827.4138	-0.0119	-14	358	364	VHVTEDK							Mascot						
	950.4941	950.4712	-0.0229	-24	408	416	NLFSSPGTK							Mascot						
	973.4957	973.4887	-0.007	-7	463	471	MAHLAAICK					Oxidation (M)[1]		Mascot						
	1060.6626	1060.5389	-0.1237	-117	422	430	HHSLVKLVK							Mascot						
	1165.479	1165.5551	0.0761	65	752	761	EPQCSNESSK					Carbamidomethyl (C)[4]		Mascot						
	1179.5786	1179.5734	-0.0052	-4	612	622	SSVGSPSKMQR					Oxidation (M)[9]		Mascot						
	1181.6538	1181.564	-0.0898	-76	418	427	GFTRHHSLVK							Mascot						
	1226.6052	1226.5541	-0.0511	-42	372	382	WTGPEDIPSPK							Mascot						
	1254.6221	1254.6763	0.0542	43	1	11	MLSPTMYNAVK							Mascot						
	1383.7816	1383.6533	-0.1283	-93	145	156	SLGLLCYKFLAR							Mascot						
	1443.7988	1443.6746	-0.1242	-86	627	639	SVSPKLCEILQAR							Mascot						
	1443.7988	1443.6746	-0.1242	-86	627	639	SVSPKLCEILQAR							Mascot						
	2085.9683	2085.8743	-0.094	-45	577	596	TSPATLTSNNQTNQSSS YGK							Mascot						
	2119.187	2118.8967	-0.2903	-137	300	319	FVMLFLVSSPPVSLDVA AK							Mascot						
	2119.187	2118.8967	-0.2903	-137	300	319	FVMLFLVSSPPVSLDVA AK							Mascot						
	2225.1667	2225.0718	-0.0949	-43	185	203	IYDIMNVLESLNMVSRLA K					Oxidation (M)[5]		Mascot						
22	Pbx2 [Danio rerio]													gi 7861936	18895.6	9.08	7	41	0	
Peptide Information																				
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank	Result Type						
	864.4686	864.4708	0.0022	3	153	159	SRFLDAR							Mascot						
	1051.5782	1051.6881	0.1099	105	133	141	FSSIQTQLK							Mascot						
	1179.6442	1179.5734	-0.0708	-60	1	10	ALFSVLCEIK					Carbamidomethyl (C)[7]		Mascot						
	1649.8129	1649.8845	0.0716	43	19	32	NVQEEPPDPQLVR							Mascot						
	1649.8129	1649.8845	0.0716	43	19	32	NVQEEPPDPQLVR							Mascot						
	1743.9388	1743.797	-0.1418	-81	79	92	LSQIRNIYHTELEK							Mascot						
	1743.9388	1743.797	-0.1418	-81	79	92	LSQIRNIYHTELEK							Mascot						
	2054.927	2054.9158	-0.0112	-5	93	109	YEQACSESTTHVMNLLR					Carbamidomethyl (C)[5], Oxidation (M)[13]		Mascot						
	2283.1836	2283.1252	-0.0584	-26	133	152	FSSIQTQLKQSTCEAVMI LR							Mascot						

23 PREDICTED: gastrula zinc finger protein
XICGF57.1-like [Danio rerio] gi|326680865 30821.8 9.88 10 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
915.3811	915.4689	0.0878	96	12	19 FTCTQCGR				Mascot
950.5101	950.4712	-0.0389	-41	170	176 HMRIHTR				Mascot
1045.5459	1045.5375	-0.0084	-8	108	116 SSTLNKHK				Mascot
1153.5959	1153.5287	-0.0672	-58	104	113 SFNRSSLNK				Mascot
1181.6022	1181.564	-0.0382	-32	244	253 SFRQSSSLNR				Mascot
1362.6041	1362.6691	0.065	48	12	23 FTCTQCGRSFR				Mascot
1362.6041	1362.6691	0.065	48	12	23 FTCTQCGRSFR				Mascot
1649.7775	1649.8845	0.107	65	33	47 IHTGEKPFCTQCGK				Mascot
1649.7775	1649.8845	0.107	65	229	243 IHTGEKPFCTQCGK				Mascot
1862.9	1862.745	-0.155	-83	173	187 IHTREKPFCTQCGK		Carbamidomethyl (C)[10,13]		Mascot
2102.9932	2102.8892	-0.104	-49	198	215 HMKIHTGEKPFCTQCGK		Carbamidomethyl (C)[13]		Mascot
2118.988	2118.8967	-0.0913	-43	198	215 HMKIHTGEKPFCTQCGK		Carbamidomethyl (C)[13], Oxidation (M)[2]		Mascot
2118.988	2118.8967	-0.0913	-43	198	215 HMKIHTGEKPFCTQCGK		Carbamidomethyl (C)[13], Oxidation (M)[2]		Mascot
2211.0432	2211.0591	0.0159	7	33	51 IHTGEKPFCTQCGKSFR		Carbamidomethyl (C)[10,13]		Mascot

24 ectonucleotide pyrophosphatase/phosphodiesterase family member 2 [Danio rerio] gi|41054802 97130.8 8.14 15 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
950.4651	950.4712	0.0061	6	802	808 WVEELMK		Oxidation (M)[6]		Mascot
1045.3826	1045.5375	0.1549	148	123	130 GDCCTNYR		Carbamidomethyl (C)[3,4]		Mascot
1079.5983	1079.4886	-0.1097	-102	832	840 TYEILALK				Mascot
1134.5538	1134.5354	-0.0184	-16	392	401 NPNNSKFDAK				Mascot
1181.671	1181.564	-0.107	-91	17	26 LTVCKTYVVR				Mascot
1362.5599	1362.6691	0.1092	80	123	134 GDCCTNYRSLCK				Mascot
1362.5599	1362.6691	0.1092	80	123	134 GDCCTNYRSLCK				Mascot
1475.6583	1475.7234	0.0651	44	647	659 VPTAYSQSCSNYR				Mascot
1649.8944	1649.8845	-0.0099	-6	584	597 NLPYGRPAVMFRTK				Mascot
1649.8944	1649.8845	-0.0099	-6	584	597 NLPYGRPAVMFRTK				Mascot
1759.8319	1759.7922	-0.0397	-23	41	56 SFSDQPFTSLAGSCKK		Carbamidomethyl (C)[14]		Mascot

	1759.8319	1759.7922	-0.0397	-23	41	56	SFSDQPFTSLAGSCKK		Carbamidomethyl (C)[14]	Mascot	
	1762.7999	1762.9688	0.1689	96	57	70	RCFELVEADPPNCR		Carbamidomethyl (C)[2,13]	Mascot	
	2020.0472	2020.0532	0.006	3	262	279	QGVKAGSFFWPVAIPME R			Mascot	
	2103.0918	2102.8892	-0.2026	-96	1	16	MLQLKWVFSVMWLFSSR		Oxidation (M)[1,11]	Mascot	
	2210.999	2211.0591	0.0601	27	346	364	CINIILVGDHGMEEAHCD K		Carbamidomethyl (C)[1,17]	Mascot	
	2233.1545	2233.0356	-0.1189	-53	577	595	QVIDDNKNLPYGRPAVM FR			Mascot	
	2282.9661	2283.1252	0.1591	70	58	76	CFELVEADPPNCRCDNL CK		Carbamidomethyl (C)[1,12]	Mascot	
25	novel protein similar to vertebrate uveal autoantigen with coiled-coil domains and ankyrin repeats				gi 157886098		84044.6	5.83	13	37	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5094	842.4896	-0.0198	-24	330	337	LDAALALR					Mascot
915.4893	915.4689	-0.0204	-22	410	418	EAAVAELGR					Mascot
950.4213	950.4712	0.0499	53	11	18	NESTEWGK					Mascot
983.3743	983.4212	0.0469	48	755	761	MREECVC			Carbamidomethyl (C)[5,7]		Mascot
987.5469	987.4866	-0.0603	-61	455	462	EELINTLR					Mascot
1256.6705	1256.6704	-0.0001	0	407	418	GQREAAVAELGR					Mascot
1256.6705	1256.6704	-0.0001	0	407	418	GQREAAVAELGR					Mascot
1649.7435	1649.8845	0.141	85	136	152	VLCDSGASVDAVDADGR					Mascot
1649.7435	1649.8845	0.141	85	136	152	VLCDSGASVDAVDADGR					Mascot
1716.7646	1716.8151	0.0505	29	479	492	EAQTPSEWCSKHEK			Carbamidomethyl (C)[9]		Mascot
1743.8507	1743.797	-0.0537	-31	601	615	VPNTKEEGVQTEEQR					Mascot
1743.8507	1743.797	-0.0537	-31	601	615	VPNTKEEGVQTEEQR					Mascot
2063.0073	2062.9817	-0.0256	-12	132	152	ATIKVLCDSGASVDAVDA DGR					Mascot
2101.9595	2101.8718	-0.0877	-42	493	511	STITETCGDNVDLENYISK					Mascot
2283.1284	2283.1252	-0.0032	-1	539	557	HQCILEENQSLLETQEQ K					Mascot
2304.0615	2304.2371	0.1756	76	206	225	TKADVFMADVHGHDAYH YAR					Mascot

26 PREDICTED: zinc finger protein 135-like, partial [Danio rerio] gi|326667148 47351.9 9.79 12 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
987.4022	987.4866	0.0844	85	181	189	SFTCNQCCK					Mascot

1134.4376	1134.5354	0.0978	86	12	21	SCFTCTQCGK	Carbamidomethyl (C)[2]	Mascot
1169.5442	1169.5322	-0.012	-10	292	301	KPFTCTQCGK	Carbamidomethyl (C)[5]	Mascot
1181.603	1181.564	-0.039	-33	368	376	HMKIHTCVR	Carbamidomethyl (C)[7]	Mascot
1226.5657	1226.5541	-0.0116	-9	292	301	KPFTCTQCGK	Carbamidomethyl (C)[5,8]	Mascot
1248.4806	1248.6549	0.1743	140	12	21	SCFTCTQCGK	Carbamidomethyl (C)[2,5,8]	Mascot
1377.5596	1377.6392	0.0796	58	10	21	DKSCFTCTQCGK	Carbamidomethyl (C)[4]	Mascot
1475.6947	1475.7234	0.0287	19	327	339	CGKSFNQSSYLNK		Mascot
1649.7775	1649.8845	0.107	65	35	49	IHTGEKPFTCTQCGK		Mascot
1649.7775	1649.8845	0.107	65	259	273	IHTGEKPFTCTQCGK		Mascot
1743.7686	1743.797	0.0284	16	371	384	IHTCVREYMCLECK	Oxidation (M)[9]	Mascot
1743.8306	1743.797	-0.0336	-19	312	326	HMNIHTGEKPFTCTK		Mascot
1759.8254	1759.7922	-0.0332	-19	312	326	HMNIHTGEKPFTCTK	Oxidation (M)[2]	Mascot
1759.8254	1759.7922	-0.0332	-19	312	326	HMNIHTGEKPFTCTK	Oxidation (M)[2]	Mascot
1762.8727	1762.9688	0.0961	55	287	301	IHTGKKPFTCTQCGK	Carbamidomethyl (C)[10,13]	Mascot
2102.9932	2102.8892	-0.104	-49	144	161	HMKIHTGEKPFTCTQCGK	Carbamidomethyl (C)[13]	Mascot
2118.988	2118.8967	-0.0913	-43	144	161	HMKIHTGEKPFTCTQCGK	Carbamidomethyl (C)[13], Oxidation (M)[2]	Mascot
2118.988	2118.8967	-0.0913	-43	144	161	HMKIHTGEKPFTCTQCGK	Carbamidomethyl (C)[13], Oxidation (M)[2]	Mascot
2834.3599	2834.2317	-0.1282	-45	259	283	IHTGEKPFTCTQCGKSFS LSSSLYR	Carbamidomethyl (C)[10]	Mascot

27 PREDICTED: zinc finger protein 420 isoform 2 [Danio rerio] gi|326678086 70371 9.08 14 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5206	842.4896	-0.031	-37	25	31	QRQGLLK					Mascot
864.4798	864.4708	-0.009	-10	591	597	HRSVHTK					Mascot
950.3706	950.4712	0.1006	106	36	43	MSDPEPCR			Oxidation (M)[1]		Mascot
987.5621	987.4866	-0.0755	-76	497	505	TFITAGHLK					Mascot
1045.536	1045.5375	0.0015	1	134	141	FHCARNLK			Carbamidomethyl (C)[3]		Mascot
1093.4531	1093.5111	0.058	53	62	70	EDLSEDEEK					Mascot
1248.5712	1248.6549	0.0837	67	36	45	MSDPEPCRIK			Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot
1743.833	1743.797	-0.036	-21	556	571	VSSSLNSHMLTHTGEK			Oxidation (M)[9]		Mascot
1743.9144	1743.797	-0.1174	-67	295	309	CGHCGKTFLRPAVLK			Carbamidomethyl (C)[1,4]		Mascot
1759.9412	1759.7922	-0.149	-85	81	95	IKIDHNFLMETTAVK					Mascot
1759.9412	1759.7922	-0.149	-85	81	95	IKIDHNFLMETTAVK					Mascot
2102.0085	2101.8718	-0.1367	-65	488	505	EFVCFECEKTFITAGHLK					Mascot
2118.9958	2118.8967	-0.0991	-47	538	555	VHTGEKPFACHTCGKSF			Carbamidomethyl (C)[10,13]		Mascot

	2118.9958	2118.8967	-0.0991	-47	538	555	R VHTGEKPFACHTCGKSF R		Carbamidomethyl (C)[10,13]		Mascot
	2211.0798	2211.0591	-0.0207	-9	450	468	IHLRVHTNEKPYSCPECG K				Mascot
	2283.0579	2283.1252	0.0673	29	227	245	HQMIHTGEKPYKCSHCD LR				Mascot
28	PREDICTED: plakophilin-4 [Danio rerio]				gi 189520147		125040	9.07	15	37	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	973.5312	973.4887	-0.0425	-44	901	910	ALAQTGGIDK					Mascot
	983.5632	983.4212	-0.142	-144	559	568	NSGGIPALVR					Mascot
	996.4778	996.5739	0.0961	96	405	413	TTSQCSTLR					Mascot
	1153.6476	1153.5287	-0.1189	-103	807	816	FASYIRAAVR					Mascot
	1165.7416	1165.7173	-0.0243	-21	629	638	LKLHSSLVLR					Mascot
	1383.6473	1383.6533	0.006	4	727	737	QADYSCWGLRK			Carbamidomethyl (C)[6]		Mascot
	1426.7107	1426.6681	-0.0426	-30	1	12	MPTPRQSPVEER					Mascot
	1443.7009	1443.6746	-0.0263	-18	405	416	TTSQCSTLRYQR					Mascot
	1443.7009	1443.6746	-0.0263	-18	405	416	TTSQCSTLRYQR					Mascot
	1649.8098	1649.8845	0.0747	45	830	844	MDNDRVVCVATALR					Mascot
	1649.8098	1649.8845	0.0747	45	830	844	MDNDRVVCVATALR					Mascot
	1846.9625	1846.7467	-0.2158	-117	835	851	VVCSVATALRNMALDAR			Carbamidomethyl (C)[3]		Mascot
	1862.9575	1862.745	-0.2125	-114	835	851	VVCSVATALRNMALDAR			Carbamidomethyl (C)[3], Oxidation (M)[12]		Mascot
	2040.9304	2041.0117	0.0813	40	1010	1026	RTQSSMQLHNYGDANR					Mascot
	2040.9304	2041.0117	0.0813	40	1010	1026	RTQSSMQLHNYGDANR					Mascot
	2055.0435	2054.9158	-0.1277	-62	657	673	QMRCCGLIDSLLYIK			Carbamidomethyl (C)[4]		Mascot
	2280.0562	2280.0908	0.0346	15	92	115	SAESSGAGVSKPSDGCPSPTFGVR					Mascot
	2284.0469	2284.1218	0.0749	33	170	192	SEGRSQSTSSAPSGSPTLAMSSR			Oxidation (M)[20]		Mascot
	2834.2886	2834.2317	-0.0569	-20	414	437	YQRGLFSMGSMATHSDTYRPGHYR			Oxidation (M)[8]		Mascot

29 PREDICTED: single-strand selective monofunctional uracil DNA glycosylase, partial [Danio rerio] gi|326671525 36263.3 8.51 8 36 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	987.5734	987.4866	-0.0868	-88	163	170	NWLKITGR					Mascot
	1277.667	1277.6833	0.0163	13	99	109	LQMLSFGNPVR			Oxidation (M)[3]		Mascot
	1277.667	1277.6833	0.0163	13	99	109	LQMLSFGNPVR			Oxidation (M)[3]		Mascot

	1383.7491	1383.6533	-0.0958	-69	301	313	NPLANKGWASVAR							Mascot
	1426.6123	1426.6681	0.0558	39	245	257	DALLSCCDSALCR				Carbamidomethyl (C)[6]			Mascot
	1443.8604	1443.6746	-0.1858	-129	258	272	VVTALGISMVIGVGK							Mascot
	1443.8604	1443.6746	-0.1858	-129	258	272	VVTALGISMVIGVGK							Mascot
	1759.9272	1759.7922	-0.135	-77	291	306	VEGIMHSPRNPLANK							Mascot
	1759.9272	1759.7922	-0.135	-77	291	306	VEGIMHSPRNPLANK							Mascot
	1862.9714	1862.745	-0.2264	-122	6	21	CLKLSLSDLQQVQMEK							Mascot
	2118.9922	2118.8967	-0.0955	-45	215	232	HCFVHNLCPLIFMSESGK				Carbamidomethyl (C)[2]			Mascot
	2118.9922	2118.8967	-0.0955	-45	215	232	HCFVHNLCPLIFMSESGK				Carbamidomethyl (C)[2]			Mascot

30 PREDICTED: kelch repeat and BTB domain-containing protein 3-like [Danio rerio] gi|125838537 67263.7 5.04 10 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1332.7205	1332.6417	-0.0788	-59	2	12	AVSPQRCVFLR			Carbamidomethyl (C)[7]		Mascot
1361.6155	1361.6444	0.0289	21	556	566	SEWQEVSPMPR			Oxidation (M)[9]		Mascot
1362.7233	1362.6691	-0.0542	-40	213	224	TSLMQQLLACVR					Mascot
1362.7233	1362.6691	-0.0542	-40	213	224	TSLMQQLLACVR					Mascot
1426.642	1426.6681	0.0261	18	287	297	HTFCYEIVSDR			Carbamidomethyl (C)[4]		Mascot
1899.9884	1899.896	-0.0924	-49	191	206	VPDEETVLQALLCWVK			Carbamidomethyl (C)[13]		Mascot
2041.0072	2041.0117	0.0045	2	567	582	ALTEFHCQVLNFSRYR			Carbamidomethyl (C)[7]		Mascot
2041.0072	2041.0117	0.0045	2	567	582	ALTEFHCQVLNFSRYR			Carbamidomethyl (C)[7]		Mascot
2102.927	2102.8892	-0.0378	-18	281	297	TEESMRHTFCYEIVSDR					Mascot
2118.9219	2118.8967	-0.0252	-12	281	297	TEESMRHTFCYEIVSDR			Oxidation (M)[5]		Mascot
2118.9219	2118.8967	-0.0252	-12	281	297	TEESMRHTFCYEIVSDR			Oxidation (M)[5]		Mascot
2280.2168	2280.0908	-0.126	-55	31	49	KLLDFSIIHVQDETLLCH R					Mascot
2304.0544	2304.2371	0.1827	79	50	68	CVLAACSHFFRAMFELD MR			Carbamidomethyl (C)[1]		Mascot
2834.4104	2834.2317	-0.1787	-63	298	322	WTPLPEDAMRILELPGSV MTSFAEK			Oxidation (M)[9]		Mascot

31 Cox5ab protein [Danio rerio] gi|37590361 17063 7.93 6 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
915.5509	915.4689	-0.082	-90	109	116	ILEAVKDK					Mascot
1169.679	1169.5322	-0.1468	-126	1	10	VLQFSLIGHR					Mascot

	1226.5172	1226.5541	0.0369	30	47	56	VETDEEFDSR										Mascot
	1254.7277	1254.6763	-0.0514	-41	29	40	TRAAQTAPLAVR										Mascot
	1743.8959	1743.797	-0.0989	-57	31	46	AAQTAPLAVRCYSHAK					Carbamidomethyl (C)[11]					Mascot
	1743.8959	1743.797	-0.0989	-57	31	46	AAQTAPLAVRCYSHAK					Carbamidomethyl (C)[11]					Mascot
	1915.8126	1915.8911	0.0785	41	41	56	CYSHAKVETDEEFDSR										Mascot
32	monoglyceride lipase [Danio rerio]					gi 41053549	33639.1	6.14	7	35	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4668	850.524	0.0572	67	249	255	LLYNEAK					Mascot
932.4142	932.4484	0.0342	37	1	8	MPEPEGTR			Oxidation (M)[1]		Mascot
1093.6187	1093.5111	-0.1076	-98	161	169	VFMAKVLNR			Oxidation (M)[3]		Mascot
1362.8354	1362.6691	-0.1663	-122	170	182	LAPKLTGPIIDPK					Mascot
1362.8354	1362.6691	-0.1663	-122	170	182	LAPKLTGPIIDPK					Mascot
1426.7471	1426.6681	-0.079	-55	99	110	DSLQHDIMKAR					Mascot
2119.043	2118.8967	-0.1463	-69	229	245	WPFYILHGDADKLCDIR			Carbamidomethyl (C)[14]		Mascot
2119.043	2118.8967	-0.1463	-69	229	245	WPFYILHGDADKLCDIR	3	0	Carbamidomethyl (C)[14]		Mascot
2834.4722	2834.2317	-0.2405	-85	261	284	LKVYEEAYHALHDLPET IESVLK					Mascot

33 PREDICTED: cadherin-like protein 26-like [Danio rerio] gi|326678922 80539.3 5.09 11 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5094	842.4896	-0.0198	-24	527	534	GLLPLSSR					Mascot
915.5509	915.4689	-0.082	-90	166	173	VLIEAKDK					Mascot
950.4472	950.4712	0.024	25	618	625	RSENGTMR					Mascot
987.4166	987.4866	0.07	71	241	248	GNEEGYYR					Mascot
1153.4911	1153.5287	0.0376	33	432	441	TVMCANNMNR					Mascot
1169.4861	1169.5322	0.0461	39	432	441	TVMCANNMNR			Oxidation (M)[3]		Mascot
1226.5074	1226.5541	0.0467	38	432	441	TVMCANNMNR			Carbamidomethyl (C)[4], Oxidation (M)[3]		Mascot
1256.6885	1256.6704	-0.0181	-14	311	321	VIDLNDPPVFK					Mascot
1256.6885	1256.6704	-0.0181	-14	311	321	VIDLNDPPVFK					Mascot
1377.6144	1377.6392	0.0248	18	149	160	QLAFSGCFDFDK					Mascot
1649.9585	1649.8845	-0.074	-45	295	310	TSAPPPKPQTTKVAVK					Mascot
1649.9585	1649.8845	-0.074	-45	295	310	TSAPPPKPQTTKVAVK					Mascot
1716.9279	1716.8151	-0.1128	-66	225	240	DTPNTPASRAVFSILK					Mascot

	1743.8911	1743.797	-0.0941	-54	330	345	NENGKPGDVLFTPDIK									Mascot
	1743.8911	1743.797	-0.0941	-54	330	345	NENGKPGDVLFTPDIK									Mascot
	1763.0975	1762.9688	-0.1287	-73	535	552	LGPAAIGLMIAGLLLLAR									Mascot
34	zinc finger protein 502-like [Danio rerio]				gi 162138984		34465.2	9.71	10	35	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4904	882.5457	0.0553	63	80	86	SLRNHQK					Mascot
1060.5422	1060.5389	-0.0033	-3	171	179	THTGEKPYK					Mascot
1377.7195	1377.6392	-0.0803	-58	102	113	TFCTAESLKIHK					Mascot
1426.7372	1426.6681	-0.0691	-48	131	142	FSQLAHMKTHAR					Mascot
1649.7775	1649.8845	0.107	65	3	17	IHTGEKPFTCTQCGK					Mascot
1649.7775	1649.8845	0.107	65	3	17	IHTGEKPFTCTQCGK					Mascot
1762.8615	1762.9688	0.1073	61	115	129	IHTGEKPYICSLCNK			Carbamidomethyl (C)[10]		Mascot
1862.9	1862.745	-0.155	-83	2	17	RIHTGEKPFTCTQCGK			Carbamidomethyl (C)[11]		Mascot
1899.8727	1899.896	0.0233	12	143	157	IHTGEKPYKCSYCEK			Carbamidomethyl (C)[10,13]		Mascot
1993.9404	1993.9285	-0.0119	-6	1	17	MRIHTGEKPFTCTQCGK			Carbamidomethyl (C)[12]		Mascot
2119.0713	2118.8967	-0.1746	-82	21	39	ASSTLNNHMLIHTGEKTH K					Mascot
2119.0713	2118.8967	-0.1746	-82	21	39	ASSTLNNHMLIHTGEKTH K					Mascot

35	novel protein similar to inositol polyphosphate-4-phosphatase, type I (inpp4a) [Danio rerio]				gi 169158824		105398.8	6.58	14	35	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5524	1045.5375	-0.0149	-14	258	266	LLLEEDSAR					Mascot
1169.6538	1169.5322	-0.1216	-104	801	810	FLGQNVHARK					Mascot
1181.6095	1181.564	-0.0455	-39	827	836	LNGVRFTSCK			Carbamidomethyl (C)[9]		Mascot
1248.6597	1248.6549	-0.0048	-4	4	12	RERPWSVYR					Mascot
1254.7164	1254.6763	-0.0401	-32	144	154	LNIPLRSAENK					Mascot
1743.8959	1743.797	-0.0989	-57	813	826	NVDILWQAAEICRR			Carbamidomethyl (C)[12]		Mascot
1743.8959	1743.797	-0.0989	-57	813	826	NVDILWQAAEICRR			Carbamidomethyl (C)[12]		Mascot
1759.9159	1759.7922	-0.1237	-70	519	533	VWGNVDKSLECIQR					Mascot
1759.9159	1759.7922	-0.1237	-70	519	533	VWGNVDKSLECIQR					Mascot
1900.0386	1899.896	-0.1426	-75	187	204	TVLPVDESLETESGVRAK					Mascot
2041.0861	2041.0117	-0.0744	-36	615	632	DVVFQCQTLTALICGFIK			Carbamidomethyl (C)[5]		Mascot

	2041.0861	2041.0117	-0.0744	-36	615	632	DVVFCQTLTALICGFIK		Carbamidomethyl (C)[5]	Mascot	
	2086.1655	2085.8743	-0.2912	-140	456	475	LLASAVQALNAARPEYIA SK			Mascot	
	2102.0852	2101.8718	-0.2134	-102	706	724	DGFNVRIPLPGSMFDALP R			Mascot	
	2103.0063	2102.8892	-0.1171	-56	267	284	VSELEELGELSPCWENL R			Mascot	
	2284.0146	2284.1218	0.1072	47	543	563	LHSSSSEDMFQSDQQG GTSKK			Mascot	
	2834.3884	2834.2317	-0.1567	-55	591	614	SMVFLLMQDSAPTAMDL SLQYRR		Oxidation (M)[2,7,16]	Mascot	
36	LOC100006972 protein [Danio rerio]				gi 158253437		64992.4	5.83	10	35	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	850.5032	850.524	0.0208	24	368	374	IKLSDFK					Mascot
	932.4472	932.4484	0.0012	1	438	445	TPHFSTDK					Mascot
	1060.5422	1060.5389	-0.0033	-3	438	446	TPHFSTDKK					Mascot
	1079.5402	1079.4886	-0.0516	-48	475	484	CGTEITATVK			Carbamidomethyl (C)[1]		Mascot
	1248.6332	1248.6549	0.0217	17	178	188	IGQWTNVSSSTR					Mascot
	1254.63	1254.6763	0.0463	37	216	225	MSSHYFQVKK					Mascot
	1277.71	1277.6833	-0.0267	-21	106	116	IKVELQGESFK					Mascot
	1277.71	1277.6833	-0.0267	-21	106	116	IKVELQGESFK					Mascot
	1362.6899	1362.6691	-0.0208	-15	337	348	SESVHLTYEIGK					Mascot
	1362.6899	1362.6691	-0.0208	-15	337	348	SESVHLTYEIGK					Mascot
	1383.7842	1383.6533	-0.1309	-95	95	107	APLAEAESVQKIK					Mascot
	2020.0354	2020.0532	0.0178	9	294	312	TGCAIHNFGLSMLLNSTL K					Mascot

37	rab-like protein 2B [Danio rerio]				gi 113678774		25299.4	5.23	7	35	0
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	983.4316	983.4212	-0.0104	-11	14	21	YDSDEQVK					Mascot
	1165.5095	1165.5551	0.0456	39	83	91	SMHPSYYHK			Oxidation (M)[2]		Mascot
	1169.6313	1169.5322	-0.0991	-85	139	148	VTQKSFNFAK					Mascot
	1362.53	1362.6691	0.1391	102	182	192	NSSDFMDEVMR			Oxidation (M)[6,10]		Mascot
	1362.53	1362.6691	0.1391	102	182	192	NSSDFMDEVMR			Oxidation (M)[6,10]		Mascot
	2041.0752	2041.0117	-0.0635	-31	149	167	KQGLPFYFVSAADGTNV VK					Mascot
	2041.0752	2041.0117	-0.0635	-31	149	167	KQGLPFYFVSAADGTNV VK					Mascot

	2086.1113	2085.8743	-0.237	-114	116	132	ELREYRPEIPCLVVANK						Carbamidomethyl (C)[11]	Mascot
	2304.1726	2304.2371	0.0645	28	119	138	EYRPEIPCLVVANKIDAD MK							Mascot
38	PREDICTED: uncharacterized protein C20orf117-like [Danio rerio]					gi 292627122	156910.7	6.37	17	35	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
864.4131	864.4708	0.0577	67	1280	1286	TNIEMEK						Mascot
882.4203	882.5457	0.1254	142	240	246	SENEYLK						Mascot
915.5145	915.4689	-0.0456	-50	355	362	LQDLEVAK						Mascot
983.4172	983.4212	0.004	4	388	395	EESALMCK				Carbamidomethyl (C)[7], Oxidation (M)[6]		Mascot
1079.5779	1079.4886	-0.0893	-83	284	291	ACRILQYR				Carbamidomethyl (C)[2]		Mascot
1134.579	1134.5354	-0.0436	-38	680	689	NIFNVGEDVK						Mascot
1181.6313	1181.564	-0.0673	-57	992	1001	IYYSPPSAKR						Mascot
1226.4777	1226.5541	0.0764	62	1361	1372	GLEEGACDCSSR						Mascot
1254.6549	1254.6763	0.0214	17	981	991	SHTAPERTSIR						Mascot
1256.6957	1256.6704	-0.0253	-20	458	467	RIVELEVENR						Mascot
1256.6957	1256.6704	-0.0253	-20	458	467	RIVELEVENR	10		0			Mascot
1361.7644	1361.6444	-0.12	-88	927	938	MVLKTAMTKPNK						Mascot
1377.7593	1377.6392	-0.1201	-87	927	938	MVLKTAMTKPNK				Oxidation (M)[1]		Mascot
1426.8011	1426.6681	-0.133	-93	459	470	IVELEVENRGLR						Mascot
1432.7794	1432.7126	-0.0668	-47	680	692	NIFNVGEDVKAVK						Mascot
1432.7794	1432.7126	-0.0668	-47	680	692	NIFNVGEDVKAVK						Mascot
1846.948	1846.7467	-0.2013	-109	812	827	ASWAVECAELKSLINR				Carbamidomethyl (C)[7]		Mascot
1862.8701	1862.745	-0.1251	-67	372	387	SQDDSDLKCKQLHFAK				Carbamidomethyl (C)[10]		Mascot
1915.8743	1915.8911	0.0168	9	261	275	DLYMEDDVYQLQLR						Mascot
2062.957	2062.9817	0.0247	12	1333	1349	QNQKEEAVCQSQTQTQ R				Carbamidomethyl (C)[9]		Mascot

39	Zgc:153569 protein [Danio rerio]					gi 171846383	59551.2	7.18	12	34	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4669	850.524	0.0571	67	326	332	LIAQDYK						Mascot
983.4688	983.4212	-0.0476	-48	198	205	LICGFMDK				Carbamidomethyl (C)[3]		Mascot
1093.4579	1093.5111	0.0532	49	154	162	ECADEERGK				Carbamidomethyl (C)[2]		Mascot
1256.6715	1256.6704	-0.0011	-1	427	436	TLHCLMRVAR				Carbamidomethyl (C)[4]		Mascot

1256.6715	1256.6704	-0.0011	-1	427	436	TLHCLMRVAR	Carbamidomethyl (C)[4]	Mascot
1308.6113	1308.6278	0.0165	13	412	423	GEIEAHCSGLHR		Mascot
1743.7789	1743.797	0.0181	10	380	394	TVSGDCQAEMLDYRR		Mascot
1743.7789	1743.797	0.0181	10	380	394	TVSGDCQAEMLDYRR		Mascot
1759.7738	1759.7922	0.0184	10	380	394	TVSGDCQAEMLDYRR	3 0 Oxidation (M)[10]	Mascot
1759.7738	1759.7922	0.0184	10	380	394	TVSGDCQAEMLDYRR	Oxidation (M)[10]	Mascot
1899.9442	1899.896	-0.0482	-25	137	153	FESVALEVCTSTMLELK		Mascot
1915.9391	1915.8911	-0.048	-25	137	153	FESVALEVCTSTMLELK	Oxidation (M)[13]	Mascot
1993.9583	1993.9285	-0.0298	-15	163	179	GYLMSCLVDHRANITER	Oxidation (M)[4]	Mascot
2019.9701	2020.0532	0.0831	41	395	411	MLMEDFSLSPEIVLHCR		Mascot
2086.0386	2085.8743	-0.1643	-79	95	111	HTWTNNLSVLECLQDKK	Carbamidomethyl (C)[12]	Mascot
2233.0925	2233.0356	-0.0569	-25	394	411	RMLMEDFSLSPEIVLHCR	Carbamidomethyl (C)[17]	Mascot
2280.1265	2280.0908	-0.0357	-16	506	523	MVQDCEHRLLELQYFISR		Mascot

40 type I inositol-3,4-bisphosphate 4-phosphatase [Danio rerio] gi|190570270 103792.5 6.86 14 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5524	1045.5375	-0.0149	-14	258	266	LLLEEDSAR					Mascot
1169.6538	1169.5322	-0.1216	-104	801	810	FLGQNVHARK					Mascot
1181.6095	1181.564	-0.0455	-39	827	836	LNGVRFTSCK			Carbamidomethyl (C)[9]		Mascot
1248.6597	1248.6549	-0.0048	-4	4	12	RERPWSVYR					Mascot
1254.7164	1254.6763	-0.0401	-32	144	154	LNIPLRSAENK					Mascot
1743.8959	1743.797	-0.0989	-57	813	826	NVDILWQAAEICRR			Carbamidomethyl (C)[12]		Mascot
1743.8959	1743.797	-0.0989	-57	813	826	NVDILWQAAEICRR			Carbamidomethyl (C)[12]		Mascot
1759.9159	1759.7922	-0.1237	-70	519	533	VWGNVDKSLECIQR					Mascot
1759.9159	1759.7922	-0.1237	-70	519	533	VWGNVDKSLECIQR					Mascot
1900.0386	1899.896	-0.1426	-75	187	204	TVLPVDESLTESVGVRK					Mascot
2041.0861	2041.0117	-0.0744	-36	615	632	DVVFQQLTALICGFIK			Carbamidomethyl (C)[5]		Mascot
2041.0861	2041.0117	-0.0744	-36	615	632	DVVFQQLTALICGFIK			Carbamidomethyl (C)[5]		Mascot
2086.1655	2085.8743	-0.2912	-140	456	475	LLASAVQALNAARPEYIA SK					Mascot
2102.0852	2101.8718	-0.2134	-102	706	724	DGFNVRIPGPSMFDALP R					Mascot
2103.0063	2102.8892	-0.1171	-56	267	284	VSELEELGELSPCWENL R					Mascot
2284.0146	2284.1218	0.1072	47	543	563	LHSSSEDMFQSDQQG GTSKK					Mascot
2834.3884	2834.2317	-0.1567	-55	591	614	SMVFLLMQDSAPTAMDL SLQYRR			Oxidation (M)[2,7,16]		Mascot

41 hypothetical protein LOC562838 [Danio rerio] gi|89886305 21428.2 8.77 6 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
950.4941	950.4712	-0.0229	-24	167	174	TVFDEAIR					Mascot
1051.6333	1051.6881	0.0548	52	175	184	AVLCPPPVKK					Mascot
1060.5455	1060.5389	-0.0066	-6	6	16	CVVVG DGAVGK			Carbamidomethyl (C)[1]		Mascot
1248.6947	1248.6549	-0.0398	-32	164	174	GLKTVFDEAIR					Mascot
1443.7987	1443.6746	-0.1241	-86	2	16	QAIKCVVVG DGAVGK					Mascot
1443.7987	1443.6746	-0.1241	-86	2	16	QAIKCVVVG DGAVGK					Mascot
2102.1538	2101.8718	-0.282	-134	103	120	HHCQTTPILVGTKLDLR			Carbamidomethyl (C)[3]		Mascot

42 Si:ch211-20b12.1 [Danio rerio] gi|67678177 55996.8 8.09 5 34 0 31 77.502

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
827.4522	827.4138	-0.0384	-46	393	399	SPIAFHR					Mascot
973.5254	973.4887	-0.0367	-38	220	226	HYIHLYK					Mascot
983.5533	983.4212	-0.1321	-134	392	399	RSPIAFHR					Mascot
1093.6	1093.5111	-0.0889	-81	358	367	QYITTALGAR					Mascot
1277.6307	1277.6833	0.0526	41	436	445	CHDIIISTYR			Carbamidomethyl (C)[1]		Mascot
1277.6307	1277.6833	0.0526	41	436	445	CHDIIISTYR	31	77.502	Carbamidomethyl (C)[1]		Mascot

43 PREDICTED: hypothetical protein LOC568208 [Danio rerio] gi|326675483 189350.8 7.33 17 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
827.5097	827.4138	-0.0959	-116	1522	1528	GLIQQLR					Mascot
864.396	864.4708	0.0748	87	1060	1065	FFYEMK					Mascot
932.5239	932.4484	-0.0755	-81	1283	1289	FYLKAYK					Mascot
950.4941	950.4712	-0.0229	-24	846	853	TFTIDPTR					Mascot
987.5734	987.4866	-0.0868	-88	1271	1278	SLRAHLYK					Mascot
1051.6146	1051.6881	0.0735	70	1143	1152	KALSFLGSTK					Mascot
1079.603	1079.4886	-0.1144	-106	934	942	EIMPHLALR					Mascot
1432.7253	1432.7126	-0.0127	-9	1406	1417	LDPFLQDCLVGR			Carbamidomethyl (C)[8]		Mascot
1432.7253	1432.7126	-0.0127	-9	1406	1417	LDPFLQDCLVGR			Carbamidomethyl (C)[8]		Mascot

	1743.8809	1743.797	-0.0839	-48	388	402	FICAPSVMKDTLFSK	Carbamidomethyl (C)[3]	Mascot	
	1743.8809	1743.797	-0.0839	-48	388	402	FICAPSVMKDTLFSK	Carbamidomethyl (C)[3]	Mascot	
	1759.8656	1759.7922	-0.0734	-42	1624	1638	ANLHCSLRQFQSAER		Mascot	
	1759.8757	1759.7922	-0.0835	-47	388	402	FICAPSVMKDTLFSK	Carbamidomethyl (C)[3], Oxidation (M)[8]	Mascot	
	1762.8831	1762.9688	0.0857	49	706	721	LTQALTEGGNRNAFDR		Mascot	
	1846.8536	1846.7467	-0.1069	-58	1066	1081	CFDLAALCIQYAAEMK	Carbamidomethyl (C)[1]	Mascot	
	1862.8485	1862.745	-0.1035	-56	1066	1081	CFDLAALCIQYAAEMK	Carbamidomethyl (C)[1], Oxidation (M)[15]	Mascot	
	2020.0684	2020.0532	-0.0152	-8	1043	1059	AIHLKPDAYDLYIMRGK	Oxidation (M)[14]	Mascot	
	2041.0488	2041.0117	-0.0371	-18	1350	1367	GLLYVELNDYSSALQDLK		Mascot	
	2041.0488	2041.0117	-0.0371	-18	1350	1367	GLLYVELNDYSSALQDLK		Mascot	
	2102.9343	2102.8892	-0.0451	-21	1662	1679	GCLGWMEEEAMEDYRTA LK		Mascot	
	2118.9292	2118.8967	-0.0325	-15	1662	1679	GCLGWMEEEAMEDYRTA LK	Oxidation (M)[6]	Mascot	
	2119.0464	2118.8967	-0.1497	-71	369	387	AATLCASELRMFWNPAP PK	Oxidation (M)[11]	Mascot	
	2304.2168	2304.2371	0.0203	9	1039	1057	DLTRAIHLKPDAYDLYIMR		Mascot	
44	zinc finger protein 238 [Danio rerio]				gi 130495945	59169.8	5.8	10	34	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1093.5057	1093.5111	0.0054	5	433	441	TFSCMYTLK					Mascot
1179.6844	1179.5734	-0.111	-94	320	330	LGLEAHLALR					Mascot
1226.631	1226.5541	-0.0769	-63	9	18	HLLQCLSEQR					Mascot
1256.506	1256.6704	0.1644	131	130	140	REEDTSSCS DK					Mascot
1256.506	1256.6704	0.1644	131	130	140	REEDTSSCS DK					Mascot
1377.6604	1377.6392	-0.0212	-15	208	222	SPAGSPSSSTGSLSR					Mascot
1432.7253	1432.7126	-0.0127	-9	503	514	FHCELVNSLSVK			Carbamidomethyl (C)[3]		Mascot
1432.7253	1432.7126	-0.0127	-9	503	514	FHCELVNSLSVK			Carbamidomethyl (C)[3]		Mascot
1443.662	1443.6746	0.0126	9	478	488	EKPHACKWCER			Carbamidomethyl (C)[6]		Mascot
1443.662	1443.6746	0.0126	9	478	488	EKPHACKWCER			Carbamidomethyl (C)[6]		Mascot
1716.8407	1716.8151	-0.0256	-15	416	432	AKPAGDVNPTCSICGK			Carbamidomethyl (C)[12]		Mascot
1862.9832	1862.745	-0.2382	-128	303	319	EPPSTNGTHLSLVAQRR					Mascot
2283.0757	2283.1252	0.0495	22	1	18	MEFPDHSRHLQLCSE QR			Carbamidomethyl (C)[13]		Mascot

45	PREDICTED: insulin receptor substrate 1-B-like [Danio rerio]				gi 326674337	118937.4	8.49	1	24	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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				Seq.	Seq.		Score					
		1743.9421	1743.797	-0.1451	-83	179	194	LNSDAAAVVLQLMNIR	24	0	Oxidation (M)[13]	3 Mascot
46	PREDICTED: neurabin-1-like [Danio rerio]					gi 326670455	143069.6	4.9	1	19	0	
	Peptide Information											
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
		1362.614	1362.6691	0.0551	40	371	383	EQCLDPAGAGMVR	19	0	Oxidation (M)[11]	2 Mascot
47	cell adhesion molecule 1a isoform 2 [Danio rerio]					gi 158538876	48182.2	4.82	1	18	0	
	Peptide Information											
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
		1362.6859	1362.6691	-0.0168	-12	107	119	VLSNVLSLDEGR	18	0		3 Mascot
48	PREDICTED: transient receptor potential cation channel subfamily M member 4-like [Danio rerio]					gi 326666046	137203.1	6.89	1	16	0	
	Peptide Information											
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
		1432.7828	1432.7126	-0.0702	-49	1141	1152	VDSVLKQMVEIR	16	0	Oxidation (M)[8]	3 Mascot
49	calcium-binding protein 1 [Danio rerio]					gi 50539888	19114.3	4.69	1	15	0	
	Peptide Information											
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
		1432.6737	1432.7126	0.0389	27	18	28	ELRPEEMDELRL	15	0	Oxidation (M)[7]	4 Mascot
50	PREDICTED: PH and SEC7 domain-containing protein 4-like [Danio rerio]					gi 326668322	90694.7	4.54	1	14	0	
	Peptide Information											
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
		1743.833	1743.797	-0.036	-21	504	518	SLMPETDREQDGPLR	14	0		4 Mascot
		1759.828	1759.7922	-0.0358	-20	504	518	SLMPETDREQDGPLR	12	0	Oxidation (M)[3]	3 Mascot

Gel Idx/Pos	208/I8	Instr./Gel Origin	BA2060/110707A				Process Status	Analysis Succeeded	
Plate [#] Name	[1] 31496	Instrument Sample Name					Spectra	11	

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Type I cytokeratin, enveloping layer [Danio rerio]	gi 41388915	46524.6	5.13	25	667	100	430	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3995	807.3759	-0.0236	-29	161	167	LAADDFR					Mascot
961.5312	961.5016	-0.0296	-31	295	302	SEITEVKR					Mascot
1062.4998	1062.4702	-0.0296	-28	83	91	ATMQNLNDR					Mascot
1077.5609	1077.5311	-0.0298	-28	190	198	VLDELTMTTR					Mascot
1078.4946	1078.4645	-0.0301	-28	83	91	ATMQNLNDR			Oxidation (M)[3]		Mascot
1093.5558	1093.5104	-0.0454	-42	190	198	VLDELTMTTR			Oxidation (M)[7]		Mascot
1123.5419	1123.5077	-0.0342	-30	267	275	DLESWFQAK	64	99.989			Mascot
1123.5419	1123.5077	-0.0342	-30	267	275	DLESWFQAK					Mascot
1153.5558	1153.5214	-0.0344	-30	374	382	LEMEIAEYR					Mascot
1169.5507	1169.5792	0.0285	24	374	382	LEMEIAEYR			Oxidation (M)[3]		Mascot
1169.5507	1169.5792	0.0285	24	374	382	LEMEIAEYR	7	0	Oxidation (M)[3]		Mascot
1181.5909	1181.5582	-0.0327	-28	218	227	NHEEELLAAR					Mascot
1186.6426	1186.6079	-0.0347	-29	178	188	QSVEADIVGLR	86	100			Mascot
1186.6426	1186.6079	-0.0347	-29	178	188	QSVEADIVGLR					Mascot
1221.6508	1221.6132	-0.0376	-31	189	198	KVLDELTMTTR			Oxidation (M)[8]		Mascot
1268.6304	1268.5938	-0.0366	-29	168	177	VKYENELSMR					Mascot
1284.6252	1284.592	-0.0332	-26	168	177	VKYENELSMR			Oxidation (M)[9]		Mascot
1309.6569	1309.6371	-0.0198	-15	374	383	LEMEIAEYRR					Mascot
1314.7375	1314.7013	-0.0362	-28	178	189	QSVEADIVGLRK					Mascot
1325.6517	1325.6156	-0.0361	-27	374	383	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1332.6754	1332.6376	-0.0378	-28	319	331	ASLEGLADTQAR					Mascot
1410.7046	1410.6642	-0.0404	-29	372	382	TRLEMEIAEYR	48	99.577			Mascot
1410.7046	1410.6642	-0.0404	-29	372	382	TRLEMEIAEYR					Mascot
1414.8151	1414.7742	-0.0409	-29	401	413	KVVTIVEEVVDGK					Mascot
1420.7278	1420.6896	-0.0382	-27	282	294	EVAVSTETLQTSR					Mascot
1426.6995	1426.6582	-0.0413	-29	372	382	TRLEMEIAEYR			Oxidation (M)[5]		Mascot
1426.6995	1426.6582	-0.0413	-29	372	382	TRLEMEIAEYR	27	50.838	Oxidation (M)[5]		Mascot

		1465.7356	1465.6823	-0.0533	-36	360	371	QGQEYQMLLDIK						Mascot
		1481.7305	1481.6874	-0.0431	-29	360	371	QGQEYQMLLDIK			Oxidation (M)[7]			Mascot
		1708.8064	1708.7563	-0.0501	-29	127	141	DYSAYYATISDLQAK	118	100				Mascot
		1708.8064	1708.7563	-0.0501	-29	127	141	DYSAYYATISDLQAK						Mascot
		1725.8501	1725.8	-0.0501	-29	384	400	LLDGEATTVSTSSSTR						Mascot
		1847.9783	1847.9242	-0.0541	-29	303	318	TLQSLEIELQSLSMK						Mascot
		1863.9731	1863.9189	-0.0542	-29	303	318	TLQSLEIELQSLSMK			Oxidation (M)[15]			Mascot
		1956.0548	1955.996	-0.0588	-30	142	160	ILHATGVNGGIYLSIDNAK						Mascot
		2117.1741	2117.115	-0.0591	-28	199	216	SDLELQIEGLKEELIFLK	114	100				Mascot
		2117.1741	2117.115	-0.0591	-28	199	216	SDLELQIEGLKEELIFLK						Mascot
		2225.0867	2225.0564	-0.0303	-14	170	188	YENELSMRQSVEADIVGL R			Oxidation (M)[7]			Mascot
		2260.0762	2260.0181	-0.0581	-26	228	248	TQMSGQVNVEVDAAPQE DLTK						Mascot
		2276.071	2276.0137	-0.0573	-25	228	248	TQMSGQVNVEVDAAPQE DLTK			Oxidation (M)[3]			Mascot
		2774.3818	2774.303	-0.0788	-28	332	354	YTNNMLNGYQFQVSLEE QLIQLR						Mascot
		2790.3767	2790.3132	-0.0635	-23	332	354	YTNNMLNGYQFQVSLEE QLIQLR			Oxidation (M)[4]			Mascot
2	type I cytokeratin, enveloping layer [Danio rerio]					gi 18858519		46655.7	5.13	25	666	100	430	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
807.3995	807.3759	-0.0236	-29	162	168 LAADDFR				Mascot
961.5312	961.5016	-0.0296	-31	296	303 SEITEVKR				Mascot
1062.4998	1062.4702	-0.0296	-28	84	92 ATMQNLNDR				Mascot
1077.5609	1077.5311	-0.0298	-28	191	199 VLDELTMTTR				Mascot
1078.4946	1078.4645	-0.0301	-28	84	92 ATMQNLNDR		Oxidation (M)[3]		Mascot
1093.5558	1093.5104	-0.0454	-42	191	199 VLDELTMTTR		Oxidation (M)[7]		Mascot
1123.5419	1123.5077	-0.0342	-30	268	276 DLESWFQAK	64	99.989		Mascot
1123.5419	1123.5077	-0.0342	-30	268	276 DLESWFQAK				Mascot
1153.5558	1153.5214	-0.0344	-30	375	383 LEMEIAEYR				Mascot
1169.5507	1169.5792	0.0285	24	375	383 LEMEIAEYR		Oxidation (M)[3]		Mascot
1169.5507	1169.5792	0.0285	24	375	383 LEMEIAEYR	7	0	Oxidation (M)[3]	Mascot
1181.5909	1181.5582	-0.0327	-28	219	228 NHEEELLAAR				Mascot
1186.6426	1186.6079	-0.0347	-29	179	189 QSVEADIVGLR	86	100		Mascot
1186.6426	1186.6079	-0.0347	-29	179	189 QSVEADIVGLR				Mascot
1221.6508	1221.6132	-0.0376	-31	190	199 KVLDELTMTTR		Oxidation (M)[8]		Mascot
1268.6304	1268.5938	-0.0366	-29	169	178 VKYENELSMR				Mascot

	1284.6252	1284.592	-0.0332	-26	169	178 VKYENELSMR			Oxidation (M)[9]	Mascot		
	1309.6569	1309.6371	-0.0198	-15	375	384 LEMEIAEYRR				Mascot		
	1314.7375	1314.7013	-0.0362	-28	179	190 QSVEADIVGLRK				Mascot		
	1325.6517	1325.6156	-0.0361	-27	375	384 LEMEIAEYRR			Oxidation (M)[3]	Mascot		
	1332.6754	1332.6376	-0.0378	-28	320	332 ASLEGTLDLTQAR				Mascot		
	1410.7046	1410.6642	-0.0404	-29	373	383 TRLEMEIAEYR	48	99.577		Mascot		
	1410.7046	1410.6642	-0.0404	-29	373	383 TRLEMEIAEYR				Mascot		
	1414.8151	1414.7742	-0.0409	-29	402	414 KVVTVIEEVVDGK				Mascot		
	1420.7278	1420.6896	-0.0382	-27	283	295 EVAVSTETLQTSR				Mascot		
	1426.6995	1426.6582	-0.0413	-29	373	383 TRLEMEIAEYR			Oxidation (M)[5]	Mascot		
	1426.6995	1426.6582	-0.0413	-29	373	383 TRLEMEIAEYR	27	50.838	Oxidation (M)[5]	Mascot		
	1465.7356	1465.6823	-0.0533	-36	361	372 QGQEYQMLLDIK				Mascot		
	1481.7305	1481.6874	-0.0431	-29	361	372 QGQEYQMLLDIK			Oxidation (M)[7]	Mascot		
	1708.8064	1708.7563	-0.0501	-29	128	142 DYSAYYATISDLQAK	118	100		Mascot		
	1708.8064	1708.7563	-0.0501	-29	128	142 DYSAYYATISDLQAK				Mascot		
	1725.8501	1725.8	-0.0501	-29	385	401 LLDGEATTVSTSSTTR				Mascot		
	1847.9783	1847.9242	-0.0541	-29	304	319 TLQSLEIELQSQLSMK				Mascot		
	1863.9731	1863.9189	-0.0542	-29	304	319 TLQSLEIELQSQLSMK			Oxidation (M)[15]	Mascot		
	1956.0548	1955.996	-0.0588	-30	143	161 ILHATGVNGGIYLSIDNAK				Mascot		
	2117.1741	2117.115	-0.0591	-28	200	217 SDLELQIEGLKEELIFLK	114	100		Mascot		
	2117.1741	2117.115	-0.0591	-28	200	217 SDLELQIEGLKEELIFLK				Mascot		
	2225.0867	2225.0564	-0.0303	-14	171	189 YENELSMRQSVEADIVGL R			Oxidation (M)[7]	Mascot		
	2260.0762	2260.0181	-0.0581	-26	229	249 TQMSGQVNVEVDAAPQE DLTK				Mascot		
	2276.071	2276.0137	-0.0573	-25	229	249 TQMSGQVNVEVDAAPQE DLTK			Oxidation (M)[3]	Mascot		
	2774.3818	2774.303	-0.0788	-28	333	355 YTNMLNGYQFQVSSLEE QLIQLR				Mascot		
	2790.3767	2790.3132	-0.0635	-23	333	355 YTNMLNGYQFQVSSLEE QLIQLR			Oxidation (M)[4]	Mascot		
3	type I cytokeratin, enveloping layer [Danio rerio]				gj 94732411	40437.7	5.15	24	666	100	430	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3995	807.3759	-0.0236	-29	100	106	LAADDFR					Mascot
961.5312	961.5016	-0.0296	-31	234	241	SEITEVKR					Mascot
1077.5609	1077.5311	-0.0298	-28	129	137	VLDELTMTTR					Mascot
1093.5558	1093.5104	-0.0454	-42	129	137	VLDELTMTTR			Oxidation (M)[7]		Mascot

1123.5419	1123.5077	-0.0342	-30	206	214	DLESWFQAK	64	99.989	Mascot
1123.5419	1123.5077	-0.0342	-30	206	214	DLESWFQAK			Mascot
1153.5558	1153.5214	-0.0344	-30	313	321	LEMEIAEYR			Mascot
1169.5507	1169.5792	0.0285	24	313	321	LEMEIAEYR		Oxidation (M)[3]	Mascot
1169.5507	1169.5792	0.0285	24	313	321	LEMEIAEYR	7	0	Oxidation (M)[3] Mascot
1181.5909	1181.5582	-0.0327	-28	157	166	NHEEELLAAR			Mascot
1186.6426	1186.6079	-0.0347	-29	117	127	QSVEADIVGLR	86	100	Mascot
1186.6426	1186.6079	-0.0347	-29	117	127	QSVEADIVGLR			Mascot
1221.6508	1221.6132	-0.0376	-31	128	137	KVLDELTMTTR		Oxidation (M)[8]	Mascot
1268.6304	1268.5938	-0.0366	-29	107	116	VKYENELSMR			Mascot
1284.6252	1284.592	-0.0332	-26	107	116	VKYENELSMR		Oxidation (M)[9]	Mascot
1309.6569	1309.6371	-0.0198	-15	313	322	LEMEIAEYRR			Mascot
1314.7375	1314.7013	-0.0362	-28	117	128	QSVEADIVGLRK			Mascot
1325.6517	1325.6156	-0.0361	-27	313	322	LEMEIAEYRR		Oxidation (M)[3]	Mascot
1332.6754	1332.6376	-0.0378	-28	258	270	ASLEGLTADTQAR			Mascot
1410.7046	1410.6642	-0.0404	-29	311	321	TRLEMEIAEYR	48	99.577	Mascot
1410.7046	1410.6642	-0.0404	-29	311	321	TRLEMEIAEYR			Mascot
1414.8151	1414.7742	-0.0409	-29	340	352	KVVTIVEEVVDGK			Mascot
1420.7278	1420.6896	-0.0382	-27	221	233	EVAVSTETLQTSR			Mascot
1426.6995	1426.6582	-0.0413	-29	311	321	TRLEMEIAEYR		Oxidation (M)[5]	Mascot
1426.6995	1426.6582	-0.0413	-29	311	321	TRLEMEIAEYR	27	50.838	Oxidation (M)[5] Mascot
1465.7356	1465.6823	-0.0533	-36	299	310	QGQEYQMLLDIK			Mascot
1481.7305	1481.6874	-0.0431	-29	299	310	QGQEYQMLLDIK		Oxidation (M)[7]	Mascot
1708.8064	1708.7563	-0.0501	-29	66	80	DYSAYYATISDLQAK	118	100	Mascot
1708.8064	1708.7563	-0.0501	-29	66	80	DYSAYYATISDLQAK			Mascot
1725.8501	1725.8	-0.0501	-29	323	339	LLDGEATTVSTSSSTTR			Mascot
1847.9783	1847.9242	-0.0541	-29	242	257	TLQSLEIELQSLSMK			Mascot
1863.9731	1863.9189	-0.0542	-29	242	257	TLQSLEIELQSLSMK		Oxidation (M)[15]	Mascot
1956.0548	1955.996	-0.0588	-30	81	99	ILHATGVNGGIYLSIDNAK			Mascot
2117.1741	2117.115	-0.0591	-28	138	155	SDLELQIEGLKEELIFLK	114	100	Mascot
2117.1741	2117.115	-0.0591	-28	138	155	SDLELQIEGLKEELIFLK			Mascot
2225.0867	2225.0564	-0.0303	-14	109	127	YENELSMRQSVEADIVGLR		Oxidation (M)[7]	Mascot
2260.0762	2260.0181	-0.0581	-26	167	187	TQMSGQVNVVEVDAAPQEDLTk			Mascot
2276.071	2276.0137	-0.0573	-25	167	187	TQMSGQVNVVEVDAAPQEDLTk		Oxidation (M)[3]	Mascot
2774.3818	2774.303	-0.0788	-28	271	293	YTNMLNGYQFQVSSLEEQLIQLR			Mascot
2790.3767	2790.3132	-0.0635	-23	271	293	YTNMLNGYQFQVSSLEE		Oxidation (M)[4]	Mascot

4 type I cytokeratin, enveloping layer, like [Danio rerio] g|130504059 QLIQLR 46617.6 5.13 23 639 100 430 100

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
807.3995	807.3759	-0.0236	-29	162	168 LAADDFR				Mascot
961.5312	961.5016	-0.0296	-31	296	303 SEITEVKR				Mascot
1062.4998	1062.4702	-0.0296	-28	84	92 ATMQNLNDR				Mascot
1077.5609	1077.5311	-0.0298	-28	191	199 VLDELTMTTR				Mascot
1078.4946	1078.4645	-0.0301	-28	84	92 ATMQNLNDR			Oxidation (M)[3]	Mascot
1093.5558	1093.5104	-0.0454	-42	191	199 VLDELTMTTR			Oxidation (M)[7]	Mascot
1123.5419	1123.5077	-0.0342	-30	268	276 DLESWFQAK	64	99.989		Mascot
1123.5419	1123.5077	-0.0342	-30	268	276 DLESWFQAK				Mascot
1153.5558	1153.5214	-0.0344	-30	375	383 LEMEIAEYR				Mascot
1169.5507	1169.5792	0.0285	24	375	383 LEMEIAEYR			Oxidation (M)[3]	Mascot
1169.5507	1169.5792	0.0285	24	375	383 LEMEIAEYR	7	0	Oxidation (M)[3]	Mascot
1181.5909	1181.5582	-0.0327	-28	219	228 NHEEELLAAR				Mascot
1186.6426	1186.6079	-0.0347	-29	179	189 QSVEADIVGLR	86	100		Mascot
1186.6426	1186.6079	-0.0347	-29	179	189 QSVEADIVGLR				Mascot
1221.6508	1221.6132	-0.0376	-31	190	199 KVLDELTMTTR			Oxidation (M)[8]	Mascot
1282.646	1282.6121	-0.0339	-26	169	178 VKYENELTMR				Mascot
1298.6409	1298.6073	-0.0336	-26	169	178 VKYENELTMR			Oxidation (M)[9]	Mascot
1309.6569	1309.6371	-0.0198	-15	375	384 LEMEIAEYRR				Mascot
1314.7375	1314.7013	-0.0362	-28	179	190 QSVEADIVGLRK				Mascot
1325.6517	1325.6156	-0.0361	-27	375	384 LEMEIAEYRR			Oxidation (M)[3]	Mascot
1332.6754	1332.6376	-0.0378	-28	320	332 ASLEGLTADTQAR				Mascot
1410.7046	1410.6642	-0.0404	-29	373	383 TRLEMEIAEYR	48	99.577		Mascot
1410.7046	1410.6642	-0.0404	-29	373	383 TRLEMEIAEYR				Mascot
1414.8151	1414.7742	-0.0409	-29	402	414 KVVTVIEEVVDGK				Mascot
1420.7278	1420.6896	-0.0382	-27	283	295 EVAVSTETLQTSR				Mascot
1426.6995	1426.6582	-0.0413	-29	373	383 TRLEMEIAEYR			Oxidation (M)[5]	Mascot
1426.6995	1426.6582	-0.0413	-29	373	383 TRLEMEIAEYR	27	50.838	Oxidation (M)[5]	Mascot
1465.7356	1465.6823	-0.0533	-36	361	372 QGQEYQMLLDIK				Mascot
1481.7305	1481.6874	-0.0431	-29	361	372 QGQEYQMLLDIK			Oxidation (M)[7]	Mascot
1708.8064	1708.7563	-0.0501	-29	128	142 DYSAYYATISDLQAK	118	100		Mascot
1708.8064	1708.7563	-0.0501	-29	128	142 DYSAYYATISDLQAK				Mascot

	1847.9783	1847.9242	-0.0541	-29	304	319	TLQSLEIELQSQLSMK										Mascot
	1863.9731	1863.9189	-0.0542	-29	304	319	TLQSLEIELQSQLSMK						Oxidation (M)[15]				Mascot
	1956.0548	1955.996	-0.0588	-30	143	161	ILHATGVNGGIYLSIDNAK										Mascot
	2117.1741	2117.115	-0.0591	-28	200	217	SDLELQIEGLKEELIFLK		114		100						Mascot
	2117.1741	2117.115	-0.0591	-28	200	217	SDLELQIEGLKEELIFLK										Mascot
	2260.0762	2260.0181	-0.0581	-26	229	249	TQMSGQVNVEVDAAPQE DLTK						Oxidation (M)[3]				Mascot
	2276.071	2276.0137	-0.0573	-25	229	249	TQMSGQVNVEVDAAPQE DLTK										Mascot
	2774.3818	2774.303	-0.0788	-28	333	355	YTNMLNGYQFQVSSLEE QLIQLR										Mascot
	2790.3767	2790.3132	-0.0635	-23	333	355	YTNMLNGYQFQVSSLEE QLIQLR						Oxidation (M)[4]				Mascot
5	hypothetical protein LOC100034647 [Danio rerio]				gi 131888757		46317.3	5.36	12	240	100	166	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1062.4998	1062.4702	-0.0296	-28	75	83	ATMQNLNDR					Mascot
1077.5609	1077.5311	-0.0298	-28	182	190	VLDELTMTTR					Mascot
1078.4946	1078.4645	-0.0301	-28	75	83	ATMQNLNDR			Oxidation (M)[3]		Mascot
1093.5558	1093.5104	-0.0454	-42	182	190	VLDELTMTTR			Oxidation (M)[7]		Mascot
1153.5558	1153.5214	-0.0344	-30	366	374	LEMEIAEYR					Mascot
1169.5507	1169.5792	0.0285	24	366	374	LEMEIAEYR			Oxidation (M)[3]		Mascot
1169.5507	1169.5792	0.0285	24	366	374	LEMEIAEYR	7	0	Oxidation (M)[3]		Mascot
1181.5909	1181.5582	-0.0327	-28	210	219	NHEEEELLAAR					Mascot
1221.6508	1221.6132	-0.0376	-31	181	190	KVLDELTMTTR			Oxidation (M)[8]		Mascot
1309.6569	1309.6371	-0.0198	-15	366	375	LEMEIAEYRR					Mascot
1325.6517	1325.6156	-0.0361	-27	366	375	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1332.6754	1332.6376	-0.0378	-28	311	323	ASLEGLADTQAR					Mascot
1410.7046	1410.6642	-0.0404	-29	364	374	TRLEMEIAEYR	48	99.577			Mascot
1410.7046	1410.6642	-0.0404	-29	364	374	TRLEMEIAEYR					Mascot
1414.7788	1414.7742	-0.0046	-3	93	104	ILEKENADLELK					Mascot
1426.6995	1426.6582	-0.0413	-29	364	374	TRLEMEIAEYR			Oxidation (M)[5]		Mascot
1426.6995	1426.6582	-0.0413	-29	364	374	TRLEMEIAEYR	27	50.838	Oxidation (M)[5]		Mascot
1481.7329	1481.6874	-0.0455	-31	376	390	LLDGEATSVSTSSSK					Mascot
1708.8064	1708.7563	-0.0501	-29	119	133	DYSAYYATISDLQAK	118	100			Mascot
1708.8064	1708.7563	-0.0501	-29	119	133	DYSAYYATISDLQAK					Mascot
2230.0657	2230.0432	-0.0225	-10	220	240	TQMGGQVNVEVDAAPQ EDLTK					Mascot
2246.0605	2246.0095	-0.051	-23	220	240	TQMGGQVNVEVDAAPQ			Oxidation (M)[3]		Mascot

6 type I cytokeratin, enveloping layer [Danio rerio] EDLTK gi|94732407 24286.5 4.8 13 230 100 112 100

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
961.5312	961.5016	-0.0296	-31	84	91 SEITEVKR				Mascot
1123.5419	1123.5077	-0.0342	-30	56	64 DLESWFQAK	64	99.989		Mascot
1123.5419	1123.5077	-0.0342	-30	56	64 DLESWFQAK				Mascot
1153.5558	1153.5214	-0.0344	-30	163	171 LEMEIAEYR				Mascot
1169.5507	1169.5792	0.0285	24	163	171 LEMEIAEYR			Oxidation (M)[3]	Mascot
1169.5507	1169.5792	0.0285	24	163	171 LEMEIAEYR	7	0	Oxidation (M)[3]	Mascot
1309.6569	1309.6371	-0.0198	-15	163	172 LEMEIAEYRR				Mascot
1325.6517	1325.6156	-0.0361	-27	163	172 LEMEIAEYRR			Oxidation (M)[3]	Mascot
1332.6754	1332.6376	-0.0378	-28	108	120 ASLEGLTADTQAR				Mascot
1410.7046	1410.6642	-0.0404	-29	161	171 TRLEMEIAEYR	48	99.577		Mascot
1410.7046	1410.6642	-0.0404	-29	161	171 TRLEMEIAEYR				Mascot
1414.8151	1414.7742	-0.0409	-29	190	202 KVVTVIEEVVDGK				Mascot
1420.7278	1420.6896	-0.0382	-27	71	83 EVAVSTETLQTSR				Mascot
1426.6995	1426.6582	-0.0413	-29	161	171 TRLEMEIAEYR			Oxidation (M)[5]	Mascot
1426.6995	1426.6582	-0.0413	-29	161	171 TRLEMEIAEYR	27	50.838	Oxidation (M)[5]	Mascot
1465.7356	1465.6823	-0.0533	-36	149	160 QGQEYQMLLDIK				Mascot
1481.7305	1481.6874	-0.0431	-29	149	160 QGQEYQMLLDIK			Oxidation (M)[7]	Mascot
1725.8501	1725.8	-0.0501	-29	173	189 LLDGEATTVSTSSSTTR				Mascot
1847.9783	1847.9242	-0.0541	-29	92	107 TLQSLEIELQSQLSMK				Mascot
1863.9731	1863.9189	-0.0542	-29	92	107 TLQSLEIELQSQLSMK			Oxidation (M)[15]	Mascot
2260.0762	2260.0181	-0.0581	-26	17	37 TQMSGQVNVEVDAAPQE DLTk				Mascot
2276.071	2276.0137	-0.0573	-25	17	37 TQMSGQVNVEVDAAPQE DLTk			Oxidation (M)[3]	Mascot
2774.3818	2774.303	-0.0788	-28	121	143 YTNMLNGYQFQVSSLEE QLIQLR				Mascot
2790.3767	2790.3132	-0.0635	-23	121	143 YTNMLNGYQFQVSSLEE QLIQLR			Oxidation (M)[4]	Mascot

7 type I cytokeratin [Danio rerio] gi|18858423 46692.5 5.38 15 139 100 48 99.577

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
807.3995	807.3759	-0.0236	-29	158	164 LAADDFR				Mascot
1062.4998	1062.4702	-0.0296	-28	80	88 ATMQNLNDR				Mascot

1077.5609	1077.5311	-0.0298	-28	187	195	VDELTMTR				Mascot
1078.4946	1078.4645	-0.0301	-28	80	88	ATMQNLNDR			Oxidation (M)[3]	Mascot
1093.5312	1093.5104	-0.0208	-19	264	272	DLEGWFQAK				Mascot
1153.5558	1153.5214	-0.0344	-30	371	379	LEMEIAEYR				Mascot
1169.5507	1169.5792	0.0285	24	371	379	LEMEIAEYR			Oxidation (M)[3]	Mascot
1169.5507	1169.5792	0.0285	24	371	379	LEMEIAEYR	7	0	Oxidation (M)[3]	Mascot
1221.6262	1221.6132	-0.013	-11	263	272	KDLEGWFQAK				Mascot
1268.6304	1268.5938	-0.0366	-29	165	174	VKYENELSMR				Mascot
1284.6252	1284.592	-0.0332	-26	165	174	VKYENELSMR			Oxidation (M)[9]	Mascot
1309.6569	1309.6371	-0.0198	-15	371	380	LEMEIAEYRR				Mascot
1314.7124	1314.7013	-0.0111	-8	175	186	QSVEADIAGLRR				Mascot
1325.6517	1325.6156	-0.0361	-27	371	380	LEMEIAEYRR			Oxidation (M)[3]	Mascot
1332.6754	1332.6376	-0.0378	-28	316	328	ASLEGLTADTQAR				Mascot
1410.7046	1410.6642	-0.0404	-29	369	379	TRLEMEIAEYR	48	99.577		Mascot
1410.7046	1410.6642	-0.0404	-29	369	379	TRLEMEIAEYR				Mascot
1414.8151	1414.7742	-0.0409	-29	398	410	KVVTIVEEVVDGK				Mascot
1420.7278	1420.6896	-0.0382	-27	279	291	EVAVSTETLQTSR				Mascot
1426.6995	1426.6582	-0.0413	-29	369	379	TRLEMEIAEYR			Oxidation (M)[5]	Mascot
1426.6995	1426.6582	-0.0413	-29	369	379	TRLEMEIAEYR	27	50.838	Oxidation (M)[5]	Mascot
1465.7356	1465.6823	-0.0533	-36	357	368	QGQEYQMLLDIK				Mascot
1481.7305	1481.6874	-0.0431	-29	357	368	QGQEYQMLLDIK			Oxidation (M)[7]	Mascot
2260.0762	2260.0181	-0.0581	-26	225	245	AQMTGQVNVEVDAAPQE DLTK			Oxidation (M)[3]	Mascot

Peptide Information

	1268.6304	1268.5938	-0.0366	-29	165	174	VKYENELSMR						Mascot
	1284.6252	1284.592	-0.0332	-26	165	174	VKYENELSMR		Oxidation (M)[9]				Mascot
	1309.6569	1309.6371	-0.0198	-15	371	380	LEMEIAEYRR						Mascot
	1314.7124	1314.7013	-0.0111	-8	175	186	QSVEADIAGLRR						Mascot
	1325.6517	1325.6156	-0.0361	-27	371	380	LEMEIAEYRR		Oxidation (M)[3]				Mascot
	1332.6754	1332.6376	-0.0378	-28	316	328	ASLEGTLADTQAR						Mascot
	1410.7046	1410.6642	-0.0404	-29	369	379	TRLEMEIAEYR	48	99.577				Mascot
	1410.7046	1410.6642	-0.0404	-29	369	379	TRLEMEIAEYR						Mascot
	1414.8151	1414.7742	-0.0409	-29	400	412	KVVTIVEEVVDGK						Mascot
	1426.6995	1426.6582	-0.0413	-29	369	379	TRLEMEIAEYR		Oxidation (M)[5]				Mascot
	1426.6995	1426.6582	-0.0413	-29	369	379	TRLEMEIAEYR	27	50.838	Oxidation (M)[5]			Mascot
	1847.9783	1847.9242	-0.0541	-29	300	315	TLQSLEIELQSQLSMK						Mascot
	1863.9731	1863.9189	-0.0542	-29	300	315	TLQSLEIELQSQLSMK		Oxidation (M)[15]				Mascot
	2260.0762	2260.0181	-0.0581	-26	225	245	AQMTGQVNVEVDAAPQE DLTK		Oxidation (M)[3]				Mascot
9	cytokeratin-like [Danio rerio]				gi 62955621	47177.9	5.31	13	126	100	48	99.577	

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3759	-0.0236	-29	159	165	LAADDFR					Mascot
961.5312	961.5016	-0.0296	-31	293	300	SEITEVKR					Mascot
1062.4998	1062.4702	-0.0296	-28	81	89	ATMQNLNDR					Mascot
1077.5609	1077.5311	-0.0298	-28	188	196	VLDELTMT					Mascot
1078.4946	1078.4645	-0.0301	-28	81	89	ATMQNLNDR			Oxidation (M)[3]		Mascot
1093.5558	1093.5104	-0.0454	-42	188	196	VLDELTMT			Oxidation (M)[7]		Mascot
1153.5558	1153.5214	-0.0344	-30	372	380	LEMEIAEYR					Mascot
1169.5507	1169.5792	0.0285	24	372	380	LEMEIAEYR			Oxidation (M)[3]		Mascot
1169.5507	1169.5792	0.0285	24	372	380	LEMEIAEYR	7	0	Oxidation (M)[3]		Mascot
1268.6304	1268.5938	-0.0366	-29	166	175	VKYENELSMR					Mascot
1284.6252	1284.592	-0.0332	-26	166	175	VKYENELSMR			Oxidation (M)[9]		Mascot
1309.6569	1309.6371	-0.0198	-15	372	381	LEMEIAEYRR					Mascot
1314.7124	1314.7013	-0.0111	-8	176	187	QSVEADIAGLRR					Mascot
1325.6517	1325.6156	-0.0361	-27	372	381	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1332.6754	1332.6376	-0.0378	-28	317	329	ASLEGLTADTQAR					Mascot
1410.7046	1410.6642	-0.0404	-29	370	380	TRLEMEIAEYR	48	99.577			Mascot
1410.7046	1410.6642	-0.0404	-29	370	380	TRLEMEIAEYR					Mascot
1414.8151	1414.7742	-0.0409	-29	401	413	KVVTIVEEVVDGK					Mascot

	1426.6995	1426.6582	-0.0413	-29	370	380	TRLEMEIAEYR							Oxidation (M)[5]	Mascot
	1426.6995	1426.6582	-0.0413	-29	370	380	TRLEMEIAEYR	27	50.838					Oxidation (M)[5]	Mascot
	1847.9783	1847.9242	-0.0541	-29	301	316	TLQSLEIELQSQLSMK								Mascot
	1863.9731	1863.9189	-0.0542	-29	301	316	TLQSLEIELQSQLSMK							Oxidation (M)[15]	Mascot
	2260.0762	2260.0181	-0.0581	-26	226	246	AQMTGQVNVVEVDAAPQE DLTK							Oxidation (M)[3]	Mascot
10	novel protein similar to type I cyto				gi 94732405		43116.8	5.22	12	121	100	48	99.577		
	keratin, enveloping layer [Danio rerio]														

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
807.3995	807.3759	-0.0236	-29	160	166	LAADDFR						Mascot	
961.5312	961.5016	-0.0296	-31	294	301	SEITEVKR						Mascot	
1062.4998	1062.4702	-0.0296	-28	82	90	ATMQNLNDR						Mascot	
1077.5609	1077.5311	-0.0298	-28	189	197	VLDELTMTTR						Mascot	
1078.4946	1078.4645	-0.0301	-28	82	90	ATMQNLNDR				Oxidation (M)[3]		Mascot	
1093.5558	1093.5104	-0.0454	-42	189	197	VLDELTMTTR				Oxidation (M)[7]		Mascot	
1153.5558	1153.5214	-0.0344	-30	373	381	LEMEIAEYR						Mascot	
1169.5507	1169.5792	0.0285	24	373	381	LEMEIAEYR				Oxidation (M)[3]		Mascot	
1169.5507	1169.5792	0.0285	24	373	381	LEMEIAEYR	7	0		Oxidation (M)[3]		Mascot	
1268.6304	1268.5938	-0.0366	-29	167	176	VKYENELSMR						Mascot	
1284.6252	1284.592	-0.0332	-26	167	176	VKYENELSMR				Oxidation (M)[9]		Mascot	
1309.6569	1309.6371	-0.0198	-15	373	382	LEMEIAEYRR						Mascot	
1314.7124	1314.7013	-0.0111	-8	177	188	QSVEADIAGLRR						Mascot	
1325.6517	1325.6156	-0.0361	-27	373	382	LEMEIAEYRR				Oxidation (M)[3]		Mascot	
1332.6754	1332.6376	-0.0378	-28	318	330	ASLEGTLDATQAR						Mascot	
1410.7046	1410.6642	-0.0404	-29	371	381	TRLEMEIAEYR	48	99.577				Mascot	
1410.7046	1410.6642	-0.0404	-29	371	381	TRLEMEIAEYR						Mascot	
1426.6995	1426.6582	-0.0413	-29	371	381	TRLEMEIAEYR				Oxidation (M)[5]		Mascot	
1426.6995	1426.6582	-0.0413	-29	371	381	TRLEMEIAEYR	27	50.838		Oxidation (M)[5]		Mascot	
1847.9783	1847.9242	-0.0541	-29	302	317	TLQSLEIELQSQLSMK						Mascot	
1863.9731	1863.9189	-0.0542	-29	302	317	TLQSLEIELQSQLSMK				Oxidation (M)[15]		Mascot	
2260.0762	2260.0181	-0.0581	-26	227	247	AQMTGQVNVVEVDAAPQE DLTK				Oxidation (M)[3]		Mascot	

11	Zgc:109868 [Danio rerio]	gi 92097956	47235.8	5.25	12	117	100	48	99.577
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	%	Modification	Rank	Result	Type
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		Seq.		Seq.		Score						
	807.3995	807.3759	-0.0236	-29	160	166	LAADDFR				Mascot	
	961.5312	961.5016	-0.0296	-31	294	301	SEITEVKR				Mascot	
	1062.4998	1062.4702	-0.0296	-28	82	90	ATMQNLNDR				Mascot	
	1077.5609	1077.5311	-0.0298	-28	189	197	VLDELTMTTR				Mascot	
	1078.4946	1078.4645	-0.0301	-28	82	90	ATMQNLNDR			Oxidation (M)[3]	Mascot	
	1093.5558	1093.5104	-0.0454	-42	189	197	VLDELTMTTR			Oxidation (M)[7]	Mascot	
	1153.5558	1153.5214	-0.0344	-30	373	381	LEMEIAEYR				Mascot	
	1169.5507	1169.5792	0.0285	24	373	381	LEMEIAEYR			Oxidation (M)[3]	Mascot	
	1169.5507	1169.5792	0.0285	24	373	381	LEMEIAEYR	7	0	Oxidation (M)[3]	Mascot	
	1268.6304	1268.5938	-0.0366	-29	167	176	VKYENELSMR				Mascot	
	1284.6252	1284.592	-0.0332	-26	167	176	VKYENELSMR			Oxidation (M)[9]	Mascot	
	1309.6569	1309.6371	-0.0198	-15	373	382	LEMEIAEYRR				Mascot	
	1314.7124	1314.7013	-0.0111	-8	177	188	QSVEADIAGLR				Mascot	
	1325.6517	1325.6156	-0.0361	-27	373	382	LEMEIAEYRR			Oxidation (M)[3]	Mascot	
	1332.6754	1332.6376	-0.0378	-28	318	330	ASLEGLADTQAR				Mascot	
	1410.7046	1410.6642	-0.0404	-29	371	381	TRLEMEIAEYR	48	99.577		Mascot	
	1410.7046	1410.6642	-0.0404	-29	371	381	TRLEMEIAEYR				Mascot	
	1426.6995	1426.6582	-0.0413	-29	371	381	TRLEMEIAEYR			Oxidation (M)[5]	Mascot	
	1426.6995	1426.6582	-0.0413	-29	371	381	TRLEMEIAEYR	27	50.838	Oxidation (M)[5]	Mascot	
	1847.9783	1847.9242	-0.0541	-29	302	317	TLQSLEIELQSQLSMK				Mascot	
	1863.9731	1863.9189	-0.0542	-29	302	317	TLQSLEIELQSQLSMK			Oxidation (M)[15]	Mascot	
	2260.0762	2260.0181	-0.0581	-26	227	247	AQMTGQVNVVEVDAAPQE DLTK			Oxidation (M)[3]	Mascot	
12	novel protein similar to type I cytokeratin, enveloping layer [Danio rerio]				gi 94732413	49661.4	5.31	12	112	100	48	99.577

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3759	-0.0236	-29	183	189	LAADDFR				Mascot
1062.4998	1062.4702	-0.0296	-28	105	113	ATMQNLNDR				Mascot
1077.5609	1077.5311	-0.0298	-28	212	220	VLDELTMTTR				Mascot
1078.4946	1078.4645	-0.0301	-28	105	113	ATMQNLNDR			Oxidation (M)[3]	Mascot
1093.5558	1093.5104	-0.0454	-42	212	220	VLDELTMTTR			Oxidation (M)[7]	Mascot
1153.5558	1153.5214	-0.0344	-30	396	404	LEMEIAEYR				Mascot
1169.5507	1169.5792	0.0285	24	396	404	LEMEIAEYR			Oxidation (M)[3]	Mascot

1169.5507	1169.5792	0.0285	24	396	404	LEMEIAEYR	7	0	Oxidation (M)[3]	Mascot
1181.5909	1181.5582	-0.0327	-28	240	249	NHEEELLAAR				Mascot
1221.6508	1221.6132	-0.0376	-31	211	220	KVLDELTMTTR			Oxidation (M)[8]	Mascot
1268.6304	1268.5938	-0.0366	-29	190	199	VKYENELSMR				Mascot
1284.6252	1284.592	-0.0332	-26	190	199	VKYENELSMR			Oxidation (M)[9]	Mascot
1309.6569	1309.6371	-0.0198	-15	396	405	LEMEIAEYRR				Mascot
1325.6517	1325.6156	-0.0361	-27	396	405	LEMEIAEYRR			Oxidation (M)[3]	Mascot
1332.6754	1332.6376	-0.0378	-28	341	353	ASLEGLTADTQAR				Mascot
1410.7046	1410.6642	-0.0404	-29	394	404	TRLEMEIAEYR	48	99.577		Mascot
1410.7046	1410.6642	-0.0404	-29	394	404	TRLEMEIAEYR				Mascot
1426.6995	1426.6582	-0.0413	-29	394	404	TRLEMEIAEYR			Oxidation (M)[5]	Mascot
1426.6995	1426.6582	-0.0413	-29	394	404	TRLEMEIAEYR	27	50.838	Oxidation (M)[5]	Mascot
1465.7356	1465.6823	-0.0533	-36	382	393	QGQEYQMLLDIK				Mascot
1481.7305	1481.6874	-0.0431	-29	382	393	QGQEYQMLLDIK			Oxidation (M)[7]	Mascot
1847.8922	1847.9242	0.032	17	289	303	DLEHWFQSKSES LNK				Mascot

13 type I keratin [Danio rerio] gi|5733816 11569.6 4.88 5 93 99.998 48 99.577

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1153.5558	1153.5214	-0.0344	-30	64	72	LEMEIAEYR					Mascot
1169.5507	1169.5792	0.0285	24	64	72	LEMEIAEYR			Oxidation (M)[3]		Mascot
1169.5507	1169.5792	0.0285	24	64	72	LEMEIAEYR	7	0	Oxidation (M)[3]		Mascot
1309.6569	1309.6371	-0.0198	-15	64	73	LEMEIAEYRR					Mascot
1325.6517	1325.6156	-0.0361	-27	64	73	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1332.6754	1332.6376	-0.0378	-28	9	21	ASLEGLTADTQAR					Mascot
1410.7046	1410.6642	-0.0404	-29	62	72	TRLEMEIAEYR	48	99.577			Mascot
1410.7046	1410.6642	-0.0404	-29	62	72	TRLEMEIAEYR					Mascot
1426.6995	1426.6582	-0.0413	-29	62	72	TRLEMEIAEYR			Oxidation (M)[5]		Mascot
1426.6995	1426.6582	-0.0413	-29	62	72	TRLEMEIAEYR	27	50.838	Oxidation (M)[5]		Mascot
1465.7356	1465.6823	-0.0533	-36	50	61	QGQEYQMLLDIK					Mascot
1481.7305	1481.6874	-0.0431	-29	50	61	QGQEYQMLLDIK			Oxidation (M)[7]		Mascot

14 type I keratin E7-like [Danio rerio] gi|316659401 43783.1 4.97 9 91 99.997 48 99.577

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	1078.6255	1078.4645	-0.161	-149	69	77	LASYLEKVR			Mascot
	1123.5854	1123.5077	-0.0777	-69	194	203	NHAEELAALR			Mascot
	1123.5854	1123.5077	-0.0777	-69	194	203	NHAEELAALR			Mascot
	1153.5558	1153.5214	-0.0344	-30	351	359	LEMEIAEYR			Mascot
	1169.5507	1169.5792	0.0285	24	351	359	LEMEIAEYR		Oxidation (M)[3]	Mascot
	1169.5507	1169.5792	0.0285	24	351	359	LEMEIAEYR	7	0	Oxidation (M)[3] Mascot
	1186.5521	1186.6079	0.0558	47	1	10	MSQVTQSFSR		Oxidation (M)[1]	Mascot
	1186.5521	1186.6079	0.0558	47	1	10	MSQVTQSFSR		Oxidation (M)[1]	Mascot
	1298.6521	1298.6073	-0.0448	-34	1	11	MSQVTQSFSRK			Mascot
	1309.6569	1309.6371	-0.0198	-15	351	360	LEMEIAEYRR			Mascot
	1314.6471	1314.7013	0.0542	41	1	11	MSQVTQSFSRK		Oxidation (M)[1]	Mascot
	1325.6517	1325.6156	-0.0361	-27	351	360	LEMEIAEYRR		Oxidation (M)[3]	Mascot
	1410.7046	1410.6642	-0.0404	-29	349	359	TRLEMEIAEYR	48	99.577	Mascot
	1410.7046	1410.6642	-0.0404	-29	349	359	TRLEMEIAEYR			Mascot
	1420.8046	1420.6896	-0.115	-81	337	348	QASEYKLLLDIK			Mascot
	1426.6995	1426.6582	-0.0413	-29	349	359	TRLEMEIAEYR		Oxidation (M)[5]	Mascot
	1426.6995	1426.6582	-0.0413	-29	349	359	TRLEMEIAEYR	27	50.838	Oxidation (M)[5] Mascot
	1464.842	1464.6581	-0.1839	-126	370	383	QTVKVVEVVAPPQA			Mascot

Peptide Information

	1420.8046	1420.6896	-0.115	-81	358	369	QASEYKLLLDIK									Mascot
	1426.6995	1426.6582	-0.0413	-29	370	380	TRLEMEIAEYR						Oxidation (M)[5]			Mascot
	1426.6995	1426.6582	-0.0413	-29	370	380	TRLEMEIAEYR	27	50.838			Oxidation (M)[5]				Mascot
	2260.0007	2260.0181	0.0174	8	58	80	GGFDMSSALAGGDNGF GMVVNEK									Mascot
	2275.9956	2276.0137	0.0181	8	58	80	GGFDMSSALAGGDNGF GMVVNEK					Oxidation (M)[5]				Mascot
16	Si:dkeyp-113d7.4 protein [Danio rerio]				gi 62203256		51673.7	5.05	8	84	99.983	48	99.577			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1078.6255	1078.4645	-0.161	-149	140	148	LASYLEKVR						Mascot	
1093.6099	1093.5104	-0.0995	-91	478	488	VVSSSSTSLVK						Mascot	
1153.5558	1153.5214	-0.0344	-30	424	432	LEMEIAEYR						Mascot	
1169.5507	1169.5792	0.0285	24	424	432	LEMEIAEYR				Oxidation (M)[3]		Mascot	
1169.5507	1169.5792	0.0285	24	424	432	LEMEIAEYR	7	0		Oxidation (M)[3]		Mascot	
1282.646	1282.6121	-0.0339	-26	218	227	IKYENELSMR						Mascot	
1298.6409	1298.6073	-0.0336	-26	218	227	IKYENELSMR				Oxidation (M)[9]		Mascot	
1309.6569	1309.6371	-0.0198	-15	424	433	LEMEIAEYRR						Mascot	
1325.6517	1325.6156	-0.0361	-27	424	433	LEMEIAEYRR				Oxidation (M)[3]		Mascot	
1410.7046	1410.6642	-0.0404	-29	422	432	TRLEMEIAEYR	48	99.577				Mascot	
1410.7046	1410.6642	-0.0404	-29	422	432	TRLEMEIAEYR						Mascot	
1426.6995	1426.6582	-0.0413	-29	422	432	TRLEMEIAEYR				Oxidation (M)[5]		Mascot	
1426.6995	1426.6582	-0.0413	-29	422	432	TRLEMEIAEYR	27	50.838		Oxidation (M)[5]		Mascot	
1465.6653	1465.6823	0.017	12	449	463	SGFSSTSSSTTSTTK						Mascot	
1481.7305	1481.6874	-0.0431	-29	410	421	QQQEYQMLLDIK				Oxidation (M)[7]		Mascot	

17	novel protein similar to vertebrate keratin type I family [Danio rerio]				gi 94732967		45812.2	5.08	8	83	99.976	48	99.577			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1078.6255	1078.4645	-0.161	-149	87	95	LASYLEKVR						Mascot	
1123.5854	1123.5077	-0.0777	-69	212	221	NHAEELAALR						Mascot	
1123.5854	1123.5077	-0.0777	-69	212	221	NHAEELAALR						Mascot	
1153.5558	1153.5214	-0.0344	-30	369	377	LEMEIAEYR						Mascot	
1169.5507	1169.5792	0.0285	24	369	377	LEMEIAEYR				Oxidation (M)[3]		Mascot	
1169.5507	1169.5792	0.0285	24	369	377	LEMEIAEYR	7	0		Oxidation (M)[3]		Mascot	

	1309.6569	1309.6371	-0.0198	-15	369	378	LEMEIAEYRR										Mascot
	1325.6517	1325.6156	-0.0361	-27	369	378	LEMEIAEYRR						Oxidation (M)[3]				Mascot
	1410.7046	1410.6642	-0.0404	-29	367	377	TRLEMEIAEYR	48	99.577								Mascot
	1410.7046	1410.6642	-0.0404	-29	367	377	TRLEMEIAEYR										Mascot
	1420.8046	1420.6896	-0.115	-81	355	366	QASEYKLLLDIK										Mascot
	1426.6995	1426.6582	-0.0413	-29	367	377	TRLEMEIAEYR						Oxidation (M)[5]				Mascot
	1426.6995	1426.6582	-0.0413	-29	367	377	TRLEMEIAEYR	27	50.838	Oxidation (M)[5]							Mascot
	1464.842	1464.6581	-0.1839	-126	388	401	QTVKVVVVAPPQA										Mascot
	2230.0227	2230.0432	0.0205	9	9	28	CPTRAETETMSQVTQS FSR										Mascot
	2246.0176	2246.0095	-0.0081	-4	9	28	CPTRAETETMSQVTQS FSR						Oxidation (M)[11]				Mascot
18	si:dkeyp-113d7.4 [Danio rerio]				gi 167234796		49903.8	4.94	7	79	99.948	48	99.577				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1093.6099	1093.5104	-0.0995	-91	463	473	VVSSSSTSLVK					Mascot
1153.5558	1153.5214	-0.0344	-30	409	417	LEMEIAEYR					Mascot
1169.5507	1169.5792	0.0285	24	409	417	LEMEIAEYR			Oxidation (M)[3]		Mascot
1169.5507	1169.5792	0.0285	24	409	417	LEMEIAEYR	7	0	Oxidation (M)[3]		Mascot
1282.646	1282.6121	-0.0339	-26	203	212	IKYENELSMR					Mascot
1298.6409	1298.6073	-0.0336	-26	203	212	IKYENELSMR			Oxidation (M)[9]		Mascot
1309.6569	1309.6371	-0.0198	-15	409	418	LEMEIAEYRR					Mascot
1325.6517	1325.6156	-0.0361	-27	409	418	LEMEIAEYRR			Oxidation (M)[3]		Mascot
1410.7046	1410.6642	-0.0404	-29	407	417	TRLEMEIAEYR	48	99.577			Mascot
1410.7046	1410.6642	-0.0404	-29	407	417	TRLEMEIAEYR					Mascot
1426.6995	1426.6582	-0.0413	-29	407	417	TRLEMEIAEYR			Oxidation (M)[5]		Mascot
1426.6995	1426.6582	-0.0413	-29	407	417	TRLEMEIAEYR	27	50.838	Oxidation (M)[5]		Mascot
1464.6787	1464.6581	-0.0206	-14	1	14	MATTFSSGSFVSSR					Mascot
1465.7356	1465.6823	-0.0533	-36	395	406	QGQEYQMLLDIK					Mascot
1481.7305	1481.6874	-0.0431	-29	395	406	QGQEYQMLLDIK			Oxidation (M)[7]		Mascot

19	keratin 15 [Danio rerio]				gi 47087241		49093.4	5.13	6	74	99.814	48	99.577				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1062.4998	1062.4702	-0.0296	-28	109	117	ATMQNLNDR					Mascot
1078.4946	1078.4645	-0.0301	-28	109	117	ATMQNLNDR			Oxidation (M)[3]		Mascot

1153.5558	1153.5214	-0.0344	-30	400	408	LEMEIAEYR											Mascot
1169.5507	1169.5792	0.0285	24	400	408	LEMEIAEYR							Oxidation (M)[3]				Mascot
1169.5507	1169.5792	0.0285	24	400	408	LEMEIAEYR	7	0					Oxidation (M)[3]				Mascot
1284.6252	1284.592	-0.0332	-26	194	203	TKYENELTMR											Mascot
1309.6569	1309.6371	-0.0198	-15	400	409	LEMEIAEYRR											Mascot
1325.6517	1325.6156	-0.0361	-27	400	409	LEMEIAEYRR							Oxidation (M)[3]				Mascot
1410.7046	1410.6642	-0.0404	-29	398	408	TRLEMEIAEYR	48	99.577									Mascot
1410.7046	1410.6642	-0.0404	-29	398	408	TRLEMEIAEYR											Mascot
1426.6995	1426.6582	-0.0413	-29	398	408	TRLEMEIAEYR							Oxidation (M)[5]				Mascot
1426.6995	1426.6582	-0.0413	-29	398	408	TRLEMEIAEYR	27	50.838					Oxidation (M)[5]				Mascot
1465.772	1465.6823	-0.0897	-61	386	397	QGQEYKMLLDIK											Mascot
1481.7668	1481.6874	-0.0794	-54	386	397	QGQEYKMLLDIK							Oxidation (M)[7]				Mascot

20 Si:dkeyp-113d7.4 protein [Danio rerio] gi|126632119 51495.6 5 6 73 99.792 48 99.577

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1093.6099	1093.5104	-0.0995	-91	478	488	VVSSSSTSLVK							Mascot
1153.5558	1153.5214	-0.0344	-30	424	432	LEMEIAEYR							Mascot
1169.5507	1169.5792	0.0285	24	424	432	LEMEIAEYR				Oxidation (M)[3]			Mascot
1169.5507	1169.5792	0.0285	24	424	432	LEMEIAEYR	7	0		Oxidation (M)[3]			Mascot
1282.646	1282.6121	-0.0339	-26	218	227	IKYENELSMR							Mascot
1298.6409	1298.6073	-0.0336	-26	218	227	IKYENELSMR				Oxidation (M)[9]			Mascot
1309.6569	1309.6371	-0.0198	-15	424	433	LEMEIAEYRR							Mascot
1325.6517	1325.6156	-0.0361	-27	424	433	LEMEIAEYRR				Oxidation (M)[3]			Mascot
1410.7046	1410.6642	-0.0404	-29	422	432	TRLEMEIAEYR	48	99.577					Mascot
1410.7046	1410.6642	-0.0404	-29	422	432	TRLEMEIAEYR							Mascot
1426.6995	1426.6582	-0.0413	-29	422	432	TRLEMEIAEYR				Oxidation (M)[5]			Mascot
1426.6995	1426.6582	-0.0413	-29	422	432	TRLEMEIAEYR	27	50.838		Oxidation (M)[5]			Mascot
1465.7356	1465.6823	-0.0533	-36	410	421	QGQEYQMLLDIK							Mascot
1481.7305	1481.6874	-0.0431	-29	410	421	QGQEYQMLLDIK				Oxidation (M)[7]			Mascot

21 keratin 15 [Danio rerio] gi|169158744 48848.4 5.13 6 73 99.787 48 99.577

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1062.4998	1062.4702	-0.0296	-28	109	117	ATMQNLNDR							Mascot

	1078.4946	1078.4645	-0.0301	-28	109	117	ATMQNLNDR								Oxidation (M)[3]		Mascot
	1153.5558	1153.5214	-0.0344	-30	400	408	LEMEIAEYR										Mascot
	1169.5507	1169.5792	0.0285	24	400	408	LEMEIAEYR								Oxidation (M)[3]		Mascot
	1169.5507	1169.5792	0.0285	24	400	408	LEMEIAEYR	7		0					Oxidation (M)[3]		Mascot
	1284.6252	1284.592	-0.0332	-26	194	203	TKYENELTMR										Mascot
	1309.6569	1309.6371	-0.0198	-15	400	409	LEMEIAEYRR										Mascot
	1325.6517	1325.6156	-0.0361	-27	400	409	LEMEIAEYRR								Oxidation (M)[3]		Mascot
	1410.7046	1410.6642	-0.0404	-29	398	408	TRLEMEIAEYR	48		99.577							Mascot
	1410.7046	1410.6642	-0.0404	-29	398	408	TRLEMEIAEYR										Mascot
	1426.6995	1426.6582	-0.0413	-29	398	408	TRLEMEIAEYR								Oxidation (M)[5]		Mascot
	1426.6995	1426.6582	-0.0413	-29	398	408	TRLEMEIAEYR	27		50.838					Oxidation (M)[5]		Mascot
	1465.772	1465.6823	-0.0897	-61	386	397	QGQEQKMLLDIK										Mascot
	1481.7668	1481.6874	-0.0794	-54	386	397	QGQEQKMLLDIK								Oxidation (M)[7]		Mascot
22	novel protein (zgc:171226) [Danio rerio]				gi 169158742		41278.5	4.86	5	49	47.716	33	87.848				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1078.6255	1078.4645	-0.161	-149	60	68	LASYLEKVR					Mascot
1153.567	1153.5214	-0.0456	-40	136	144	KYENELAMR					Mascot
1169.5619	1169.5792	0.0173	15	136	144	KYENELAMR			Oxidation (M)[8]		Mascot
1169.5619	1169.5792	0.0173	15	136	144	KYENELAMR			Oxidation (M)[8]		Mascot
1181.5731	1181.5582	-0.0149	-13	137	145	YENELAMRR					Mascot
1332.6907	1332.6376	-0.0531	-40	23	35	ISSPAGFLNSSPR					Mascot
2117.1741	2117.115	-0.0591	-28	166	183	SDLELQIEALKEEFIVLK	33	87.848			Mascot
2117.1741	2117.115	-0.0591	-28	166	183	SDLELQIEALKEEFIVLK					Mascot

23 novel protein (zgc:171226) [Danio rerio] gi|169158743 44606.2 4.73 5 48 27.828 33 87.848

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1078.6255	1078.4645	-0.161	-149	60	68	LASYLEKVR					Mascot
1153.567	1153.5214	-0.0456	-40	136	144	KYENELAMR					Mascot
1169.5619	1169.5792	0.0173	15	136	144	KYENELAMR			Oxidation (M)[8]		Mascot
1169.5619	1169.5792	0.0173	15	136	144	KYENELAMR			Oxidation (M)[8]		Mascot
1181.5731	1181.5582	-0.0149	-13	137	145	YENELAMRR					Mascot
1332.6907	1332.6376	-0.0531	-40	23	35	ISSPAGFLNSSPR					Mascot

	2117.1741	2117.115	-0.0591	-28	166	183	SDLELQIEALKEEFIVLK	33	87.848				Mascot
	2117.1741	2117.115	-0.0591	-28	166	183	SDLELQIEALKEEFIVLK						Mascot
24	Zgc:171226 protein [Danio rerio]				gi 134024897		45341.6	4.72	5	47	11.209	33	87.848

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	1078.6255	1078.4645	-0.161	-149	66	74	LASYLEKVR				Mascot
	1153.567	1153.5214	-0.0456	-40	142	150	KYENELAMR				Mascot
	1169.5619	1169.5792	0.0173	15	142	150	KYENELAMR		Oxidation (M)[8]		Mascot
	1169.5619	1169.5792	0.0173	15	142	150	KYENELAMR		Oxidation (M)[8]		Mascot
	1181.5731	1181.5582	-0.0149	-13	143	151	YENELAMRR				Mascot
	1332.6907	1332.6376	-0.0531	-40	29	41	ISSPAGFLNSSPR				Mascot
	2117.1741	2117.115	-0.0591	-28	172	189	SDLELQIEALKEEFIVLK	33	87.848		Mascot
	2117.1741	2117.115	-0.0591	-28	172	189	SDLELQIEALKEEFIVLK				Mascot

25	PREDICTED: f-box/WD repeat-containing protein 10-like [Danio rerio]				gi 292619674		95885.6	9.41	17	46	0		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	961.485	961.5016	0.0166	17	594	601	LQAYSHSR				Mascot
	1077.4418	1077.5311	0.0893	83	711	719	DAWGPDTCTCR		Carbamidomethyl (C)[8]		Mascot
	1123.5392	1123.5077	-0.0315	-28	194	203	HFQHGGTSPR				Mascot
	1123.5392	1123.5077	-0.0315	-28	194	203	HFQHGGTSPR				Mascot
	1169.6426	1169.5792	-0.0634	-54	810	818	HIQLDPYKR				Mascot
	1169.6426	1169.5792	-0.0634	-54	810	818	HIQLDPYKR				Mascot
	1186.615	1186.6079	-0.0071	-6	444	452	CLRTFQHPK		Carbamidomethyl (C)[1]		Mascot
	1186.615	1186.6079	-0.0071	-6	444	452	CLRTFQHPK		Carbamidomethyl (C)[1]		Mascot
	1282.6763	1282.6121	-0.0642	-50	672	682	RGPHPVTPER				Mascot
	1325.7286	1325.6156	-0.113	-85	453	463	EVLAMSFLFLR				Mascot
	1332.6113	1332.6376	0.0263	20	709	719	VRDAWGPDTCTCR		Carbamidomethyl (C)[10]		Mascot
	1420.6484	1420.6896	0.0412	29	840	851	QQQVCKNGSEDK		Carbamidomethyl (C)[5]		Mascot
	1465.6376	1465.6823	0.0447	30	9	21	GEAGDSVLEWSCR		Carbamidomethyl (C)[12]		Mascot
	1708.9203	1708.7563	-0.164	-96	475	488	IFNFLNGDCLRVIK		Carbamidomethyl (C)[9]		Mascot
	1708.9203	1708.7563	-0.164	-96	475	488	IFNFLNGDCLRVIK		Carbamidomethyl (C)[9]		Mascot
	1863.7888	1863.9189	0.1301	70	96	113	ALPEDTMWSMDGGGPD GK				Mascot

	2117.0583	2117.115	0.0567	27	141	157	HWQSLTEEILTEMEVKK							Oxidation (M)[13]	Mascot
	2117.0583	2117.115	0.0567	27	141	157	HWQSLTEEILTEMEVKK							Oxidation (M)[13]	Mascot
	2138.9116	2139.0923	0.1807	84	94	113	SRALPEDTMWSDGGG PDGK							Oxidation (M)[9,12]	Mascot
	2230.1787	2230.0432	-0.1355	-61	174	193	VNPVYAKICEVLPISEG DK							Carbamidomethyl (C)[9]	Mascot
	2260.1538	2260.0181	-0.1357	-60	453	472	EVLAMSFLFLRIITGCMD GK							Oxidation (M)[5]	Mascot
	2276.1487	2276.0137	-0.135	-59	453	472	EVLAMSFLFLRIITGCMD GK							Oxidation (M)[5,17]	Mascot
	2774.3821	2774.303	-0.0791	-29	369	393	HPKPIMCVKMSETLVISS CSGGQIR							Carbamidomethyl (C)[7], Oxidation (M)[6]	Mascot
	2790.377	2790.3132	-0.0638	-23	369	393	HPKPIMCVKMSETLVISS CSGGQIR							Carbamidomethyl (C)[7], Oxidation (M)[6,10]	Mascot
26	protein tyrosine kinase [Danio rerio]				gi 3093296		81950.7	6.66	11	46	0	20	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	807.3301	807.3759	0.0458	57	307	312	EECVDR				Carbamidomethyl (C)[3]		Mascot
	1155.623	1155.5026	-0.1204	-104	313	322	IPWIAPECVK						Mascot
	1282.5844	1282.6121	0.0277	22	495	505	YKGICNEEGGR				Carbamidomethyl (C)[5]		Mascot
	1410.7522	1410.6642	-0.088	-62	646	658	LIGPTHGQMTVTR						Mascot
	1410.7522	1410.6642	-0.088	-62	646	658	LIGPTHGQMTVTR						Mascot
	1426.7471	1426.6582	-0.0889	-62	646	658	LIGPTHGQMTVTR				Oxidation (M)[9]		Mascot
	1426.7471	1426.6582	-0.0889	-62	646	658	LIGPTHGQMTVTR				Oxidation (M)[9]		Mascot
	1448.822	1448.6653	-0.1567	-108	75	86	ELLEHLQGQLLR						Mascot
	1465.7897	1465.6823	-0.1074	-73	254	266	QLASALSYLEDKK						Mascot
	1708.7716	1708.7563	-0.0153	-9	380	392	LMTHCMTYDPRQR	20	0		Carbamidomethyl (C)[5]		Mascot
	1708.7716	1708.7563	-0.0153	-9	380	392	LMTHCMTYDPRQR				Carbamidomethyl (C)[5]		Mascot
	2179.0383	2178.8967	-0.1416	-65	669	685	IPRPDDCSEQLYNLMRR				Carbamidomethyl (C)[7], Oxidation (M)[15]		Mascot
	2230.0776	2230.0432	-0.0344	-15	97	115	CCPPQPREISNLLVMTTD R				Carbamidomethyl (C)[1]		Mascot
	2246.0725	2246.0095	-0.063	-28	97	115	CCPPQPREISNLLVMTTD R				Carbamidomethyl (C)[1], Oxidation (M)[15]		Mascot
	2284.1528	2284.1067	-0.0461	-20	408	427	QNPSIQPVPMLEVDPTVF EK				Oxidation (M)[10]		Mascot
	2774.2742	2774.303	0.0288	10	594	615	DDLSPVFVWYAPECLIHC KFYR				Carbamidomethyl (C)[14]		Mascot

27 RecName: Full=Tyrosine-protein kinase JAK1;
AltName: Full=Janus kinase 1; Short=JAK-1

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
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807.3301	807.3759	0.0458	57	749	754	EECVDR										Carbamidomethyl (C)[3]	Mascot
961.5101	961.5016	-0.0085	-9	218	225	FIPDSLR											Mascot
1155.623	1155.5026	-0.1204	-104	755	764	IPWIAPECVK											Mascot
1282.5844	1282.6121	0.0277	22	937	947	YKGICNEEGGR										Carbamidomethyl (C)[5]	Mascot
1410.7522	1410.6642	-0.088	-62	1088	1100	LIGPTHGQMTVTR											Mascot
1410.7522	1410.6642	-0.088	-62	1088	1100	LIGPTHGQMTVTR											Mascot
1426.7471	1426.6582	-0.0889	-62	1088	1100	LIGPTHGQMTVTR										Oxidation (M)[9]	Mascot
1426.7471	1426.6582	-0.0889	-62	1088	1100	LIGPTHGQMTVTR										Oxidation (M)[9]	Mascot
1448.822	1448.6653	-0.1567	-108	517	528	ELLEHLQGQLLR											Mascot
1465.7897	1465.6823	-0.1074	-73	696	708	QLASALSYLEDKK											Mascot
1708.7716	1708.7563	-0.0153	-9	822	834	LMTHCMTYDPRQR	20	0								Carbamidomethyl (C)[5]	Mascot
1708.7716	1708.7563	-0.0153	-9	822	834	LMTHCMTYDPRQR										Carbamidomethyl (C)[5]	Mascot
2179.0383	2178.8967	-0.1416	-65	1111	1127	LPRPDDCSEQLYNLMRR										Carbamidomethyl (C)[7], Oxidation (M)[15]	Mascot
2230.0776	2230.0432	-0.0344	-15	539	557	CCPPQPREISNLLVMTTD R										Carbamidomethyl (C)[1]	Mascot
2245.1289	2245.2058	0.0769	34	356	374	DSGWTLSDFHEITHIVIK											Mascot
2246.0725	2246.0095	-0.063	-28	539	557	CCPPQPREISNLLVMTTD R										Carbamidomethyl (C)[1], Oxidation (M)[15]	Mascot
2284.1528	2284.1067	-0.0461	-20	850	869	QNPSIQPVPMLEVDPTVF EK										Oxidation (M)[10]	Mascot
2774.2742	2774.303	0.0288	10	1036	1057	DDLDSVPFWYAPECLIHC KFYR										Carbamidomethyl (C)[14]	Mascot
28	tyrosine-protein kinase JAK1 [Danio rerio]				gi 56790256		132430.2	7.64	13	40	0	20	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3301	807.3759	0.0458	57	749	754	EECVDR			Carbamidomethyl (C)[3]		Mascot
961.5101	961.5016	-0.0085	-9	218	225	FIPDSLR					Mascot
1155.623	1155.5026	-0.1204	-104	755	764	IPWIAPECVK					Mascot
1282.5844	1282.6121	0.0277	22	937	947	YKGICNEEGGR			Carbamidomethyl (C)[5]		Mascot
1410.7522	1410.6642	-0.088	-62	1088	1100	LIGPTHGQMTVTR					Mascot
1410.7522	1410.6642	-0.088	-62	1088	1100	LIGPTHGQMTVTR					Mascot
1426.7471	1426.6582	-0.0889	-62	1088	1100	LIGPTHGQMTVTR			Oxidation (M)[9]		Mascot
1426.7471	1426.6582	-0.0889	-62	1088	1100	LIGPTHGQMTVTR			Oxidation (M)[9]		Mascot
1448.822	1448.6653	-0.1567	-108	517	528	ELLEHLQGQLLR					Mascot
1465.7897	1465.6823	-0.1074	-73	696	708	QLASALSYLEDKK					Mascot
1708.7716	1708.7563	-0.0153	-9	822	834	LMTHCMTYDPRQR	20	0	Carbamidomethyl (C)[5]		Mascot
1708.7716	1708.7563	-0.0153	-9	822	834	LMTHCMTYDPRQR			Carbamidomethyl (C)[5]		Mascot
2179.0383	2178.8967	-0.1416	-65	1111	1127	LPRPDDCSEQLYNLMRR			Carbamidomethyl (C)[7], Oxidation (M)[15]		Mascot

	2230.0776	2230.0432	-0.0344	-15	539	557	CCPPQPREISNLLVMTTDR						Carbamidomethyl (C)[1]	Mascot
	2245.1289	2245.2058	0.0769	34	356	374	DSGWTLFSDFEITHIVIK							Mascot
	2246.0725	2246.0095	-0.063	-28	539	557	CCPPQPREISNLLVMTTDR						Carbamidomethyl (C)[1], Oxidation (M)[15]	Mascot
	2284.1528	2284.1067	-0.0461	-20	850	869	QNPSIQPVPMLEVDPTVF EK						Oxidation (M)[10]	Mascot
	2774.2742	2774.303	0.0288	10	1036	1057	DDLDSPVFWYAPECLIHK KFYR						Carbamidomethyl (C)[14]	Mascot
29	hypothetical protein LOC503885 [Danio rerio]				gi 116235436		43315.1	7.62	3	39	0	32	81.608	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1186.6538	1186.6079	-0.0459	-39	165	174	QDADITVRLR	32	81.608			Mascot
1186.6538	1186.6079	-0.0459	-39	165	174	QDADITVRLR					Mascot
1956.9558	1956.9873	0.0315	16	340	356	TQEFILPICTACDYIAR					Mascot
1956.9558	1956.9873	0.0315	16	340	356	TQEFILPICTACDYIAR					Mascot
2260.063	2260.0181	-0.0449	-20	229	247	AYAKFLDYNEYPTLASC K					Mascot

30	PREDICTED: g2/M phase-specific E3 ubiquitin-protein ligase-like, partial [Danio rerio]				gi 326680912		55309.6	5.35	10	39	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4511	807.3759	-0.0752	-93	465	470	ILGYWR					Mascot
1045.4845	1045.5327	0.0482	46	480	488	GLNIIFYCC					Mascot
1268.6667	1268.5938	-0.0729	-57	37	47	GVKIYIGSMER			Oxidation (M)[9]		Mascot
1325.6843	1325.6156	-0.0687	-52	259	269	EFLTLLMDCLK					Mascot
1448.6395	1448.6653	0.0258	18	1	12	KTETSSVDCFMK			Carbamidomethyl (C)[9], Oxidation (M)[11]		Mascot
1481.7855	1481.6874	-0.0981	-66	258	269	REFLTLLMDCLK					Mascot
1566.6927	1566.7596	0.0669	43	2	14	TETSSVDCFMKFR			Oxidation (M)[10]		Mascot
2233.1035	2233.0234	-0.0801	-36	282	300	FLTFNNAAVREDEYFLAG R					Mascot
2283.2344	2283.082	-0.1524	-67	59	78	RLPLEVETNWTSEQVLIA GK					Mascot
2774.2866	2774.303	0.0164	6	81	104	VKDFNQDMEDGPYVLLY PDGSEVK			Oxidation (M)[8]		Mascot

31	coiled-coil domain-containing protein 46 [Danio rerio]				gi 149773535		79141.3	6.63	5	38	0	29	68.622	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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1045.5524	1045.5327	-0.0197	-19	269	277	KNGEIDELK				Mascot
1186.6613	1186.6079	-0.0534	-45	605	614	QQLMELGVLR	29	68.622		Mascot
1186.6613	1186.6079	-0.0534	-45	605	614	QQLMELGVLR				Mascot
1282.675	1282.6121	-0.0629	-49	532	542	LQTLQTHNAEK				Mascot
1314.7562	1314.7013	-0.0549	-42	604	614	KQQLMELGVLR				Mascot
1410.7699	1410.6642	-0.1057	-75	531	542	KLQTLQTHNAEK				Mascot
1410.7699	1410.6642	-0.1057	-75	531	542	KLQTLQTHNAEK				Mascot

Peptide Information

	1481.6724	1481.6874	0.015	10	2515	2527	MDGASLDETRMQK												Mascot
	1566.8638	1566.7596	-0.1042	-67	509	521	FYLADQLVQRVSK												Mascot
	1582.6472	1582.7546	0.1074	68	5683	5697	AGCDLMESAGEEAR						Carbamidomethyl (C)[3]						Mascot
	1730.8894	1730.7361	-0.1533	-89	4717	4730	EIECLGQRWDALLK						Carbamidomethyl (C)[4]						Mascot
	1847.9895	1847.9242	-0.0653	-35	1443	1458	EQIGEALRTTQLMLTK						Oxidation (M)[13]						Mascot
	1955.9678	1955.996	0.0282	14	5107	5123	TTAQLQAQKSFSMDIMR												Mascot
	1956.9636	1956.9873	0.0237	12	3838	3853	WKHMLAQIDAGWEEVK						Oxidation (M)[4]						Mascot
	1956.9636	1956.9873	0.0237	12	3838	3853	WKHMLAQIDAGWEEVK						Oxidation (M)[4]						Mascot
	2117.0161	2117.115	0.0989	47	326	341	WVEYQNMVNYLSQWIK						Oxidation (M)[7]						Mascot
	2117.0178	2117.115	0.0972	46	863	880	SSSLHRLLEDLIQESMDEK												Mascot
	2138.9441	2139.0923	0.1482	69	5683	5702	AGCDLMESAGEEARGLQNK						Carbamidomethyl (C)[3], Oxidation (M)[6]						Mascot
	2211.1301	2211.0413	-0.0888	-40	6571	6590	STVMVRVGGGWALDEFLVK						Oxidation (M)[4]						Mascot
	2225.1548	2225.0564	-0.0984	-44	5419	5438	DTQELLKELEPGVDPSVVK												Mascot
	2245.1204	2245.2058	0.0854	38	6225	6245	ATSMGEAILSICHPDSITTIK						Carbamidomethyl (C)[12]						Mascot
	2745.4451	2745.2874	-0.1577	-57	1778	1802	ARLTVDEAVQCGLISSSSALLVLER						Carbamidomethyl (C)[11]						Mascot
	2761.4229	2761.2861	-0.1368	-50	5370	5392	AVQDKLDQMVFLLWTDIQALLEER												Mascot
	2774.4604	2774.303	-0.1574	-57	1780	1804	LTVDEAVQCGLISSSSALLVLERQK						Carbamidomethyl (C)[9]						Mascot
	2775.2158	2775.2974	0.0816	29	1048	1071	DSESEVFTMADCAQLEKEVLACK						Carbamidomethyl (C)[13,23]						Mascot
	2775.2158	2775.2974	0.0816	29	1048	1071	DSESEVFTMADCAQLEKEVLACK						Carbamidomethyl (C)[13,23]						Mascot
	2790.4026	2790.3132	-0.0894	-32	5396	5418	LLDVMDLAEKFWCDHICALIVTIK						Carbamidomethyl (C)[13,16]						Mascot
	2791.2107	2791.2983	0.0876	31	1048	1071	DSESEVFTMADCAQLEKEVLACK						Carbamidomethyl (C)[13,23], Oxidation (M)[10]						Mascot
	2791.2107	2791.2983	0.0876	31	1048	1071	DSESEVFTMADCAQLEKEVLACK						Carbamidomethyl (C)[13,23], Oxidation (M)[10]						Mascot
33	Unknown (protein for IMAGE:8129958) [Danio rerio]				gi 112418958		20963.9	8.4	1	36	0	32	81.608						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1186.6538	1186.6079	-0.0459	-39	165	174	QDADITVRLR	32	81.608					Mascot
1186.6538	1186.6079	-0.0459	-39	165	174	QDADITVRLR							Mascot

34 PREDICTED: zinc finger protein 91 [Danio rerio] gi|326678135 96401.5 9.32 18 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
961.4416	961.5016	0.06	62	486	493	HVCLMCQK							Mascot

	1062.5439	1062.4702	-0.0737	-69	64	72	THTGERPHK										Mascot
	1078.5925	1078.4645	-0.128	-119	252	261	LAVMTSALTR						Oxidation (M)[4]				Mascot
	1155.613	1155.5026	-0.1104	-96	144	153	AHQHIHTGVR										Mascot
	1314.7052	1314.7013	-0.0039	-3	783	793	ETFIYSASLKR										Mascot
	1730.7836	1730.7361	-0.0475	-27	73	87	CDQCGKTFSSISSEL						Carbamidomethyl (C)[1]				Mascot
	1885.8795	1885.9022	0.0227	12	423	437	IHTGEKPFKCSHCER						Carbamidomethyl (C)[10,13]				Mascot
	2116.9426	2117.115	0.1724	81	6	22	DYPTILEDRFNCTQCGK						Carbamidomethyl (C)[12,15]				Mascot
	2116.9763	2117.115	0.1387	66	794	811	HQRTHTGGKPYTCTQCGK						Carbamidomethyl (C)[13,16]				Mascot
	2211.1067	2211.0413	-0.0654	-30	135	153	GFSHQSHFKAHQHIHTGVR										Mascot
	2224.8628	2225.0564	0.1936	87	598	615	HMMIHNEENPHECDQCGK						Carbamidomethyl (C)[13], Oxidation (M)[2]				Mascot
	2230.0239	2230.0432	0.0193	9	89	106	HLRVHTNERPYSCSECK						Carbamidomethyl (C)[13,16]				Mascot
	2245.064	2245.2058	0.1418	63	116	134	QHERIHTGEKPFVCFECK										Mascot
	2245.99	2246.0095	0.0195	9	391	409	THEMTHTGERPFVCAQCGK						Carbamidomethyl (C)[14,17]				Mascot
	2276.0232	2276.0137	-0.0095	-4	32	50	FHMMIHTGEKPFKCSHC										Mascot
	2281.884	2282.0215	0.1375	60	598	615	HMMIHNEENPHECDQCGK						Carbamidomethyl (C)[13,16], Oxidation (M)[2]				Mascot
	2283.2061	2283.082	-0.1241	-54	232	251	IHTMENTNVIRALCGAILTR						Carbamidomethyl (C)[14]				Mascot
	2297.8792	2298.0588	0.1796	78	598	615	HMMIHNEENPHECDQCGK						Carbamidomethyl (C)[13,16], Oxidation (M)[2,3]				Mascot
	2775.3123	2775.2974	-0.0149	-5	565	587	NNLTIHMRIHTGEKPYTC						Carbamidomethyl (C)[18,21], Oxidation (M)[7]				Mascot
	2775.3123	2775.2974	-0.0149	-5	565	587	NNLTIHMRIHTGEKPYTC						Carbamidomethyl (C)[18,21], Oxidation (M)[7]				Mascot
	2791.2498	2791.2983	0.0485	17	391	414	THEMTHTGERPFVCAQCGKSYSHK						Carbamidomethyl (C)[14]				Mascot
	2791.2498	2791.2983	0.0485	17	391	414	THEMTHTGERPFVCAQCGKSYSHK						Carbamidomethyl (C)[14]				Mascot
35	myeloid/lymphoid or mixed-lineage leukemia protein [Danio rerio]					gi 86129850	127802.9	8.91	18	34	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.4392	807.3759	-0.0633	-78	459	465	KANSMLK			Oxidation (M)[5]		Mascot
961.4594	961.5016	0.0422	44	276	284	GNLCPLCNK					Mascot
1077.5048	1077.5311	0.0263	24	846	854	HPSFPPCHR					Mascot
1093.5646	1093.5104	-0.0542	-50	234	242	VWVCTKCVR					Mascot
1169.5771	1169.5792	0.0021	2	755	764	LFPVGYQCSR					Mascot
1169.5771	1169.5792	0.0021	2	755	764	LFPVGYQCSR					Mascot
1221.5714	1221.6132	0.0418	34	204	212	QLLECDKCR			Carbamidomethyl (C)[5,8]		Mascot

1298.6448	1298.6073	-0.0375	-29	894	905	HSTSSISAQQPR						Mascot
1426.726	1426.6582	-0.0678	-48	683	693	VYCQHHKDLVK				Carbamidomethyl (C)[3]		Mascot
1426.726	1426.6582	-0.0678	-48	683	693	VYCQHHKDLVK				Carbamidomethyl (C)[3]		Mascot
1582.8986	1582.7546	-0.144	-91	782	795	ILVCRPPLSETLNK						Mascot
1708.7992	1708.7563	-0.0429	-25	1056	1071	ANPNKEGNMTSMAALK				Oxidation (M)[9,12]		Mascot
1708.7992	1708.7563	-0.0429	-25	1056	1071	ANPNKEGNMTSMAALK				Oxidation (M)[9,12]		Mascot
1863.9559	1863.9189	-0.037	-20	443	459	IIQTAFNSDGGQLESRK						Mascot
1956.0518	1955.996	-0.0558	-29	780	795	CRILVCRPPLSETLNK				Carbamidomethyl (C)[1,6]		Mascot
1957.0978	1956.9873	-0.1105	-56	356	372	QVLTALFNSRTSTHLLR						Mascot
1957.0978	1956.9873	-0.1105	-56	356	372	QVLTALFNSRTSTHLLR						Mascot
2116.8845	2117.115	0.2305	109	583	600	QCALCLNYGDEKTNDG R	0	0		Carbamidomethyl (C)[2,5]		Mascot
2116.8845	2117.115	0.2305	109	583	600	QCALCLNYGDEKTNDG R				Carbamidomethyl (C)[2,5]		Mascot
2233.093	2233.0234	-0.0696	-31	213	231	NSYHPECLGPNHPTRPT KK				Carbamidomethyl (C)[7]		Mascot
2245.0627	2245.2058	0.1431	64	1033	1053	DNDLPAGATFMSSHPLA MLPK				Oxidation (M)[11,18]		Mascot
2245.8794	2246.0095	0.1301	58	276	294	GNLCPLCNKGYDDDCD SK				Carbamidomethyl (C)[4,7,16]		Mascot
2275.9761	2276.0137	0.0376	17	254	272	AWDAQWSHDFSLCHDC AKR						Mascot

36 Zgc:152732 protein [Danio rerio] gi|53734123 33465.3 9.09 7 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1062.5287	1062.4702	-0.0585	-55	233	241	TIRNDN SSR					Mascot
1465.7784	1465.6823	-0.0961	-66	256	268	LASADIETYLLEK					Mascot
1582.7457	1582.7546	0.0089	6	36	48	ECFVPDAIEEFVK			Carbamidomethyl (C)[2]		Mascot
1708.9116	1708.7563	-0.1553	-91	256	270	LASADIETYLLEKSR					Mascot
1708.9116	1708.7563	-0.1553	-91	256	270	LASADIETYLLEKSR					Mascot
2139.0791	2139.0923	0.0132	6	36	54	ECFVPDAIEEFVKATVVS R					Mascot
2727.2832	2727.2981	0.0149	5	147	169	RTEAPPHIYSISDNAYQY MLADR			Oxidation (M)[19]		Mascot
2775.3308	2775.2974	-0.0334	-12	107	129	ERYAAWMIYTYSGLFCVT VNPYK					Mascot
2775.3308	2775.2974	-0.0334	-12	107	129	ERYAAWMIYTYSGLFCVT VNPYK					Mascot
2791.3257	2791.2983	-0.0274	-10	107	129	ERYAAWMIYTYSGLFCVT VNPYK			Oxidation (M)[7]		Mascot
2791.3257	2791.2983	-0.0274	-10	107	129	ERYAAWMIYTYSGLFCVT VNPYK			Oxidation (M)[7]		Mascot

37 PREDICTED: legumain-like [Danio rerio] gi|125832132 33877.4 5.2 8 33 0

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
38	961.4836	961.5016	0.018	19	2	9	EVVKEDDK				Mascot
	1093.5524	1093.5104	-0.042	-38	112	121	SVPLDYTGNK				Mascot
	1181.4449	1181.5582	0.1133	96	271	281	DDSCPCEIGDK				Mascot
	1332.7198	1332.6376	-0.0822	-62	258	268	ATFSKLFDYIK				Mascot
	1414.8668	1414.7742	-0.0926	-65	282	293	EIPKLLISNFLK				Mascot
	1448.6886	1448.6653	-0.0233	-16	10	21	VVRCCSQPNTWR				Mascot
	1725.855	1725.8	-0.055	-32	286	301	LLISNFLKLEGCDCA				Mascot
	2282.0618	2282.0215	-0.0403	-18	206	226	GLYTNIHVYGVASCDSANQNR				Mascot
38	asparagine synthetase [Danio rerio]				gi 46195775	63956.4	6.11	10	33	0	

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type	
1078.4808	1078.4645	-0.0163	-15	203	211	FHCCTDKPK					Mascot	
1153.5735	1153.5214	-0.0521	-45	467	477	EAFSDGLTSVK					Mascot	
1284.6543	1284.592	-0.0623	-48	379	391	APSPKAGAEDSVR					Mascot	
1410.7448	1410.6642	-0.0806	-57	404	416	ADRTTAAHGLELR					Mascot	
1410.7448	1410.6642	-0.0806	-57	404	416	ADRTTAAHGLELR					Mascot	
1847.8315	1847.9242	0.0927	50	203	217	FHCCTDKPKHADFNK			Carbamidomethyl (C)[3]		Mascot	
2230.0789	2230.0432	-0.0357	-16	67	83	FPYLWLCYNGEIYNHIK			Carbamidomethyl (C)[7]		Mascot	
2283.136	2283.082	-0.054	-24	148	168	MLTDDGFLAVCSEGKLTQIK			Carbamidomethyl (C)[11]		Mascot	
2284.1829	2284.1067	-0.0762	-33	113	132	MCSLLDGVFAFILLDTANRK			Carbamidomethyl (C)[2]		Mascot	
2298.3464	2298.0588	-0.2876	-125	252	274	IGCLLSGGLDSSLVAALLVKLAK			Carbamidomethyl (C)[3]		Mascot	
2790.3589	2790.3132	-0.0457	-16	138	162	DTYGVRLFRMLTDDGFLAVCSEGK					Mascot	
39	PREDICTED: zinc finger protein 658B-like [Danio rerio]				gi 189517772	35183.6	9.63	9	33	0	10	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1062.6055	1062.4702	-0.1353	-127	256	264	RFSQLGNLK				Mascot
1123.5854	1123.5077	-0.0777	-69	60	69	SFRASSNLNK	10	0		Mascot
1123.5854	1123.5077	-0.0777	-69	60	69	SFRASSNLNK				Mascot
1181.5402	1181.5582	0.018	15	22	31	ERVTCTQCGK			Carbamidomethyl (C)[5]	Mascot

	1284.5823	1284.592	0.0097	8	82	91	CDQCGKTFLR		Carbamidomethyl (C)[1,4]	Mascot	
	1314.5817	1314.7013	0.1196	91	105	115	EKPYSQSVCGK		Carbamidomethyl (C)[6,9]	Mascot	
	1414.6494	1414.7742	0.1248	88	129	140	IHTGVSEYMCFK			Mascot	
	1847.8125	1847.9242	0.1117	60	129	143	IHTGVSEYMCFKCEK		Carbamidomethyl (C)[10], Oxidation (M)[9]	Mascot	
	2245.0488	2245.2058	0.157	70	265	283	IHERIHTGENSFTCEQCL K			Mascot	
	2761.3547	2761.2861	-0.0686	-25	213	236	IHTGEKPYICSHCNKSFS QLGNLK		Carbamidomethyl (C)[10]	Mascot	
40	MHC class II-associated invariant chain [Danio rerio]					gi 4580926	25898.9	8.43	8	33	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1325.6808	1325.6156	-0.0652	-49	62	73	QHINALTSGQEK					Mascot
1426.6333	1426.6582	0.0249	17	102	114	DYSDPTSDQTAVK					Mascot
1426.6333	1426.6582	0.0249	17	102	114	DYSDPTSDQTAVK					Mascot
1448.6881	1448.6653	-0.0228	-16	142	152	LMPKMMHLPMR			Oxidation (M)[2,5,6,10]		Mascot
1464.726	1464.6581	-0.0679	-46	89	101	AMSLPMNSMPLLK			Oxidation (M)[2,6]		Mascot
1465.703	1465.6823	-0.0207	-14	2	13	EPDHQNESLIQR					Mascot
1566.8599	1566.7596	-0.1003	-64	62	75	QHINALTSGQEKLK					Mascot
2139.0317	2139.0923	0.0606	28	82	101	MSAGAPKAMSLPMNSM PLLK			Oxidation (M)[1,9,13,16]		Mascot
2791.5249	2791.2983	-0.2266	-81	36	61	ITGLTVLACLLLAGQALTA YMWGQK			Carbamidomethyl (C)[9]		Mascot
2791.5249	2791.2983	-0.2266	-81	36	61	ITGLTVLACLLLAGQALTA YMWGQK			Carbamidomethyl (C)[9]		Mascot

41	invariant chain-like protein 1 [Danio rerio]					gi 18858881	26214	8.12	8	33	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1325.6808	1325.6156	-0.0652	-49	62	73	QHINALTSGQEK					Mascot
1426.6333	1426.6582	0.0249	17	102	114	DYSDPTSDQTAVK					Mascot
1426.6333	1426.6582	0.0249	17	102	114	DYSDPTSDQTAVK					Mascot
1448.6881	1448.6653	-0.0228	-16	142	152	LMPKMMHLPMR			Oxidation (M)[2,5,6,10]		Mascot
1464.726	1464.6581	-0.0679	-46	89	101	AMSLPMNSMPLLK			Oxidation (M)[2,6]		Mascot
1465.703	1465.6823	-0.0207	-14	2	13	EPDHQNESLIQR					Mascot
1566.8599	1566.7596	-0.1003	-64	62	75	QHINALTSGQEKLK					Mascot
2139.0317	2139.0923	0.0606	28	82	101	MSAGAPKAMSLPMNSM PLLK			Oxidation (M)[1,9,13,16]		Mascot
2791.5249	2791.2983	-0.2266	-81	36	61	ITGLTVLACLLLAGQALTA YMWGQK			Carbamidomethyl (C)[9]		Mascot

[illegible]

1045.5272	1045.5327	0.0055	5	2836	2843	LVEDEERR			Mascot
1078.5527	1078.4645	-0.0882	-82	4590	4598	WVKQSSSEK			Mascot
1153.5558	1153.5214	-0.0344	-30	3112	3120	MDLEKPNYK	Oxidation (M)[1]		Mascot
1155.5681	1155.5026	-0.0655	-57	3488	3496	WEKTSETFK			Mascot
1169.7188	1169.5792	-0.1396	-119	2753	2762	AMRLRLPSLR			Mascot
1169.7188	1169.5792	-0.1396	-119	2753	2762	AMRLRLPSLR	13	0	Mascot
1186.6565	1186.6079	-0.0486	-41	846	855	VDDLLEIEK			Mascot
1186.6565	1186.6079	-0.0486	-41	846	855	VDDLLEIEK			Mascot
1221.6262	1221.6132	-0.013	-11	1489	1498	GWDDLFNKVK			Mascot
1268.5286	1268.5938	0.0652	51	540	550	EGMEAWAAMK	Oxidation (M)[3]		Mascot
1284.5234	1284.592	0.0686	53	540	550	EGMEAWAAMK	Oxidation (M)[3,10]		Mascot
1298.6587	1298.6073	-0.0514	-40	611	621	VKDIESLHDK			Mascot
1309.6899	1309.6371	-0.0528	-40	1181	1190	QFEKQVDLFR			Mascot
1325.6736	1325.6156	-0.058	-44	835	845	LAETVFNFQEK			Mascot
1410.6246	1410.6642	0.0396	28	4271	4282	LFTCSSFDSEFK			Mascot
1410.6246	1410.6642	0.0396	28	4271	4282	LFTCSSFDSEFK			Mascot
1448.7137	1448.6653	-0.0484	-33	2442	2452	MEHIMDFTRLR			Mascot
1464.7086	1464.6581	-0.0505	-34	2442	2452	MEHIMDFTRLR	Oxidation (M)[1]		Mascot
1708.8839	1708.7563	-0.1276	-75	3394	3407	WAIAQLNYADMLKR	Oxidation (M)[11]		Mascot
1708.8839	1708.7563	-0.1276	-75	3394	3407	WAIAQLNYADMLKR	Oxidation (M)[11]		Mascot
2138.9673	2139.0923	0.125	58	1926	1943	FVLVFNCDTDFQAMG R			Mascot
2210.9944	2211.0413	0.0469	21	531	550	EVDGLDVSKEGMEAWEA AMK	Oxidation (M)[12]		Mascot
2230.1689	2230.0432	-0.1257	-56	2943	2961	TTLRSRFVAMNGLSVYQI K	Oxidation (M)[10]		Mascot
2233.0627	2233.0234	-0.0393	-18	3561	3580	WQANSLPADDLCTENAI MLK			Mascot
2245.0449	2245.2058	0.1609	72	862	879	SLETCTMYEHKMFTEILNR			Mascot
2282.1638	2282.0215	-0.1423	-62	3121	3139	VPDYMPIVYDKLPQPPTH R	Oxidation (M)[5]		Mascot
2283.1624	2283.082	-0.0804	-35	2004	2024	QVKVSAEMAIFITMNPY AGR			Mascot
2284.2561	2284.1067	-0.1494	-65	4504	4523	NIHVNLGRFLVPEAYITAT R			Mascot
2727.3083	2727.2981	-0.0102	-4	3682	3704	DPTVEFPDLCSRETQVN FTVTR	Carbamidomethyl (C)[11]		Mascot
2745.291	2745.2874	-0.0036	-1	1944	1966	IFVGLCQVGAWGCFDEF NRLEER	Carbamidomethyl (C)[6]		Mascot
2775.2727	2775.2974	0.0247	9	2358	2380	CGMVWFSEDLVSTDMIF NHFLAR	Carbamidomethyl (C)[1]		Mascot
2775.2727	2775.2974	0.0247	9	2358	2380	CGMVWFSEDLVSTDMIF NHFLAR	Carbamidomethyl (C)[1]		Mascot
2790.4395	2790.3132	-0.1263	-45	3052	3075	WFTSQVIRNLHVFTMNP SSEGLK			Mascot
2791.2676	2791.2983	0.0307	11	2358	2380	CGMVWFSEDLVSTDMIF	Carbamidomethyl (C)[1], Oxidation (M)[3]		Mascot

	2791.2676	2791.2983	0.0307	11	2358	2380	NHFLAR CGMVWFSEDLSTDMIF NHFLAR					Carbamidomethyl (C)[1], Oxidation (M)[3]	Mascot
45	PREDICTED: hypothetical protein LOC569848 [Danio rerio]					gi 326678298	44982.2	6.29	8	32	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1123.6106	1123.5077	-0.1029	-92	350	359	VISRGEATYK					Mascot
1123.6106	1123.5077	-0.1029	-92	350	359	VISRGEATYK					Mascot
1282.6381	1282.6121	-0.026	-20	270	281	MIVSCGESVTLK			Oxidation (M)[1]		Mascot
1325.6484	1325.6156	-0.0328	-25	312	321	EITYPDERFR					Mascot
1410.7699	1410.6642	-0.1057	-75	168	179	IHTAERENVTLK					Mascot
1410.7699	1410.6642	-0.1057	-75	168	179	IHTAERENVTLK					Mascot
1448.7056	1448.6653	-0.0403	-28	255	266	ETSNFNFSVYIK					Mascot
1708.8972	1708.7563	-0.1409	-82	81	95	LMLKETGSLTINNMK			Oxidation (M)[2]		Mascot
1708.8972	1708.7563	-0.1409	-82	81	95	LMLKETGSLTINNMK			Oxidation (M)[2]		Mascot
1725.8397	1725.8	-0.0397	-23	267	281	EEKMIVSCGESVTLK			Carbamidomethyl (C)[8], Oxidation (M)[4]		Mascot
2775.3406	2775.2974	-0.0432	-16	289	311	EDEVQWLFHIENDLIAKM TGNTR			Oxidation (M)[18]		Mascot
2775.3406	2775.2974	-0.0432	-16	289	311	EDEVQWLFHIENDLIAKM TGNTR			Oxidation (M)[18]		Mascot

46	PREDICTED: sickle tail protein homolog [Danio rerio]					gi 292610753	206402.5	8.61	1	31	80.156	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1426.7438	1426.6582	-0.0856	-60	1098	1110	RFYPSATGLTTGR	31	80.156		1	Mascot

47	PREDICTED: hypothetical protein LOC100331676 [Danio rerio]					gi 292611776	26950	4.93	1	24	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1186.6613	1186.6079	-0.0534	-45	62	72	KMLAAESAPIR	24	0		4	Mascot

48	PREDICTED: coiled-coil domain-containing protein 80 [Danio rerio]					gi 125847898	79236.2	9.47	1	18	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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		1186.6538	1186.6079	-0.0459	-39	450	459	NSELIGEIRR	19	0			5	Mascot
49	phospholipase A1 member A precursor [Danio rerio]	gi 46309481	50443.2	6.09	1				16	0				
Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type		
		1708.728	1708.7563	0.0283	17	253	266	FASMYGYVICDHMR	16	0	Oxidation (M)[13]	3	Mascot	
50	bolA-like protein 3 [Danio rerio]	gi 57525996	11715.2	9.56	1				16	0				
Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type		
		1169.6096	1169.5792	-0.0304	-26	87	96	DEIKAMHGLR	16	0		1	Mascot	

Gel Idx/Pos	209/19	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %			
1	Sjogren syndrome antigen B (autoantigen La) [Danio rerio]	gi 41054695	46109.5	6.68	20	522	100	392	100			
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	837.4253	837.4025	-0.0228	-27	258	263 WIDFTR		33	86.22			Mascot
	837.4253	837.4025	-0.0228	-27	258	263 WIDFTR						Mascot
	999.5693	999.5469	-0.0224	-22	377	384 KRPLESNR						Mascot
	1081.5272	1081.4974	-0.0298	-28	234	243 FSGELGQTSR						Mascot
	1092.5684	1092.538	-0.0304	-28	163	171 AFVERDDIK						Mascot
	1112.5735	1112.5427	-0.0308	-28	132	140 GTFENIYLR		64	99.99			Mascot
	1112.5735	1112.5427	-0.0308	-28	132	140 GTFENIYLR						Mascot
	1216.6321	1216.6155	-0.0166	-14	267	277 EGTILFHSNAK						Mascot
	1319.7053	1319.5454	-0.1599	-121	72	83 SKTGLLEISEDK						Mascot
	1464.7581	1464.7155	-0.0426	-29	149	162 GSIFAVLETEEAAK						Mascot
	1472.7704	1472.7291	-0.0413	-28	316	327 IIEDQQESINKR						Mascot
	1633.8894	1633.8428	-0.0466	-29	57	71 SLTSEESVIVESLLK						Mascot
	1659.7761	1659.7399	-0.0362	-22	244	257 EDFHSVFSHQAQIK						Mascot

1659.7761	1659.7399	-0.0362	-22	244	257	EDFHSVFSDHAQIK	79	100		Mascot
1714.8031	1714.7578	-0.0453	-26	89	102	DPNKPLPENNEEYR				Mascot
1777.8322	1777.8333	0.0011	1	175	189	GNEMIVMMKDAYFTK				Mascot
1870.9042	1870.8503	-0.0539	-29	88	102	RDPNKPLPENNEEYR				Mascot
1950.9344	1950.8762	-0.0582	-30	14	29	VAEQIEYYFGDHNLP	92	100		Mascot
1950.9344	1950.8762	-0.0582	-30	14	29	VAEQIEYYFGDHNLP				Mascot
2031.0104	2030.9534	-0.057	-28	35	51	EQLQLDDGWVPLETMLK			Oxidation (M)[15]	Mascot
2077.0488	2076.991	-0.0578	-28	114	131	GFPLETTLDDVKEWLAD K				Mascot
2079.0293	2078.9702	-0.0591	-28	13	29	KVAEQIEYYFGDHNLP	59	99.965		Mascot
2079.0293	2078.9702	-0.0591	-28	13	29	KVAEQIEYYFGDHNLP				Mascot
2142.0461	2141.989	-0.0571	-27	89	106	DPNKPLPENNEEYRDAL K	65	99.993		Mascot
2142.0461	2141.989	-0.0571	-27	89	106	DPNKPLPENNEEYRDAL K				Mascot
2247.085	2247.0405	-0.0445	-20	296	314	EQAVQWEILEGDVEMET LK				Mascot
2	keratin 18 [Danio rerio]				gi 29335504	41247.4	5.07	11	46	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4461	864.4699	0.0238	28	315	322	LLDGGDFK					Mascot
882.4753	882.5418	0.0665	75	188	194	YEKMALK					Mascot
996.4996	996.5699	0.0703	71	100	107	YESELSIR					Mascot
1034.5629	1034.498	-0.0649	-63	91	99	LAADDFRVK					Mascot
1045.4697	1045.5347	0.065	62	52	60	GPDVHDYSR					Mascot
1092.4926	1092.538	0.0454	42	14	22	MAMQNLNDR					Mascot
1158.6113	1158.5647	-0.0466	-40	108	118	QGVEADITGLR					Mascot
1418.6945	1418.7217	0.0272	19	174	185	GQDLSQIMEEIR					Mascot
1464.7111	1464.7155	0.0044	3	250	262	GSLEGTLRDTEM					Mascot
1633.8214	1633.8428	0.0214	13	174	187	GQDLSQIMEEIRAK			Oxidation (M)[8]		Mascot
1714.9333	1714.7578	-0.1755	-102	233	246	RQIQTLIELESQK					Mascot

3	keratin, type I cytoskeletal 18 [Danio rerio]				gi 30410758	48573.1	5.53	11	44	0		
Peptide Information												
Calc. Mass		Obsrv. Mass		± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
864.4461		864.4699		0.0238	28	387	394	LLDGGDFK				Mascot
882.4753		882.5418		0.0665	75	260	266	YEKMALK				Mascot

4	RecName: Full=Keratin, type I cytoskeletal 18; AltName: Full=Cytokeratin-18; Short=CK-18; AltName:	gij148886613	48601.1	5.53	11	44	0
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4461	864.4699	0.0238	28	387	394	LLDGGDFK					Mascot
882.4753	882.5418	0.0665	75	260	266	YEKMALK					Mascot
996.4996	996.5699	0.0703	71	172	179	YESELSIR					Mascot
1034.5629	1034.498	-0.0649	-63	163	171	LAADDFRVK					Mascot
1045.4697	1045.5347	0.065	62	124	132	GPDVHDYSR					Mascot
1092.4926	1092.538	0.0454	42	86	94	MAMQNLNDR					Mascot
1158.6113	1158.5647	-0.0466	-40	180	190	QGV EADITGLR					Mascot
1418.6945	1418.7217	0.0272	19	246	257	GQDLSQIMEEIR					Mascot
1464.7111	1464.7155	0.0044	3	322	334	GSLEGLTRDTEMR					Mascot
1633.8214	1633.8428	0.0214	13	246	259	GQDLSQIMEEIRAK			Oxidation (M)[8]		Mascot
1714.9333	1714.7578	-0.1755	-102	305	318	RQIQTL EIELESQK					Mascot

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
997.4836	997.5798	0.0962	96	511	519	LTDGSFTEK					Mascot
1003.524	1003.4822	-0.0418	-42	943	951	MESTGLPLR					Mascot
1165.6212	1165.7117	0.0905	78	558	567	GSLRYVLDDK					Mascot
1165.6212	1165.7117	0.0905	78	558	567	GSLRYVLDDK					Mascot
1319.5573	1319.5454	-0.0119	-9	965	974	TDCKFEYEER					Mascot
1464.7297	1464.7155	-0.0142	-10	608	620	STNCVVDNRMVVK					Mascot

1503.6896	1503.7736	0.084	56	930	942	YCLFGDVTNTASR	Carbamidomethyl (C)[2]	Mascot
1658.8068	1658.7775	-0.0293	-18	591	605	GMSYLHTSNIAVHGR	Oxidation (M)[2]	Mascot
1659.8756	1659.7399	-0.1357	-82	5	17	IWLFCFSWAFLK		Mascot
1659.8756	1659.7399	-0.1357	-82	5	17	IWLFCFSWAFLK		Mascot
1701.8815	1701.8567	-0.0248	-15	783	797	ADCLNFMLLPGPVVR	Carbamidomethyl (C)[3]	Mascot
1777.781	1777.8333	0.0523	29	743	756	DNQEHESYMENLIR		Mascot
1931.983	1931.9087	-0.0743	-38	781	797	DRADCLNFMLLPGPVVR	Oxidation (M)[9]	Mascot
1951.0569	1950.8762	-0.1807	-93	522	537	IELNTLLKIDYCNLTk	Carbamidomethyl (C)[12]	Mascot
1951.0569	1950.8762	-0.1807	-93	522	537	IELNTLLKIDYCNLTk	Carbamidomethyl (C)[12]	Mascot
2078.9158	2078.9702	0.0544	26	333	350	SGSLDIQDMESVSMNYF R		Mascot
2078.9158	2078.9702	0.0544	26	333	350	SGSLDIQDMESVSMNYF R		Mascot
2225.1074	2225.0566	-0.0508	-23	1	17	MDYRIWLFVCFWAFLK		Mascot
2225.1074	2225.0566	-0.0508	-23	1	17	MDYRIWLFVCFWAFLK		Mascot
2233.0667	2233.0229	-0.0438	-20	739	756	IVSRDNQEHESYMENLIR		Mascot
2298.1238	2298.1064	-0.0174	-8	1	17	MDYRIWLFVCFWAFLK	Carbamidomethyl (C)[10], Oxidation (M)[1]	Mascot
2298.1238	2298.1064	-0.0174	-8	1	17	MDYRIWLFVCFWAFLK	Carbamidomethyl (C)[10], Oxidation (M)[1]	Mascot

6 PREDICTED: dual oxidase 1, partial [Danio rerio] gi|326680379 162265.6 7.47 18 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4273	850.5184	0.0911	107	1066	1072	NLITMCR					Mascot
870.4144	870.5179	0.1035	119	497	502	FWFENK					Mascot
996.5182	996.5699	0.0517	52	1420	1427	FDLRTTML					Mascot
997.5213	997.5798	0.0585	59	996	1002	FIENYRR					Mascot
1034.588	1034.498	-0.09	-87	786	795	AEFASVLGLK					Mascot
1092.5684	1092.538	-0.0304	-28	1305	1313	LREAYSPEK					Mascot
1216.6909	1216.6155	-0.0754	-62	972	980	LYVRPQER					Mascot
1245.5754	1245.5614	-0.014	-11	100	110	AGCPPEFMHIK			Oxidation (M)[8]		Mascot
1319.6736	1319.5454	-0.1282	-97	775	785	TREALQCELTR					Mascot
1418.8154	1418.7217	-0.0937	-66	314	326	FGLTLAPPGVYKR					Mascot
1633.8214	1633.8428	0.0214	13	62	77	ISTTAMSGQSGLLSHK			Oxidation (M)[6]		Mascot
1659.8199	1659.7399	-0.08	-48	38	51	LYPAQYMDGVYLAR					Mascot
1659.8199	1659.7399	-0.08	-48	38	51	LYPAQYMDGVYLAR					Mascot
1755.9058	1755.9912	0.0854	49	906	921	DHSAQLNIKGMEVLGK			Oxidation (M)[11]		Mascot
1767.8601	1767.8215	-0.0386	-22	893	905	DRFSWEDFHLLR					Mascot

	1777.9482	1777.8333	-0.1149	-65	839	854	LLFSTHDIKGDGFLSK							Mascot
	2211.075	2211.0422	-0.0328	-15	381	398	EDNIIVEDLRDYMGPLR							Mascot
	2297.1169	2297.1257	0.0088	4	621	641	HKEPAHGTTASEWLGHN TAPR							Mascot
	2381.1423	2380.958	-0.1843	-77	1129	1147	VFSNNGSELPMKWTFWF FK				Oxidation (M)[11]			Mascot
7	ribosome production factor 2 homolog [Danio rerio]				gi 47550781	35438.5	10	10	42	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
837.4689	837.4025	-0.0664	-79	238	244	TAHRQPK					Mascot
837.4689	837.4025	-0.0664	-79	238	244	TAHRQPK					Mascot
850.5396	850.5184	-0.0212	-25	197	203	SYKVLLK					Mascot
856.4523	856.5021	0.0498	58	2	9	SHTDGIVK					Mascot
1003.4877	1003.4822	-0.0055	-5	1	9	MSHTDGIVK			Oxidation (M)[1]		Mascot
1245.6334	1245.5614	-0.072	-58	252	262	KNISHDAFGTR					Mascot
1319.6339	1319.5454	-0.0885	-67	227	237	RNHTASDDLK					Mascot
1734.9537	1734.8041	-0.1496	-86	177	192	LAGLEHVLHFTALEGK					Mascot
2247.2607	2247.0405	-0.2202	-98	172	192	VSAVRLAGLEHVLHFTAL EGK					Mascot
2283.0784	2283.1147	0.0363	16	135	154	CPEGTKPMLVFAGDLFE TDR			Carbamidomethyl (C)[1]		Mascot
2283.0784	2283.1147	0.0363	16	135	154	CPEGTKPMLVFAGDLFE TDR			Carbamidomethyl (C)[1]		Mascot
2298.2427	2298.1064	-0.1363	-59	177	196	LAGLEHVLHFTALEGKIY MR					Mascot
2298.2427	2298.1064	-0.1363	-59	177	196	LAGLEHVLHFTALEGKIY MR					Mascot
2299.0732	2299.1038	0.0306	13	135	154	CPEGTKPMLVFAGDLFE TDR			Carbamidomethyl (C)[1], Oxidation (M)[8]		Mascot

8	PREDICTED: myosin heavy chain, fast skeletal muscle [Danio rerio]				gi 326668722	222281	5.69	21	40	0				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4338	850.5184	0.0846	99	859	865	MKEDLAK			Oxidation (M)[1]		Mascot
1003.4942	1003.4822	-0.012	-12	1580	1587	DEEIEQIK					Mascot
1081.5686	1081.4974	-0.0712	-66	435	442	MFLWMVVR					Mascot
1158.6226	1158.5647	-0.0579	-50	1690	1699	VALEQTERGR					Mascot
1245.6572	1245.5614	-0.0958	-77	953	963	DIDDLETLAK					Mascot
1503.7649	1503.7736	0.0087	6	169	183	ENQSILITGESGAGK					Mascot
1613.7034	1613.682	-0.0214	-13	1226	1240	MEVDDVSSSMEAVAK			Oxidation (M)[1]		Mascot

1659.8911	1659.7399	-0.1512	-91	1290	1303	QLEEKESLVSQLTR							Mascot
1659.8911	1659.7399	-0.1512	-91	1290	1303	QLEEKESLVSQLTR							Mascot
1687.8699	1687.9005	0.0306	18	430	442	SVYEKMFLWMVVR							Mascot
1755.8694	1755.9912	0.1218	69	1792	1806	DLQHRLDEAESLAMK							Mascot
1767.9574	1767.8215	-0.1359	-77	680	694	TPGLMENFLVIHQLR							Mascot
1777.8385	1777.8333	-0.0052	-3	1280	1294	LQTENGEMGRQLEEK				Oxidation (M)[8]			Mascot
1950.9478	1950.8762	-0.0716	-37	1484	1499	MKNSYEETLDHLETLK							Mascot
1950.9478	1950.8762	-0.0716	-37	1484	1499	MKNSYEETLDHLETLK							Mascot
2079.0134	2078.9702	-0.0432	-21	1589	1606	NSQRIIDSMQSTLDAEVR				Oxidation (M)[9]			Mascot
2079.0149	2078.9702	-0.0447	-22	1327	1344	NSLAHAVQSSRHCDLL R				Carbamidomethyl (C)[14]			Mascot
2142.123	2141.989	-0.134	-63	781	798	LVILVTMTQAVCRGYVMR				Carbamidomethyl (C)[12], Oxidation (M)[7,17]			Mascot
2142.123	2141.989	-0.134	-63	781	798	LVILVTMTQAVCRGYVMR				Carbamidomethyl (C)[12], Oxidation (M)[7,17]			Mascot
2225.1821	2225.0566	-0.1255	-56	384	403	IAYLLGLNSADMLKALCY PR							Mascot
2225.1821	2225.0566	-0.1255	-56	384	403	IAYLLGLNSADMLKALCY PR							Mascot
2247.1814	2247.0405	-0.1409	-63	552	570	LHDQHLGKTNCQKPKP AK				Carbamidomethyl (C)[11]			Mascot
2297.1265	2297.1257	-0.0008	0	414	434	GQTPVQVNNATMALCKS VYEK				Oxidation (M)[12]			Mascot
2298.1985	2298.1064	-0.0921	-40	384	403	IAYLLGLNSADMLKALCY PR				Carbamidomethyl (C)[17], Oxidation (M)[12]			Mascot
2298.1985	2298.1064	-0.0921	-40	384	403	IAYLLGLNSADMLKALCY PR				Carbamidomethyl (C)[17], Oxidation (M)[12]			Mascot
2310.1208	2309.905	-0.2158	-93	997	1016	KALQEAHQQTLDLQAE EDK							Mascot
2381.1265	2380.958	-0.1685	-71	2	22	SGDPEMECFGPAAYVLR KPEK				Carbamidomethyl (C)[8]			Mascot
9	novel protein [Danio rerio]			gi 157888687		13969.3	5.24	7	40	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
1081.5636	1081.4974	-0.0662	-61	76	84	SFTQKSDLR					Mascot	
1092.47	1092.538	0.068	62	7	16	MSDPEPCGIK			Oxidation (M)[1]		Mascot	
1503.7083	1503.7736	0.0653	43	86	97	HMMIHTGEKPYK			Oxidation (M)[2,3]		Mascot	
1659.8094	1659.7399	-0.0695	-42	85	97	RHMMIHTGEKPYK			Oxidation (M)[3,4]		Mascot	
1659.8094	1659.7399	-0.0695	-42	85	97	RHMMIHTGEKPYK			Oxidation (M)[3,4]		Mascot	
1687.7415	1687.9005	0.159	94	2	16	GSHEKMSDPEPCGIK			Carbamidomethyl (C)[12], Oxidation (M)[6]		Mascot	
1777.7554	1777.8333	0.0779	44	1	16	MGSHEKMSDPEPCGIK			Oxidation (M)[1,7]		Mascot	
2078.9885	2078.9702	-0.0183	-9	62	80	STDVVSFTCIQCGKSFTQ K					Mascot	
2078.9885	2078.9702	-0.0183	-9	62	80	STDVVSFTCIQCGKSFTQ K					Mascot	

10 PREDICTED: spermatogenesis-associated protein 5-like, partial [Danio rerio] gi|326673238 63503.8 7.55 9 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
837.4135	837.4025	-0.011	-13	479	485	VMTSDLR			Oxidation (M)[2]		Mascot
837.4135	837.4025	-0.011	-13	479	485	VMTSDLR			Oxidation (M)[2]		Mascot
870.493	870.5179	0.0249	29	498	505	EVAIDVPK					Mascot
1003.469	1003.4822	0.0132	13	345	353	EGAQNEVEK					Mascot
1112.5768	1112.5427	-0.0341	-31	232	241	VTYSMIGGLR	11	0	Oxidation (M)[5]		Mascot
1112.5768	1112.5427	-0.0341	-31	232	241	VTYSMIGGLR			Oxidation (M)[5]		Mascot
1158.6517	1158.5647	-0.087	-75	271	282	GVLLYGPPGTGK					Mascot
1687.865	1687.9005	0.0355	21	397	411	FDKELEIGVPNV DGR					Mascot
1714.8403	1714.7578	-0.0825	-48	48	61	WRSYLAQMSVNTMK					Mascot
1734.9281	1734.8041	-0.124	-71	534	550	GVLLYGPPGCSKTMIAK					Mascot
3337.5125	3337.6626	0.1501	45	201	231	SAAGSFYSVCSSTNLSLSEVDLRDEQDQGSK			Carbamidomethyl (C)[10]		Mascot

11 eukaryotic translation initiation factor 3 subunit K [Danio rerio] gi|62955135 25410.7 4.92 7 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5206	842.4869	-0.0337	-40	15	21	LLRGIDR					Mascot
870.5519	870.5179	-0.034	-39	10	17	ANVGKLLR					Mascot
999.4564	999.5469	0.0905	91	2	9	ATTFEQMR			Oxidation (M)[7]		Mascot
1130.4969	1130.5626	0.0657	58	1	9	MATTFEQMR			Oxidation (M)[1]		Mascot
1319.6589	1319.5454	-0.1135	-86	22	32	YNPENLATLER					Mascot
1658.8669	1658.7775	-0.0894	-54	158	172	LLAEMLGDP LDTQVK			Oxidation (M)[5]		Mascot
1755.8265	1755.9912	0.1647	94	88	101	CMIDQTHQEERPIR					Mascot

12 Wu:fc02b10 protein [Danio rerio] gi|189441648 71787.8 6.64 11 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1051.5315	1051.6851	0.1536	146	232	240	DLLCPFCLK					Mascot
1112.5261	1112.5427	0.0166	15	109	117	CNSCLKMLK	11	0	Carbamidomethyl (C)[4], Oxidation (M)[7]		Mascot
1112.5261	1112.5427	0.0166	15	109	117	CNSCLKMLK			Carbamidomethyl (C)[1], Oxidation (M)[7]		Mascot

	1165.5745	1165.7117	0.1372	118	232	240	DLTCPFCLK		Carbamidomethyl (C)[4,7]	Mascot
	1165.5745	1165.7117	0.1372	118	232	240	DLTCPFCLK		Carbamidomethyl (C)[4,7]	Mascot
	1196.6093	1196.7239	0.1146	96	362	370	CLYNTELKR		Carbamidomethyl (C)[1]	Mascot
	1245.7347	1245.5614	-0.1733	-139	438	448	GVRSLTLVCLK		Carbamidomethyl (C)[9]	Mascot
	1464.7443	1464.7155	-0.0288	-20	79	90	LIMLVSDFYYGK		Oxidation (M)[3]	Mascot
	1472.5868	1472.7291	0.1423	97	244	254	SGHMYMQHYMR		Oxidation (M)[4,6]	Mascot
	1633.8658	1633.8428	-0.023	-14	77	90	GKLIMLVSDFYYGK			Mascot
	1659.8296	1659.7399	-0.0897	-54	1	16	ADNGKVINEANNSVSK			Mascot
	1659.8296	1659.7399	-0.0897	-54	1	16	ADNGKVINEANNSVSK			Mascot
	2077.0093	2076.991	-0.0183	-9	178	194	ICELAFETEQVLLHMR		Oxidation (M)[16]	Mascot
	2224.9321	2225.0566	0.1245	56	195	212	DNHKPGEMPYGCQVCN YR		Carbamidomethyl (C)[12,15]	Mascot
	2224.9321	2225.0566	0.1245	56	195	212	DNHKPGEMPYGCQVCN YR		Carbamidomethyl (C)[12,15]	Mascot
	2283.0247	2283.1147	0.09	39	213	231	SSFFCDVDNHFRTVHEN TK			Mascot
	2283.0247	2283.1147	0.09	39	213	231	SSFFCDVDNHFRTVHEN TK			Mascot
13	polymerase (DNA directed), delta 2, regulatory subunit [Danio rerio]				gi 169145957	28619.5	5.18	8	38	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1034.6244	1034.498	-0.1264	-122	151	160	FVTGSVIAIK					Mascot
1081.5234	1081.4974	-0.026	-24	1	9	MFSDEVLEPK			Oxidation (M)[1]		Mascot
1092.5541	1092.538	-0.0161	-15	79	87	KLCDLQMGK			Carbamidomethyl (C)[3]		Mascot
1165.6285	1165.7117	0.0832	71	88	97	ECVIVGTIFK			Carbamidomethyl (C)[2]		Mascot
1165.6285	1165.7117	0.0832	71	88	97	ECVIVGTIFK			Carbamidomethyl (C)[2]		Mascot
1403.8005	1403.7134	-0.0871	-62	193	206	FVLLASGLGLNGSR					Mascot
1472.6587	1472.7291	0.0704	48	26	38	AEPAYSGCSEFR					Mascot
1658.8496	1658.7775	-0.0721	-43	108	121	EISEEHNLLPQPPR					Mascot
1950.9655	1950.8762	-0.0893	-46	124	139	YISQSDELILEDLQR					Mascot
1950.9655	1950.8762	-0.0893	-46	124	139	YISQSDELILEDLQR					Mascot

14	PREDICTED: hypothetical protein LOC100536781 [Danio rerio]					gi 326667347	18770.6	9.8	8	38	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.5109	996.5699	0.059	59	121	128	LHIDQNEK					Mascot

1112.5404	1112.5427	0.0023	2	17	27	FECGVSKGASK						Mascot
1112.5404	1112.5427	0.0023	2	17	27	FECGVSKGASK						Mascot
1130.5775	1130.5626	-0.0149	-13	92	100	INLPYHMAR				Oxidation (M)[7]		Mascot
1158.6226	1158.5647	-0.0579	-50	80	90	ASEGRVGDVLR						Mascot
1196.682	1196.7239	0.0419	35	146	156	KIVGHSTMPVK						Mascot
1503.6785	1503.7736	0.0951	63	4	16	NGCTDEYISNFLK						Mascot
1613.8857	1613.682	-0.2037	-126	42	55	QRIVDSQLEVEAK						Mascot
1714.8595	1714.7578	-0.1017	-59	92	105	INLPYHMARYHGSR						Mascot

15 3-hydroxyisobutyrate dehydrogenase b [Danio rerio] gi|41055658 34594.5 8.35 8 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4131	864.4699	0.0568	66	135	142	EMAVAAEK			Oxidation (M)[2]		Mascot
1130.4904	1130.5626	0.0722	64	305	314	MMCGRGYANK					Mascot
1245.6262	1245.5614	-0.0648	-52	315	324	DFSSVFQFLR					Mascot
1734.8666	1734.8041	-0.0625	-36	33	49	TQVGFIGLGNMGNPMAK					Mascot
1755.8258	1755.9912	0.1654	94	164	179	LTFMVGGPEEEFNAAK			Oxidation (M)[4]		Mascot
2030.9858	2030.9534	-0.0324	-16	15	32	CNNHVNNAVQVSIRSMAS K			Carbamidomethyl (C)[1], Oxidation (M)[15]		Mascot
2239.1033	2239.0676	-0.0357	-16	28	49	SMASKTQVGFIGLGNMG NPMAK					Mascot
2299.0879	2299.1038	0.0159	7	180	202	ELLSCMGANVVYCGQVG TGQAAK					Mascot

16 DNA polymerase delta subunit 2 [Danio rerio] gi|47086937 51794 4.84 10 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1034.6244	1034.498	-0.1264	-122	151	160	FVTGSVIAIK					Mascot
1081.5234	1081.4974	-0.026	-24	1	9	MFSDVLEPK			Oxidation (M)[1]		Mascot
1196.6746	1196.7239	0.0493	41	61	70	QILTERATHK					Mascot
1403.8005	1403.7134	-0.0871	-62	193	206	FVLLASGLGLNGSR					Mascot
1418.7607	1418.7217	-0.039	-27	56	66	LMQMRQILTER					Mascot
1472.6587	1472.7291	0.0704	48	26	38	AEPAYSGCSEFR					Mascot
1658.8496	1658.7775	-0.0721	-43	108	121	EISEEHNLLPQPPR					Mascot
1950.9655	1950.8762	-0.0893	-46	124	139	YISQSDELIIEDELQR					Mascot
1950.9655	1950.8762	-0.0893	-46	124	139	YISQSDELIIEDELQR					Mascot
2079.0005	2078.9702	-0.0303	-15	371	388	HLAPTAPDTLGCYPFYQK			Carbamidomethyl (C)[12]		Mascot
2079.0005	2078.9702	-0.0303	-15	371	388	HLAPTAPDTLGCYPFYQK			Carbamidomethyl (C)[12]		Mascot

	2142.0642	2141.989	-0.0752	-35	79	97	KLCDLQMGEECVIVGTIF K					Oxidation (M)[7]	Mascot
	2142.0642	2141.989	-0.0752	-35	79	97	KLCDLQMGEECVIVGTIF K					Oxidation (M)[7]	Mascot
17	probable arginyl-tRNA synthetase, mitochondrial [Danio rerio]					gi 41055429	67239.6	7.96	11	37	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
837.4478	837.4025	-0.0453	-54	140	146	FHAGHLR					Mascot
837.4478	837.4025	-0.0453	-54	140	146	FHAGHLR					Mascot
856.4246	856.5021	0.0775	90	2	7	ACFFRR			Carbamidomethyl (C)[2]		Mascot
999.5945	999.5469	-0.0476	-48	159	167	KALGNEVIR					Mascot
1003.46	1003.4822	0.0222	22	1	7	MACFFRR			Carbamidomethyl (C)[3], Oxidation (M)[1]		Mascot
1112.5582	1112.5427	-0.0155	-14	336	345	SDGTSLYITR					Mascot
1112.5582	1112.5427	-0.0155	-14	336	345	SDGTSLYITR					Mascot
1165.7052	1165.7117	0.0065	6	514	523	SVSLLQHLLR					Mascot
1165.7052	1165.7117	0.0065	6	514	523	SVSLLQHLLR					Mascot
1301.6219	1301.5911	-0.0308	-24	436	446	ELEDPELTAER					Mascot
1418.8365	1418.7217	-0.1148	-81	147	159	STIIGNFIANLKK					Mascot
1472.7644	1472.7291	-0.0353	-24	263	273	HFREITIHEYK					Mascot
1659.87	1659.7399	-0.1301	-78	101	115	LLDQLRSDPDGFGVK					Mascot
1659.87	1659.7399	-0.1301	-78	101	115	LLDQLRSDPDGFGVK					Mascot
2030.843	2030.9534	0.1104	54	496	513	QQDCEISCDFSPLTDSR					Mascot

18	hypothetical protein LOC641496 [Danio rerio]					gi 82658306	25293.7	5.02	7	37	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1196.5906	1196.7239	0.1333	111	57	66	AEEQVEVHQK					Mascot
1418.7386	1418.7217	-0.0169	-12	143	154	TGDLRRPYPTDK					Mascot
1472.7777	1472.7291	-0.0486	-33	67	79	VIALQAEINQMDK					Mascot
1714.8026	1714.7578	-0.0448	-26	38	51	EIVDTMLFLDNNMK			Oxidation (M)[6,13]		Mascot
1951.0331	1950.8762	-0.1569	-80	125	142	LAHRISASNGVCAPLAWK			Carbamidomethyl (C)[12]		Mascot
1951.0331	1950.8762	-0.1569	-80	125	142	LAHRISASNGVCAPLAWK			Carbamidomethyl (C)[12]		Mascot
2299.2327	2299.1038	-0.1289	-56	67	86	VIALQAEINQMDKLTNEL QK					Mascot
2310.1719	2309.905	-0.2669	-116	38	56	EIVDTMLFLDNNMKQLLE K			Oxidation (M)[6]		Mascot

19 Pold2 protein [Danio rerio] gi|28279582 51854 4.84 10 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1034.6244	1034.498	-0.1264	-122	151	160	FVTGSVIAIK					Mascot
1081.5234	1081.4974	-0.026	-24	1	9	MFSDVLEPK			Oxidation (M)[1]		Mascot
1196.6746	1196.7239	0.0493	41	61	70	QILTERATHK					Mascot
1403.8005	1403.7134	-0.0871	-62	193	206	FVLLASGLGLNGSR					Mascot
1418.7607	1418.7217	-0.039	-27	56	66	LMQMRQILTER					Mascot
1472.6587	1472.7291	0.0704	48	26	38	AEPAYSGCSEFR					Mascot
1658.8496	1658.7775	-0.0721	-43	108	121	EISEEHNLLQPPR					Mascot
1950.9655	1950.8762	-0.0893	-46	124	139	YISQSDEILEDELQR					Mascot
1950.9655	1950.8762	-0.0893	-46	124	139	YISQSDEILEDELQR					Mascot
2079.0005	2078.9702	-0.0303	-15	371	388	HLAPTAPDTLGCYPFYQK			Carbamidomethyl (C)[12]		Mascot
2079.0005	2078.9702	-0.0303	-15	371	388	HLAPTAPDTLGCYPFYQK			Carbamidomethyl (C)[12]		Mascot
2142.0642	2141.989	-0.0752	-35	79	97	KLCDLQMGEECVIVGTIF K			Oxidation (M)[7]		Mascot
2142.0642	2141.989	-0.0752	-35	79	97	KLCDLQMGEECVIVGTIF K			Oxidation (M)[7]		Mascot

20 PREDICTED: interferon-induced very large GTPase 1-like [Danio rerio] gi|326665761 191677.2 6.42 22 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.473	842.4869	0.0139	16	920	927	SIISHASK					Mascot
864.4573	864.4699	0.0126	15	163	169	DAFKQQK					Mascot
999.5581	999.5469	-0.0112	-11	1061	1068	LNDILQQR					Mascot
1003.5604	1003.4822	-0.0782	-78	1128	1135	IKDIDIMR					Mascot
1034.5629	1034.498	-0.0649	-63	1620	1627	FQKNLEQK					Mascot
1045.5887	1045.5347	-0.054	-52	613	621	QAELEKISK					Mascot
1051.5419	1051.6851	0.1432	136	1623	1630	NLEQKYEK					Mascot
1081.6364	1081.4974	-0.139	-129	1358	1366	SNLEKHILK					Mascot
1092.5571	1092.538	-0.0191	-17	1328	1336	EPIEQSVYK					Mascot
1158.7245	1158.5647	-0.1598	-138	1404	1413	FNISVLPKIK					Mascot
1245.7214	1245.5614	-0.16	-128	105	113	LFQRLHLYR					Mascot
1301.6519	1301.5911	-0.0608	-47	293	303	SHLMNSLINEK			Oxidation (M)[4]		Mascot
1319.626	1319.5454	-0.0806	-61	866	877	LAAKDEVCAER					Mascot

1472.6937	1472.7291	0.0354	24	636	648	EISQIYESCSSVK						Mascot
1633.7415	1633.8428	0.1013	62	1367	1379	TLAEEENFDKYMK				Oxidation (M)[12]		Mascot
1659.8483	1659.7399	-0.1084	-65	471	485	GREAAQQMIGLLDNK				Oxidation (M)[8]		Mascot
1659.8483	1659.7399	-0.1084	-65	471	485	GREAAQQMIGLLDNK				Oxidation (M)[8]		Mascot
2030.9739	2030.9534	-0.0205	-10	755	771	TEMNFDYILVVDTEGLR				Oxidation (M)[3]		Mascot
2225.1033	2225.0566	-0.0467	-21	293	310	SHLMNSLINEKHNTFFHR						Mascot
2225.1033	2225.0566	-0.0467	-21	293	310	SHLMNSLINEKHNTFFHR						Mascot
2239.1174	2239.0676	-0.0498	-22	435	454	GAIQDCLLEASANFRLDAFK				Carbamidomethyl (C)[6]		Mascot
2310.1145	2309.905	-0.2095	-91	320	340	VLMDGVVEIAWFPCPSGKDTDK						Mascot
2381.2458	2380.958	-0.2878	-121	1423	1444	IVKAAHQSTEEVNSGDVGLWLK						Mascot
3337.7024	3337.6626	-0.0398	-12	387	414	IIQELFTNPKPLICLFTEDDSNIFELER						Mascot

21 hypothetical protein LOC559906 [Danio rerio] gi|198282017 48541.8 5.61 10 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4349	882.5418	0.1069	121	1	8	MSSSLSVR			Oxidation (M)[1]		Mascot
1051.5419	1051.6851	0.1432	136	246	254	SQYEGIVQK					Mascot
1158.6477	1158.5647	-0.083	-72	96	105	SNADLELR					Mascot
1374.7223	1374.6014	-0.1209	-88	92	103	SLEKSNADLELR					Mascot
1403.6219	1403.7134	0.0915	65	207	217	KNHEEEMDSL			Oxidation (M)[7]		Mascot
1467.7914	1467.7416	-0.0498	-34	180	192	AKSDHDQIATLR					Mascot
1503.8641	1503.7736	-0.0905	-60	31	45	SKAAVSFAAAKPLSR					Mascot
1755.8983	1755.9912	0.0929	53	218	233	ARIAQEDVNVEVDAAR					Mascot
2298.0601	2298.1064	0.0463	20	115	134	GHDIDSMMAQAHAEQEVK			Oxidation (M)[7,8]		Mascot
2298.0601	2298.1064	0.0463	20	115	134	GHDIDSMMAQAHAEQEVK			Oxidation (M)[7,8]		Mascot
2299.0151	2299.1038	0.0887	39	160	178	WETESAMCQSVERDCVALK			Carbamidomethyl (C)[8,15]		Mascot

22 complement factor H-like 1 protein [Danio rerio] gi|300719712 82032 6.2 13 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4087	850.5184	0.1097	129	303	310	AEVATCTR					Mascot
864.4607	864.4699	0.0092	11	74	81	VGQTCTKK					Mascot
999.4927	999.5469	0.0542	54	114	121	KGYEMISR			Oxidation (M)[5]		Mascot
1045.4619	1045.5347	0.0728	70	382	390	EDCHDLSVK					Mascot

	1245.5428	1245.5614	0.0186	15	648	656	QYYRCENGR		Carbamidomethyl (C)[5]	Mascot
	1374.6357	1374.6014	-0.0343	-25	586	597	IPEGEWICENGK			Mascot
	1658.8975	1658.7775	-0.12	-72	51	64	VFCQIGFTGIYILK		Carbamidomethyl (C)[3]	Mascot
	1701.7975	1701.8567	0.0592	35	573	585	EILNYQCMKPYDK		Carbamidomethyl (C)[7]	Mascot
	1870.7799	1870.8503	0.0704	38	287	301	LDESKNYECDSGYYK		Carbamidomethyl (C)[9]	Mascot
	2239.0071	2239.0676	0.0605	27	457	477	DQETAEVDCDPGFISSTP SIK			Mascot
	2247.1299	2247.0405	-0.0894	-40	51	69	VFCQIGFTGIYILKCENGK		Carbamidomethyl (C)[3, 15]	Mascot
	2284.1248	2284.1089	-0.0159	-7	311	332	DGLTPKPLCAGMCARPDI PNAK		Oxidation (M)[12]	Mascot
	2297.0867	2297.1257	0.039	17	382	401	EDCHDLSVKNGFIYSQSL NK			Mascot
23	novel protein containing multiple sushi domains (SCR repeat) (zgc:123186) [Danio rerio]				gi 157885953	81834	6.34	12	35	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4087	850.5184	0.1097	129	303	310	AEVATCTR					Mascot
999.4563	999.5469	0.0906	91	533	541	STVFCSNGK			Carbamidomethyl (C)[5]		Mascot
1045.4619	1045.5347	0.0728	70	382	390	EDCHDLSVK					Mascot
1245.5428	1245.5614	0.0186	15	648	656	QYYRCENGR			Carbamidomethyl (C)[5]		Mascot
1374.6357	1374.6014	-0.0343	-25	586	597	IPEGEWICENGK					Mascot
1658.8975	1658.7775	-0.12	-72	51	64	VFCQIGFTGIYILK			Carbamidomethyl (C)[3]		Mascot
1701.7975	1701.8567	0.0592	35	573	585	EILNYQCMKPYDK			Carbamidomethyl (C)[7]		Mascot
1870.7799	1870.8503	0.0704	38	287	301	LDESKNYECDSGYYK			Carbamidomethyl (C)[9]		Mascot
2239.0071	2239.0676	0.0605	27	457	477	DQETAEVDCDPGFISSTP SIK					Mascot
2247.1299	2247.0405	-0.0894	-40	51	69	VFCQIGFTGIYILKCENGK			Carbamidomethyl (C)[3,15]		Mascot
2284.1248	2284.1089	-0.0159	-7	311	332	DGLTPKPLCAGMCARPDI PNAK			Oxidation (M)[12]		Mascot
2297.0867	2297.1257	0.039	17	382	401	EDCHDLSVKNGFIYSQSL NK					Mascot

24 Dual oxidase 1 [Danio rerio] gi|115391856 171607.2 7.37 17 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4273	850.5184	0.0911	107	1063	1069	NLITMCR					Mascot
870.4144	870.5179	0.1035	119	494	499	FWFENK					Mascot
997.5213	997.5798	0.0585	59	993	999	FIENYRR					Mascot
1034.588	1034.498	-0.09	-87	783	792	AEFASVLGLK					Mascot

	1092.5684	1092.538	-0.0304	-28	1302	1310	LREAYSPEK										Mascot
	1216.6909	1216.6155	-0.0754	-62	969	977	LYVRPQRER										Mascot
	1245.5754	1245.5614	-0.014	-11	97	107	AGCPPEFMHIK					Oxidation (M)[8]					Mascot
	1319.6736	1319.5454	-0.1282	-97	772	782	TREALQCELTR										Mascot
	1418.8154	1418.7217	-0.0937	-66	311	323	FGLTLAPPGVYKR										Mascot
	1633.8214	1633.8428	0.0214	13	59	74	ISTTAMSGQSGLLSHK					Oxidation (M)[6]					Mascot
	1659.8199	1659.7399	-0.08	-48	35	48	LYPAQYMDGVYLAR										Mascot
	1659.8199	1659.7399	-0.08	-48	35	48	LYPAQYMDGVYLAR										Mascot
	1755.9058	1755.9912	0.0854	49	903	918	DHSAQLNIKGMEVLGK					Oxidation (M)[11]					Mascot
	1767.8601	1767.8215	-0.0386	-22	890	902	DRFSWEDFHLLR										Mascot
	1777.9482	1777.8333	-0.1149	-65	836	851	LLFSTHDIKGDGFLSK										Mascot
	2211.075	2211.0422	-0.0328	-15	378	395	EDNIIVEDLRDYMVGPLR										Mascot
	2297.1169	2297.1257	0.0088	4	618	638	HKEPAHGTTASEWLGHN TAPR										Mascot
	2381.1423	2380.958	-0.1843	-77	1126	1144	VFSNNGSELPMKWTFWF FK					Oxidation (M)[11]					Mascot
25	complement factor H like 1 [Danio rerio]				gi 83415163		81927.1	7.03	12	35	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4087	850.5184	0.1097	129	303	310	AEVATCTR					Mascot
999.4563	999.5469	0.0906	91	533	541	STVFCSENGK			Carbamidomethyl (C)[5]		Mascot
1045.4619	1045.5347	0.0728	70	382	390	EDCHDLSVK					Mascot
1245.5428	1245.5614	0.0186	15	648	656	QYYRCENGR			Carbamidomethyl (C)[5]		Mascot
1374.6357	1374.6014	-0.0343	-25	586	597	IPEGEWICENGK					Mascot
1658.8975	1658.7775	-0.12	-72	51	64	VFCQIGFTGIYILK			Carbamidomethyl (C)[3]		Mascot
1870.7799	1870.8503	0.0704	38	287	301	LDESKNYECDSEGYK			Carbamidomethyl (C)[9]		Mascot
2142.0237	2141.989	-0.0347	-16	28	47	SDIYENVVPVSDASYAD GK					Mascot
2142.0237	2141.989	-0.0347	-16	28	47	SDIYENVVPVSDASYAD GK					Mascot
2239.0071	2239.0676	0.0605	27	457	477	DQETAEVDCDPGFISSTP SIK					Mascot
2247.1299	2247.0405	-0.0894	-40	51	69	VFCQIGFTGIYILKCENGK			Carbamidomethyl (C)[3,15]		Mascot
2284.1248	2284.1089	-0.0159	-7	311	332	DGLTPKPLCAGMCARPDI PNAK			Oxidation (M)[12]		Mascot
2297.0867	2297.1257	0.039	17	382	401	EDCHDLSVKNGFIYSQSL NK					Mascot

26 hypothetical protein LOC405866 [Danio rerio] gi|47086175 40709.3 9.53 8 35 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1003.5067	1003.4822	-0.0245	-24	321	328 RVSDGQWR					Mascot
	1081.5386	1081.4974	-0.0412	-38	333	341 HQPTVQESR					Mascot
	1130.5663	1130.5626	-0.0037	-3	49	57 RTYMEGVFK					Mascot
	1319.6451	1319.5454	-0.0997	-76	322	332 VSDGQWRSTQR					Mascot
	1403.6874	1403.7134	0.026	19	25	38 DPGGSSGRVTSDLR					Mascot
	1472.7202	1472.7291	0.0089	6	203	214 MVSFEYNNVTIR					Mascot
	2142.0027	2141.989	-0.0137	-6	2	23 TSSCLLIGRGSCQSNSSA ASGR					Mascot
	2142.0027	2141.989	-0.0137	-6	2	23 TSSCLLIGRGSCQSNSSA ASGR					Mascot
	2239.0596	2239.0676	0.008	4	215	232 TCMLKPETPFMTFYRDV K			Oxidation (M)[3,11]		Mascot
27	EF-hand domain (C-terminal) containing 2 [Danio rerio]					gi 220941673	85505	5.81	12	35	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	850.4967	850.5184	0.0217	26	658	664 IICKAFR					Mascot
	1112.6211	1112.5427	-0.0784	-70	273	281 DTVPKFLHR					Mascot
	1112.6211	1112.5427	-0.0784	-70	273	281 DTVPKFLHR					Mascot
	1319.6011	1319.5454	-0.0557	-42	349	359 VLICDCDYFTK					Mascot
	1418.6838	1418.7217	0.0379	27	366	377 YGIEDFPSISYK					Mascot
	1633.8108	1633.8428	0.032	20	364	377 SKYGIEDFPSISYK					Mascot
	1687.8075	1687.9005	0.093	55	713	727 FDADWRGEAPEPAVK					Mascot
	1777.8907	1777.8333	-0.0574	-32	60	76 FPKGEGSGAPAWLAFDK					Mascot
	1931.9644	1931.9087	-0.0557	-29	201	215 QELEENMKPLRPYER					Mascot
	2233.2339	2233.0229	-0.211	-94	302	322 TVLNVFGPVGQGGRYILD SLK					Mascot
	2284.0227	2284.1089	0.0862	38	563	582 QFFTMSDPSSTGSLPYE SFR					Mascot
	2297.1997	2297.1257	-0.074	-32	294	315 QPGEITDRTVLNVFGPVG QGGR					Mascot
	2298.1401	2298.1064	-0.0337	-15	699	718 ENPVPAVLPEDTVKFDAD WR					Mascot
	2298.1401	2298.1064	-0.0337	-15	699	718 ENPVPAVLPEDTVKFDAD WR					Mascot
	2300.0176	2300.1047	0.0871	38	563	582 QFFTMSDPSSTGSLPYE SFR			Oxidation (M)[5]		Mascot
28	probable ATP-dependent RNA helicase DDX11 [Danio rerio]					gi 55925522	100596.9	8.26	14	35	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End Sequence	Ion	C. I. %	Modification	Rank	Result Type
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			Seq.		Seq.	Score			
	837.3882	837.4025	0.0143	17	1	7 MESKNGR		Oxidation (M)[1]	Mascot
	837.3882	837.4025	0.0143	17	1	7 MESKNGR		Oxidation (M)[1]	Mascot
	864.421	864.4699	0.0489	57	228	235 SPYGDAVR			Mascot
	996.5546	996.5699	0.0153	15	414	421 AKNLMYIK		Oxidation (M)[5]	Mascot
	999.4637	999.5469	0.0832	83	299	306 FENLMAMK		Oxidation (M)[5]	Mascot
	1034.5299	1034.498	-0.0319	-31	570	579 QACVAQSSLK			Mascot
	1245.6521	1245.5614	-0.0907	-73	801	812 HMPHVAGKSPGK			Mascot
	1464.7412	1464.7155	-0.0257	-18	775	787 CIVMVGMPYPNIK			Mascot
	1467.7325	1467.7416	0.0091	6	725	737 ASQVEQVLSEYSK			Mascot
	1613.7927	1613.682	-0.1107	-69	795	808 MAYLDKHMPHVAGK		Oxidation (M)[1]	Mascot
	1633.8618	1633.8428	-0.019	-12	598	613 AVIIAGGTMQPVADFK		Oxidation (M)[9]	Mascot
	1701.8654	1701.8567	-0.0087	-5	143	157 ADEDDEAVKLLQLSR			Mascot
	1714.79	1714.7578	-0.0322	-19	833	846 HRGDYACIVLCDHR		Carbamidomethyl (C)[7]	Mascot
	2310.1548	2309.905	-0.2498	-108	46	64 SLSLICGALTWLRDYEEQ R		Carbamidomethyl (C)[6]	Mascot
	2381.301	2380.958	-0.343	-144	336	357 MSIPAAQVVVLPYQSLLH ASTR			Mascot

29 PREDICTED: transformation/transcription domain-associated protein [Danio rerio] gi|326672350 433471.2 8.52 28 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
837.4941	837.4025	-0.0916	-109	211	217 THTIIPR				Mascot
837.4941	837.4025	-0.0916	-109	211	217 THTIIPR				Mascot
882.5155	882.5418	0.0263	30	2182	2189 AVHSLLSR				Mascot
997.5717	997.5798	0.0081	8	462	469 YQLVSIFK				Mascot
1003.4553	1003.4822	0.0269	27	3311	3318 CYSVAFEK		Carbamidomethyl (C)[1]		Mascot
1034.5741	1034.498	-0.0761	-74	883	892 VLGKFGGSNR				Mascot
1045.5095	1045.5347	0.0252	24	3604	3612 EVQGNMVPR		Oxidation (M)[6]		Mascot
1081.5312	1081.4974	-0.0338	-31	1443	1451 LFPNSFNDK				Mascot
1130.5953	1130.5626	-0.0327	-29	2567	2575 HDKFLDSLRL				Mascot
1158.4951	1158.5647	0.0696	60	2306	2314 LSVMNMEMR		Oxidation (M)[4,6,8]		Mascot
1165.5817	1165.7117	0.13	112	606	615 VANCQTVRMK		Oxidation (M)[9]		Mascot
1165.5817	1165.7117	0.13	112	606	615 VANCQTVRMK		Oxidation (M)[9]		Mascot
1196.7037	1196.7239	0.0202	17	287	296 TLSFLAYIIR				Mascot
1301.6241	1301.5911	-0.033	-25	2848	2857 EMAWKVNMHR				Mascot

1418.7573	1418.7217	-0.0356	-25	108	119	SHAKNILSVMFR	Oxidation (M)[10]	Mascot
1464.8242	1464.7155	-0.1087	-74	1147	1159	LGGVVSIKFLMER	Oxidation (M)[11]	Mascot
1503.8101	1503.7736	-0.0365	-24	859	870	AELMQALWRTLRL	Oxidation (M)[4]	Mascot
1734.8195	1734.8041	-0.0154	-9	3569	3582	GIEHDNPISRYYDR		Mascot
1767.9462	1767.8215	-0.1247	-71	3022	3036	IHTIPTVPVDCFAQ	Carbamidomethyl (C)[12]	Mascot
1778.0469	1777.8333	-0.2136	-120	1889	1905	AIVRQAMAILPAVPA		Mascot
1871.0636	1870.8503	-0.2133	-114	388	404	QNLPLTDLSLAVQLFAK		Mascot
2079.05	2078.9702	-0.0798	-38	1	19	MSFVPTSPSTVVDQTTL MK		Mascot
2079.05	2078.9702	-0.0798	-38	1	19	MSFVPTSPSTVVDQTTL MK		Mascot
2211.0745	2211.0422	-0.0323	-15	1075	1094	GMDPLVLIDAIACMAYEE K	Oxidation (M)[2]	Mascot
2239.1348	2239.0676	-0.0672	-30	1	20	MSFVPTSPSTVVDQTTL MKK	Oxidation (M)[1,18]	Mascot
2283.0981	2283.1147	0.0166	7	3617	3634	EWALHTFPNATDYWTFR K		Mascot
2283.0981	2283.1147	0.0166	7	3617	3634	EWALHTFPNATDYWTFR K		Mascot
2284.0908	2284.1089	0.0181	8	1075	1094	GMDPLVLIDAIACMAYEE K	Carbamidomethyl (C)[14], Oxidation (M)[2,15]	Mascot
2297.0537	2297.1257	0.072	31	1696	1713	FLCNMTFLKEYMEEIIPK	Oxidation (M)[5,12]	Mascot
2300.1335	2300.1047	-0.0288	-13	1175	1196	ALLFVMMDLTGEVSNGA VAMAK	Oxidation (M)[6,7]	Mascot
2310.1152	2309.905	-0.2102	-91	1832	1851	LMTFAWPCLLPKTCVDP ACK	Carbamidomethyl (C)[8], Oxidation (M)[2]	Mascot
2381.1377	2380.958	-0.1797	-75	3484	3504	GHNGKIYPYLVMNDACT ESR		Mascot
2496.23	2496.2568	0.0268	11	2341	2362	IVEEWVKNSGNPMATNQ VPNPR	Oxidation (M)[13]	Mascot

30 cell division control protein 42 homolog isoform 2 [Danio rerio] gi|66392176 21356 6.15 6 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1003.524	1003.4822	-0.0418	-42	6	16	CVVVG DGAVGK					Mascot
1216.642	1216.6155	-0.0265	-22	121	131	DDPSTIEKLAK					Mascot
1403.6888	1403.7134	0.0246	18	97	107	WVPEITHHCPK			Carbamidomethyl (C)[9]		Mascot
1467.7625	1467.7416	-0.0209	-14	154	166	YVECSALTQRGLK					Mascot
1472.8472	1472.7291	-0.1181	-80	108	120	TPFLLVGTQIDLR					Mascot
2298.1831	2298.1064	-0.0767	-33	6	27	CVVVG DGAVGKTCLLISY TTNK			Carbamidomethyl (C)[1]		Mascot
2298.1831	2298.1064	-0.0767	-33	6	27	CVVVG DGAVGKTCLLISY TTNK			Carbamidomethyl (C)[1]		Mascot

31 polo-like kinase 3 (Drosophila) [Danio rerio] gi|169154707 74271.7 9.04 12 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1081.6266	1081.4974	-0.1292	-119	143	151	SLAHIWKAR					Mascot
1301.55	1301.5911	0.0411	32	73	83	CYEMTDLANNK					Mascot
1374.5664	1374.6014	0.035	25	73	83	CYEMTDLANNK			Carbamidomethyl (C)[1], Oxidation (M)[4]		Mascot
1613.7411	1613.682	-0.0591	-37	2	15	DPSCFTTAQRLSCK			Carbamidomethyl (C)[4]		Mascot
1687.7601	1687.9005	0.1404	83	1	15	MDPSCFTTAQRLSCK					Mascot
1701.9646	1701.8567	-0.1079	-63	104	117	IINEIELHKSLQHK					Mascot
1734.9272	1734.8041	-0.1231	-71	271	286	EVKYSLPSSLTPSAQK					Mascot
1871.0612	1870.8503	-0.2109	-113	464	479	NPPCLVKTKPFIWVTK					Mascot
1950.8759	1950.8762	0.0003	0	73	88	CYEMTDLANNKMYAVK			Carbamidomethyl (C)[1]		Mascot
1950.8759	1950.8762	0.0003	0	73	88	CYEMTDLANNKMYAVK			Carbamidomethyl (C)[1]		Mascot
2233.1138	2233.0229	-0.0909	-41	450	470	VLNSCLSSMPTASRNPP CLVK			Oxidation (M)[9]		Mascot
2239.1362	2239.0676	-0.0686	-31	16	36	IMNPDMFKASPAAPPAK PSR			Oxidation (M)[2]		Mascot
2283.1326	2283.1147	-0.0179	-8	625	644	VSYSYPLNVLSLGCSPE LR			Carbamidomethyl (C)[15]		Mascot
2283.2417	2283.1147	-0.127	-56	605	624	IILCKPSDASYLVTFISKER					Mascot

32 oxidoreductase NAD-binding domain-containing protein gi|160333075 30679.4 6.34 7 34 0
1 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
997.4771	997.5798	0.1027	103	19	26	QMELFSAR			Oxidation (M)[2]		Mascot
1158.6226	1158.5647	-0.0579	-50	220	229	GRISAEELQR					Mascot
1319.7317	1319.5454	-0.1863	-141	82	93	EGAIELAVKYAR					Mascot
1464.7363	1464.7155	-0.0208	-14	27	39	VCDIISESDTVKR					Mascot
1503.7285	1503.7736	0.0451	30	250	263	VSSDLQSTGLPEDR					Mascot
2233.0469	2233.0229	-0.024	-11	156	174	HTHSHRYTPGHTHLCYS AK					Mascot
2381.1338	2380.958	-0.1758	-74	230	249	YVDPERTLCYLCGPPPMI EK			Carbamidomethyl (C)[9]		Mascot

33 RecName: Full=WASH complex subunit CCDC53; gi|82077711 21552 4.72 6 33 0
AltName: Full=Coiled-coil domain-containing protein 53

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
999.4451	999.5469	0.1018	102	44	51	FSTVCEEK			Carbamidomethyl (C)[5]		Mascot
1374.6934	1374.6014	-0.092	-67	123	135	TEAPAENIMTVAK					Mascot

1472.7202	1472.7291	0.0089	6	40	51	FLNRFSTVCEEK						Mascot
1687.8571	1687.9005	0.0434	26	1	17	MDADGLPIVGSGVDLTK						Mascot
1755.8945	1755.9912	0.0967	55	44	58	FSTVCEEKLSTVSLR				Carbamidomethyl (C)[5]		Mascot
2496.3125	2496.2568	-0.0557	-22	1	24	MDADGLPIVGSGVDLTKV PAIQQR				Oxidation (M)[1]		Mascot

34 Rfc5 protein [Danio rerio] gi|63102390 37681.7 8.51 8 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1319.71	1319.5454	-0.1646	-125	198	209	AIVTLSTGDMRR					Mascot
1403.71	1403.7134	0.0034	2	168	179	FGPLSQNQMIPIR			Oxidation (M)[9]		Mascot
1467.7988	1467.7416	-0.0572	-39	61	73	TSTILACARQLYK					Mascot
1472.7744	1472.7291	-0.0453	-31	239	251	SDIANILDWALNK					Mascot
1687.949	1687.9005	-0.0485	-29	91	106	GIDVVRGPILSFASTR					Mascot
1734.8955	1734.8041	-0.0914	-53	209	223	RSLNILQSTHMYGK			Oxidation (M)[11]		Mascot
1755.7854	1755.9912	0.2058	117	76	90	EFNSMVLELNASDDR			Oxidation (M)[5]		Mascot
2310.2122	2309.905	-0.3072	-133	306	327	LASGTSEKIQQLSSMVAAF QAVR			Oxidation (M)[14]		Mascot

35 replication factor C subunit 5 [Danio rerio] gi|51467970 37646.7 8.21 8 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1319.71	1319.5454	-0.1646	-125	198	209	AIVTLSTGDMRR					Mascot
1403.71	1403.7134	0.0034	2	168	179	FGPLSQNQMIPIR			Oxidation (M)[9]		Mascot
1467.7988	1467.7416	-0.0572	-39	61	73	TSTILACARQLYK					Mascot
1472.7744	1472.7291	-0.0453	-31	239	251	SDIANILDWALNK					Mascot
1687.949	1687.9005	-0.0485	-29	91	106	GIDVVRGPILSFASTR					Mascot
1734.8955	1734.8041	-0.0914	-53	209	223	RSLNILQSTHMYGK			Oxidation (M)[11]		Mascot
1755.7854	1755.9912	0.2058	117	76	90	EFNSMVLELNASDDR			Oxidation (M)[5]		Mascot
2310.2122	2309.905	-0.3072	-133	306	327	LASGTSEKIQQLSSMVAAF QAVR			Oxidation (M)[14]		Mascot

36 PREDICTED: f-box only protein 48-like isoform 2 [Danio rerio] gi|326664266 12723.1 6.88 6 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1216.5925	1216.6155	0.023	19	77	87	SHCLTGLAVCR			Carbamidomethyl (C)[3]		Mascot

1319.626	1319.5454	-0.0806	-61	1	14	MSVEGAAAPSAGQK	Oxidation (M)[1]	Mascot
1464.7627	1464.7155	-0.0472	-32	45	56	IFGELDVRSLCR	Carbamidomethyl (C)[11]	Mascot
1467.6785	1467.7416	0.0631	43	32	44	DFSEALPAEMSVR	Oxidation (M)[10]	Mascot
1777.8405	1777.8333	-0.0072	-4	63	76	HWNDIIEGSDHLWR		Mascot
2381.1804	2380.958	-0.2224	-93	32	52	DFSEALPAEMSVRIFGEL DVR		Mascot

37 BarH-like 1.2 [Danio rerio] gi|62955401 22067.8 6.9 6 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.4523	856.5021	0.0498	58	31	38	SPAELSPR					Mascot
999.4854	999.5469	0.0615	62	54	62	SSVEDAVHR					Mascot
1301.6267	1301.5911	-0.0356	-27	27	38	GECSRPAELSPR					Mascot
1633.8466	1633.8428	-0.0038	-2	186	200	MELAASLNLTDTQVK					Mascot
1734.8943	1734.8041	-0.0902	-52	186	201	MELAASLNLTDTQVKT					Mascot
2299.062	2299.1038	0.0418	18	31	52	SPAELSPRDLDSGCSS PPSPR			Carbamidomethyl (C)[15]		Mascot

38 PREDICTED: kelch repeat and BTB domain-containing protein 13-like [Danio rerio] gi|326669200 56244.6 5.75 9 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
837.3923	837.4025	0.0102	12	445	451	EMTGFP					Mascot
837.3923	837.4025	0.0102	12	445	451	EMTGFP					Mascot
864.4573	864.4699	0.0126	15	34	40	NVFTLDR					Mascot
882.4236	882.5418	0.1182	134	289	296	SVMSSVEK			Oxidation (M)[3]		Mascot
1196.6422	1196.7239	0.0817	68	31	40	FGKNVFTLDR					Mascot
1301.626	1301.5911	-0.0349	-27	335	345	DATEIYEYVAK					Mascot
1472.7454	1472.7291	-0.0163	-11	230	242	IYIVGGVYDMTNK					Mascot
1687.672	1687.9005	0.2285	135	2	17	TGGNLMENSSCACSEK			Carbamidomethyl (C)[11]		Mascot
1777.6859	1777.8333	0.1474	83	1	17	MTGGNLMENSSCACSEK			Oxidation (M)[1]		Mascot
2283.2014	2283.1147	-0.0867	-38	208	229	VLTHLPLNASTTMAGVTA LDNK			Oxidation (M)[13]		Mascot
2283.2014	2283.1147	-0.0867	-38	208	229	VLTHLPLNASTTMAGVTA LDNK			Oxidation (M)[13]		Mascot

39 Zgc:110331 [Danio rerio] gi|62202266 17382.1 8.3 6 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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												Seq.		Seq.		Score							
	882.5294	882.5418	0.0124	14	122	129	ELSLPPVK														Mascot		
	1045.5636	1045.5347	-0.0289	-28	42	51	NVGSLDKNAK														Mascot		
	1403.6658	1403.7134	0.0476	34	130	141	LHCSMLAEDAIAK												Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot		
	1659.8813	1659.7399	-0.1414	-85	17	31	TLSAPTLRTQSGYHK														Mascot		
	1659.8813	1659.7399	-0.1414	-85	17	31	TLSAPTLRTQSGYHK														Mascot		
	1701.9026	1701.8567	-0.0459	-27	1	16	MAASLAEKCAAPQILK												Carbamidomethyl (C)[9]		Mascot		
	2247.1113	2247.0405	-0.0708	-32	84	104	FKTFGCGSAIASSSLATE WVK												Carbamidomethyl (C)[6]		Mascot		
40	PREDICTED: zinc finger and SCAN domain-containing protein 2-like [Danio rerio]					gij 326674783		39998.2	9.27	12	33	0											
Peptide Information																							
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence			Ion Score	C. I.	%	Modification						Rank	Result Type			
	837.41	837.4025	-0.0075	-9	29	35	TDFVAER			2		0								Mascot			
	837.41	837.4025	-0.0075	-9	29	35	TDFVAER													Mascot			
	999.4788	999.5469	0.0681	68	247	254	GNCKQHQQK						Carbamidomethyl (C)[3]							Mascot			
	1003.4335	1003.4822	0.0487	49	261	269	DHVCLECGK													Mascot			
	1045.4441	1045.5347	0.0906	87	186	194	CFSQSSAMK						Carbamidomethyl (C)[1]							Mascot			
	1092.5466	1092.538	-0.0086	-8	19	28	GNETRISMGK													Mascot			
	1216.5562	1216.6155	0.0593	49	260	269	RDHVCLECGK						Carbamidomethyl (C)[5]							Mascot			
	1319.5507	1319.5454	-0.0053	-4	3	13	DFGGCRQMFDK						Oxidation (M)[8]							Mascot			
	1374.6495	1374.6014	-0.0481	-35	63	74	EQKQDLNAEDGK													Mascot			
	1687.6583	1687.9005	0.2422	144	180	194	CSYCDKCFQSSAMK													Mascot			
	1931.9102	1931.9087	-0.0015	-1	149	166	DHVCLECGKSFTTAGHV K													Mascot			
	1950.7692	1950.8762	0.107	55	47	62	MDHEDAEETDQMEVK						Oxidation (M)[1]							Mascot			
	1950.7692	1950.8762	0.107	55	47	62	MDHEDAEETDQMEVK						Oxidation (M)[1]							Mascot			
	2211.0474	2211.0422	-0.0052	-2	311	328	IHTGEKPYCPQCQSFR						Carbamidomethyl (C)[10]							Mascot			
41	spindle and kinetochore-associated protein 1 [Danio rerio]					gij 50540250		29650.5	9.46	2	32	0	26	39.013									
Peptide Information																							
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence			Ion Score	C. I.	%	Modification						Rank	Result Type			
	870.4719	870.5179	0.046	53	56	62	FEKYVGK													Mascot			
	1112.5591	1112.5427	-0.0164	-15	231	239	FVGMLNMLR			26	39.013		Oxidation (M)[4,7]							Mascot			
	1112.5591	1112.5427	-0.0164	-15	231	239	FVGMLNMLR						Oxidation (M)[4,7]							Mascot			

42 novel protein similar to semaphorin 3 family (sema3) gi|94732785 80503.7 6.71 11 32 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4497	850.5184	0.0687	81	191	196	VYFFFK					Mascot
864.5049	864.4699	-0.035	-40	209	215	IYSRVAR					Mascot
1301.5613	1301.5911	0.0298	23	54	64	NLSMDCANYVR			Oxidation (M)[4]		Mascot
1464.7615	1464.7155	-0.046	-31	433	445	TQTPILSMELSTK			Oxidation (M)[8]		Mascot
1472.7394	1472.7291	-0.0103	-7	36	47	IHWPAQGEHIER					Mascot
1503.6573	1503.7736	0.1163	77	308	318	ESPDYRWMEYK					Mascot
1687.7744	1687.9005	0.1261	75	340	353	STRDFPDDVVSFMR			Oxidation (M)[13]		Mascot
1701.7239	1701.8567	0.1328	78	687	702	QNPPDEPLDGGETADF					Mascot
1777.7996	1777.8333	0.0337	19	50	64	YAGKNLSMDCANYVR			Carbamidomethyl (C)[10], Oxidation (M)[8]		Mascot
1870.9518	1870.8503	-0.1015	-54	622	638	AQNNLPGNHATSLRSYK					Mascot
2142.0471	2141.989	-0.0581	-27	54	71	NLSMDCANYVRLLQPFN K			Oxidation (M)[4]		Mascot
2142.0471	2141.989	-0.0581	-27	54	71	NLSMDCANYVRLLQPFN K			Oxidation (M)[4]		Mascot

43 malectin precursor [Danio rerio] gi|165972473 31966.3 5.58 8 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.3835	856.5021	0.1186	138	187	193	GYDNPVK					Mascot
870.4614	870.5179	0.0565	65	4	11	VTLHCAAR					Mascot
882.4904	882.5418	0.0514	58	245	252	NPVRSGPR					Mascot
997.5209	997.5798	0.0589	59	194	201	ICALYVMK			Carbamidomethyl (C)[2]		Mascot
1051.5531	1051.6851	0.132	126	65	74	VGKASDYGVR					Mascot
1196.5868	1196.7239	0.1371	115	106	115	EEGDYILVMK					Mascot
1374.7012	1374.6014	-0.0998	-73	167	179	LSVHGEVSTFNGK					Mascot
1777.8651	1777.8333	-0.0318	-18	187	201	GYDNPVKICALYVMK					Mascot

44 PREDICTED: actin-binding Rho-activating protein-like gi|189530046 19545.6 5.42 6 32 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	837.4464	837.4025	-0.0439	-52	116	122	YVNISNK						Mascot
	837.4464	837.4025	-0.0439	-52	116	122	YVNISNK						Mascot
	996.6676	996.5699	-0.0977	-98	123	131	LVGVLLRAR						Mascot
	1003.4778	1003.4822	0.0044	4	77	84	DAHFLMNR						Mascot
	1687.8802	1687.9005	0.0203	12	109	122	FGTLFERYVNISNK						Mascot
	1701.8376	1701.8567	0.0191	11	43	57	NPFSNGMVTPPQIQR			Oxidation (M)[7]			Mascot
	2247.1008	2247.0405	-0.0603	-27	77	94	DAHFLMNREVTELCQVIR			Carbamidomethyl (C)[14], Oxidation (M)[6]			Mascot
45	novel protein similar to vertebrate ankyrin 2, neuronal (ANK2, zgc:101738) [Danio rerio]						gi 123231888	34175.6	8.86	7	32	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4954	842.4869	-0.0085	-10	17	24	LNGLGGRR					Mascot
1034.5088	1034.498	-0.0108	-10	305	312	IHFSREMV			Oxidation (M)[7]		Mascot
1216.7637	1216.6155	-0.1482	-122	192	202	VRLPALHIAAR					Mascot
1464.7805	1464.7155	-0.065	-44	75	87	EGHVDLVQELLGR					Mascot
1714.8879	1714.7578	-0.1301	-76	296	309	TLCICHVTKIHFSR			Carbamidomethyl (C)[3]		Mascot
2283.1211	2283.1147	-0.0064	-3	204	224	DDTKSAALLLQNDHNAD VQSK					Mascot
2283.1211	2283.1147	-0.0064	-3	204	224	DDTKSAALLLQNDHNAD VQSK					Mascot
2297.1731	2297.1257	-0.0474	-21	75	96	EGHVDLVQELLGRGSSV DSATK					Mascot

46 protein tyrosine phosphatase, non-receptor type 11, b [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.5272	1045.5347	0.0075	7	528	535	LEEEQRNK					Mascot
1112.5385	1112.5427	0.0042	4	112	120	WYHGHLGR					Mascot
1112.5385	1112.5427	0.0042	4	112	120	WYHGHLGR					Mascot
1130.6165	1130.5626	-0.0539	-48	399	407	ELEVTRLDR					Mascot
1216.5878	1216.6155	0.0277	23	481	491	QGLDCDIDIPK					Mascot
1503.6492	1503.7736	0.1244	83	312	324	SVNEEGRHMDEGK			Oxidation (M)[9]		Mascot
1714.8793	1714.7578	-0.1215	-71	481	495	QGLDCDIDIPKTIQR					Mascot
1734.9246	1734.8041	-0.1205	-69	221	235	INAANIENRVHELNK					Mascot
2079.0652	2078.9702	-0.095	-46	444	464	TQSAIPESGPVVHCSAGI GR					Mascot
2079.0652	2078.9702	-0.095	-46	444	464	TQSAIPESGPVVHCSAGI GR					Mascot

	2284.0879	2284.1089	0.021	9	179	198	YDVGGGERFDTLADLVE HYK						Mascot
	2310.1765	2309.905	-0.2715	-118	71	89	FATLAELVQYYTEQHDL R						Mascot
47	PREDICTED: ankyrin repeat domain-containing protein 33B-like [Danio rerio]					gi 189515915	58303.8	7.16	9	32	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1418.7427	1418.7217	-0.021	-15	254	265	LTPQEWALFTGR					Mascot
1714.9771	1714.7578	-0.2193	-128	1	17	MVLITENGVAGGVVLVK			Oxidation (M)[1]		Mascot
1755.8153	1755.9912	0.1759	100	237	252	SLMMTGGDIEARDFGR					Mascot
1767.8087	1767.8215	0.0128	7	216	231	NCHGFTALMKAAMQGR			Oxidation (M)[9,13]		Mascot
1870.8456	1870.8503	0.0047	3	232	248	AECVRSLLMMTGGDIEAR			Oxidation (M)[8,9]		Mascot
1932.1639	1931.9087	-0.2552	-132	2	20	VLITENGVAGGVVLVKVH K					Mascot
2079.1995	2078.9702	-0.2293	-110	1	20	MVLITENGVAGGVVLVKV HK			Oxidation (M)[1]		Mascot
2079.1995	2078.9702	-0.2293	-110	1	20	MVLITENGVAGGVVLVKV HK			Oxidation (M)[1]		Mascot
2142.1133	2141.989	-0.1243	-58	457	474	VMLCKAPPIHMPERPP R			Carbamidomethyl (C)[4], Oxidation (M)[2]		Mascot
2142.1133	2141.989	-0.1243	-58	457	474	VMLCKAPPIHMPERPP R			Carbamidomethyl (C)[4], Oxidation (M)[2]		Mascot
3337.3914	3337.6626	0.2712	81	275	301	LMDKPCAQFCDSEYHMG WPMLSEMVAR			Carbamidomethyl (C)[6,11], Oxidation (M)[2,16,20]		Mascot

48	PREDICTED: hypothetical protein LOC569436 [Danio rerio]					gi 326678363	352771.2	7.92	26	32	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
837.3737	837.4025	0.0288	34	25	31	SDSEPFR					Mascot
837.3737	837.4025	0.0288	34	25	31	SDSEPFR					Mascot
842.4743	842.4869	0.0126	15	2664	2669	HFRINR					Mascot
856.4311	856.5021	0.071	83	1282	1287	ENYFRK					Mascot
864.4131	864.4699	0.0568	66	603	610	LGAEMSEK					Mascot
997.4771	997.5798	0.1027	103	1623	1630	KSDECLFR					Mascot
1003.4625	1003.4822	0.0197	20	94	101	QTLSDHMR			Oxidation (M)[7]		Mascot
1081.4653	1081.4974	0.0321	30	2158	2166	MNNCELTEK					Mascot
1092.6122	1092.538	-0.0742	-68	2545	2554	LFVGDMGILK					Mascot
1130.6238	1130.5626	-0.0612	-54	3057	3066	GVNLLCDVLK			Carbamidomethyl (C)[6]		Mascot
1165.5483	1165.7117	0.1634	140	922	932	SKGDGPNFSEK					Mascot

1165.5483	1165.7117	0.1634	140	922	932	SKGDGPNFSEK							Mascot
1196.6633	1196.7239	0.0606	51	1778	1787	LSHLELDLR							Mascot
1319.5458	1319.5454	-0.0004	0	1334	1345	NNENNQADDASK							Mascot
1403.6583	1403.7134	0.0551	39	1100	1110	NETQERPIECK				Carbamidomethyl (C)[10]			Mascot
1467.8318	1467.7416	-0.0902	-61	491	503	TFAGPENLKIHLK							Mascot
1503.8451	1503.7736	-0.0715	-48	1695	1708	LEILGLSKCGITEK							Mascot
1734.8042	1734.8041	-0.0001	0	854	869	GDGPNFSEQQPSSTKR							Mascot
1777.8108	1777.8333	0.0225	13	297	311	IHTGDRPYSCVQCGK				Carbamidomethyl (C)[10,13]			Mascot
1931.8724	1931.9087	0.0363	19	2963	2979	CCSLTDEDYKDLASALK				Carbamidomethyl (C)[1]			Mascot
2077.0779	2076.991	-0.0869	-42	592	610	CILISINNGRLGAEMSEK				Oxidation (M)[16]			Mascot
2142.0332	2141.989	-0.0442	-21	294	311	HVKIHTGDRPYSCVQCGK				Carbamidomethyl (C)[13,16]			Mascot
2142.0332	2141.989	-0.0442	-21	294	311	HVKIHTGDRPYSCVQCGK				Carbamidomethyl (C)[13,16]			Mascot
2224.9797	2225.0566	0.0769	35	321	339	HHMSLNHEEKPYVCGQCGR							Mascot
2224.9797	2225.0566	0.0769	35	321	339	HHMSLNHEEKPYVCGQCGR							Mascot
2232.8818	2233.0229	0.1411	63	181	199	YHMKMHSDETAFSCEECGK							Mascot
2239.0449	2239.0676	0.0227	10	2476	2494	LADSGMKNICLLQNVQCR				Carbamidomethyl (C)[10,11], Oxidation (M)[6]			Mascot
2283.2068	2283.1147	-0.0921	-40	1358	1375	TLTQMYTHFLRFQILQSR							Mascot
2283.2068	2283.1147	-0.0921	-40	1358	1375	TLTQMYTHFLRFQILQSR							Mascot
2297.144	2297.1257	-0.0183	-8	2728	2748	LNLSDCSISEEGYKALASALR				Carbamidomethyl (C)[6]			Mascot
2297.9961	2298.1064	0.1103	48	321	339	HHMSLNHEEKPYVCGQCGR				Carbamidomethyl (C)[14], Oxidation (M)[3]			Mascot
2297.9961	2298.1064	0.1103	48	321	339	HHMSLNHEEKPYVCGQCGR				Carbamidomethyl (C)[14], Oxidation (M)[3]			Mascot
2299.2017	2299.1038	-0.0979	-43	1358	1375	TLTQMYTHFLRFQILQSR				Oxidation (M)[5]			Mascot
2496.2173	2496.2568	0.0395	16	1755	1777	LNLLDCGISSEEGYEALATALESK				Carbamidomethyl (C)[6]			Mascot
49	Ofd1 protein [Danio rerio]			gi 53733696		104037.1	5.57	13	32	0			

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type	
882.454	882.5418	0.0878	99	614	621	ATAAQQHR						Mascot	
997.5425	997.5798	0.0373	37	438	445	HTLELQTR						Mascot	
1003.469	1003.4822	0.0132	13	577	584	ELEQEAER						Mascot	
1045.5286	1045.5347	0.0061	6	588	595	AYRSHQQR						Mascot	
1130.6528	1130.5626	-0.0902	-80	410	419	SQASLLKQKQK						Mascot	
1464.6635	1464.7155	0.052	36	6	17	EESLSPDEMRQK			Oxidation (M)[9]			Mascot	
1633.902	1633.8428	-0.0592	-36	121	135	SLVSNIQRGQSGFLK						Mascot	

	1658.8132	1658.7775	-0.0357	-22	269	281	HQEIEEKDIYAQR					Mascot
	2078.9739	2078.9702	-0.0037	-2	79	97	SAGYEYTLSVFQPECGL SK					Mascot
	2078.9739	2078.9702	-0.0037	-2	79	97	SAGYEYTLSVFQPECGL SK					Mascot
	2239.1162	2239.0676	-0.0486	-22	165	182	ESLVEKMLQIDEEYEVLR		Oxidation (M)[7]			Mascot
	2247.0386	2247.0405	0.0019	1	812	829	ETHTLQQQPHEEQTQEQ R					Mascot
	2297.1594	2297.1257	-0.0337	-15	129	148	GQSGFLKSLMELTDHS VYR		Oxidation (M)[11]			Mascot
	2381.1514	2380.958	-0.1934	-81	57	78	SADHTDSVLVSACNSVV VDHLR		Carbamidomethyl (C)[13]			Mascot
50	GTP-binding protein REM 1 [Danio rerio]				gi 54633305		33854.2	8.7	1	22	0	

	1714.8031	1714.7483	-0.0548	-32	89	102	DPNKPLPENNEEYR									Mascot
	1854.9385	1854.8779	-0.0606	-33	126	140	EWLADKGTFFENIYLR									Mascot
	1870.9042	1870.8479	-0.0563	-30	88	102	RDPNKPLPENNEEYR									Mascot
	1950.9344	1950.8711	-0.0633	-32	14	29	VAEQIEYYFGDHNLP	107	100							Mascot
	1950.9344	1950.8711	-0.0633	-32	14	29	VAEQIEYYFGDHNLP									Mascot
	1972.9935	1972.8564	-0.1371	-69	109	125	SIYMKGFPLETTLDDVK			Oxidation (M)[4]						Mascot
	2015.0154	2014.9482	-0.0672	-33	35	51	EQLQLDDGWVPLETMLK									Mascot
	2031.0104	2030.9421	-0.0683	-34	35	51	EQLQLDDGWVPLETMLK			Oxidation (M)[15]						Mascot
	2077.0488	2076.9771	-0.0717	-35	114	131	GFPLETTLDDVKEWLADK									Mascot
	2079.0293	2078.9653	-0.064	-31	13	29	KVAEQIEYYFGDHNLP									Mascot
	2079.0293	2078.9653	-0.064	-31	13	29	KVAEQIEYYFGDHNLP	102	100							Mascot
	2142.0461	2141.9775	-0.0686	-32	89	106	DPNKPLPENNEEYRDALK									Mascot
	2142.0461	2141.9775	-0.0686	-32	89	106	DPNKPLPENNEEYRDALK	93	100							Mascot
	2247.085	2247.0237	-0.0613	-27	296	314	EQAVQWEILEGDVEMETLK									Mascot
	2391.1748	2391.105	-0.0698	-29	296	315	EQAVQWEILEGDVEMETLKK			Oxidation (M)[15]						Mascot
2	RecName: Full=Keratin, type I cytoskeletal 18; AltName: Full=Cytokeratin-18; Short=CK-18; AltName:					gi 148886613	48601.1	5.53	11	44	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
807.3995	807.3746	-0.0249	-31	163	169	LAADDFR						Mascot
864.4461	864.4656	0.0195	23	387	394	LLDGGDFK						Mascot
882.4753	882.5382	0.0629	71	260	266	YEKMALK						Mascot
996.4996	996.5663	0.0667	67	172	179	YESELSIR						Mascot
1045.4697	1045.5308	0.0611	58	124	132	GPDVHDYSR						Mascot
1092.4926	1092.5282	0.0356	33	86	94	MAMQNLNDR						Mascot
1107.5906	1107.5105	-0.0801	-72	25	33	RTTNVPTYR						Mascot
1434.6893	1434.7269	0.0376	26	246	257	GQDLSQIMEEIR			Oxidation (M)[8]			Mascot
1464.7111	1464.7103	-0.0008	-1	322	334	GSLEGTLRDTMR						Mascot
1633.8214	1633.8365	0.0151	9	246	259	GQDLSQIMEEIRAK			Oxidation (M)[8]			Mascot
1714.9333	1714.7483	-0.185	-108	305	318	RQIQTLEIELESQK						Mascot

3 Wu:fc02b10 protein [Danio rerio] gi|189441648 71787.8 6.64 13 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
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	807.364	807.3746	0.0106	13	122	127	FMNHMK											Mascot
	1051.5315	1051.6791	0.1476	140	232	240	DLLCPFCLK											Mascot
	1112.5261	1112.5389	0.0128	12	109	117	CNSCLKMLK	7	0	Carbamidomethyl (C)[4], Oxidation (M)[7]							Mascot	
	1112.5261	1112.5389	0.0128	12	109	117	CNSCLKMLK			Carbamidomethyl (C)[1], Oxidation (M)[7]							Mascot	
	1165.5745	1165.5503	-0.0242	-21	232	240	DLLCPFCLK			Carbamidomethyl (C)[4,7]							Mascot	
	1165.5745	1165.7085	0.134	115	232	240	DLLCPFCLK			Carbamidomethyl (C)[4,7]							Mascot	
	1196.6093	1196.7197	0.1104	92	362	370	CLYNTELKR			Carbamidomethyl (C)[1]							Mascot	
	1196.6093	1196.7197	0.1104	92	362	370	CLYNTELKR			Carbamidomethyl (C)[1]							Mascot	
	1320.63	1320.5431	-0.0869	-66	118	127	NNIRFMNHMK			Oxidation (M)[6]							Mascot	
	1464.7443	1464.7103	-0.034	-23	79	90	LIMLVSDFFYYGK			Oxidation (M)[3]							Mascot	
	1472.5868	1472.7281	0.1413	96	244	254	SGHMYMQHYMR			Oxidation (M)[4,6]							Mascot	
	1633.8658	1633.8365	-0.0293	-18	77	90	GKLIMLVSDFFYYGK										Mascot	
	1659.8296	1659.7222	-0.1074	-65	1	16	ADNGKVINEANNSVSK										Mascot	
	1659.8296	1659.7222	-0.1074	-65	1	16	ADNGKVINEANNSVSK										Mascot	
	2077.0093	2076.9771	-0.0322	-16	178	194	ICELAFETEQLLEHMR			Oxidation (M)[16]							Mascot	
	2224.9321	2225.0479	0.1158	52	195	212	DNHKPGEMPYGCQVCN YR			Carbamidomethyl (C)[12,15]							Mascot	
	2224.9321	2225.0479	0.1158	52	195	212	DNHKPGEMPYGCQVCN YR			Carbamidomethyl (C)[12,15]							Mascot	
	2283.0247	2283.1047	0.08	35	213	231	SSFFCDVDNHFRTVHEN TK										Mascot	
	2391.1182	2391.105	-0.0132	-6	380	399	CMECLHDVDPYIHYPLS LK			Oxidation (M)[2]							Mascot	
4	ATPase family AAA domain-containing protein 3 [Danio rerio] gi 45387821 69799.9 8.57 10 40 0 10 0																	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1051.5756	1051.6791	0.1035	98	552	560	VDAAVRQHR				Mascot
	1081.6152	1081.4918	-0.1234	-114	478	485	LVRLYFDR				Mascot
	1092.5796	1092.5282	-0.0514	-47	124	132	AQYQDKLAR				Mascot
	1179.5891	1179.5645	-0.0246	-21	89	98	EYEAQVEQLK				Mascot
	1179.5891	1179.5645	-0.0246	-21	89	98	EYEAQVEQLK	10	0		Mascot
	1357.707	1357.6755	-0.0315	-23	141	151	QQTLLNEENLR				Mascot
	1420.7682	1420.611	-0.1572	-111	87	98	IKEYEAQVEQLK				Mascot
	2110.041	2109.9102	-0.1308	-62	598	615	AQEELRPLQVEPDSQN K				Mascot
	2297.0359	2297.116	0.0801	35	359	380	LAVHSGMDYAIMTGGDV APMGR			Oxidation (M)[7,12,20]	Mascot
	2305.2397	2305.0833	-0.1564	-68	301	321	LQSKPQDALEGVVLSPPL				Mascot

	2409.136	2409.1289	-0.0071	-3	358	380	EER KLAVHSGMDYAIMTGGD VAPMGR				Oxidation (M)[8,13]	Mascot
5	Zgc:153569 protein [Danio rerio]				gi 171846383	59551.2	7.18	14	39	0		
	Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
	850.4669	850.5144	0.0475	56	326	332	LIAQDYK					Mascot
	999.4637	999.5364	0.0727	73	198	205	LICGFMDK				Carbamidomethyl (C)[3], Oxidation (M)[6]	Mascot
	1090.4404	1090.4946	0.0542	50	506	513	MVQDCEHR				Carbamidomethyl (C)[5], Oxidation (M)[1]	Mascot
	1234.5773	1234.6421	0.0648	52	188	197	MTSIVFSDYR				Oxidation (M)[1]	Mascot
	1320.5784	1320.5431	-0.0353	-27	350	360	CNPDTSMPRAR				Carbamidomethyl (C)[1], Oxidation (M)[7]	Mascot
	1365.6328	1365.5994	-0.0334	-24	412	423	GEIEAHCSGLHR				Carbamidomethyl (C)[7]	Mascot
	1493.7278	1493.6898	-0.038	-25	412	424	GEIEAHCSGLHRK				Carbamidomethyl (C)[7]	Mascot
	1493.7278	1493.6898	-0.038	-25	412	424	GEIEAHCSGLHRK				Carbamidomethyl (C)[7]	Mascot
	1972.9606	1972.8564	-0.1042	-53	137	153	FESVALEVCTSTMLELK				Carbamidomethyl (C)[9], Oxidation (M)[13]	Mascot
	1993.9583	1993.9119	-0.0464	-23	163	179	GYLMSCLVDHRANITER				Oxidation (M)[4]	Mascot
	2076.9915	2076.9771	-0.0144	-7	395	411	MLMEDFSLSPEIVLHCR				Carbamidomethyl (C)[16]	Mascot
	2109.9653	2109.9102	-0.0551	-26	488	505	NGDPMILSCLMEHLYTEK				Oxidation (M)[5]	Mascot
	2142.0068	2141.9775	-0.0293	-14	188	205	MTSIVFSDYRLICGFMDK				Oxidation (M)[1]	Mascot
	2142.0068	2141.9775	-0.0293	-14	188	205	MTSIVFSDYRLICGFMDK				Oxidation (M)[1]	Mascot
	2233.0925	2233.0168	-0.0757	-34	394	411	RMLMEDFSLSPEIVLHCR				Carbamidomethyl (C)[17]	Mascot
	2297.1592	2297.116	-0.0432	-19	46	71	AAILNPGNNAAAAAAAAA ASSGSQTR					Mascot
6	sideroflexin-2 [Danio rerio]				gi 47086585	35601.3	9.38	9	39	0		
	Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
	1393.7045	1393.6879	-0.0166	-12	23	33	LKHFFNITDCR					Mascot
	1464.7151	1464.7103	-0.0048	-3	1	13	MEAVKGFIDIDAPR				Oxidation (M)[1]	Mascot
	1493.6655	1493.6898	0.0243	16	72	84	LYDSAFHPDTGDR					Mascot
	1493.6655	1493.6898	0.0243	16	72	84	LYDSAFHPDTGDR					Mascot
	1855.0366	1854.8779	-0.1587	-86	232	248	VTMAAPGMILPIIMQR					Mascot
	1871.0315	1870.8479	-0.1836	-98	232	248	VTMAAPGMILPIIMQR				Oxidation (M)[3]	Mascot
	2014.9076	2014.9482	0.0406	20	6	22	GFDIDAPRWQSTFMGR				Oxidation (M)[15]	Mascot
	2077.0181	2076.9771	-0.041	-20	177	195	WVPFAAVAAANCVNIPM MR				Oxidation (M)[17]	Mascot
	2142.0503	2141.9775	-0.0728	-34	302	319	ESIISQYGEQISHVYFNK					Mascot

	807.3049	807.3746	0.0697	86	468	475	GDGADGCR	Carbamidomethyl (C)[7]	Mascot	
	837.4134	837.3991	-0.0143	-17	1214	1221	VKASVSCS	Carbamidomethyl (C)[7]	Mascot	
	837.4134	837.3991	-0.0143	-17	1214	1221	VKASVSCS	Carbamidomethyl (C)[7]	Mascot	
	1045.5823	1045.5308	-0.0515	-49	683	690	LQIKDCLR	Carbamidomethyl (C)[6]	Mascot	
	1107.5139	1107.5105	-0.0034	-3	926	934	DPEDFMVVR		Mascot	
	1112.567	1112.5389	-0.0281	-25	917	925	NPNMKPHFK		Mascot	
	1112.567	1112.5389	-0.0281	-25	917	925	NPNMKPHFK		Mascot	
	1179.5641	1179.5645	0.0004	0	1187	1196	VRPEDSGEYK		Mascot	
	1179.5641	1179.5645	0.0004	0	1187	1196	VRPEDSGEYK		Mascot	
	1234.6864	1234.6421	-0.0443	-36	21	31	VPGVMITQYVK		Mascot	
	1434.7587	1434.7269	-0.0318	-22	845	857	DGGNKILGYQIEK		Mascot	
	1493.8145	1493.6898	-0.1247	-83	19	31	SRVPGVMITQYVK	Oxidation (M)[7]	Mascot	
	1493.8145	1493.6898	-0.1247	-83	19	31	SRVPGVMITQYVK	Oxidation (M)[7]	Mascot	
	1583.8176	1583.6996	-0.118	-75	61	75	AVVNGDPAPTVTWTR		Mascot	
	1633.8795	1633.8365	-0.043	-26	2	16	PQPAEEIPVGQVEIK		Mascot	
	2015.059	2014.9482	-0.1108	-55	215	232	VVENVDNMKPIEVKTSG R		Mascot	
	2031.0538	2030.9421	-0.1117	-55	215	232	VVENVDNMKPIEVKTSG R	Oxidation (M)[8]	Mascot	
	2109.8889	2109.9102	0.0213	10	410	429	DGAGDGADDFARCLADE QAR	Carbamidomethyl (C)[13]	Mascot	
	2142.1707	2141.9775	-0.1932	-90	56	75	VALFKAVVNGDPAPTVT WTR		Mascot	
	2142.1707	2141.9775	-0.1932	-90	56	75	VALFKAVVNGDPAPTVT WTR		Mascot	
	2233.0527	2233.0168	-0.0359	-16	917	934	NPNMKPHFKDPEDFMVV R	Oxidation (M)[4,15]	Mascot	
10	casein kinase 1-alphaL [Danio rerio]			gi 21591725		40471.7	9.54	10	37	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5459	1045.5308	-0.0151	-14	153	161	CLESPVGKR			Carbamidomethyl (C)[1]		Mascot
1092.6676	1092.5282	-0.1394	-128	307	314	QLFRILFR					Mascot
1179.5748	1179.5645	-0.0103	-9	269	278	MSTPVEVLCK			Carbamidomethyl (C)[9], Oxidation (M)[1]		Mascot
1179.5748	1179.5645	-0.0103	-9	269	278	MSTPVEVLCK			Carbamidomethyl (C)[9], Oxidation (M)[1]		Mascot
1234.6534	1234.6421	-0.0113	-9	268	278	KMSTPVEVLCK					Mascot
1393.7178	1393.6879	-0.0299	-21	112	123	TVLMLADQMISR			Oxidation (M)[4]		Mascot
1475.7675	1475.7104	-0.0571	-39	136	148	DIKPDNFLMGIGR					Mascot
1714.8983	1714.7483	-0.15	-87	215	229	YASINAHLGIEQSRR					Mascot
1993.9476	1993.9119	-0.0357	-18	296	310	FEEAPDYMYLRQLFR			Oxidation (M)[8]		Mascot

2014.995	2014.9482	-0.0468	-23	136	152	DIKPDNFLMGIGRHCNK	Carbamidomethyl (C)[15]	Mascot
2030.9899	2030.9421	-0.0478	-24	136	152	DIKPDNFLMGIGRHCNK	Carbamidomethyl (C)[15], Oxidation (M)[9]	Mascot
2247.075	2247.0237	-0.0513	-23	331	353	QKAAQQAASSGGQGQQ AQTP TGF		Mascot

11 Gefiltin [Danio rerio] gi|61403519 54189.8 5.23 11 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4427	882.5382	0.0955	108	106	112	NLEQHNK					Mascot
999.5152	999.5364	0.0212	21	359	366	SEMARHLR					Mascot
1090.4946	1090.4946	0	0	88	96	EQMQGLNDR					Mascot
1092.5432	1092.5282	-0.015	-14	299	306	EELNEFRR					Mascot
1234.5984	1234.6421	0.0437	35	417	427	LYSSTSMSSKK			Oxidation (M)[7]		Mascot
1365.6757	1365.5994	-0.0763	-56	278	289	SKFADLSEQANR					Mascot
1393.7507	1393.6879	-0.0628	-45	376	387	MALDIEIAAYRK					Mascot
1583.7336	1583.6996	-0.034	-21	2	15	SYGSDIYSASSYRK					Mascot
1714.7742	1714.7483	-0.0259	-15	1	15	MSYGSDIYSASSYRK					Mascot
1972.9255	1972.8564	-0.0691	-35	88	103	EQMQGLNDRFAMFIEK			Oxidation (M)[3]		Mascot
2233.0229	2233.0168	-0.0061	-3	259	277	GQYEAMASKNLQSAEE WYK					Mascot

12 hypothetical protein LOC641496 [Danio rerio] gi|82658306 25293.7 5.02 7 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1109.6135	1109.4548	-0.1587	-143	1	9	MATKFQLVR			Oxidation (M)[1]		Mascot
1196.5906	1196.7197	0.1291	108	57	66	AEEQVEVHQK					Mascot
1196.5906	1196.7197	0.1291	108	57	66	AEEQVEVHQK					Mascot
1416.7303	1416.8978	0.1675	118	129	142	ISASNGVCAPLAWK					Mascot
1472.7777	1472.7281	-0.0496	-34	67	79	VIALQAEINQMDK					Mascot
1475.8104	1475.7104	-0.1	-68	112	124	ADKKPVSFEDLVK					Mascot
1714.8026	1714.7483	-0.0543	-32	38	51	EIVDTMLFLDNNMK			Oxidation (M)[6,13]		Mascot
1951.0331	1950.8711	-0.162	-83	125	142	LAHRISASNGVCAPLAWK			Carbamidomethyl (C)[12]		Mascot
1951.0331	1950.8711	-0.162	-83	125	142	LAHRISASNGVCAPLAWK			Carbamidomethyl (C)[12]		Mascot

13 interleukin 7 receptor [Danio rerio] gi|164698523 38565.6 5.52 8 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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		Seq.				Seq.		Score							
	1092.5969	1092.5282	-0.0687	-63	66	74	EIDLTkmvK					Oxidation (M)[7]			Mascot
	1107.627	1107.5105	-0.1165	-105	283	291	LPREQshlK								Mascot
	1179.6521	1179.5645	-0.0876	-74	208	217	YITPNiPhPK								Mascot
	1179.6521	1179.5645	-0.0876	-74	208	217	YITPNiPhPK								Mascot
	1420.6665	1420.611	-0.0555	-39	321	332	EEAYVTmSSlFK					Oxidation (M)[7]			Mascot
	1633.7778	1633.8365	0.0587	36	321	334	EEAYVTmSSlFKtQ								Mascot
	2079.1167	2078.9653	-0.1514	-73	208	225	YITPNiPhPKATLAQMQR								Mascot
	2079.1167	2078.9653	-0.1514	-73	208	225	YITPNiPhPKATLAQMQR								Mascot
	2247.0671	2247.0237	-0.0434	-19	314	332	SPQLECKEEAYVTmSSlFK					Carbamidomethyl (C)[6]			Mascot
	2409.2236	2409.1289	-0.0947	-39	226	246	AKEGLPFTFSPEIFSDAFIHR								Mascot
14	signal transducer and activator of transcription 5.2 [Danio rerio]					gi 51591885		89784.4	5.83	10	34	0	9	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1107.6746	1107.5105	-0.1641	-148	233	241	HQRTLALLR					Mascot
1179.6117	1179.5645	-0.0472	-40	655	664	DFSIRSLADR					Mascot
1179.6117	1179.5645	-0.0472	-40	655	664	DFSIRSLADR					Mascot
1234.6791	1234.6421	-0.037	-30	208	217	KSTLETWLTR					Mascot
1659.8523	1659.7222	-0.1301	-78	72	86	AEHQMGGDGfLLKIK	9	0	Oxidation (M)[5]		Mascot
1659.8523	1659.7222	-0.1301	-78	72	86	AEHQMGGDGfLLKIK			Oxidation (M)[5]		Mascot
1714.901	1714.7483	-0.1527	-89	243	256	QQTViVDdELiQWK					Mascot
1871.0021	1870.8479	-0.1542	-82	243	257	QQTViVDdELiQWKR					Mascot
2076.9888	2076.9771	-0.0117	-6	568	583	NFTFWQWFDGViELMK			Oxidation (M)[15]		Mascot
2110.042	2109.9102	-0.1318	-62	602	619	QQAQDMLMSKPNgtFLLR			Oxidation (M)[6,8]		Mascot
2297.0503	2297.116	0.0657	29	769	787	QVEEFLRQPMETTWSGQ			Oxidation (M)[10]		Mascot
2391.2124	2391.105	-0.1074	-45	87	107	LGHYATQLKNSYDACPL ELVR					Mascot

15 ATP-binding cassette, sub-family D (ALD), member 3b [Danio rerio] gi|194578945 75186.1 9.16 11 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4716	850.5144	0.0428	50	153	158	LCFRVR			Carbamidomethyl (C)[2]		Mascot

864.4244	864.4656	0.0412	48	255	261	MTVTEQR						Mascot
882.5342	882.5382	0.004	5	67	73	RICHILK						Mascot
1090.5276	1090.4946	-0.033	-30	346	354	HINSTYAER						Mascot
1107.569	1107.5105	-0.0585	-53	74	82	ILMPQAFCK				Carbamidomethyl (C)[8]		Mascot
1196.631	1196.7197	0.0887	74	643	652	GNYEFKPITK						Mascot
1196.631	1196.7197	0.0887	74	643	652	GNYEFKPITK						Mascot
1357.795	1357.6755	-0.1195	-88	616	627	VGITLFTVSHRK						Mascot
1393.7111	1393.6879	-0.0232	-17	159	169	LTNHLYNDYLK						Mascot
1583.8275	1583.6996	-0.1279	-81	183	196	IANPDQLITQDVEK						Mascot
2015.0242	2014.9482	-0.076	-38	307	323	FIHFRFSMGVMDSIIAK				Oxidation (M)[8]		Mascot
2031.019	2030.9421	-0.0769	-38	307	323	FIHFRFSMGVMDSIIAK				Oxidation (M)[8,11]		Mascot
2142.1528	2141.9775	-0.1753	-82	503	520	GKLFYVPQRPYMTLGSL R				Oxidation (M)[12]		Mascot
2142.1528	2141.9775	-0.1753	-82	503	520	GKLFYVPQRPYMTLGSL R				Oxidation (M)[12]		Mascot

16 branched-chain-amino-acid aminotransferase, cytosolic gi|41152384 42664.4 6.79 8 34 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4665	842.484	0.0175	21	121	127	MLKSAHR					Mascot
864.4838	864.4656	-0.0182	-21	210	215	YIRAWR					Mascot
1107.5	1107.5105	0.0105	9	213	222	AWRGGTGDCK			Carbamidomethyl (C)[9]		Mascot
1165.6221	1165.5503	-0.0718	-62	111	119	LFRPMLNMK			Oxidation (M)[5]		Mascot
1165.6221	1165.7085	0.0864	74	111	119	LFRPMLNMK			Oxidation (M)[5]		Mascot
1420.7915	1420.611	-0.1805	-127	109	119	VRLFRPMLNMK			Oxidation (M)[7]		Mascot
2014.9104	2014.9482	0.0378	19	128	144	ACLPSFDCAELMECIKK			Carbamidomethyl (C)[2,8]		Mascot
2030.9054	2030.9421	0.0367	18	128	144	ACLPSFDCAELMECIKK			Carbamidomethyl (C)[2,8], Oxidation (M)[12]		Mascot
2077.1174	2076.9771	-0.1403	-68	272	291	GEEELATPPLDGIILPGVT R					Mascot
2297.0181	2297.116	0.0979	43	124	143	SAHRACLPSFDCAELME CIK			Carbamidomethyl (C)[6], Oxidation (M)[16]		Mascot

17 vwa2 protein [Danio rerio] gi|272938025 16568.8 7.94 6 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4518	842.484	0.0322	38	64	69	YNKVYR					Mascot
1109.5295	1109.4548	-0.0747	-67	23	31	VESYPCVQK			Carbamidomethyl (C)[6]		Mascot
1365.6957	1365.5994	-0.0963	-71	67	77	VYRQHPAVCHR					Mascot

	1460.6627	1460.7493	0.0866	59	52	63	YSAYTSLCPHYR						Mascot
	1951.0106	1950.8711	-0.1395	-72	32	47	TLETVKQLQGNFVCWK			Carbamidomethyl (C)[14]			Mascot
	1951.0106	1950.8711	-0.1395	-72	32	47	TLETVKQLQGNFVCWK			Carbamidomethyl (C)[14]			Mascot
	2305.0872	2305.0833	-0.0039	-2	1	22	VNGLFTSLTSSVCM SIP SGCK			Carbamidomethyl (C)[14], Oxidation (M)[15]			Mascot
18	hypothetical protein LOC100124598 [Danio rerio]				gi 156616342		11312.5	6.69	5	34	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1090.4834	1090.4946	0.0112	10	68	76	EICADPTER			Carbamidomethyl (C)[3]		Mascot
	1092.4852	1092.5282	0.043	39	31	39	CCFSFSTIK			Carbamidomethyl (C)[1]		Mascot
	1472.764	1472.7281	-0.0359	-24	31	43	CCFSFSTIKIPVK					Mascot
	1659.7908	1659.7222	-0.0686	-41	68	80	EICADPTERWWQR			Carbamidomethyl (C)[3]		Mascot
	1659.7908	1659.7222	-0.0686	-41	68	80	EICADPTERWWQR			Carbamidomethyl (C)[3]		Mascot
	2142.0913	2141.9775	-0.1138	-53	40	57	IPVKQVQSYHTAHFQCQ K					Mascot
	2142.0913	2141.9775	-0.1138	-53	40	57	IPVKQVQSYHTAHFQCQ K					Mascot

19	PREDICTED: transposon TX1 uncharacterized 149 kDa protein-like [Danio rerio]				gi 326674296		180436.7	7.83	21	34	0		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	807.3995	807.3746	-0.0249	-31	469	475	EFNGNVK					Mascot
	850.4087	850.5144	0.1057	124	595	601	DITQAMR			Oxidation (M)[6]		Mascot
	996.493	996.5663	0.0733	74	564	571	KQCFSDLR					Mascot
	1045.5717	1045.5308	-0.0409	-39	662	669	FFFSLEKK					Mascot
	1092.5216	1092.5282	0.0066	6	1367	1374	TMKYCFVK			Carbamidomethyl (C)[5], Oxidation (M)[2]		Mascot
	1179.6455	1179.5645	-0.081	-69	1218	1226	VWRLFSLCR					Mascot
	1179.6844	1179.5645	-0.1199	-102	855	864	SILDNVHLIR					Mascot
	1193.6711	1193.5795	-0.0916	-77	306	314	RMQLYELIK					Mascot
	1320.5571	1320.5431	-0.014	-11	87	97	CFGCGQEGHLR			Carbamidomethyl (C)[1,4]		Mascot
	1416.7998	1416.8978	0.098	69	1500	1511	WQLINFLVGQAK					Mascot
	1420.6677	1420.611	-0.0567	-40	572	582	QWWDCGKAEIK			Carbamidomethyl (C)[5]		Mascot
	1460.7783	1460.7493	-0.029	-20	899	911	TLESFGFGSKFIK					Mascot
	1475.71	1475.7104	0.0004	0	583	594	LFCQQYAFNVSR					Mascot
	1659.7903	1659.7222	-0.0681	-41	1357	1370	DVNLTM MQGK TMYK					Mascot

	1659.7903	1659.7222	-0.0681	-41	1357	1370	DVNLTM MQGK TMYK										Mascot
	1714.8217	1714.7483	-0.0734	-43	254	267	NMKNVQ VDF FSDR						Oxidation (M)[2]				Mascot
	1854.8214	1854.8779	0.0565	30	71	86	VDGYDY VVF ASSETMR						Oxidation (M)[15]				Mascot
	1994.0642	1993.9119	-0.1523	-76	276	291	IVFVFCY TLF LMGVIR						Carbamidomethyl (C)[6], Oxidation (M)[12]				Mascot
	2077.1262	2076.9771	-0.1491	-72	813	829	NWRPVSL LCT DLKIFSK						Carbamidomethyl (C)[9]				Mascot
	2297.25	2297.116	-0.134	-58	1422	1443	ILHGIVAV NAFISV VNSSV DDK										Mascot
	2298.0818	2298.0898	0.008	3	2	23	AAAMETP ASAFSG DAPF ERLSR						Oxidation (M)[4]				Mascot
	2409.1094	2409.1289	0.0195	8	29	50	IVPEMACS VEECSL AVGE TVGR						Carbamidomethyl (C)[7,12], Oxidation (M)[5]				Mascot
20	Eukaryotic translation elongation factor 2, like [Danio rerio]					gi 28278942	95388.8	6.28	14	33	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	807.3917	807.3746	-0.0171	-21	401	407	MVPTTDK			Oxidation (M)[1]		Mascot
	837.4321	837.3991	-0.033	-39	450	456	TILMMGR			Oxidation (M)[4]		Mascot
	837.4321	837.3991	-0.033	-39	450	456	TILMMGR			Oxidation (M)[4]		Mascot
	864.4495	864.4656	0.0161	19	253	259	VEDVMKK			Oxidation (M)[5]		Mascot
	1118.5801	1118.4785	-0.1016	-91	620	629	GDVSSRQELK					Mascot
	1234.6096	1234.6421	0.0325	26	62	71	DEQERCITIK					Mascot
	1393.8049	1393.6879	-0.117	-84	513	525	NPADLPKLVEGLK					Mascot
	1420.7253	1420.611	-0.1143	-80	728	739	VLVYACQLTAEPR			Carbamidomethyl (C)[5]		Mascot
	1475.7896	1475.7104	-0.0792	-54	151	162	LKPVLM MNKMDR					Mascot
	1493.6835	1493.6898	0.0063	4	689	701	EGALCEENMRAVR			Oxidation (M)[9]		Mascot
	1493.6835	1493.6898	0.0063	4	689	701	EGALCEENMRAVR			Oxidation (M)[9]		Mascot
	1659.8483	1659.7222	-0.1261	-76	826	840	DAASKPCQIVADTRK			Carbamidomethyl (C)[7]		Mascot
	1659.8483	1659.7222	-0.1261	-76	826	840	DAASKPCQIVADTRK			Carbamidomethyl (C)[7]		Mascot
	1950.9524	1950.8711	-0.0813	-42	482	498	TGTITTFDQA HNM RV MK					Mascot
	1950.9524	1950.8711	-0.0813	-42	482	498	TGTITTFDQA HNM RV MK					Mascot
	2077.1296	2076.9771	-0.1525	-73	440	456	EDLYLKPIQRTILMMGR					Mascot
	2079.0579	2078.9653	-0.0926	-45	602	619	LYMKARPFDPGLAEDIDK					Mascot
	2079.0579	2078.9653	-0.0926	-45	602	619	LYMKARPFDPGLAEDIDK					Mascot
	2225.0681	2225.0479	-0.0202	-9	72	90	STAISMYE LTENDLAFIK			Oxidation (M)[6]		Mascot
	2225.0681	2225.0479	-0.0202	-9	72	90	STAISMYE LTENDLAFIK			Oxidation (M)[6]		Mascot
21	PREDICTED: transposon TX1 uncharacterized 149 kDa protein-like [Danio rerio]					gi 326664772	131122	9.55	14	33	0	

Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	1045.5499	1045.5308	-0.0191	-18	913	921	CPVAFNLPK			Carbamidomethyl (C)[1]		Mascot
	1051.5935	1051.6791	0.0856	81	824	831	FFLLNLER					Mascot
	1393.6715	1393.6879	0.0164	12	184	194	LVDCFKTMHQR			Oxidation (M)[8]		Mascot
	1434.6981	1434.7269	0.0288	20	184	194	LVDCFKTMHQR			Carbamidomethyl (C)[4]		Mascot
	1475.8251	1475.7104	-0.1147	-78	168	180	LDKTSVLLQGMVR			Oxidation (M)[11]		Mascot
	1493.8145	1493.6898	-0.1247	-83	171	183	TSVLLQGMVRDFK					Mascot
	1493.8145	1493.6898	-0.1247	-83	171	183	TSVLLQGMVRDFK					Mascot
	1950.9191	1950.8711	-0.048	-25	766	784	FDEEGGGGGNWTDLLG KAK					Mascot
	1951.0317	1950.8711	-0.1606	-82	346	362	NEMSVLSEIQSKGFILR					Mascot
	2031.0691	2030.9421	-0.127	-63	143	160	APLILAGDFNCILTNKDR			Carbamidomethyl (C)[11]		Mascot
	2076.9988	2076.9771	-0.0217	-10	1008	1027	GMAKTSICPRPGCSSPE TVR					Mascot
	2110.1067	2109.9102	-0.1965	-93	421	437	QTDEYIQLEVLNFLEKK					Mascot
	2141.9458	2141.9775	0.0317	15	190	207	TMHQREEGFTWFSGDG TR					Mascot
	2141.9458	2141.9775	0.0317	15	190	207	TMHQREEGFTWFSGDG TR					Mascot
	2225.051	2225.0479	-0.0031	-1	546	565	MSMVLEDVIHPDQACAV PGR			Carbamidomethyl (C)[15]		Mascot
	2225.051	2225.0479	-0.0031	-1	546	565	MSMVLEDVIHPDQACAV PGR			Carbamidomethyl (C)[15]		Mascot
	2300.1445	2300.093	-0.0515	-22	327	345	YFNLLNEGLDFNDEIKEV K					Mascot
	2391.1516	2391.105	-0.0466	-19	57	76	RWEELWTPGPSIWSGSN FNK					Mascot
22	zinc finger protein 384 like [Danio rerio]				gi 52218888		63383.2	9.42	10	33	0	

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
1045.5347	1045.5308	-0.0039	-4	40	48	MKEQLGPDK				Mascot
1090.506	1090.4946	-0.0114	-10	233	241	MCAVTFFSK			Carbamidomethyl (C)[2]	Mascot
1118.5986	1118.4785	-0.1201	-107	374	383	KLSLNCPTSR				Mascot
1365.6112	1365.5994	-0.0118	-9	231	241	CRMCAVTFFSK			Carbamidomethyl (C)[1], Oxidation (M)[3]	Mascot
1434.6365	1434.7269	0.0904	63	422	432	DKPYKCHNCNR			Carbamidomethyl (C)[6]	Mascot
1493.7495	1493.6898	-0.0597	-40	265	277	SFANSSYLAQHIR				Mascot
1493.7495	1493.6898	-0.0597	-40	265	277	SFANSSYLAQHIR				Mascot
1854.9821	1854.8779	-0.1042	-56	309	325	TSVLTAPNRSPTPATWR				Mascot
1972.9974	1972.8564	-0.141	-71	433	450	GYDATSLEVHLTTHTVK				Mascot

	2305.0298	2305.0833	0.0535	23	454	472	LYSCGLCNRSYTSETYL MK		Carbamidomethyl (C)[4], Oxidation (M)[18]	Mascot	
	3337.6201	3337.6675	0.0474	14	473	506	HMQKHNPDLTVAAAVA AQQAQNPQGSGGGSG R			Mascot	
23	casein kinase I isoform alpha [Danio rerio]				gi 23308639		37513.2	9.5	9	33	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1092.6676	1092.5282	-0.1394	-128	279	286	QLFRILFR					Mascot
1179.5748	1179.5645	-0.0103	-9	241	250	MSTPVEVLCK			Carbamidomethyl (C)[9], Oxidation (M)[1]		Mascot
1179.5748	1179.5645	-0.0103	-9	241	250	MSTPVEVLCK			Carbamidomethyl (C)[9], Oxidation (M)[1]		Mascot
1234.6534	1234.6421	-0.0113	-9	240	250	KMSTPVEVLCK					Mascot
1393.7178	1393.6879	-0.0299	-21	112	123	TVLMLADQMISR			Oxidation (M)[4]		Mascot
1475.7675	1475.7104	-0.0571	-39	136	148	DIKPDNFLMGIGR					Mascot
1714.8983	1714.7483	-0.15	-87	187	201	YASINAHLGIEQSRR					Mascot
1993.9476	1993.9119	-0.0357	-18	268	282	FEEAPDYMYLRQLFR			Oxidation (M)[8]		Mascot
2014.995	2014.9482	-0.0468	-23	136	152	DIKPDNFLMGIGRHCNK			Carbamidomethyl (C)[15]		Mascot
2030.9899	2030.9421	-0.0478	-24	136	152	DIKPDNFLMGIGRHCNK			Carbamidomethyl (C)[15], Oxidation (M)[9]		Mascot
2247.075	2247.0237	-0.0513	-23	303	325	QKAAQQAASSGGQGQ AQTPTF					Mascot

24	PREDICTED: telethonin [Danio rerio]				gi 68436343		20145.3	9.43	7	33	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1090.5925	1090.4946	-0.0979	-90	2	10	QVCSVLEKK			Carbamidomethyl (C)[3]		Mascot
1109.533	1109.4548	-0.0782	-70	1	9	MQVCSVLEK			Carbamidomethyl (C)[4], Oxidation (M)[1]		Mascot
1357.5835	1357.6755	0.092	68	51	61	QSMLMSDDSRR			Oxidation (M)[3,5]		Mascot
1393.6562	1393.6879	0.0317	23	11	24	GGCVVGAELSCSVR			Carbamidomethyl (C)[3]		Mascot
1464.7297	1464.7103	-0.0194	-13	10	24	KGGCVVGAELSCSVR					Mascot
2077.228	2076.9771	-0.2509	-121	101	119	NSLPLPIFKPAELGVRLG R					Mascot
2110.0874	2109.9102	-0.1772	-84	67	83	YWQVRPLHQACPSGVR R			Carbamidomethyl (C)[11]		Mascot

25	RecName: Full=Kinetochore protein Spc24				gi 115311865		23383.8	4.73	6	33	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1365.6427	1365.5994	-0.0433	-32	88	98	MEQEVQRSQSK			Oxidation (M)[1]		Mascot

	1420.7352	1420.611	-0.1242	-87	15	27	LGESLNEIIMSSK							Mascot
	2015.0193	2014.9482	-0.0711	-35	167	185	GVHYGADVVTINIDTSTR							Mascot
	2078.9739	2078.9653	-0.0086	-4	186	202	TPCEVSDLEWLVKTEW				Carbamidomethyl (C)[3]			Mascot
	2079.0283	2078.9653	-0.063	-30	71	87	LLDLQKQSQMMQEIMK							Mascot
	3337.7063	3337.6675	-0.0388	-12	156	185	LEFDTEPHILKGVHYGADVVTINIDTSTR							Mascot
26	sideroflexin 2 [Danio rerio]				gi 94732614		35587.3	9.3	8	32	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1393.7045	1393.6879	-0.0166	-12	23	33	LKHFFNITDCR					Mascot
1464.7151	1464.7103	-0.0048	-3	1	13	MEAVKGFIDAPR			Oxidation (M)[1]		Mascot
1493.6655	1493.6898	0.0243	16	72	84	LYDSAFHPDTGDR					Mascot
1493.6655	1493.6898	0.0243	16	72	84	LYDSAFHPDTGDR					Mascot
1855.0366	1854.8779	-0.1587	-86	232	248	VTMAAPGMILPIIMQR					Mascot
1871.0315	1870.8479	-0.1836	-98	232	248	VTMAAPGMILPIIMQR			Oxidation (M)[3]		Mascot
2014.9076	2014.9482	0.0406	20	6	22	GFDIDAPRWQSTFMGR			Oxidation (M)[15]		Mascot
2077.0181	2076.9771	-0.041	-20	177	195	WVPFAAVAAANCNIPMR			Oxidation (M)[17]		Mascot
2142.0503	2141.9775	-0.0728	-34	302	319	ESIISQYGEQISHVYFNK					Mascot
2142.0503	2141.9775	-0.0728	-34	302	319	ESIISQYGEQISHVYFNK					Mascot
2297.0916	2297.116	0.0244	11	91	110	MSFQVPGGMAITGFMLQFYR			Oxidation (M)[1]		Mascot

27	PREDICTED: dedicator of cytokinesis protein 9-like, partial [Danio rerio]				gi 326670443		167142.9	6.95	17	32	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.5144	0.0363	43	1303	1309	QVFTSLR					Mascot
999.5873	999.5364	-0.0509	-51	754	761	SYVKYVLK					Mascot
1107.5615	1107.5105	-0.051	-46	1452	1460	KTWLDSMAR					Mascot
1109.5044	1109.4548	-0.0496	-45	1035	1043	DDHLMTPHK			Oxidation (M)[5]		Mascot
1434.7811	1434.7269	-0.0542	-38	1185	1197	TLEGLGPVAHERR					Mascot
1464.7773	1464.7103	-0.067	-46	897	907	TLYEKFKEFLK					Mascot
1472.7678	1472.7281	-0.0397	-27	1453	1464	TWLDSMARIVHK			Oxidation (M)[6]		Mascot
1475.7271	1475.7104	-0.0167	-11	958	970	EVSAAVQECRDIR					Mascot
1493.723	1493.6898	-0.0332	-22	426	438	QDGNKLSNEDVFK					Mascot

	1493.723	1493.6898	-0.0332	-22	426	438	QDGNKLSNEDVFK						Mascot
	1633.7423	1633.8365	0.0942	58	1324	1336	ADMALFCYEILK			Carbamidomethyl (C)[4,8]			Mascot
	1854.9854	1854.8779	-0.1075	-58	1105	1123	CHTAAAAVLGSLLRSD K						Mascot
	1870.9504	1870.8479	-0.1025	-55	762	778	TETNLSNGKTVHEELAK						Mascot
	1950.879	1950.8711	-0.0079	-4	932	947	FQDLQLDYSLTDDFCK						Mascot
	1950.879	1950.8711	-0.0079	-4	932	947	FQDLQLDYSLTDDFCK						Mascot
	2283.1121	2283.1047	-0.0074	-3	735	753	VMIHVVSQCHEESLEHHL R						Mascot
	2297.2183	2297.116	-0.1023	-45	948	967	NHFVVGLLLREVSAVQE CR			Carbamidomethyl (C)[19]			Mascot
	2305.1035	2305.0833	-0.0202	-9	571	589	AFAAVLHHQQNPEFYEE FK						Mascot
	2888.4626	2888.3008	-0.1618	-56	903	926	FEFLKVVCNHEHYIPLNL PMPFGK			Oxidation (M)[20]			Mascot
28	PREDICTED: hypothetical protein LOC100003217 [Danio rerio]					gi 326678765	31640.9	5.2	8	32	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4114	842.484	0.0726	86	78	84	SREAHDK					Mascot
1112.6422	1112.5389	-0.1033	-93	168	177	NRPGSEIIVK					Mascot
1112.6422	1112.5389	-0.1033	-93	168	177	NRPGSEIIVK					Mascot
1193.5289	1193.5795	0.0506	42	53	62	LCQECGLDAK			Carbamidomethyl (C)[2,5]		Mascot
1475.7887	1475.7104	-0.0783	-53	66	77	TDLLRLSEEMR					Mascot
1493.6835	1493.6898	0.0063	4	53	65	LCQECGLDAKGSR			Carbamidomethyl (C)[2,5]		Mascot
1493.6835	1493.6898	0.0063	4	53	65	LCQECGLDAKGSR			Carbamidomethyl (C)[2,5]		Mascot
1854.9742	1854.8779	-0.0963	-52	36	52	VADATYSMSLTVGVI RR			Oxidation (M)[8]		Mascot
2077.0635	2076.9771	-0.0864	-42	33	51	SYKVADATYSMSLTVGVI R			Oxidation (M)[11]		Mascot
2210.9482	2211.0334	0.0852	39	196	214	DMDSHIGNACMKLICEMA R			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
2283.9646	2284.0989	0.1343	59	196	214	DMDSHIGNACMKLICEMA R			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]		Mascot
2299.9597	2300.093	0.1333	58	196	214	DMDSHIGNACMKLICEMA R			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]		Mascot

29 protein MMS22-like [Danio rerio] gi|194578867 138313.7 6.94 14 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4855	850.5144	0.0289	34	885	892	AAMAVFLK					Mascot
996.5108	996.5663	0.0555	56	46	54	LSSNGYISR					Mascot
999.4716	999.5364	0.0648	65	343	351	DPGFPVHCK					Mascot

1112.5443	1112.5389	-0.0054	-5	837	847	SPDAPDARAGR						Mascot
1112.5443	1112.5389	-0.0054	-5	837	847	SPDAPDARAGR						Mascot
1179.627	1179.5645	-0.0625	-53	950	959	HWSHLLATSK						Mascot
1179.627	1179.5645	-0.0625	-53	950	959	HWSHLLATSK						Mascot
1365.7484	1365.5994	-0.149	-109	46	58	LSSNGYISRGALK						Mascot
1714.921	1714.7483	-0.1727	-101	824	836	AWIRCVLQQYLHK				Carbamidomethyl (C)[5]		Mascot
1973.0194	1972.8564	-0.163	-83	560	577	ACDLLAMLPTNSTPLALR				Carbamidomethyl (C)[2], Oxidation (M)[7]		Mascot
1993.8855	1993.9119	0.0264	13	470	487	SCCSPAPVGSSSHTQLYR				Carbamidomethyl (C)[2,3]		Mascot
2077.1304	2076.9771	-0.1533	-74	133	148	QQCVLFLSYIKVFIYR				Carbamidomethyl (C)[3]		Mascot
2079.0869	2078.9653	-0.1216	-58	595	614	GLDVGALAEQLAVYFSQAAR						Mascot
2079.0869	2078.9653	-0.1216	-58	595	614	GLDVGALAEQLAVYFSQAAR						Mascot
2225.2302	2225.0479	-0.1823	-82	498	517	ILALHLSQEHAAGGAPWRQIK						Mascot
2225.2302	2225.0479	-0.1823	-82	498	517	ILALHLSQEHAAGGAPWRQIK						Mascot
2305.1897	2305.0833	-0.1064	-46	381	400	QLEDNWSFVIGLLKSICDPK						Mascot
3337.6838	3337.6675	-0.0163	-5	627	656	LALWAPLSSYLEGVSEVFETSPNLTSEER						Mascot

30 Zgc:110417 protein [Danio rerio] gi|49904437 24454.3 4.69 6 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1365.6427	1365.5994	-0.0433	-32	99	109	MEQEVQRSQSK			Oxidation (M)[1]		Mascot
1420.7352	1420.611	-0.1242	-87	26	38	LGESLNEIIMSSK					Mascot
2015.0193	2014.9482	-0.0711	-35	178	196	GVHYGADVVTIPINIDTSTR					Mascot
2078.9739	2078.9653	-0.0086	-4	197	213	TPCEVSDELWSLVKTEW			Carbamidomethyl (C)[3]		Mascot
2079.0283	2078.9653	-0.063	-30	82	98	LLDLQKQSQMMQEIMK					Mascot
3337.7063	3337.6675	-0.0388	-12	167	196	LEFDTEPHILKGVHYGADVVTIPINIDTSTR					Mascot

31 PREDICTED: centriolin-like [Danio rerio] gi|326668218 252536.3 5.69 20 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5206	842.484	-0.0366	-43	1027	1033	LNQALKR					Mascot
1045.5272	1045.5308	0.0036	3	442	450	QLEDAVSQR					Mascot
1090.5236	1090.4946	-0.029	-27	1156	1165	DAQVSRDSSGR					Mascot
1092.4779	1092.5282	0.0503	46	244	251	FHMEEVER			Oxidation (M)[3]		Mascot

1112.5946	1112.5389	-0.0557	-50	1760	1768	HEEELSKLK							Mascot
1112.5946	1112.5389	-0.0557	-50	1760	1768	HEEELSKLK							Mascot
1193.5837	1193.5795	-0.0042	-4	2163	2172	KWSADPFELT							Mascot
1357.7546	1357.6755	-0.0791	-58	2116	2127	LQTEGSIQGLRR							Mascot
1365.6678	1365.5994	-0.0684	-50	1457	1467	ELRETQSMVEVK				Oxidation (M)[8]			Mascot
1393.7434	1393.6879	-0.0555	-40	949	960	DKLHSLHSTVEK							Mascot
1416.7329	1416.8978	0.1649	116	430	441	EQQILTASEELR							Mascot
1420.6737	1420.611	-0.0627	-44	476	487	GEMEAVEKQLDR				Oxidation (M)[3]			Mascot
1460.7314	1460.7493	0.0179	12	805	815	KFMELQQEVHR				Oxidation (M)[3]			Mascot
1659.7101	1659.7222	0.0121	7	1922	1934	DPCVQPEQELCER				Carbamidomethyl (C)[3,11]			Mascot
1659.7101	1659.7222	0.0121	7	1922	1934	DPCVQPEQELCER				Carbamidomethyl (C)[3,11]			Mascot
1993.9462	1993.9119	-0.0343	-17	665	681	GQVSEYEALESQQLQQR							Mascot
2015.0403	2014.9482	-0.0921	-46	425	441	EIEAREQQILTASEELR							Mascot
2031.0353	2030.9421	-0.0932	-46	1580	1596	DQQQEEETLQSLRSVIK							Mascot
2079.0022	2078.9653	-0.0369	-18	1710	1727	CLEAAETRTSEAETELLR				Carbamidomethyl (C)[1]			Mascot
2079.0022	2078.9653	-0.0369	-18	1710	1727	CLEAAETRTSEAETELLR				Carbamidomethyl (C)[1]			Mascot
2109.9756	2109.9102	-0.0654	-31	749	766	DCLKEEVEAFQDDLNSV R							Mascot
2247.073	2247.0237	-0.0493	-22	1135	1154	RPPANGGYWVYSPNPYS HGK							Mascot
3337.8494	3337.6675	-0.1819	-54	191	220	LKPLNNLTCLTAGNPVS SLAHYHLFLIFK							Mascot

32 mitochondrial Rho GTPase 1 [Danio rerio] gi|207028743 75309 6.36 11 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4791	882.5382	0.0591	67	448	454	AIREEHK					Mascot
1112.5847	1112.5389	-0.0458	-41	264	272	HETTWAVLR					Mascot
1112.5847	1112.5389	-0.0458	-41	264	272	HETTWAVLR					Mascot
1193.7252	1193.5795	-0.1457	-122	613	622	TKLYTVILSR					Mascot
1420.7399	1420.611	-0.1289	-91	180	191	EMRTACVLALTR			Carbamidomethyl (C)[6]		Mascot
1464.7958	1464.7103	-0.0855	-58	93	104	VTSHWIPLINER					Mascot
1472.6661	1472.7281	0.062	42	537	548	QQYGMTPLFCR					Mascot
1475.6393	1475.7104	0.0711	48	138	150	YTEIETCVECSAK					Mascot
2014.9474	2014.9482	0.0008	0	550	568	HKMPPQSYTCNTAGAP SK					Mascot
2030.9423	2030.9421	-0.0002	0	550	568	HKMPPQSYTCNTAGAP SK			Oxidation (M)[3]		Mascot
2079.0903	2078.9653	-0.125	-60	75	92	ANVICIVSVNNQKSIEK			Carbamidomethyl (C)[5]		Mascot

	2079.0903	2078.9653	-0.125	-60	75	92	ANVICIVYSVNNQKSIEK					Carbamidomethyl (C)[5]	Mascot
	2283.0774	2283.1047	0.0273	12	195	214	VSDLNDGVLNDNELTFF QK						Mascot
	2300.0686	2300.093	0.0244	11	530	548	SDLPETKQQYGMPLEF CR					Carbamidomethyl (C)[18]	Mascot
33	COX15 homolog [Danio rerio]				gi 41055078		44708.6	10.13	8	31	0		

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5748	1045.5308	-0.044	-42	51	60	SAASDRLIGR					Mascot
1165.5387	1165.5503	0.0116	10	6	15	LAMCRCQAGR			Carbamidomethyl (C)[4]		Mascot
1165.5387	1165.7085	0.1698	146	6	15	LAMCRCQAGR			Carbamidomethyl (C)[4]		Mascot
1179.616	1179.5645	-0.0515	-44	2	10	MLLRLAMCR			Carbamidomethyl (C)[8], Oxidation (M)[1]		Mascot
1179.616	1179.5645	-0.0515	-44	2	10	MLLRLAMCR			Carbamidomethyl (C)[8], Oxidation (M)[1]		Mascot
1714.8833	1714.7483	-0.135	-79	81	95	LTESGLSMVDWHLVK					Mascot
2076.9695	2076.9771	0.0076	4	96	112	EMKPPQTQAEWEQEFK					Mascot
2283.2258	2283.1047	-0.1211	-53	143	161	MWGRLVGLAYILPAAYF WR					Mascot
2409.4163	2409.1289	-0.2874	-119	57	80	LIGRWLLGCSGLVLGAVV LGGVTR					Mascot
2501.3218	2501.1667	-0.1551	-62	27	50	QWLLQRGQNTVSSGAAS VGSVSIR					Mascot

34	novel immune-type receptor protein [Danio rerio]				gi 169146726		19565.8	9.07	6	31	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
999.4934	999.5364	0.043	43	58	64	ENIFWYK					Mascot
1081.4943	1081.4918	-0.0025	-2	158	166	CNKNSTTEK			Carbamidomethyl (C)[1]		Mascot
1357.8049	1357.6755	-0.1294	-95	40	52	VLAVELGSTVTLR					Mascot
1460.7494	1460.7493	-0.0001	0	80	90	LMEPIFYKEFK			Oxidation (M)[2]		Mascot
2109.9771	2109.9102	-0.0669	-32	139	157	GHQAAAFETSNFNKTCQ QK					Mascot
2888.4507	2888.3008	-0.1499	-52	4	28	DSPKNCYTISTMILWAFV TVLCVAR			Carbamidomethyl (C)[6]		Mascot

35	novel protein similar to Janus kinase family (a protein tyrosine kinase, leukocyte) [Danio rerio]				gi 169145296		125997.7	6.83	15	31	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4603	850.5144	0.0541	64	399	405	NGMFLLR					Mascot

864.4825	864.4656	-0.0169	-20	959	966	IADFGLTK						Mascot
999.4676	999.5364	0.0688	69	193	200	SCLPETHR				Carbamidomethyl (C)[2]		Mascot
1081.5095	1081.4918	-0.0177	-16	825	834	GNFGSVELCR						Mascot
1107.5867	1107.5105	-0.0762	-69	597	605	NIMVQEFVK						Mascot
1118.6238	1118.4785	-0.1453	-130	482	490	ELTNMIIIR				Oxidation (M)[5]		Mascot
1179.5277	1179.5645	0.0368	31	806	814	QQEDVFEER						Mascot
1179.6302	1179.5645	-0.0657	-56	395	405	AGGKNGMFLLR				Oxidation (M)[7]		Mascot
1475.7094	1475.7104	0.001	1	308	319	RLCQEQMPLLEGR				Oxidation (M)[7]		Mascot
1973.0306	1972.8564	-0.1742	-88	309	325	LCQEQMPLLEGRVVTLTR						Mascot
2031.1484	2030.9421	-0.2063	-102	948	966	NILVASDNLVKIADFGLTK						Mascot
2211.0791	2211.0334	-0.0457	-21	290	307	QEWQTFCDPQIIDISIK						Mascot
2225.0115	2225.0479	0.0364	16	564	582	NCWESLFEAASLMSQIS HR				Oxidation (M)[13]		Mascot
2225.0115	2225.0479	0.0364	16	564	582	NCWESLFEAASLMSQIS HR				Oxidation (M)[13]		Mascot
2247.1333	2247.0237	-0.1096	-49	920	938	LLLFASQICKGMEYLQSM R				Oxidation (M)[12]		Mascot
2409.2859	2409.1289	-0.157	-65	1035	1054	YVHSPSMAIHLTLTKNN WR				Oxidation (M)[7]		Mascot

36 PREDICTED: serine/threonine-protein kinase 40, partial gi|326675119 42203.9 6.34 8 31 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
842.4366	842.484	0.0474	56	323	329	NTIHETK						Mascot
1081.6365	1081.4918	-0.1447	-134	243	251	LLVLDPQQR						Mascot
1109.6023	1109.4548	-0.1475	-133	145	154	ITITNFCLGK						Mascot
1193.5433	1193.5795	0.0362	30	221	231	GAEYSIPEDGR						Mascot
1234.6824	1234.6421	-0.0403	-33	232	242	VSESTVCLIRK						Mascot
1434.7223	1434.7269	0.0046	3	219	231	IKGAEYSIPEDGR						Mascot
1950.9235	1950.8711	-0.0524	-27	69	85	RICLVLDCLCAHDFSDK						Mascot
1950.9235	1950.8711	-0.0524	-27	69	85	RICLVLDCLCAHDFSDK						Mascot
2142.1777	2141.9775	-0.2002	-93	345	364	RLGHDAQISPDAALLA QR						Mascot
2142.1777	2141.9775	-0.2002	-93	345	364	RLGHDAQISPDAALLA QR						Mascot

37 pre-B-cell leukemia transcription factor 2 [Danio rerio] gi|18859217 44196.6 6.32 7 31 0 9 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
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	850.41	850.5144	0.1044	123	85	91	HALNCHR													Mascot
	864.4686	864.4656	-0.003	-3	247	253	SRFLDAR													Mascot
	1051.5782	1051.6791	0.1009	96	227	235	FSSIQTQLK													Mascot
	1179.6732	1179.5645	-0.1087	-92	226	235	KFSSIQTQLK													Mascot
	1179.6732	1179.5645	-0.1087	-92	226	235	KFSSIQTQLK			9		0								Mascot
	1493.7563	1493.6898	-0.0665	-45	236	248	QSTCEAVMILRSR													Mascot
	1493.7563	1493.6898	-0.0665	-45	236	248	QSTCEAVMILRSR			1		0								Mascot
	1854.8802	1854.8779	-0.0023	-1	291	306	QCSITVSQVSNWFGNK													Mascot
	2283.1836	2283.1047	-0.0789	-35	227	246	FSSIQTQLKQSTCEAVMI LR													Mascot
38	PREDICTED: zinc finger protein 84-like [Danio rerio]					gj 326667378	61553.9	9.36	15	31	0									

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
999.4386	999.5364	0.0978	98	466	474	SFICGQCGK			Carbamidomethyl (C)[4]		Mascot
1045.4553	1045.5308	0.0755	72	492	500	EIACHQCGK			Carbamidomethyl (C)[4]		Mascot
1051.6146	1051.6791	0.0645	61	83	91	TFSLKQSLK					Mascot
1081.5031	1081.4918	-0.0113	-10	144	151	HCLEVHMR			Carbamidomethyl (C)[2]		Mascot
1092.548	1092.5282	-0.0198	-18	368	375	NELRHHR					Mascot
1107.5906	1107.5105	-0.0801	-72	167	175	RFSQSQNLK					Mascot
1109.5143	1109.4548	-0.0595	-54	25	34	EEQTGSMALK			Oxidation (M)[7]		Mascot
1165.567	1165.5503	-0.0167	-14	227	235	KDYLSQHMK			Oxidation (M)[8]		Mascot
1165.567	1165.7085	0.1415	121	227	235	KDYLSQHMK			Oxidation (M)[8]		Mascot
1179.5826	1179.5645	-0.0181	-15	479	487	KDYLTQHMK			Oxidation (M)[8]		Mascot
1179.5826	1179.5645	-0.0181	-15	479	487	KDYLTQHMK			Oxidation (M)[8]		Mascot
1493.6901	1493.6898	-0.0003	0	22	34	EDREEQTGSMALK					Mascot
1493.6901	1493.6898	-0.0003	0	22	34	EDREEQTGSMALK					Mascot
1854.885	1854.8779	-0.0071	-4	152	167	VHTGEKPFACQHCKGR			Carbamidomethyl (C)[10]		Mascot
2079.0374	2078.9653	-0.0721	-35	204	222	SHIIHHTGKKPFTCGQCGK					Mascot
2079.0374	2078.9653	-0.0721	-35	204	222	SHIIHHTGKKPFTCGQCGK					Mascot
2142.0107	2141.9775	-0.0332	-15	376	394	THTGEKPFSCVQCGKSF TK			Carbamidomethyl (C)[10]		Mascot
2142.0107	2141.9775	-0.0332	-15	376	394	THTGEKPFSCVQCGKSF TK			Carbamidomethyl (C)[10]		Mascot
2210.9851	2211.0334	0.0483	22	92	110	IHMRTHTGENLSTCEHC GK			Carbamidomethyl (C)[14]		Mascot
2284.0015	2284.0989	0.0974	43	92	110	IHMRTHTGENLSTCEHC GK			Carbamidomethyl (C)[14,17], Oxidation (M)[3]		Mascot
2297.0483	2297.116	0.0677	29	372	390	HHMRTHTGEKPFSCVQCGK			Carbamidomethyl (C)[14,17]		Mascot

39 hemoglobin beta embryonic-2 [Danio rerio] gi|47086345 16522.4 6.18 5 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1081.5017	1081.4918	-0.0099	-9	75	83	AMKNMDDIK			Oxidation (M)[2]		Mascot
1092.5143	1092.5282	0.0139	13	1	9	MVAWTAEER					Mascot
1112.5483	1112.5389	-0.0094	-8	97	105	LHVDPDNFR					Mascot
1112.5483	1112.5389	-0.0094	-8	97	105	LHVDPDNFR					Mascot
1714.9751	1714.7483	-0.2268	-132	28	41	ALQRALIVYPWTQR					Mascot
2142.0688	2141.9775	-0.0913	-43	1	18	MVAWTAEERAFIQDIFSK					Mascot
2142.0688	2141.9775	-0.0913	-43	1	18	MVAWTAEERAFIQDIFSK					Mascot

40 PREDICTED: cytosolic phospholipase A2 gamma [Danio rerio] gi|326667554 62177.6 5.81 10 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1434.7627	1434.7269	-0.0358	-25	175	186	NNPFIYTLIDK					Mascot
1464.7006	1464.7103	0.0097	7	473	484	DFYVFKNTSTDK					Mascot
1475.7773	1475.7104	-0.0669	-45	62	75	AMVGLLGSLDQLDK			Oxidation (M)[2]		Mascot
1633.8333	1633.8365	0.0032	2	118	132	RISGPPVSWSDAYAK					Mascot
1951.047	1950.8711	-0.1759	-90	486	503	APTVIHIPLFNVINCGDK					Mascot
1951.047	1950.8711	-0.1759	-90	486	503	APTVIHIPLFNVINCGDK					Mascot
2079.1418	2078.9653	-0.1765	-85	485	503	KAPTVIHIPLFNVINCGDK					Mascot
2079.1418	2078.9653	-0.1765	-85	485	503	KAPTVIHIPLFNVINCGDK					Mascot
2110.1614	2109.9102	-0.2512	-119	533	550	NISNNKQELINVINEVIR					Mascot
2211.1267	2211.0334	-0.0933	-42	382	400	NYDFLYNMRDPAVPAAL LK					Mascot
2247.0857	2247.0237	-0.062	-28	1	20	MSASNVQSESEVRIAHS LN MK			Oxidation (M)[1]		Mascot
2284.0901	2284.0989	0.0088	4	336	355	SSEDEYTLVCGLLEELQ VK					Mascot

41 myosin-Va [Danio rerio] gi|124358917 213056.8 8.69 21 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
837.3957	837.3991	0.0034	4	1723	1730	NLMTCGAK					Mascot
837.3957	837.3991	0.0034	4	1723	1730	NLMTCGAK					Mascot

	1234.5811	1234.6421	0.061	49	1541	1551	ALDGAFNQENR						Mascot
	1320.7271	1320.5431	-0.184	-139	424	434	KSTVLQQQFNK						Mascot
	1472.7816	1472.7281	-0.0535	-36	2193	2205	QEDVIATANLSRR						Mascot
	1475.7886	1475.7104	-0.0782	-53	859	872	LLADATARMVEAAK			Oxidation (M)[9]			Mascot
	1493.7628	1493.6898	-0.073	-49	1601	1614	AMLESSTGLIQTAR			Oxidation (M)[2]			Mascot
	1493.7628	1493.6898	-0.073	-49	1601	1614	AMLESSTGLIQTAR			Oxidation (M)[2]			Mascot
	2077.0779	2076.9771	-0.1008	-49	2486	2504	SKMVGGAQIIAAQEEMLR			Oxidation (M)[3,17]			Mascot
	2079.0652	2078.9653	-0.0999	-48	2095	2114	AAAGKPHDDPAMLQLKN SAK			Oxidation (M)[12]			Mascot
	2079.0652	2078.9653	-0.0999	-48	2095	2114	AAAGKPHDDPAMLQLKN SAK			Oxidation (M)[12]			Mascot
	2211.1865	2211.0334	-0.1531	-69	2059	2080	LGAASLGSEDPETQVVLI NAVK						Mascot
	2225.1846	2225.0479	-0.1367	-61	718	738	VVVAPTISSPVCQEQLIEA GK			Carbamidomethyl (C)[12]			Mascot
	2225.1846	2225.0479	-0.1367	-61	718	738	VVVAPTISSPVCQEQLIEA GK			Carbamidomethyl (C)[12]			Mascot
	2233.0952	2233.0168	-0.0784	-35	1337	1357	AVTDSINQLISMCTQQAP GQK						Mascot
	2391.135	2391.105	-0.03	-13	36	57	VPEAQLGQPSDYGLFLS DDDPK						Mascot
43	PREDICTED: myosin heavy chain, fast skeletal muscle [Danio rerio]						gi 326668722	222281	5.69	20	31	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4107	807.3746	-0.0361	-45	1446	1451	QRNFDK					Mascot
850.4338	850.5144	0.0806	95	859	865	MKEDLAK			Oxidation (M)[1]		Mascot
1081.5686	1081.4918	-0.0768	-71	435	442	MFLWMVVR					Mascot
1193.5718	1193.5795	0.0077	6	943	952	LEDECSELKK					Mascot
1357.6747	1357.6755	0.0008	1	1083	1093	KDFETSQFLSR					Mascot
1393.6702	1393.6879	0.0177	13	1758	1770	AITDAAMMAEELK					Mascot
1460.6798	1460.7493	0.0695	48	1772	1783	EQDTSAHLERMK			Oxidation (M)[11]		Mascot
1475.7158	1475.7104	-0.0054	-4	1678	1689	NNLMQAEIEELR			Oxidation (M)[4]		Mascot
1493.7166	1493.6898	-0.0268	-18	1360	1372	SMSKANSEVAQWR					Mascot
1493.7166	1493.6898	-0.0268	-18	1360	1372	SMSKANSEVAQWR					Mascot
1659.8911	1659.7222	-0.1689	-102	1290	1303	QLEEKESLVSQLTR					Mascot
1659.8911	1659.7222	-0.1689	-102	1290	1303	QLEEKESLVSQLTR					Mascot
1854.9192	1854.8779	-0.0413	-22	1177	1193	DLEESTLQHEATAAALR					Mascot
1950.9478	1950.8711	-0.0767	-39	1484	1499	MKNSYEETLDHLETLK					Mascot
1950.9478	1950.8711	-0.0767	-39	1484	1499	MKNSYEETLDHLETLK					Mascot

	1972.8601	1972.8564	-0.0037	-2	1	18	MSGDPEMECFGPAAYL R						Mascot
	2014.9651	2014.9482	-0.0169	-8	616	634	LLCHLYAAHASTEAE SGGK	Carbamidomethyl (C)[3]					Mascot
	2079.0134	2078.9653	-0.0481	-23	1589	1606	NSQRIIDSMQSTLDAEVR	Oxidation (M)[9]					Mascot
	2079.0149	2078.9653	-0.0496	-24	1327	1344	NSLAHAVQSSRHDCDLL R	Carbamidomethyl (C)[14]					Mascot
	2110.1333	2109.9102	-0.2231	-106	781	798	LVILVTMTQAVCRGYVMR	Carbamidomethyl (C)[12]					Mascot
	2142.123	2141.9775	-0.1455	-68	781	798	LVILVTMTQAVCRGYVMR	Carbamidomethyl (C)[12], Oxidation (M)[7,17]					Mascot
	2142.123	2141.9775	-0.1455	-68	781	798	LVILVTMTQAVCRGYVMR	Carbamidomethyl (C)[12], Oxidation (M)[7,17]					Mascot
	2225.1821	2225.0479	-0.1342	-60	384	403	IAYLLGLNSADMLKALCY PR						Mascot
	2225.1821	2225.0479	-0.1342	-60	384	403	IAYLLGLNSADMLKALCY PR						Mascot
	2247.1814	2247.0237	-0.1577	-70	552	570	LHDQHLGKTNCQKPKP AK	Carbamidomethyl (C)[11]					Mascot
	2297.1265	2297.116	-0.0105	-5	414	434	GQTPQVNNATMALCKS VYEK	Oxidation (M)[12]					Mascot
	2298.1985	2298.0898	-0.1087	-47	384	403	IAYLLGLNSADMLKALCY PR	Carbamidomethyl (C)[17], Oxidation (M)[12]					Mascot
44	Si:ch211-234p6.12 protein [Danio rerio]					gi 158253488	25010.6	4.76	6	30	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1090.535	1090.4946	-0.0404	-37	133	140	SVYQMYRK			Oxidation (M)[5]		Mascot
1112.5518	1112.5389	-0.0129	-12	97	106	DAAMVHLSPR			Oxidation (M)[4]		Mascot
1112.6786	1112.5389	-0.1397	-126	55	63	VRLELLVDR					Mascot
1118.5411	1118.4785	-0.0626	-56	132	139	RSVYQMYR			Oxidation (M)[6]		Mascot
1193.595	1193.5795	-0.0155	-13	201	210	GNVFDWNTIK					Mascot
1420.7583	1420.611	-0.1473	-104	199	210	VKGNVFDWNTIK					Mascot

45	PREDICTED: sorbin and SH3 domain-containing protein 1 [Danio rerio]					gi 292620207	118344.9	6.33	12	30	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4791	882.5382	0.0591	67	381	388	GQQPVPTR					Mascot
1045.5612	1045.5308	-0.0304	-29	319	326	NMFKQIHK					Mascot
1107.4816	1107.5105	0.0289	26	451	459	FFSEMDFGK					Mascot
1112.5735	1112.5389	-0.0346	-31	627	635	FDFRAESLK					Mascot
1112.5735	1112.5389	-0.0346	-31	627	635	FDFRAESLK					Mascot
1193.6426	1193.5795	-0.0631	-53	621	630	TPALARFDFR					Mascot
1434.8428	1434.7269	-0.1159	-81	786	798	LTTSPPLPRSPR					Mascot

	1464.7076	1464.7103	0.0027	2	259	272	EAVAEQSGSLYQGR										Mascot
	1950.861	1950.8711	0.0101	5	30	48	DGSSSGSGSAAPECERHI YK										Mascot
	1950.861	1950.8711	0.0101	5	491	509	DGSSSGSGSAAPECERHI YK										Mascot
	1993.9362	1993.9119	-0.0243	-12	958	974	NNSPAELRNDVEYYGR										Mascot
	2014.998	2014.9482	-0.0498	-25	756	773	VKNGVDYPDAISYSPHR										Mascot
	2078.908	2078.9653	0.0573	28	2	20	SCEDDDLCKSLFVLSSSC K										Mascot
	2078.908	2078.9653	0.0573	28	2	20	SCEDDDLCKSLFVLSSSC K										Mascot
	2282.9648	2283.1047	0.1399	61	1	20	MSCEDDDLCKSLFVLSS SCK									Carbamidomethyl (C)[3], Oxidation (M)[1]	Mascot

46 PREDICTED: cell surface A33 antigen-like [Danio rerio] gi|189516031 30531.9 5.38 4 30 0 16 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1045.571	1045.5308	-0.0402	-38	6	14	QSTVLIPCK				Carbamidomethyl (C)[8]		Mascot
1493.7706	1493.6898	-0.0808	-54	37	50	QKLSVSQDSAFAGR						Mascot
1493.7706	1493.6898	-0.0808	-54	37	50	QKLSVSQDSAFAGR	16		0			Mascot
1583.8176	1583.6996	-0.118	-75	23	36	QVSSAEWLHEKAAK						Mascot
1633.8586	1633.8365	-0.0221	-14	1	14	MCVVRQSTVLIPCK				Carbamidomethyl (C)[2]		Mascot

47 adenylate cyclase 1a [Danio rerio] gi|270132983 124545.3 8.43 1 20 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1179.5356	1179.5645	0.0289	25	21	30	SRCLAGACER	20	0		Carbamidomethyl (C)[3,8]	1	Mascot

48 spindle and kinetochore-associated protein 1 [Danio rerio] gi|50540250 29650.5 9.46 1 18 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1112.5591	1112.5389	-0.0202	-18	231	239	FVGMLNMLR	18	0		Oxidation (M)[4,7]	2	Mascot

49 histone H4 transcription factor [Danio rerio] gi|50878289 57450.1 6.44 1 18 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
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1659.82711659.7222-0.1049-63373385EHEDGFMRLQLIR180Oxidation (M)[7]2 Mascot

50Zgc:136688 [Danio rerio]gi|4990296048277.16.221170

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1179.5609	1179.5645	0.0036	3	155	163	KMQEQLCSR	17	0	Carbamidomethyl (C)[7]	2	Mascot
Gel Idx/Pos		211/11				Instr./Gel Origin		BA2060/110707A		Process Status	
Plate [#] Name		[1] 31496				Instrument Sample Name				Spectra	
										Analysis Succeeded	
										11	

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	sarcolemma associated protein b [Danio rerio]	gi 41055754	43615.1	5.82	17	732	100	635	100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
901.5101	901.4617	-0.0484	-54	242	248	KQQQLEK				Mascot
912.4243	912.4114	-0.0129	-14	102	109	DSAVFSMR				Mascot
928.4193	928.3899	-0.0294	-32	102	109	DSAVFSMR			Oxidation (M)[7]	Mascot
935.4363	935.4218	-0.0145	-16	196	202	DCESLRR			Carbamidomethyl (C)[2]	Mascot
1159.6681	1159.631	-0.0371	-32	13	22	VSLIKDELSR				Mascot
1161.5569	1161.5259	-0.031	-27	90	98	LQEEMENLR				Mascot
1177.5518	1177.5168	-0.035	-30	90	98	LQEEMENLR			Oxidation (M)[5]	Mascot
1218.6073	1218.5724	-0.0349	-29	223	233	ASLQENSSLR				Mascot
1238.6488	1238.6129	-0.0359	-29	278	287	LSVLQEEHQR				Mascot
1238.6488	1238.6129	-0.0359	-29	278	287	LSVLQEEHQR	51	99.789		Mascot
1293.6104	1293.5953	-0.0151	-12	71	81	QQAESAKQMK			Oxidation (M)[10]	Mascot
1293.6334	1293.5953	-0.0381	-29	154	163	WQQAANKYER	68	99.996		Mascot
1394.7499	1394.7052	-0.0447	-32	277	287	RLSVLQEEHQR				Mascot
1403.7125	1403.6699	-0.0426	-30	329	340	SVSLELQQSQER				Mascot
1403.7125	1403.6699	-0.0426	-30	329	340	SVSLELQQSQER	88	100		Mascot
1554.7104	1554.6597	-0.0507	-33	305	317	EYEEMQAELSGLR	89	100		Mascot
1554.7104	1554.6597	-0.0507	-33	305	317	EYEEMQAELSGLR				Mascot
1570.7053	1570.6554	-0.0499	-32	305	317	EYEEMQAELSGLR	48	99.542	Oxidation (M)[5]	Mascot
1570.7053	1570.6554	-0.0499	-32	305	317	EYEEMQAELSGLR			Oxidation (M)[5]	Mascot
1602.8156	1602.7643	-0.0513	-32	55	67	CVELQGLLEEEKR			Carbamidomethyl (C)[1]	Mascot

	1602.8156	1602.7643	-0.0513	-32	55	67	CVELQGLLEEEKR	106	100	Carbamidomethyl (C)[1]	Mascot		
	1637.8241	1637.7717	-0.0524	-32	110	123	QETHAAQE EVQLR				Mascot		
	1637.8241	1637.7717	-0.0524	-32	110	123	QETHAAQE EVQLR	110	100		Mascot		
	1802.8514	1802.7957	-0.0557	-31	37	52	LNQELQEANEQANSSK				Mascot		
	1909.9111	1909.849	-0.0621	-33	164	179	ELESVQASHQQNQQR	124	100		Mascot		
	1909.9111	1909.849	-0.0621	-33	164	179	ELESVQASHQQNQQR				Mascot		
	2299.1636	2299.1074	-0.0562	-24	33	52	VIQRLNQELQEANEQANSSK				Mascot		
2	peptidyl-prolyl cis-trans isomerase D [Danio rerio]					gi 50344784	41255.6	5.75	12	162	100	100	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
	901.489	901.4617	-0.0273	-30	315	322	AQAWQGLK					Mascot	
	953.4838	953.4365	-0.0473	-50	228	235	NIGNNFFK					Mascot	
	1026.6095	1026.5775	-0.032	-31	146	154	HVVFQGVLK					Mascot	
	1045.5425	1045.5266	-0.0159	-15	236	244	AQNWQSAIK					Mascot	
	1057.5901	1057.5588	-0.0313	-30	314	322	RAQAWQGLK					Mascot	
	1281.6473	1281.6101	-0.0372	-29	18	28	VFFDVEIGAER					Mascot	
	1281.6473	1281.6101	-0.0372	-29	18	28	VFFDVEIGAER	100	100			Mascot	
	1362.7667	1362.7224	-0.0443	-33	32	43	VVFELFADVVPK					Mascot	
	1960.8627	1960.8969	0.0342	17	252	268	YLEMCGNIVDDSSQKK			Oxidation (M)[4]		Mascot	
	1981.9105	1981.8762	-0.0343	-17	169	185	EDNPVKPCVIAECGEHK			Carbamidomethyl (C)[8,13]		Mascot	
	2081.1064	2081.0388	-0.0676	-32	32	49	VVFELFADVVPKTAENFR					Mascot	
	2230.0115	2230.0735	0.062	28	249	267	ALRYLEMCGNIVDDSSQK			Carbamidomethyl (C)[8], Oxidation (M)[7]		Mascot	
	2520.1921	2520.114	-0.0781	-31	289	309	LWQEAIESCDEVLELNQNTK			Carbamidomethyl (C)[9]		Mascot	

3	MCM6 minichromosome maintenance deficient 6, like [Danio rerio]					gi 70887711	93152.1	5.23	16	54	81.017		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
	856.49	856.4994	0.0094	11	87	93	AVRH FAR					Mascot	
	953.4761	953.4365	-0.0396	-42	168	175	YTQPTICK					Mascot	
	996.5261	996.5679	0.0418	42	194	201	FVDFQKGR					Mascot	
	1026.5367	1026.5775	0.0408	40	192	199	SRFVDFQK					Mascot	
	1165.6252	1165.7091	0.0839	72	747	755	SELINWYLK					Mascot	
	1184.627	1184.6117	-0.0153	-13	202	211	IQETQ AELPR					Mascot	

1218.7278	1218.5724	-0.1554	-128	361	372	GILLMLFGGVAK						Mascot
1238.5721	1238.6129	0.0408	33	628	637	LYCSDEVQPK	Carbamidomethyl (C)[3]					Mascot
1238.5721	1238.6129	0.0408	33	628	637	LYCSDEVQPK	Carbamidomethyl (C)[3]					Mascot
1281.7347	1281.6101	-0.1246	-97	724	734	VSNLLVLHMQK						Mascot
1281.7347	1281.6101	-0.1246	-97	724	734	VSNLLVLHMQK						Mascot
1293.6144	1293.5953	-0.0191	-15	321	330	NQMTVLEWEK	Oxidation (M)[3]					Mascot
1293.6321	1293.5953	-0.0368	-28	268	279	EGFETDGIQGLK						Mascot
1504.7312	1504.6289	-0.1023	-68	382	396	GDINVCIVGDPSTSK						Mascot
1602.7944	1602.7643	-0.0301	-19	628	640	LYCSDEVQPKHVK	Carbamidomethyl (C)[3]					Mascot
1602.7944	1602.7643	-0.0301	-19	628	640	LYCSDEVQPKHVK	Carbamidomethyl (C)[3]					Mascot
1620.8196	1620.7454	-0.0742	-46	614	627	QLESMLRLSEGMR						Mascot
2211.1875	2211.0317	-0.1558	-70	361	381	GILLMLFGGVAKTTMEGT SLR	Oxidation (M)[5]					Mascot
2297.1812	2297.1199	-0.0613	-27	575	593	QFQPKITVEAQEFVVDQY K						Mascot

4 glutathione S-transferase, C-terminal domain containing gi|255003839 67751.6 6.97 13 52 73.796
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.493	870.5117	0.0187	21	76	83	DELPLGLVK					Mascot
901.4382	901.4617	0.0235	26	546	552	EHMILCR					Mascot
935.4727	935.4218	-0.0509	-54	396	403	MSDSRALR					Mascot
996.522	996.5679	0.0459	46	186	193	VHNDKIR					Mascot
1026.5942	1026.5775	-0.0167	-16	75	83	RDELPLGLVK					Mascot
1045.571	1045.5266	-0.0444	-42	446	454	CQVILVENK					Mascot
1177.5817	1177.5168	-0.0649	-55	571	580	RCMGLVDLDR					Mascot
1230.5784	1230.5015	-0.0769	-62	1	10	MKQTDPEETHK			Oxidation (M)[1]		Mascot
1565.8356	1565.6664	-0.1692	-108	122	135	DVASLLGFKNTCLK			Carbamidomethyl (C)[12]		Mascot
1637.8363	1637.7717	-0.0646	-39	108	120	HIIQRACQLMPDR			Carbamidomethyl (C)[7]		Mascot
1637.8363	1637.7717	-0.0646	-39	108	120	HIIQRACQLMPDR			Carbamidomethyl (C)[7]		Mascot
1671.9541	1671.8359	-0.1182	-71	284	298	THSPSTLSHLPLLLR					Mascot
1960.9659	1960.8969	-0.069	-35	512	529	AGFVISPCCYGFIQNTLK					Mascot
2026.9611	2026.9514	-0.0097	-5	227	244	LSTDAVCPSSREHSDIR			Carbamidomethyl (C)[7]		Mascot

5 unnamed protein product [Danio rerio] gi|134085246 38096.9 7.52 10 51 63.828

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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				Seq.	Seq.	Score				
	856.5039	856.4994	-0.0045	-5	301	307 FPIINPR				Mascot
	1159.5564	1159.631	0.0746	64	320	329 SFGFPSKSMR		Oxidation (M)[9]		Mascot
	1161.6527	1161.5259	-0.1268	-109	59	67 FKPSHYRVK				Mascot
	1167.6125	1167.5446	-0.0679	-58	48	58 GHAILPCVMR				Mascot
	1281.6005	1281.6101	0.0096	7	308	319 EHCGGIAEPGVR		Carbamidomethyl (C)[3]		Mascot
	1281.6005	1281.6101	0.0096	7	308	319 EHCGGIAEPGVR		Carbamidomethyl (C)[3]		Mascot
	1293.5529	1293.5953	0.0424	33	289	300 CDGGWLEDGSVR				Mascot
	1293.5529	1293.5953	0.0424	33	289	300 CDGGWLEDGSVR				Mascot
	1394.7314	1394.7052	-0.0262	-19	144	155 IEGVVFPYQSQK				Mascot
	1570.7053	1570.6554	-0.0499	-32	167	180 EACAEQDATLATYK		Carbamidomethyl (C)[3]		Mascot
	1570.7053	1570.6554	-0.0499	-32	167	180 EACAEQDATLATYK		Carbamidomethyl (C)[3]		Mascot
	2080.9504	2081.0388	0.0884	42	283	300 FQQLDRCDGGWLEDGS VR				Mascot
	2211.0898	2211.0317	-0.0581	-26	1	20 MDFIALLLTSTCFFSCISA K				Mascot
	2284.1062	2284.0969	-0.0093	-4	1	20 MDFIALLLTSTCFFSCISA K		Carbamidomethyl (C)[12], Oxidation (M)[1]		Mascot
6	SH3 domain-binding protein 4-A [Danio rerio]				gi 45387913	104947.5	7.73	16	50	58.469

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
842.5822	842.4844	-0.0978	-116	634	640	LIKTVIR					Mascot	
850.4338	850.5166	0.0828	97	358	364	LSNMEIK			Oxidation (M)[4]		Mascot	
870.4726	870.5117	0.0391	45	1	7	MAHRIR			Oxidation (M)[1]		Mascot	
1045.4796	1045.5266	0.047	45	762	770	AELDSEPER					Mascot	
1161.6184	1161.5259	-0.0925	-80	347	357	CSTVSPVVEIK					Mascot	
1218.6398	1218.5724	-0.0674	-55	347	357	CSTVSPVVEIK			Carbamidomethyl (C)[1]		Mascot	
1362.6835	1362.7224	0.0389	29	733	743	TILMENLGNWR			Oxidation (M)[4]		Mascot	
1602.7329	1602.7643	0.0314	20	843	855	QQMEAYEAPHRDK					Mascot	
1602.7329	1602.7643	0.0314	20	843	855	QQMEAYEAPHRDK					Mascot	
1620.8591	1620.7454	-0.1137	-70	554	567	ADEISDFTLRVQVK					Mascot	
1671.806	1671.8359	0.0299	18	432	445	HVSFSSNVWNHMK					Mascot	
1720.8037	1720.77	-0.0337	-20	247	260	APSPEQFQNRDFR					Mascot	
1961.0381	1960.8969	-0.1412	-72	796	812	ELMMALLKIDCQGLVAR			Carbamidomethyl (C)[11]		Mascot	
2081.0188	2081.0388	0.02	10	373	390	VSMVTRTESPMAEIVCVR			Carbamidomethyl (C)[16], Oxidation (M)[4]		Mascot	
2230.2417	2230.0735	-0.1682	-75	813	831	LIMDFVLLTTAVEVAPRW R					Mascot	

	2284.2368	2284.0969	-0.1399	-61	463	484	TVVAIFGHDCAPKTLVS EVGK										Mascot
	2300.0686	2300.1023	0.0337	15	568	587	DDQDCILAQFCVQTPQP PPK					Carbamidomethyl (C)[5]					Mascot
	3337.6052	3337.6533	0.0481	14	269	298	LARSCHDLESLGQNPBW GQTQPVETNIVCK					Carbamidomethyl (C)[5]					Mascot
7	hyaluronan and proteoglycan link protein 2 [Danio rerio] gi 136255127 38069.9 7.93 10 50 57.502																

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.5039	856.4994	-0.0045	-5	301	307	FPIINPR					Mascot
1159.5564	1159.631	0.0746	64	320	329	SFGFPSKSMR			Oxidation (M)[9]		Mascot
1161.6527	1161.5259	-0.1268	-109	59	67	FKPSHYRVK					Mascot
1167.6125	1167.5446	-0.0679	-58	48	58	GHAAILPCVMR					Mascot
1281.6005	1281.6101	0.0096	7	308	319	EHC GGIAEPGVR			Carbamidomethyl (C)[3]		Mascot
1281.6005	1281.6101	0.0096	7	308	319	EHC GGIAEPGVR			Carbamidomethyl (C)[3]		Mascot
1293.5529	1293.5953	0.0424	33	289	300	CDGGWLEDGSVR					Mascot
1293.5529	1293.5953	0.0424	33	289	300	CDGGWLEDGSVR					Mascot
1394.7314	1394.7052	-0.0262	-19	144	155	IEGVVFPYQSQK					Mascot
1570.7053	1570.6554	-0.0499	-32	167	180	EACAEQDATLATYK			Carbamidomethyl (C)[3]		Mascot
1570.7053	1570.6554	-0.0499	-32	167	180	EACAEQDATLATYK			Carbamidomethyl (C)[3]		Mascot
2080.9504	2081.0388	0.0884	42	283	300	FQQLDRCDGGWLEDGS VR					Mascot
2283.1221	2283.1052	-0.0169	-7	1	20	MNFIALLTSTCFFSCISA K			Carbamidomethyl (C)[12], Oxidation (M)[1]		Mascot

8	novel protein similar to vertebrate hyaluronan and proteoglycan link protein 2 (HAPLN2) [Danio rerio] gi 122891149 38136.9 7.93 10 50 55.499																
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.5039	856.4994	-0.0045	-5	301	307	FPIINPR					Mascot
1159.5564	1159.631	0.0746	64	320	329	SFGFPSKSMR			Oxidation (M)[9]		Mascot
1161.6527	1161.5259	-0.1268	-109	59	67	FKPSHYRVK					Mascot
1167.6125	1167.5446	-0.0679	-58	48	58	GHAAILPCVMR					Mascot
1281.6005	1281.6101	0.0096	7	308	319	EHC GGIAEPGVR			Carbamidomethyl (C)[3]		Mascot
1281.6005	1281.6101	0.0096	7	308	319	EHC GGIAEPGVR			Carbamidomethyl (C)[3]		Mascot
1293.5529	1293.5953	0.0424	33	289	300	CDGGWLEDGSVR					Mascot
1293.5529	1293.5953	0.0424	33	289	300	CDGGWLEDGSVR					Mascot
1394.7314	1394.7052	-0.0262	-19	144	155	IEGVVFPYQSQK					Mascot

	1570.7053	1570.6554	-0.0499	-32	167	180	EACAEQDATLATYK		Carbamidomethyl (C)[3]	Mascot	
	1570.7053	1570.6554	-0.0499	-32	167	180	EACAEQDATLATYK		Carbamidomethyl (C)[3]	Mascot	
	2080.9504	2081.0388	0.0884	42	283	300	FQQLDRCDGGWLEDGS VR			Mascot	
	2220.1191	2220.0784	-0.0407	-18	2	20	NFIALLLTSTCFFSCINAK		Carbamidomethyl (C)[11,15]	Mascot	
9	Zgc:110248 protein [Danio rerio]				gi 34784004		67462.1	6.82	12	46	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
901.4382	901.4617	0.0235	26	542	548	EHMILCR					Mascot
935.4727	935.4218	-0.0509	-54	392	399	MSDSRALR					Mascot
996.522	996.5679	0.0459	46	182	189	VHND DKIR					Mascot
1045.571	1045.5266	-0.0444	-42	442	450	CQVILVENK					Mascot
1177.5817	1177.5168	-0.0649	-55	567	576	RCMGLVDLDR					Mascot
1184.5775	1184.6117	0.0342	29	109	117	ACQLMPHRR			Carbamidomethyl (C)[2], Oxidation (M)[5]		Mascot
1230.5784	1230.5015	-0.0769	-62	25	34	MKQTD PETHK			Oxidation (M)[1]		Mascot
1565.8356	1565.6664	-0.1692	-108	118	131	DVASLLGFKNTCLK			Carbamidomethyl (C)[12]		Mascot
1602.8468	1602.7643	-0.0825	-51	104	116	HIIQRACQLMPHR					Mascot
1602.8468	1602.7643	-0.0825	-51	104	116	HIIQRACQLMPHR					Mascot
1671.9541	1671.8359	-0.1182	-71	280	294	THSPSTLSHLPLLLR					Mascot
1960.9659	1960.8969	-0.069	-35	508	525	AGFVISPCCYGFIQNTLK					Mascot
2026.9611	2026.9514	-0.0097	-5	223	240	LSTDAVCPSSREHSDIR			Carbamidomethyl (C)[7]		Mascot

10	Gefiltin [Danio rerio]				gi 61403519		54189.8	5.23	12	44	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4427	882.5403	0.0976	111	106	112	NLEQHNK					Mascot
901.4487	901.4617	0.013	14	97	103	FAMFIEK			Oxidation (M)[3]		Mascot
1057.4731	1057.5588	0.0857	81	328	335	QIHMEDR					Mascot
1159.4871	1159.631	0.1439	124	174	181	FEEEMRMR			Oxidation (M)[5,7]		Mascot
1218.6035	1218.5724	-0.0311	-26	417	427	LYSSTSMSSKK					Mascot
1281.6508	1281.6101	-0.0407	-32	376	386	MALDIEIAAYR			Oxidation (M)[1]		Mascot
1281.6545	1281.6101	-0.0444	-35	23	34	FSASPSRLSSSR					Mascot
1602.6741	1602.7643	0.0902	56	1	14	MSYGSDIYSASSYR			Oxidation (M)[1]		Mascot
1602.6741	1602.7643	0.0902	56	1	14	MSYGSDIYSASSYR			Oxidation (M)[1]		Mascot
1620.7898	1620.7454	-0.0444	-27	194	207	DVDNASMVRDLLEK			Oxidation (M)[7]		Mascot

1720.8096	1720.77	-0.0396	-23	436	452	QQSGKPGKGSSQSDDS K	Mascot
1961.0087	1960.8969	-0.1118	-57	125	140	QTEPSRLAELYQQEIR	Mascot
2233.0229	2233.011	-0.0119	-5	259	277	GQYEAMASKNLQSAEE WYK	Mascot

11 internexin neuronal intermediate filament protein, alpha b [Danio rerio] gi|18858755 54390.9 5.23 12 44 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4427	882.5403	0.0976	111	108	114	NLEQHNK					Mascot
901.4487	901.4617	0.013	14	99	105	FAMFIEK			Oxidation (M)[3]		Mascot
1057.4731	1057.5588	0.0857	81	330	337	QIHEMEDR					Mascot
1159.4871	1159.631	0.1439	124	176	183	FEEEMRMR			Oxidation (M)[5,7]		Mascot
1218.6035	1218.5724	-0.0311	-26	419	429	LYSSTSMSSKK					Mascot
1281.6508	1281.6101	-0.0407	-32	378	388	MALDIEIAAYR			Oxidation (M)[1]		Mascot
1281.6545	1281.6101	-0.0444	-35	23	34	FSASPSRLSSSR					Mascot
1602.6741	1602.7643	0.0902	56	1	14	MSYGSDIYSASSYR			Oxidation (M)[1]		Mascot
1602.6741	1602.7643	0.0902	56	1	14	MSYGSDIYSASSYR			Oxidation (M)[1]		Mascot
1620.7898	1620.7454	-0.0444	-27	196	209	DVDNASMVRDLLEK			Oxidation (M)[7]		Mascot
1720.8096	1720.77	-0.0396	-23	438	454	QQSGKPGKGSSQSDDS K					Mascot
1961.0087	1960.8969	-0.1118	-57	127	142	QTEPSRLAELYQQEIR					Mascot
2233.0229	2233.011	-0.0119	-5	261	279	GQYEAMASKNLQSAEE WYK					Mascot

12 RecName: Full=SH3 domain-binding protein 4-A gi|123888628 108383 7.89 16 44 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5822	842.4844	-0.0978	-116	663	669	LIKTVIR					Mascot
850.4338	850.5166	0.0828	97	387	393	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.5117	0.0391	45	1	7	MAHRIR			Oxidation (M)[1]		Mascot
1045.4796	1045.5266	0.047	45	791	799	AELDSEPER					Mascot
1161.6184	1161.5259	-0.0925	-80	376	386	CSTVSPVVEIK					Mascot
1218.6398	1218.5724	-0.0674	-55	376	386	CSTVSPVVEIK			Carbamidomethyl (C)[1]		Mascot
1362.6835	1362.7224	0.0389	29	762	772	TILMENLGNWR			Oxidation (M)[4]		Mascot
1602.7329	1602.7643	0.0314	20	872	884	QQMEAYEAPHRDK					Mascot
1602.7329	1602.7643	0.0314	20	872	884	QQMEAYEAPHRDK					Mascot
1620.8591	1620.7454	-0.1137	-70	583	596	ADEISDFTLRVQVK					Mascot

	1671.806	1671.8359	0.0299	18	461	474	HVSFSSNVWNHMKV		Mascot	
	1720.8037	1720.77	-0.0337	-20	276	289	APSPEQFQNRDFR		Mascot	
	2026.9792	2026.9514	-0.0278	-14	825	841	ELMMALLKMDCQGLVAR	Carbamidomethyl (C)[11], Oxidation (M)[3,4,9]	Mascot	
	2081.0188	2081.0388	0.02	10	402	419	VSVMTRTESPMAEIVCVR	Carbamidomethyl (C)[16], Oxidation (M)[4]	Mascot	
	2230.2417	2230.0735	-0.1682	-75	842	860	LIMDFVLLTTAVEVAPRW R		Mascot	
	2284.2368	2284.0969	-0.1399	-61	492	513	TVVAIFGHDCAPKTL LVS EVGK		Mascot	
	2300.0686	2300.1023	0.0337	15	597	616	DDQDCILAQFCVQTQP PPK	Carbamidomethyl (C)[5]	Mascot	
	3337.6052	3337.6533	0.0481	14	298	327	LARSCHDLESLGQNP GWGQTQP VETNIVCK	Carbamidomethyl (C)[5]	Mascot	
13	novel protein similar to MCM6 minichromosome maintenance deficient 6, mitotin (S. cerevisiae) (mcm6				gi 169158286	93177.2	5.26	14	43	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	856.4523	856.4994	0.0471	55	112	118 DSEKHLK					Mascot
	935.4614	935.4218	-0.0396	-42	148	154 LNEEMKR			Oxidation (M)[5]		Mascot
	996.4818	996.5679	0.0861	86	67	74 NVCESFLK			Carbamidomethyl (C)[3]		Mascot
	1045.5887	1045.5266	-0.0621	-59	132	140 KEELNTALK					Mascot
	1165.6285	1165.7091	0.0806	69	95	103 LKLFCLDK			Carbamidomethyl (C)[5]		Mascot
	1230.6477	1230.5015	-0.1462	-119	155	164 EFEKTAQHIK					Mascot
	1281.6256	1281.6101	-0.0155	-12	67	76 NVCESFLKER			Carbamidomethyl (C)[3]		Mascot
	1281.6256	1281.6101	-0.0155	-12	67	76 NVCESFLKER	10	0	Carbamidomethyl (C)[3]		Mascot
	1362.7124	1362.7224	0.01	7	387	398 VSGFRVDQALDR					Mascot
	1790.8589	1790.8342	-0.0247	-14	81	96 SSGSEEICSLHSEKLK			Carbamidomethyl (C)[8]		Mascot
	2081.0696	2081.0388	-0.0308	-15	209	226 EKLEEMNTHISALSHTIK					Mascot
	2282.9534	2283.1052	0.1518	66	369	386 GWGFFNSDVWCVCYGS			Carbamidomethyl (C)[11,13]		Mascot
	2297.0054	2297.1199	0.1145	50	368	386 KGWGFNSDVWCVCYGS					Mascot
15	PREDICTED: hypothetical protein LOC559994 [Danio rerio]					gi 326677062	1030064.3	5.62	46	41	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	850.5185	850.5166	-0.0019	-2	8569	8575 IKPFAFK					Mascot
	856.5138	856.4994	-0.0144	-17	1082	1089 LGIIEPSK					Mascot
	864.4321	864.4419	0.0098	11	3272	3278 EERAFAGR					Mascot
	870.5559	870.5117	-0.0442	-51	1536	1542 ALLLWVR					Mascot
	882.4679	882.5403	0.0724	82	3102	3108 NLHEELK					Mascot
	912.3727	912.4114	0.0387	42	4102	4109 MTADSESR			Oxidation (M)[1]		Mascot
	953.4244	953.4365	0.0121	13	5893	5900 QDVTMSEK			Oxidation (M)[5]		Mascot
	1026.5579	1026.5775	0.0196	19	4148	4156 TLNLHTEAK					Mascot
	1045.5636	1045.5266	-0.037	-35	8277	8285 DLEVRSQAK					Mascot
	1057.5636	1057.5588	-0.0048	-5	69	77 IAELAQQER					Mascot
	1159.6252	1159.631	0.0058	5	6638	6647 QIGADIMRQK					Mascot
	1161.5754	1161.5259	-0.0495	-43	5447	5457 SMPAVASPVMR			Oxidation (M)[2]		Mascot
	1167.4946	1167.5446	0.05	43	8777	8786 CSLSSAEEER			Carbamidomethyl (C)[1]		Mascot
	1177.5704	1177.5168	-0.0536	-46	5447	5457 SMPAVASPVMR			Oxidation (M)[2,10]		Mascot
	1184.627	1184.6117	-0.0153	-13	5738	5747 DIVQSKHTEK					Mascot
	1218.6688	1218.5724	-0.0964	-79	4110	4120 QTSEITVLATR					Mascot

1230.5129	1230.5015	-0.0114	-9	7465	7474	MMLDESEGYR			Mascot
1237.6093	1237.626	0.0167	13	5301	5311	TLQQGVMTSEK	Oxidation (M)[8]		Mascot
1238.5504	1238.6129	0.0625	50	5158	5168	SMPTDASQVMR	Oxidation (M)[2]		Mascot
1238.5504	1238.6129	0.0625	50	5158	5168	SMPTDASQVMR	Oxidation (M)[2]		Mascot
1281.6296	1281.6101	-0.0195	-15	2021	2030	LNMQWADFIK	Oxidation (M)[3]		Mascot
1281.6296	1281.6101	-0.0195	-15	2021	2030	LNMQWADFIK	Oxidation (M)[3]		Mascot
1293.6118	1293.5953	-0.0165	-13	607	616	FCMYQGLLYR			Mascot
1293.6118	1293.5953	-0.0165	-13	607	616	FCMYQGLLYR			Mascot
1336.6412	1336.6097	-0.0315	-24	8640	8650	EENTVEMLISR	Oxidation (M)[7]		Mascot
1362.7297	1362.7224	-0.0073	-5	3360	3371	EQCASLTELKK			Mascot
1394.7235	1394.7052	-0.0183	-13	6306	6316	ELQFEMELLVK	Oxidation (M)[6]		Mascot
1504.6995	1504.6289	-0.0706	-47	1543	1555	DQCQKVGCPASVR	Carbamidomethyl (C)[3,8]		Mascot
1554.7733	1554.6597	-0.1136	-73	7222	7233	RELLFEMQEFGFGR			Mascot
1554.7733	1554.6597	-0.1136	-73	7222	7233	RELLFEMQEFGFGR			Mascot
1570.7682	1570.6554	-0.1128	-72	7222	7233	RELLFEMQEFGFGR	Oxidation (M)[7]		Mascot
1570.8489	1570.6554	-0.1935	-123	1177	1191	VLAFLHGLHAPASFQR		3 0	Mascot
1620.8666	1620.7454	-0.1212	-75	6168	6182	WSAVLLATSTMAELK			Mascot
1637.7874	1637.7717	-0.0157	-10	6757	6771	MACQETADKIEAISK			Mascot
1637.7878	1637.7717	-0.0161	-10	5561	5575	HVVTDATSSHIDAR			Mascot
1671.718	1671.8359	0.1179	71	8383	8396	IHDVEDQWQACGDR			Mascot
1681.9312	1681.8882	-0.043	-26	178	191	EEWVFHLLPLLTGK			Mascot
1720.733	1720.77	0.037	22	4095	4109	TSESEYKMTADSESR			Mascot
1802.9429	1802.7957	-0.1472	-82	1305	1321	AAVLTDVMGSRSPNQLK	Oxidation (M)[7]		Mascot
1910.0051	1909.849	-0.1561	-82	2939	2955	TIHPCLAQEEKATVEK			Mascot
1910.0051	1909.849	-0.1561	-82	2939	2955	TIHPCLAQEEKATVEK			Mascot
2026.9611	2026.9514	-0.0097	-5	5274	5291	VKQHVVTDAETSSHMDA R	Oxidation (M)[15]		Mascot
2211.126	2211.0317	-0.0943	-43	8508	8526	MSAAELQTTGVYIRLELC R	Carbamidomethyl (C)[18]		Mascot
2220.0806	2220.0784	-0.0022	-1	1286	1304	SFLGMAGFYHRFIPNFSG R	Oxidation (M)[5]		Mascot
2224.9873	2225.0457	0.0584	26	4312	4333	VTDAETSSQIGACAEDNE SGIK			Mascot
2224.9873	2225.0457	0.0584	26	4312	4333	VTDAETSSQIGACAEDNE SGIK			Mascot
2230.1643	2230.0735	-0.0908	-41	6653	6671	DSLLALESVKHMLMELLC K	Carbamidomethyl (C)[18]		Mascot
2233.0012	2233.011	0.0098	4	8235	8252	DSTELEEWMRCAHEQLQ K			Mascot
2283.1333	2283.1052	-0.0281	-12	7195	7214	ESPQICQDLQSLLGHCRS LR			Mascot
2284.022	2284.0969	0.0749	33	3439	3458	RVLDCDAPFESEADTL MDR			Mascot

	2297.1455	2297.1199	-0.0256	-11	8621	8639	VLLNQHWERLGELMNSSDR							Mascot
	2299.0984	2299.1074	0.009	4	2881	2901	VEDIQHLTVSSDLAPCQNSR							Mascot
	2300.0168	2300.1023	0.0855	37	3439	3458	RVLDCDAPFESEADTLMDR			Oxidation (M)[18]				Mascot
	2442.2698	2442.0718	-0.198	-81	570	590	LPVNIVQMQQEDASLVPLYLER							Mascot
	2520.1438	2520.114	-0.0298	-12	357	376	KMPICYLCNQEGHTKPM CPR			Carbamidomethyl (C)[5,8,18]				Mascot
16	novel protein with Zinc finger, C3HC4 type (RING finger) and B-box zinc finger domains [Danio rerio]				gi 220672798		33474.8	7.53	11	41	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4573	864.4419	-0.0154	-18	152	158	VKGEFER					Mascot
912.4131	912.4114	-0.0017	-2	282	288	MQDIVQY			Oxidation (M)[1]		Mascot
935.4693	935.4218	-0.0475	-51	154	161	GEFERAAR					Mascot
1045.6152	1045.5266	-0.0886	-85	57	66	GHPPVNLALK					Mascot
1057.6251	1057.5588	-0.0663	-63	132	140	KEELNIALK					Mascot
1165.6285	1165.7091	0.0806	69	95	103	LKLFCELEDK			Carbamidomethyl (C)[5]		Mascot
1281.5636	1281.6101	0.0465	36	104	115	QPACLVCTSEK					Mascot
1281.5636	1281.6101	0.0465	36	104	115	QPACLVCTSEK					Mascot
1720.8435	1720.77	-0.0735	-43	67	80	NLCFLAEGNERR			Carbamidomethyl (C)[3]		Mascot
1790.8589	1790.8342	-0.0247	-14	81	96	SSGSEEICSLHSEKLK			Carbamidomethyl (C)[8]		Mascot
2081.0696	2081.0388	-0.0308	-15	209	226	EKLEEMNTHISALSHTIK					Mascot
2296.9922	2297.1199	0.1277	56	1	19	MASSAEYDYICPVCQDIK			Carbamidomethyl (C)[11,14]		Mascot

17 hypothetical protein LOC796228 [Danio rerio] gi|160333607 34755.4 7.57 8 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1184.5582	1184.6117	0.0535	45	13	24	GGGTPFSFTGEK					Mascot
1336.6677	1336.6097	-0.058	-43	117	129	DVGSGFCLGIVGR			Carbamidomethyl (C)[7]		Mascot
1394.7018	1394.7052	0.0034	2	165	176	VAMEEIKSVTCK			Carbamidomethyl (C)[11]		Mascot
1570.8687	1570.6554	-0.2133	-136	246	259	NETLTTTVEIPPKK					Mascot
1570.8687	1570.6554	-0.2133	-136	246	259	NETLTTTVEIPPKK					Mascot
1637.7781	1637.7717	-0.0064	-4	98	111	GVEFFAHMTDWGLK					Mascot
1637.7781	1637.7717	-0.0064	-4	98	111	GVEFFAHMTDWGLK					Mascot
1681.7271	1681.8882	0.1611	96	130	143	SSEDITCMGFMFLK			Carbamidomethyl (C)[7], Oxidation (M)[8]		Mascot

	2284.0854	2284.0969	0.0115	5	98	116	GVEFFAHMTDWGLKTEY PR										Mascot
	2300.0803	2300.1023	0.022	10	98	116	GVEFFAHMTDWGLKTEY PR					Oxidation (M)[8]					Mascot
	2520.1897	2520.114	-0.0757	-30	1	24	MAYPTTLELCGRGGGTP FSFTGEK										Mascot
18	novel protein (zgc:77010) [Danio rerio]					gi 169158538	18888.4	5.22	6	38	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
882.4211	882.5403	0.1192	135	139	145	MCSFLPK				Carbamidomethyl (C)[2]		Mascot
1336.693	1336.6097	-0.0833	-62	28	39	IACLSAPSVYQK				Carbamidomethyl (C)[3]		Mascot
1403.6624	1403.6699	0.0075	5	156	166	CYVNYESRLLS				Carbamidomethyl (C)[1]		Mascot
1403.6624	1403.6699	0.0075	5	156	166	CYVNYESRLLS				Carbamidomethyl (C)[1]		Mascot
1585.8076	1585.7406	-0.067	-42	119	133	ILLCTGAIMEEHAGK						Mascot
1637.6901	1637.7717	0.0816	50	1	13	MSQFWYSEETASR				Oxidation (M)[1]		Mascot
1637.6901	1637.7717	0.0816	50	1	13	MSQFWYSEETASR				Oxidation (M)[1]		Mascot
2225.2031	2225.0457	-0.1574	-71	119	138	ILLCTGAIMEEHAGKLLDL K				Carbamidomethyl (C)[4]		Mascot
2225.2031	2225.0457	-0.1574	-71	119	138	ILLCTGAIMEEHAGKLLDL K				Carbamidomethyl (C)[4]		Mascot

19	meiotic recombination 11 homolog A [Danio rerio]					gi 47777304	70375.3	5.37	8	37	0	15	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
935.4832	935.4218	-0.0614	-66	460	467	AVQEFVDK						Mascot
1161.5391	1161.5259	-0.0132	-11	610	619	TKSIMDGCLH				Carbamidomethyl (C)[8]		Mascot
1177.5341	1177.5168	-0.0173	-15	610	619	TKSIMDGCLH				Carbamidomethyl (C)[8], Oxidation (M)[5]		Mascot
1281.5208	1281.6101	0.0893	70	72	81	TMHSCMEVMR				Carbamidomethyl (C)[5]		Mascot
1281.5208	1281.6101	0.0893	70	72	81	TMHSCMEVMR				Carbamidomethyl (C)[5]		Mascot
1403.7529	1403.6699	-0.083	-59	177	189	IALLYGLGSIPDER						Mascot
1403.7529	1403.6699	-0.083	-59	177	189	IALLYGLGSIPDER	15		0			Mascot
1554.885	1554.6597	-0.2253	-145	163	176	VEISPVLLQKGDTR						Mascot
1554.885	1554.6597	-0.2253	-145	163	176	VEISPVLLQKGDTR						Mascot
1637.7264	1637.7717	0.0453	28	368	381	VDYSGGFEVFNTR				Oxidation (M)[13]		Mascot
1637.8251	1637.7717	-0.0534	-33	193	205	MFVNNQVTMLRPR				Oxidation (M)[1,9]		Mascot
2225.0212	2225.0457	0.0245	11	333	350	VQAFCEKVEEMLEEAER				Carbamidomethyl (C)[5]		Mascot
2225.0212	2225.0457	0.0245	11	333	350	VQAFCEKVEEMLEEAER				Carbamidomethyl (C)[5]		Mascot

20 Glutathione peroxidase 1b [Danio rerio] gi|51859004 16361.4 7.68 6 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
928.4305	928.3899	-0.0406	-44	1	7 MNELHER					Mascot
1165.6099	1165.7091	0.0992	85	125	135 FLTSGIDGDIK					Mascot
1177.6187	1177.5168	-0.1019	-87	91	99 FIIWSPVCR			Carbamidomethyl (C)[8]		Mascot
1293.7048	1293.5953	-0.1095	-85	125	136 FLTSGIDGDIKK					Mascot
1293.7048	1293.5953	-0.1095	-85	125	136 FLTSGIDGDIKK					Mascot
1403.6736	1403.6699	-0.0037	-3	1	11 MNELHERFAEK					Mascot
1403.6736	1403.6699	-0.0037	-3	1	11 MNELHERFAEK					Mascot
2297.1602	2297.1199	-0.0403	-18	100	119 NDIAWNFEKFLIGSDGVP FK					Mascot

21 Fgfr4 protein [Danio rerio] gi|66267492 99657.1 6 9 37 0 21 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
870.425	870.5117	0.0867	100	502	508 MQVHPSR			Oxidation (M)[1]		Mascot
1045.5636	1045.5266	-0.037	-35	21	30 SITSGEPRAK					Mascot
1159.5643	1159.631	0.0667	58	256	264 APYWTHTQR					Mascot
1281.6256	1281.6101	-0.0155	-12	698	708 DLVSCAYQVAR			Carbamidomethyl (C)[5]		Mascot
1281.6256	1281.6101	-0.0155	-12	698	708 DLVSCAYQVAR			Carbamidomethyl (C)[5]		Mascot
1515.8101	1515.7034	-0.1067	-70	280	293 FRCPATGSPLTIR					Mascot
1790.9119	1790.8342	-0.0777	-43	161	175 LRCDTNRPGAVQWFK					Mascot
1909.9337	1909.849	-0.0847	-44	834	848 ECWHAVPTQKQIQER	21	0	Carbamidomethyl (C)[2]		Mascot
1909.9337	1909.849	-0.0847	-44	834	848 ECWHAVPTQKQIQER			Carbamidomethyl (C)[2]		Mascot
2232.9946	2233.011	0.0164	7	814	831 EGHKMDKPSNCTHELYM K			Carbamidomethyl (C)[11]		Mascot
2299.2375	2299.1074	-0.1301	-57	2	20 LSILKVFIACFMELVCSR			Carbamidomethyl (C)[11,17]		Mascot

22 Ppp1r13b protein [Danio rerio] gi|116487957 36879.9 5.66 8 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
928.441	928.3899	-0.0511	-55	204	211 ALGDFDYK					Mascot
1161.5508	1161.5259	-0.0249	-21	13	23 HNAHGEGNGLR					Mascot
1184.5518	1184.6117	0.0599	51	24	33 YGLSSMQGWR					Mascot

1238.5946	1238.6129	0.0183	15	319	329	YLQNREGGACK					Mascot
1238.5946	1238.6129	0.0183	15	319	329	YLQNREGGACK					Mascot
1362.6471	1362.7224	0.0753	55	111	121	TGFLQIDEHMR			Oxidation (M)[10]		Mascot
1394.717	1394.7052	-0.0118	-8	1	12	MGAFLDKPKMEK					Mascot
1565.7238	1565.6664	-0.0574	-37	10	23	MEKHNAHGEGNGLR			Oxidation (M)[1]		Mascot
1802.8966	1802.7957	-0.1009	-56	107	121	NGIRTGFLQIDEHMR			Oxidation (M)[14]		Mascot

23 Ppp1r13b protein [Danio rerio] gi|79151961 37561.5 6.37 8 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
928.441	928.3899	-0.0511	-55	204	211	ALGDFDYK					Mascot
1161.5508	1161.5259	-0.0249	-21	13	23	HNAHGEGNGLR					Mascot
1184.5518	1184.6117	0.0599	51	24	33	YGLSSMQGWR					Mascot
1238.5946	1238.6129	0.0183	15	319	329	YLQNREGGACK					Mascot
1238.5946	1238.6129	0.0183	15	319	329	YLQNREGGACK					Mascot
1362.6471	1362.7224	0.0753	55	111	121	TGFLQIDEHMR			Oxidation (M)[10]		Mascot
1394.717	1394.7052	-0.0118	-8	1	12	MGAFLDKPKMEK					Mascot
1565.7238	1565.6664	-0.0574	-37	10	23	MEKHNAHGEGNGLR			Oxidation (M)[1]		Mascot
1802.8966	1802.7957	-0.1009	-56	107	121	NGIRTGFLQIDEHMR			Oxidation (M)[14]		Mascot

24 PREDICTED: interferon-inducible GTPase 5 [Danio rerio] gi|292622297 54573.7 5.69 9 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1026.4924	1026.5775	0.0851	83	180	187	QDCEKYLK					Mascot
1167.6117	1167.5446	-0.0671	-57	5	14	VQEDHLGTIR					Mascot
1184.6357	1184.6117	-0.024	-20	234	243	MLHGGWLKAR			Oxidation (M)[1]		Mascot
1515.7625	1515.7034	-0.0591	-39	263	276	LQNMYKSTGFGAAK					Mascot
1554.7546	1554.6597	-0.0949	-61	15	28	DVFAGESPETIPHR					Mascot
1554.7546	1554.6597	-0.0949	-61	15	28	DVFAGESPETIPHR					Mascot
1570.7529	1570.6554	-0.0975	-62	167	179	SKFSETQALEQMR	4	0	Oxidation (M)[12]		Mascot
1570.7529	1570.6554	-0.0975	-62	167	179	SKFSETQALEQMR			Oxidation (M)[12]		Mascot
1981.9647	1981.8762	-0.0885	-45	429	444	EKLSEQQMFLINSQDR			Oxidation (M)[8]		Mascot
2081.0161	2081.0388	0.0227	11	224	241	AEEFSGFLDKMLHGGWLK			Oxidation (M)[11]		Mascot
2283.0349	2283.1052	0.0703	31	337	355	FWDISGIEAVMDYSVFEMK			Oxidation (M)[11]		Mascot

	2299.0298	2299.1074	0.0776	34	337	355	FWDISGIEAVMDYSVFEM K				Oxidation (M)[11,18]	Mascot
25	PREDICTED: neuroblast differentiation-associated protein AHNAK [Danio rerio]					gi 292618776	360101	9.01	26	36	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
	864.4681	864.4419	-0.0262	-30	3301	3307	MNVLKLM				Oxidation (M)[1]	Mascot
	901.4988	901.4617	-0.0371	-41	50	57	NEAVDILK					Mascot
	1026.6306	1026.5775	-0.0531	-52	2169	2177	INSPKLNLK					Mascot
	1051.5782	1051.6823	0.1041	99	408	416	IKSSDLNFK					Mascot
	1159.5742	1159.631	0.0568	49	440	450	NPNDFGLTGPK					Mascot
	1218.5857	1218.5724	-0.0133	-11	880	890	LPDMDMPSGKK					Mascot
	1230.5961	1230.5015	-0.0946	-77	1510	1521	SPDIDLNGQSGK					Mascot
	1293.7235	1293.5953	-0.1282	-99	818	829	FKMPSLGLSGLK				Oxidation (M)[3]	Mascot
	1293.7235	1293.5953	-0.1282	-99	818	829	FKMPSLGLSGLK				Oxidation (M)[3]	Mascot
	1336.693	1336.6097	-0.0833	-62	2984	2995	MPDIGFSGQKIK				Oxidation (M)[1]	Mascot
	1362.5586	1362.7224	0.1638	120	340	351	MMTSEMDVSTSK				Oxidation (M)[1]	Mascot
	1394.5485	1394.7052	0.1567	112	340	351	MMTSEMDVSTSK				Oxidation (M)[1,2,6]	Mascot
	1403.6835	1403.6699	-0.0136	-10	1948	1960	GGIDTPDMDLTLR					Mascot
	1403.6835	1403.6699	-0.0136	-10	1948	1960	GGIDTPDMDLTLR					Mascot
	1515.6342	1515.7034	0.0692	46	146	158	MCLAPSETEFDEK				Oxidation (M)[1]	Mascot
	1565.7186	1565.6664	-0.0522	-33	2732	2745	TDLTLPNMDMPSSK				Oxidation (M)[8]	Mascot
	1720.7562	1720.77	0.0138	8	2926	2939	EPHFDDIDHPDIR					Mascot
	1790.83	1790.8342	0.0042	2	2493	2509	GMTTDLTPPDINMPSGK				Oxidation (M)[2]	Mascot
	1802.83	1802.7957	-0.0343	-19	1343	1359	GPQTDLTLPDMDMPSGK					Mascot
	1909.9696	1909.849	-0.1206	-63	1522	1538	FNMAKPKMPSLNMSGLK				Oxidation (M)[3]	Mascot
	1909.9696	1909.849	-0.1206	-63	2220	2236	FNMAKPKMPSLNMSGLK				Oxidation (M)[3]	Mascot
	1960.9321	1960.8969	-0.0352	-18	2077	2093	TPDYDLKTPDMDLSPPR					Mascot
	1982.0375	1981.8762	-0.1613	-81	1973	1991	SPDIDLNGPSGKLNMAKP K					Mascot
	2026.9209	2026.9514	0.0305	15	1713	1730	GGIDTPDMDMTLRQADF K				Oxidation (M)[8]	Mascot
	2225.0464	2225.0457	-0.0007	0	1013	1032	IKGGIDTPDMDMTLPQAD FK				Oxidation (M)[10,12]	Mascot
	2225.0464	2225.0457	-0.0007	0	1248	1267	IKGGIDTPDMDMTLPQAD FK				Oxidation (M)[10,12]	Mascot
	2230.0557	2230.0735	0.0178	8	2237	2257	GPHMNADVDPDLNLTA STPK					Mascot
	2283.1648	2283.1052	-0.0596	-26	2583	2603	KPNIDMNAPDLINSPSG KLK				Oxidation (M)[6]	Mascot
	2284.1853	2284.0969	-0.0884	-39	2630	2650	TPQIKGGIDTPDMDLNLL				Oxidation (M)[13]	Mascot

	2299.0217	2299.1074	0.0857	37	2132	2152	QAK TPDLDMNAPDFDINASSG KMK					Oxidation (M)[6,20]	Mascot
	2420.2173	2420.0591	-0.1582	-65	3137	3157	MTRHLPDSPDVTMALPT PRPR					Oxidation (M)[1,13]	Mascot
26	PREDICTED: alpha-(1,3)-fucosyltransferase-like [Danio rerio]					gi 326666214	43300	7.59	8	36	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4451	850.5166	0.0715	84	232	238	ETLTRCK					Mascot
912.3914	912.4114	0.02	22	1	8	MTNTACQK			Oxidation (M)[1]		Mascot
953.4178	953.4365	0.0187	20	1	8	MTNTACQK			Carbamidomethyl (C)[6]		Mascot
1057.5789	1057.5588	-0.0201	-19	211	219	HIDIYALGR					Mascot
1403.6736	1403.6699	-0.0037	-3	81	92	FNIDGCHLTDR					Mascot
1403.6736	1403.6699	-0.0037	-3	81	92	FNIDGCHLTDR					Mascot
1570.7834	1570.6554	-0.128	-81	187	198	LVCWIVSHWNEK			Carbamidomethyl (C)[3]		Mascot
1570.7834	1570.6554	-0.128	-81	187	198	LVCWIVSHWNEK			Carbamidomethyl (C)[3]		Mascot
1790.8806	1790.8342	-0.0464	-26	169	183	NEDTEDKIFPQVLDK					Mascot
2283.0603	2283.1052	0.0449	20	239	256	FYLSFENTNVHYDYITEK					Mascot
2520.197	2520.114	-0.083	-33	71	92	QLGLNSCSEKFNIDGCHLTDR			Carbamidomethyl (C)[7]		Mascot

27	vacuolar protein sorting 13 homolog A [Danio rerio]					gi 169646798	360027.6	5.83	26	36	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.5654	856.4994	-0.066	-77	1549	1555	IALWLLK					Mascot
882.493	882.5403	0.0473	54	1842	1849	TVISFTSK					Mascot
935.4866	935.4218	-0.0648	-69	1566	1573	TEMNVVVK			Oxidation (M)[3]		Mascot
953.5778	953.4365	-0.1413	-148	551	559	SAPILLSPR					Mascot
1026.6346	1026.5775	-0.0571	-56	65	72	LELKIPWK					Mascot
1045.5636	1045.5266	-0.037	-35	810	819	NTQATPKASK					Mascot
1057.6074	1057.5588	-0.0486	-46	1556	1565	CLAPDKLVAK					Mascot
1184.627	1184.6117	-0.0153	-13	3185	3194	LEDARENLPK					Mascot
1230.626	1230.5015	-0.1245	-101	2967	2977	EAMNKQPSGLR					Mascot
1281.6984	1281.6101	-0.0883	-69	771	781	MHGELPLLSLR			Oxidation (M)[1]		Mascot
1281.6984	1281.6101	-0.0883	-69	771	781	MHGELPLLSLR			Oxidation (M)[1]		Mascot
1293.578	1293.5953	0.0173	13	1288	1297	MYRTTFTDDK			Oxidation (M)[1]		Mascot

1293.578	1293.5953	0.0173	13	1288	1297	MYRTTFTDDK	Oxidation (M)[1]	Mascot
1394.7151	1394.7052	-0.0099	-7	347	356	LHMWSWLHIR	Oxidation (M)[3]	Mascot
1515.7914	1515.7034	-0.088	-58	1259	1271	NRFEIVSSPTHTK		Mascot
1585.7931	1585.7406	-0.0525	-33	889	901	NMTEFLLSFEINK		Mascot
1602.8862	1602.7643	-0.1219	-76	316	328	KYRPYVVVHTNAR		Mascot
1602.8862	1602.7643	-0.1219	-76	316	328	KYRPYVVVHTNAR		Mascot
1620.8149	1620.7454	-0.0695	-43	615	628	DLQLDELTNATLMK	Oxidation (M)[13]	Mascot
1637.751	1637.7717	0.0207	13	1603	1618	SEPSGQCMTAAISDLK		Mascot
1637.751	1637.7717	0.0207	13	1603	1618	SEPSGQCMTAAISDLK		Mascot
1681.8102	1681.8882	0.078	46	449	464	DVKTGGFDGLMTPAEK	Oxidation (M)[11]	Mascot
1720.9302	1720.77	-0.1602	-93	1754	1769	TVPMLLAKASFQGDVK	Oxidation (M)[4]	Mascot
1960.8514	1960.8969	0.0455	23	944	959	EICLECSEYLDSEDKK	Carbamidomethyl (C)[3]	Mascot
1982.0243	1981.8762	-0.1481	-75	2852	2866	YQFRTTQQLQWEVVR		Mascot
2220.1077	2220.0784	-0.0293	-13	568	586	SLLNLMFETNPLDARADQ R	Oxidation (M)[6]	Mascot
2230.1323	2230.0735	-0.0588	-26	2221	2239	KEEGQVVLAVHSPYWMV NK	Oxidation (M)[16]	Mascot
2233.2412	2233.011	-0.2302	-103	2875	2894	QMYVLVLGLDVLGNPFG LIR	Oxidation (M)[2]	Mascot
2297.1265	2297.1199	-0.0066	-3	392	411	TLDIFNITMARQQAEMEA SK		Mascot
2442.252	2442.0718	-0.1802	-74	889	908	NMTEFLLSFEINKLSVQL CR	Carbamidomethyl (C)[19]	Mascot

28 vacuolar protein sorting 13 homolog A (*S. cerevisiae*) [gi|169154016](#) 73030 9.34 11 35 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
935.4944	935.4218	-0.0726	-78	370	376	LEQFRDK			Mascot
953.5778	953.4365	-0.1413	-148	293	301	SAPILLSPR			Mascot
1045.5636	1045.5266	-0.037	-35	551	560	NTQATPKASK			Mascot
1281.6984	1281.6101	-0.0883	-69	512	522	MHGELPLLSLR	Oxidation (M)[1]		Mascot
1281.6984	1281.6101	-0.0883	-69	512	522	MHGELPLLSLR	Oxidation (M)[1]		Mascot
1394.7151	1394.7052	-0.0099	-7	95	104	LHMWSWLHIR	Oxidation (M)[3]		Mascot
1585.7931	1585.7406	-0.0525	-33	630	642	NMTEFLLSFEINK			Mascot
1602.8862	1602.7643	-0.1219	-76	64	76	KYRPYVVVHTNAR			Mascot
1602.8862	1602.7643	-0.1219	-76	64	76	KYRPYVVVHTNAR			Mascot
1620.8149	1620.7454	-0.0695	-43	356	369	DLQLDELTNATLMK	Oxidation (M)[13]		Mascot
1681.8102	1681.8882	0.078	46	197	212	DVKTGGFDGLMTPAEK	Oxidation (M)[11]		Mascot
2220.1077	2220.0784	-0.0293	-13	310	328	SLLNLMFETNPLDARADQ R	Oxidation (M)[6]		Mascot

2297.1265

2297.1199

-0.0066

-3

140

159

TLDIFNITMARQQAEMEA
SK

Mascot

29

PREDICTED: hypothetical protein LOC100330808

[Danio rerio]

gi|326677269

198602.1

7.55

20

35

0

Peptide Information							Ion Score	C. I. %	Modification	Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence					
850.5032	850.5166	0.0134	16	212	218	LKEYGLK					Mascot
864.4937	864.4419	-0.0518	-60	620	626	DGLLYRK					Mascot
882.4791	882.5403	0.0612	69	1561	1568	HSVIQNGK					Mascot
912.3978	912.4114	0.0136	15	676	683	MSSSVEEK			Oxidation (M)[1]		Mascot
935.4866	935.4218	-0.0648	-69	1341	1348	GTLEQIMK			Oxidation (M)[7]		Mascot
1167.6746	1167.5446	-0.13	-111	255	263	TWPRPRNLK					Mascot
1184.5476	1184.6117	0.0641	54	1547	1555	RNTYVCSEK			Carbamidomethyl (C)[6]		Mascot
1238.6058	1238.6129	0.0071	6	521	531	HQIGNSSHCKK					Mascot
1238.6058	1238.6129	0.0071	6	521	531	HQIGNSSHCKK					Mascot
1281.6658	1281.6101	-0.0557	-43	1561	1571	HSVIQNGKENR					Mascot
1281.6658	1281.6101	-0.0557	-43	1561	1571	HSVIQNGKENR					Mascot
1293.5488	1293.5953	0.0465	36	460	472	AGSQNCADGLSR					Mascot
1293.5488	1293.5953	0.0465	36	460	472	AGSQNCADGLSR					Mascot
1394.6844	1394.7052	0.0208	15	82	92	DNSVRLCIDFR			Carbamidomethyl (C)[7]		Mascot
1403.71	1403.6699	-0.0401	-29	1206	1217	QIVSAVQYCHQK					Mascot
1403.7682	1403.6699	-0.0983	-70	949	959	WEPDVYVIRK					Mascot
1504.8403	1504.6289	-0.2114	-140	817	829	TLLQMLGTLENKK			Oxidation (M)[5]		Mascot
1565.7601	1565.6664	-0.0937	-60	516	529	AICDRHQIGNSSHK					Mascot
1585.7023	1585.7406	0.0383	24	1548	1560	NTYVCSEKATDR			Carbamidomethyl (C)[5]		Mascot
1620.7759	1620.7454	-0.0305	-19	1530	1546	KSAGAPGNNSVSSGMTR					Mascot
1671.9064	1671.8359	-0.0705	-42	1137	1150	ALELDPVDLFREVR					Mascot
1802.9357	1802.7957	-0.14	-78	1397	1411	MKYDEITATYLLLR			Oxidation (M)[1]		Mascot
1909.9054	1909.849	-0.0564	-30	759	773	CLWENFLVHYGFPER					Mascot
1909.9054	1909.849	-0.0564	-30	759	773	CLWENFLVHYGFPER					Mascot

30

non-specific lipid-transfer protein [Danio rerio]

gi|41053664

57939.8

7.1

11

35

0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4944	882.5403	0.0459	52	177	183	VAWKNHK					Mascot

	935.4792	935.4218	-0.0574	-61	474	483	GSVSSDAGKK											Mascot
	1045.4917	1045.5266	0.0349	33	136	143	HMEVMINR											Mascot
	1159.5413	1159.631	0.0897	77	120	129	GSLSSKYMDR											Mascot
	1165.5735	1165.7091	0.1356	116	435	444	LQEEGEAYVK											Mascot
	1177.6	1177.5168	-0.0832	-71	167	176	YGTKPEHFAK											Mascot
	1293.6685	1293.5953	-0.0732	-57	435	445	LQEEGEAYVKK											Mascot
	1293.6685	1293.5953	-0.0732	-57	434	444	KLQEEGEAYVK											Mascot
	1336.7405	1336.6097	-0.1308	-98	6	17	NRVFIGVGMTK											Mascot
	1565.7554	1565.6664	-0.089	-57	320	334	AGELIDRGDNTYGGK											Mascot
	1790.9006	1790.8342	-0.0664	-37	144	161	YGLAAVPAAPQMFGNAG R											Mascot
31	novel protein (zgc:91990) [Danio rerio]				gi 122891367			24650	6.77	6	35	0	11	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4937	864.4419	-0.0518	-60	174	181	GFSVSVIR					Mascot
1281.7888	1281.6101	-0.1787	-139	136	146	QVVLTPVLEKR					Mascot
1281.7888	1281.6101	-0.1787	-139	136	146	QVVLTPVLEKR	11	0			Mascot
1504.7366	1504.6289	-0.1077	-72	88	99	RMHWIEVAGDYK					Mascot
1570.6599	1570.6554	-0.0045	-3	100	111	YHPECFVCLSCR	4	0	Carbamidomethyl (C)[8,11]		Mascot
1570.6599	1570.6554	-0.0045	-3	100	111	YHPECFVCLSCR			Carbamidomethyl (C)[5,8]		Mascot
2224.9858	2225.0457	0.0599	27	67	87	FGELCHGCSLLMTGPAM GPSK			Carbamidomethyl (C)[5], Oxidation (M)[12,17]		Mascot
2225.03	2225.0457	0.0157	7	100	117	YHPECFVCLSCRVIEDR			Carbamidomethyl (C)[5]		Mascot

32	testis-specific gene 10 protein [Danio rerio]				gi 238650185			82352.8	6.01	13	35	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
901.4243	901.4617	0.0374	41	176	182	CRHAQMR					Mascot
1159.6066	1159.631	0.0244	21	274	283	ATISQLDQQR					Mascot
1161.611	1161.5259	-0.0851	-73	412	421	TEDLLSAKER					Mascot
1281.691	1281.6101	-0.0809	-63	401	411	KVQDHIADISR					Mascot
1281.691	1281.6101	-0.0809	-63	401	411	KVQDHIADISR	5	0			Mascot
1293.6216	1293.5953	-0.0263	-20	488	498	SCTSLSQLNLR			Carbamidomethyl (C)[2]		Mascot
1293.6216	1293.5953	-0.0263	-20	488	498	SCTSLSQLNLR			Carbamidomethyl (C)[2]		Mascot
1362.6794	1362.7224	0.043	32	605	616	ANSQSREMAQLK					Mascot
1394.6693	1394.7052	0.0359	26	598	610	LSMADSKANSQSR					Mascot

	1585.8656	1585.7406	-0.125	-79	261	273	QVTVLREELNTQR							Mascot
	1681.7885	1681.8882	0.0997	59	617	630	TRSCQLEADLEMTK				Carbamidomethyl (C)[4]			Mascot
	1803.0222	1802.7957	-0.2265	-126	561	576	LSVQTLESLLVSTREK							Mascot
	1960.9657	1960.8969	-0.0688	-35	73	88	TRMHYQQAQEEIAALR				Oxidation (M)[3]			Mascot
	2211.1001	2211.0317	-0.0684	-31	294	312	SDLINTANHQLDENEKTI R							Mascot
	2233.1353	2233.011	-0.1243	-56	479	498	LQQALSAERSCTSQLSQ LNR							Mascot
33	Sh3bp4a protein [Danio rerio]				gi 66910395		76175.4	8.42	11	35	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	842.5822	842.4844	-0.0978	-116	663	669	LIKTVIR					Mascot
	850.4338	850.5166	0.0828	97	387	393	LSNMEIK			Oxidation (M)[4]		Mascot
	870.4726	870.5117	0.0391	45	1	7	MAHRIR			Oxidation (M)[1]		Mascot
	1161.6184	1161.5259	-0.0925	-80	376	386	CSTVSPVVEIK					Mascot
	1218.6398	1218.5724	-0.0674	-55	376	386	CSTVSPVVEIK			Carbamidomethyl (C)[1]		Mascot
	1620.8591	1620.7454	-0.1137	-70	583	596	ADEISDFTLRVQVK					Mascot
	1671.806	1671.8359	0.0299	18	461	474	HVSFSSNVWNHMK					Mascot
	1720.8037	1720.77	-0.0337	-20	276	289	APSPEQFQNRDFR					Mascot
	2081.0188	2081.0388	0.02	10	402	419	VSMTRTESPMAEIVCVR			Carbamidomethyl (C)[16], Oxidation (M)[4]		Mascot
	2284.2368	2284.0969	-0.1399	-61	492	513	TVVAIFGHDCAPKLLVS EVGK					Mascot
	2300.0686	2300.1023	0.0337	15	597	616	DDQDCILAFQCVQTPQP PPK			Carbamidomethyl (C)[5]		Mascot
	3337.6052	3337.6533	0.0481	14	298	327	LARSCHDLESLGQNPWG GQTQPVETNIVCK			Carbamidomethyl (C)[5]		Mascot

34 prefoldin subunit 6 [Danio rerio] gi|41055782 14481.7 6.62 5 34 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	996.4778	996.5679	0.0901	90	22	30	DVSKSMSAR			Oxidation (M)[6]		Mascot
	1637.9473	1637.7717	-0.1756	-107	59	73	LIGPVLVKQDLDEAK					Mascot
	1637.9473	1637.7717	-0.1756	-107	59	73	LIGPVLVKQDLDEAK					Mascot
	1982.0593	1981.8762	-0.1831	-92	80	95	LEYINGEIQRYETLLK					Mascot
	2233.157	2233.011	-0.146	-65	106	125	EVLSSLQQEYQRAQGQA VAK					Mascot
	2442.3853	2442.0718	-0.3135	-128	45	66	EELALLDSQNTVYKLIGP VLVK					Mascot

35 PREDICTED: zinc finger protein 64 homolog, isoforms gi|292627186 71408.1 8.74 14 34 0

1 and 2 [Danio rerio]

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
935.48	935.4218	-0.0582	-62	245	252	CAMKANLK			Carbamidomethyl (C)[1]		Mascot
953.5527	953.4365	-0.1162	-122	334	341	SNLLIHTR					Mascot
1026.667	1026.5775	-0.0895	-87	83	91	KLKPALTQK					Mascot
1045.4077	1045.5266	0.1189	114	270	277	CDFQCSTK			Carbamidomethyl (C)[1,5]		Mascot
1237.7124	1237.626	-0.0864	-70	332	341	QRSNLLIHTR					Mascot
1336.5153	1336.6097	0.0944	71	238	248	CDLCDYRCAMK			Oxidation (M)[10]		Mascot
1394.658	1394.7052	0.0472	34	55	68	NAGASESLQTCVSK					Mascot
1585.7573	1585.7406	-0.0167	-11	41	54	QNCCQIPSTHISVR					Mascot
1637.807	1637.7717	-0.0353	-22	28	40	QQYNNVELFFAHK					Mascot
1637.807	1637.7717	-0.0353	-22	28	40	QQYNNVELFFAHK					Mascot
2026.9109	2026.9514	0.0405	20	229	244	VHSGEKPYKCDLCDYR			Carbamidomethyl (C)[10,13]		Mascot
2210.9263	2211.0317	0.1054	48	286	305	QHQAQPLQCSECSYSSK					Mascot
2233.0964	2233.011	-0.0854	-38	182	200	CQICPYASRNSSLTVHLR			Carbamidomethyl (C)[1]		Mascot
2283.0798	2283.1052	0.0254	11	173	190	IHYDERPFKCQICPYASR			Carbamidomethyl (C)[10]		Mascot
2420.1709	2420.0591	-0.1118	-46	114	132	HILHTGERPFECELCHKR			Carbamidomethyl (C)[13,16]		Mascot
RecName: Full=Retinol dehydrogenase 10-B				gi 251831595		37794.1	7.95	9	34	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1165.5454	1165.7091	0.1637	140	287	295	VMYMVTFMK			Oxidation (M)[2]		Mascot
1281.5376	1281.6101	0.0725	57	71	81	QSNEETAEMAR			Oxidation (M)[9]		Mascot
1281.549	1281.6101	0.0611	48	107	116	VYTYMCDVSK			Carbamidomethyl (C)[6], Oxidation (M)[5]		Mascot
1293.5917	1293.5953	0.0036	3	325	336	ESTNNNESKTGI					Mascot
1293.5917	1293.5953	0.0036	3	325	336	ESTNNNESKTGI					Mascot
1515.7585	1515.7034	-0.0551	-36	296	308	TVLPFDAIVCMYK			Oxidation (M)[11]		Mascot
1671.8489	1671.8359	-0.013	-8	210	224	FGAIGFHESLSHELK					Mascot
1960.9766	1960.8969	-0.0797	-41	270	286	QAMRAILTDQPMICTPR			Oxidation (M)[3]		Mascot
2081.0598	2081.0388	-0.021	-10	253	269	KEMAPFFPPLKPEYCVK			Carbamidomethyl (C)[15]		Mascot
2420.1367	2420.0591	-0.0776	-32	229	250	DGIKMTLVCPFLVDTGMF EGCK			Oxidation (M)[5]		Mascot
roundabout homolog 2 [Danio rerio]				gil18859319		165079.5	6.24	17	34	0	

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4451	850.5166	0.0715	84	187	193	LMISNTR			Oxidation (M)[2]		Mascot
864.4858	864.4419	-0.0439	-51	703	710	SMVLSALK			Oxidation (M)[2]		Mascot
882.4176	882.5403	0.1227	139	75	81	DDPRSHR					Mascot
901.5352	901.4617	-0.0735	-82	513	521	EAGSLVVVK					Mascot
953.5275	953.4365	-0.091	-95	1350	1358	GPGTVPNRR					Mascot
1177.6211	1177.5168	-0.1043	-89	1191	1203	GVASSPAAVSFGK					Mascot
1218.6073	1218.5724	-0.0349	-29	1429	1439	LGSIERGDESR					Mascot
1237.5374	1237.626	0.0886	72	1399	1408	QPMMGLEEMR			Oxidation (M)[3]		Mascot
1336.7471	1336.6097	-0.1374	-103	32	43	IVEHPSDLIVSK					Mascot
1362.741	1362.7224	-0.0186	-14	301	313	VGKMEASATLTVR					Mascot
1394.6732	1394.7052	0.032	23	100	112	SKPDEGAYVCVAR					Mascot
1504.7438	1504.6289	-0.1149	-76	1379	1391	IPGSRNVPHPCDR			Carbamidomethyl (C)[11]		Mascot
1565.8143	1565.6664	-0.1479	-94	1422	1434	HQQVQDRLGSIER					Mascot
1671.7279	1671.8359	0.108	65	285	300	ATASDEGTFTCVAENR					Mascot
1681.8367	1681.8882	0.0515	31	445	459	CHASGEPVPTISWLK			Carbamidomethyl (C)[1]		Mascot
1802.787	1802.7957	0.0087	5	195	211	SDAGMYICVGTNMVGER					Mascot
2230.0557	2230.0735	0.0178	8	1358	1378	RDASADDLPPPEPPPCQTAR					Mascot

38 retinol dehydrogenase 10-B [Danio rerio] gi|41152209 37863.2 8.23 9 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1165.5454	1165.7091	0.1637	140	287	295	VMYMVTFMK			Oxidation (M)[2]		Mascot
1281.5376	1281.6101	0.0725	57	71	81	QSNEETAEMAR			Oxidation (M)[9]		Mascot
1281.549	1281.6101	0.0611	48	107	116	VYTYMCDVSK			Carbamidomethyl (C)[6], Oxidation (M)[5]		Mascot
1293.5917	1293.5953	0.0036	3	325	336	ESTNNNESKTGI					Mascot
1293.5917	1293.5953	0.0036	3	325	336	ESTNNNESKTGI					Mascot
1515.7585	1515.7034	-0.0551	-36	296	308	TVLPFDAIVCMYK			Oxidation (M)[11]		Mascot
1671.8489	1671.8359	-0.013	-8	210	224	FGAIGFHESLSHELK					Mascot
1960.9766	1960.8969	-0.0797	-41	270	286	QAMRAILTDQPMICTPR			Oxidation (M)[3]		Mascot
2081.0598	2081.0388	-0.021	-10	253	269	KEMAPFFPPLKPEYCVK			Carbamidomethyl (C)[15]		Mascot
2420.1367	2420.0591	-0.0776	-32	229	250	DGIKMTLVCPFLVDTGMFEGCK			Oxidation (M)[5]		Mascot

39 PREDICTED: protein KIAA1199-like [Danio rerio] gi|326669168 124090.9 6.14 13 34 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
856.4886	856.4994	0.0108	13	753	760 NPASLNLK					Mascot
882.4315	882.5403	0.1088	123	959	965 LESYNTR					Mascot
1045.4659	1045.5266	0.0607	58	892	900 EDFAFCSVK					Mascot
1057.5135	1057.5588	0.0453	43	124	132 NYGFVCLNK					Mascot
1293.5342	1293.5953	0.0611	47	72	82 DDERGSGDWEK					Mascot
1293.5342	1293.5953	0.0611	47	72	82 DDERGSGDWEK	4	0			Mascot
1515.777	1515.7034	-0.0736	-49	201	213 ILPCPSCSRNQIK			Carbamidomethyl (C)[4]		Mascot
1554.8063	1554.6597	-0.1466	-94	959	970 LESYNTRFFHIK					Mascot
1554.8063	1554.6597	-0.1466	-94	959	970 LESYNTRFFHIK					Mascot
1681.7638	1681.8882	0.1244	74	887	900 AHNEKEDFAFCSVK			Carbamidomethyl (C)[11]		Mascot
1790.8953	1790.8342	-0.0611	-34	478	494 AGMILDNGVKTEANEK					Mascot
2026.9473	2026.9514	0.0041	2	620	636 GMQIYDGPINIQNCTFR			Carbamidomethyl (C)[14]		Mascot
2219.9775	2220.0784	0.1009	45	679	697 VFFGEPGPWFSKMEMD GDK			Oxidation (M)[13]		Mascot
2230.0808	2230.0735	-0.0073	-3	214	233 VEGKPAYLHIGEEVDGVD MR			Oxidation (M)[19]		Mascot
2300.2068	2300.1023	-0.1045	-45	366	386 NTFDHCLGLLVKASTLLP SDR					Mascot
40	truncated SH3 binding domain protein 4 [Danio rerio]				gi 33438222	84564.4	8.75	11	33	0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type	
842.5822	842.4844	-0.0978	-116	634	640 LIKTVIR					Mascot	
850.4338	850.5166	0.0828	97	358	364 LSNMEIK			Oxidation (M)[4]		Mascot	
870.4726	870.5117	0.0391	45	1	7 MAAHRIR			Oxidation (M)[1]		Mascot	
1161.6184	1161.5259	-0.0925	-80	347	357 CSTVSPVVEIK					Mascot	
1218.6398	1218.5724	-0.0674	-55	347	357 CSTVSPVVEIK			Carbamidomethyl (C)[1]		Mascot	
1620.8591	1620.7454	-0.1137	-70	554	567 ADEISDFTLRVQVK					Mascot	
1671.806	1671.8359	0.0299	18	432	445 HVSFSSNVWNHVMK					Mascot	
1720.8037	1720.77	-0.0337	-20	247	260 APSPEQFQNRDFR					Mascot	
2081.0188	2081.0388	0.02	10	373	390 VSVMTRTESPMAEIVCVR			Carbamidomethyl (C)[16], Oxidation (M)[4]		Mascot	
2284.2368	2284.0969	-0.1399	-61	463	484 TVVAIFGHDCAPKTLVLS EVGK					Mascot	
2300.0686	2300.1023	0.0337	15	568	587 DDQDCILAQFCVQTQP PPK			Carbamidomethyl (C)[5]		Mascot	
3337.6052	3337.6533	0.0481	14	269	298 LARSCHDLESLGQNPGW GQTQPVETNIVCK			Carbamidomethyl (C)[5]		Mascot	

41 hypothetical protein LOC335015 [Danio rerio] gi|41152468 37666.8 9.46 10 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4607	864.4419	-0.0188	-22	53	59	TNTICKK			Carbamidomethyl (C)[5]		Mascot
901.5464	901.4617	-0.0847	-94	308	316	QVAALSKGK					Mascot
1159.5486	1159.631	0.0824	71	1	11	MATSALYACTK					Mascot
1165.651	1165.7091	0.0581	50	30	39	ECRIAHPIVK					Mascot
1403.7286	1403.6699	-0.0587	-42	33	44	IAHPIVKCTYCR					Mascot
1403.7286	1403.6699	-0.0587	-42	33	44	IAHPIVKCTYCR					Mascot
1671.8336	1671.8359	0.0023	1	183	197	ISGNLSPEQDQGLWK					Mascot
1790.7982	1790.8342	0.036	20	1	15	MATSALYACTKCNQR			Carbamidomethyl (C)[9,12], Oxidation (M)[1]		Mascot
2026.9536	2026.9514	-0.0022	-1	148	166	GLGSSHSNSSSLSEKEH QR					Mascot
2300.1565	2300.1023	-0.0542	-24	66	86	QFGTPKPCQYCNIIAAFIG TK					Mascot
2442.1909	2442.0718	-0.1191	-49	176	197	HGSSHHKISGNLSPEQD QGLWK					Mascot

42 PREDICTED: macrophage-stimulating protein receptor [Danio rerio] gi|292619047 154062 6.02 15 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.4345	856.4994	0.0649	76	1090	1096	EIHCAVK			Carbamidomethyl (C)[4]		Mascot
882.4138	882.5403	0.1265	143	1206	1213	VADFGMAR			Oxidation (M)[6]		Mascot
996.4897	996.5679	0.0782	78	978	985	LSYFHSR					Mascot
1026.5261	1026.5775	0.0514	50	505	513	VPQRGPGCR			Carbamidomethyl (C)[8]		Mascot
1237.6357	1237.626	-0.0097	-8	283	291	YREIVLECR			Carbamidomethyl (C)[8]		Mascot
1281.662	1281.6101	-0.0519	-40	596	607	LGETACVVQPHK					Mascot
1281.662	1281.6101	-0.0519	-40	596	607	LGETACVVQPHK	2	0			Mascot
1362.7086	1362.7224	0.0138	10	285	295	EIVLECRFEPK					Mascot
1515.7372	1515.7034	-0.0338	-22	142	155	ENGNNPPGPSKCLFR					Mascot
1565.7273	1565.6664	-0.0609	-39	514	526	HFLTCAMCLTAPK			Carbamidomethyl (C)[5,8], Oxidation (M)[7]		Mascot
1570.8005	1570.6554	-0.1451	-92	789	802	ESHLKPVSTECRGK					Mascot
1570.8005	1570.6554	-0.1451	-92	789	802	ESHLKPVSTECRGK					Mascot
1637.8241	1637.7717	-0.0524	-32	988	1001	NNSVDLSSLVDYRR					Mascot
1637.8241	1637.7717	-0.0524	-32	988	1001	NNSVDLSSLVDYRR					Mascot
1802.9404	1802.7957	-0.1447	-80	803	817	AKPTRMECITPVFPR			Carbamidomethyl (C)[8]		Mascot

	2081.1099	2081.0388	-0.0711	-34	1166	1184	DLIGFGLQVAKGMEYLAQ K										Mascot
	2230.0222	2230.0735	0.0513	23	874	895	LNLVSSCMSITMTVGDVD CGGK										Mascot
	2299.1499	2299.1074	-0.0425	-18	204	223	MSISVRRPVATEDGFYTD VR										Mascot
43	Apoa protein [Danio rerio]				gi 53733942		19735.1	5.31	7	32	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1057.5748	1057.5588	-0.016	-15	57	65	QNAEQLRAK					Mascot
1167.5527	1167.5446	-0.0081	-7	76	85	AFESNIEETK					Mascot
1184.5074	1184.6117	0.1043	88	143	151	MEPYMENVR			Oxidation (M)[1]		Mascot
1362.6682	1362.7224	0.0542	40	9	19	ERVMTDVEDLR					Mascot
1403.6875	1403.6699	-0.0176	-13	152	163	TTFAQMYETIAK					Mascot
1403.6875	1403.6699	-0.0176	-13	152	163	TTFAQMYETIAK					Mascot
1565.7958	1565.6664	-0.1294	-83	44	56	LEPVFQEYSALNR					Mascot
1802.8993	1802.7957	-0.1036	-57	152	167	TTFAQMYETIAKAIQA			Oxidation (M)[6]		Mascot

44	Wu:fo94f09 protein [Danio rerio]				gi 92096553		74291.7	8.89	14	32	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
935.48	935.4218	-0.0582	-62	269	276	CAMKANLK			Carbamidomethyl (C)[1]		Mascot
953.5527	953.4365	-0.1162	-122	358	365	SNLLIHTR					Mascot
1026.667	1026.5775	-0.0895	-87	107	115	KLKPALTQK					Mascot
1045.4077	1045.5266	0.1189	114	294	301	CDFQCSTK			Carbamidomethyl (C)[1,5]		Mascot
1237.7124	1237.626	-0.0864	-70	356	365	QRSNLLIHTR					Mascot
1336.5153	1336.6097	0.0944	71	262	272	CDLCDYRCAMK			Oxidation (M)[10]		Mascot
1394.658	1394.7052	0.0472	34	79	92	NAGASESLQTCVSK					Mascot
1585.7573	1585.7406	-0.0167	-11	65	78	QNCCQIPSTHISVR					Mascot
1637.807	1637.7717	-0.0353	-22	52	64	QQYNNVELFFAHK					Mascot
1637.807	1637.7717	-0.0353	-22	52	64	QQYNNVELFFAHK					Mascot
2026.9109	2026.9514	0.0405	20	253	268	VHSGEKPYKCDLCDYR			Carbamidomethyl (C)[10,13]		Mascot
2210.9263	2211.0317	0.1054	48	310	329	QHQAQPLQCSECSYSC SSK					Mascot
2233.0964	2233.011	-0.0854	-38	206	224	CQICPYASRNSSLTVHL R			Carbamidomethyl (C)[1]		Mascot
2283.0798	2283.1052	0.0254	11	197	214	IIHYDERPFKCQICPYASR			Carbamidomethyl (C)[10]		Mascot
2420.1709	2420.0591	-0.1118	-46	138	156	HILHTGERPFECELCHK R			Carbamidomethyl (C)[13,16]		Mascot

45 Zgc:55983 [Danio rerio] gi|28839555 60432 9.7 10 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.3803	856.4994	0.1191	139	202	207	NCFKCK			Carbamidomethyl (C)[2,5]		Mascot
935.4792	935.4218	-0.0574	-61	269	277	ASLNTNTSK					Mascot
1045.6187	1045.5266	-0.0921	-88	520	528	SMLKPVSKR					Mascot
1159.6218	1159.631	0.0092	8	278	287	LGWLANKSDR					Mascot
1218.5386	1218.5724	0.0338	28	510	519	ENDTVPSDWR					Mascot
1237.6801	1237.626	-0.0541	-44	192	201	HLVDGKLYHR					Mascot
1570.8145	1570.6554	-0.1591	-101	208	222	ECSTILLSGTYKAGK					Mascot
1570.8145	1570.6554	-0.1591	-101	208	222	ECSTILLSGTYKAGK					Mascot
1602.7866	1602.7643	-0.0223	-14	206	219	CKECSTILLSGTYK			Carbamidomethyl (C)[1]		Mascot
1602.7866	1602.7643	-0.0223	-14	206	219	CKECSTILLSGTYK			Carbamidomethyl (C)[1]		Mascot
1790.8993	1790.8342	-0.0651	-36	292	308	GFTDTPTPAVQLTPMAK			Oxidation (M)[15]		Mascot
2297.051	2297.1199	0.0689	30	172	191	SSTPSSNCVCNQHVHLVQR			Carbamidomethyl (C)[8,11]		Mascot

46 hypothetical protein LOC100135297 [Xenopus (Silurana) tropicalis]

gi|166158082 12108.8 5.54 6 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.3975	850.5166	0.1191	140	1	8	MAETVDGK					Mascot
882.4203	882.5403	0.12	136	9	15	KEEADYK					Mascot
1161.4663	1161.5259	0.0596	51	25	33	HTDMPEEMR			Oxidation (M)[4]		Mascot
1165.6953	1165.7091	0.0138	12	16	24	RLHNFPLIR					Mascot
1177.4613	1177.5168	0.0555	47	25	33	HTDMPEEMR			Oxidation (M)[4,8]		Mascot
1585.6907	1585.7406	0.0499	31	34	46	VETMELCVTACEK			Carbamidomethyl (C)[7,11], Oxidation (M)[4]		Mascot
2211.0435	2211.0317	-0.0118	-5	88	106	NLLYMFFGGSLAVCVWKCS			Carbamidomethyl (C)[14], Oxidation (M)[5]		Mascot

47 peroxisomal carnitine O-octanoyltransferase [Danio rerio]

gi|66392217 69357.6 6.27 9 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4155	842.4844	0.0689	82	13	18	TFQYQR					Mascot
1051.651	1051.6823	0.0313	30	211	219	ILTPPELLR					Mascot

	1159.7197	1159.631	-0.0887	-76	19	29	SLPPLPVPALR										Mascot
	1281.5706	1281.6101	0.0395	31	2	12	DNQVFESSAER										Mascot
	1281.5706	1281.6101	0.0395	31	2	12	DNQVFESSAER	10		0							Mascot
	1403.6947	1403.6699	-0.0248	-18	493	505	LMAEAQDGKGIDR										Mascot
	1403.6947	1403.6699	-0.0248	-18	493	505	LMAEAQDGKGIDR										Mascot
	1554.7841	1554.6597	-0.1244	-80	161	173	MLFCTCKVPGITK					Carbamidomethyl (C)[4,6]					Mascot
	1554.7841	1554.6597	-0.1244	-80	161	173	MLFCTCKVPGITK					Carbamidomethyl (C)[4,6]					Mascot
	1570.7789	1570.6554	-0.1235	-79	161	173	MLFCTCKVPGITK					Carbamidomethyl (C)[4,6], Oxidation (M)[1]					Mascot
	1570.7972	1570.6554	-0.1418	-90	57	69	RFEEGIGQELHQQ										Mascot
	1802.8993	1802.7957	-0.1036	-57	361	375	QMPVPEELIFTVDER										Mascot
	2297.0222	2297.1199	0.0977	43	149	167	AGTIPFDMDQFRMLFCTC K					Carbamidomethyl (C)[16], Oxidation (M)[8]					Mascot
48	PREDICTED: hypothetical protein LOC793474 [Danio rerio]																
						gi 125807786		140995.4	5.91	14	32	0					

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	912.4495	912.4114	-0.0381	-42	116	122	FEQLTMK				Oxidation (M)[6]		Mascot
	996.46	996.5679	0.1079	108	1182	1189	MSADCLKR				Carbamidomethyl (C)[5], Oxidation (M)[1]		Mascot
	1184.6171	1184.6117	-0.0054	-5	575	583	HLQPNKEYR						Mascot
	1230.5857	1230.5015	-0.0842	-68	1155	1164	FMNTKEMLGK				Oxidation (M)[2,7]		Mascot
	1504.8005	1504.6289	-0.1716	-114	295	307	DNIATQFPEIKTK						Mascot
	1602.9313	1602.7643	-0.167	-104	997	1011	ALGTIESKDLTLTIK						Mascot
	1602.9313	1602.7643	-0.167	-104	997	1011	ALGTIESKDLTLTIK	8		0			Mascot
	1681.8544	1681.8882	0.0338	20	463	476	ETIQAFDLFKEANR						Mascot
	1909.9191	1909.849	-0.0701	-37	743	757	KIEENEHFNQYVFGFR						Mascot
	1909.9191	1909.849	-0.0701	-37	744	758	IEENEHFNQYVFGRK						Mascot
	1960.8098	1960.8969	0.0871	44	1108	1125	DDNCIICPGNCHFSASK						Mascot
	2220.0225	2220.0784	0.0559	25	1233	1251	EEMLIQDKIEEGNELLDG E				Oxidation (M)[3]		Mascot
	2233.0842	2233.011	-0.0732	-33	160	179	EVSSNENHQEIHGELQA Alk						Mascot
	2283.0347	2283.1052	0.0705	31	690	709	CGNYGESLYSSDSRFSV NLK				Carbamidomethyl (C)[1]		Mascot
	2298.8125	2299.1074	0.2949	128	958	978	VEAPTTSDNDSDDDDDD DDDK						Mascot

49	RecName: Full=mRNA export factor; AltName: Full=Rae1 protein homolog; AltName: Full=mRNA-associated																
						gi 166218821		41024.8	7.96	8	31	0					

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	842.5094	842.4844	-0.025	-30	206	212 RIESPLK					Mascot
	870.4025	870.5117	0.1092	125	101	108 VFTASCDK					Mascot
	953.5566	953.4365	-0.1201	-126	350	356 KNYIFLR					Mascot
	1167.5364	1167.5446	0.0082	7	253	261 DNFTFKCHR					Mascot
	1238.6575	1238.6129	-0.0446	-36	213	222 HQHRCVAIFK					Mascot
	1238.6575	1238.6129	-0.0446	-36	213	222 HQHRCVAIFK					Mascot
	1565.6757	1565.6664	-0.0093	-6	160	172 SPNPMMSLQMPER			Oxidation (M)[5,6,10]		Mascot
	1790.9395	1790.8342	-0.1053	-59	223	239 DKQSKPTGFALGSIEGR					Mascot
	1960.8965	1960.8969	0.0004	0	173	190 CYCADVVYPMAVVATAE R					Mascot
50	PREDICTED: disks large-associated protein 4-like, partial [Danio rerio]				gi 326679363		54241	9.51	1	22	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1281.7161	1281.6101	-0.106	-83	148	158 LPANLLDQLER	22	0		2	Mascot

Gel Idx/Pos	212/112	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Urod protein [Danio rerio]	gi 62204806	45232.9	6.17	14	380	100	301	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
824.4301	824.4124	-0.0177	-21	77	82 YLPEFR	17	0			Mascot
824.4301	824.4124	-0.0177	-21	77	82 YLPEFR					Mascot
882.4389	882.543	0.1041	118	359	366 MLEGFGTK					Mascot
932.5046	932.478	-0.0266	-29	350	357 ESISEIVR					Mascot
1024.5461	1024.5189	-0.0272	-27	266	273 EFSLPYLR					Mascot
1024.5461	1024.5189	-0.0272	-27	266	273 EFSLPYLR	50	99.76			Mascot
1467.759	1467.7169	-0.0421	-29	266	277 EFSLPYLRDTAR					Mascot
1655.7668	1655.7225	-0.0443	-27	60	72 GEEIEHIPVWCMR			Carbamidomethyl (C)[11]		Mascot
1655.7668	1655.7225	-0.0443	-27	60	72 GEEIEHIPVWCMR	57	99.951	Carbamidomethyl (C)[11]		Mascot

	1671.7617	1671.72	-0.0417	-25	60	72	GEEIEHIPVWCMR	11	0	Carbamidomethyl (C)[11], Oxidation (M)[12]	Mascot	
	1671.7617	1671.72	-0.0417	-25	60	72	GEEIEHIPVWCMR			Carbamidomethyl (C)[11], Oxidation (M)[12]	Mascot	
	1673.7986	1673.7437	-0.0549	-33	96	109	SPEACCELTLQPLR			Carbamidomethyl (C)[5,6]	Mascot	
	1705.8319	1705.7832	-0.0487	-29	158	171	TQVDVYSELDYVFK				Mascot	
	1829.8997	1829.8514	-0.0483	-26	96	110	SPEACCELTLQPLRR			Carbamidomethyl (C)[5,6]	Mascot	
	1852.944	1852.8947	-0.0493	-27	140	155	GPTFPEPLKEPEDLQR				Mascot	
	1852.944	1852.8947	-0.0493	-27	140	155	GPTFPEPLKEPEDLQR	105	100		Mascot	
	1912.9156	1912.9221	0.0065	3	57	72	AARGEEIEHIPVWCMR			Oxidation (M)[15]	Mascot	
	2346.1545	2346.0894	-0.0651	-28	244	265	AGAQALQVFESHTGCLG PVEFK	72	99.998	Carbamidomethyl (C)[15]	Mascot	
	2346.1545	2346.0894	-0.0651	-28	244	265	AGAQALQVFESHTGCLG PVEFK			Carbamidomethyl (C)[15]	Mascot	
	3231.4866	3231.4143	-0.0723	-22	299	327	DGHYGLEDLSESAYEVV GLDWTIDPHSAR				Mascot	
	3379.5913	3379.5144	-0.0769	-23	367	397	GYIANLGHGLYPDMDPE NVGAFVEAVHNHSR				Mascot	
	3395.5862	3395.5168	-0.0694	-20	367	397	GYIANLGHGLYPDMDPE NVGAFVEAVHNHSR			Oxidation (M)[14]	Mascot	
2	uroporphyrinogen decarboxylase [Danio rerio]				gi 18859531	41618.1	6.05	13	368	100	301	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
824.4301	824.4124	-0.0177	-21	44	49	YLPEFR	17	0			Mascot
824.4301	824.4124	-0.0177	-21	44	49	YLPEFR					Mascot
882.4389	882.543	0.1041	118	326	333	MLEGFGTK					Mascot
932.5046	932.478	-0.0266	-29	317	324	ESISEIVR					Mascot
974.4036	974.3779	-0.0257	-26	56	62	DFFETCR			Carbamidomethyl (C)[6]		Mascot
1024.5461	1024.5189	-0.0272	-27	233	240	EFSLPYLR					Mascot
1024.5461	1024.5189	-0.0272	-27	233	240	EFSLPYLR	50	99.76			Mascot
1655.7668	1655.7225	-0.0443	-27	27	39	GEEIEHIPVWCMR			Carbamidomethyl (C)[11]		Mascot
1655.7668	1655.7225	-0.0443	-27	27	39	GEEIEHIPVWCMR	57	99.951	Carbamidomethyl (C)[11]		Mascot
1671.7617	1671.72	-0.0417	-25	27	39	GEEIEHIPVWCMR	11	0	Carbamidomethyl (C)[11], Oxidation (M)[12]		Mascot
1671.7617	1671.72	-0.0417	-25	27	39	GEEIEHIPVWCMR			Carbamidomethyl (C)[11], Oxidation (M)[12]		Mascot
1673.7986	1673.7437	-0.0549	-33	63	76	SPEACCELTLQPLR			Carbamidomethyl (C)[5,6]		Mascot
1705.8319	1705.7832	-0.0487	-29	125	138	TQVDVYSELDYVFK					Mascot
1829.8997	1829.8514	-0.0483	-26	63	77	SPEACCELTLQPLRR			Carbamidomethyl (C)[5,6]		Mascot
1852.944	1852.8947	-0.0493	-27	107	122	GPTFPEPLKEPEDLQR					Mascot
1852.944	1852.8947	-0.0493	-27	107	122	GPTFPEPLKEPEDLQR	105	100			Mascot
1912.9156	1912.9221	0.0065	3	24	39	AARGEEIEHIPVWCMR			Oxidation (M)[15]		Mascot
2346.1545	2346.0894	-0.0651	-28	211	232	AGAQALQVFESHTGCLG	72	99.998	Carbamidomethyl (C)[15]		Mascot

	2346.1545	2346.0894	-0.0651	-28	211	232	PVEFK AGAQUALQVFESHTGCLG PVEFK						Carbamidomethyl (C)[15]	Mascot
	3379.5913	3379.5144	-0.0769	-23	334	364	GYIANLGHGLYPDMDPE NVGAFVEAVHNHSR							Mascot
	3395.5862	3395.5168	-0.0694	-20	334	364	GYIANLGHGLYPDMDPE NVGAFVEAVHNHSR						Oxidation (M)[14]	Mascot
3	Uroporphyrinogen decarboxylase [Danio rerio]					gi 79160119	41656.2	6.05	13	295	100	229	100	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	824.4301	824.4124	-0.0177	-21	44	49	YLPEFR	17	0			Mascot
	824.4301	824.4124	-0.0177	-21	44	49	YLPEFR					Mascot
	882.4389	882.543	0.1041	118	326	333	MLEGFGTK					Mascot
	932.5046	932.478	-0.0266	-29	317	324	ESISEIVR					Mascot
	974.4036	974.3779	-0.0257	-26	56	62	DFFETCR			Carbamidomethyl (C)[6]		Mascot
	1024.5461	1024.5189	-0.0272	-27	233	240	EFSLPYLR					Mascot
	1024.5461	1024.5189	-0.0272	-27	233	240	EFSLPYLR	50	99.76			Mascot
	1655.7668	1655.7225	-0.0443	-27	27	39	GEEIEHIPVWCMR			Carbamidomethyl (C)[11]		Mascot
	1655.7668	1655.7225	-0.0443	-27	27	39	GEEIEHIPVWCMR	57	99.951	Carbamidomethyl (C)[11]		Mascot
	1671.7617	1671.72	-0.0417	-25	27	39	GEEIEHIPVWCMR	11	0	Carbamidomethyl (C)[11], Oxidation (M)[12]		Mascot
	1671.7617	1671.72	-0.0417	-25	27	39	GEEIEHIPVWCMR			Carbamidomethyl (C)[11], Oxidation (M)[12]		Mascot
	1673.7986	1673.7437	-0.0549	-33	63	76	SPEACCELTQLPLR			Carbamidomethyl (C)[5,6]		Mascot
	1705.8319	1705.7832	-0.0487	-29	125	138	TQVDVYSELDYVFK					Mascot
	1829.8997	1829.8514	-0.0483	-26	63	77	SPEACCELTQLPLRR			Carbamidomethyl (C)[5,6]		Mascot
	1852.944	1852.8947	-0.0493	-27	107	122	GPTFPEPLKEPEDLQR					Mascot
	1852.944	1852.8947	-0.0493	-27	107	122	GPTFPEPLKEPEDLQR	105	100			Mascot
	1912.9156	1912.9221	0.0065	3	24	39	AARGEEIEHIPVWCMR			Oxidation (M)[15]		Mascot
	2299.1538	2299.1208	-0.033	-14	211	232	AGAQUALQVFEPHTGCLG PVEFK					Mascot
	3379.5913	3379.5144	-0.0769	-23	334	364	GYIANLGHGLYPDMDPE NVGAFVEAVHNHSR					Mascot
	3395.5862	3395.5168	-0.0694	-20	334	364	GYIANLGHGLYPDMDPE NVGAFVEAVHNHSR			Oxidation (M)[14]		Mascot

4	PREDICTED: ribonuclease P 25 subunit [Danio rerio]					gi 326680347	22061.4	8.78	9	55	87.166		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	974.4901	974.3779	-0.1122	-115	170	179	QVDGVQGSGK					Mascot
	1009.5056	1009.4827	-0.0229	-23	94	102	TITCAEIMK					Mascot

1024.5244	1024.5189	-0.0055	-5	65	73	NLLGFAMSR	Oxidation (M)[7]	Mascot
1024.5244	1024.5189	-0.0055	-5	65	73	NLLGFAMSR	Oxidation (M)[7]	Mascot
1165.6068	1165.7134	0.1066	91	94	103	TITCAEIMKR		Mascot
1277.7147	1277.6705	-0.0442	-35	63	73	IRNLLGFAMSR		Mascot
1475.79	1475.7155	-0.0745	-50	183	195	RPLSPCDHPGLKR		Mascot
1498.8489	1498.679	-0.1699	-113	105	117	VAGLHQVSKLQYR		Mascot
2299.1677	2299.1208	-0.0469	-20	4	24	ELHDNTQPVLNPTNPIG PSK		Mascot
3231.6389	3231.4143	-0.2246	-70	118	145	TVTEVWESQESQMTVHR TLPSICILLSK	Oxidation (M)[13]	Mascot

5 PREDICTED: alba-like protein C9orf23-like [Danio rerio] gi|326680345 22395.5 8.44 8 45 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
974.4901	974.3779	-0.1122	-115	173	182	QVDGVQGSGK					Mascot
1009.5056	1009.4827	-0.0229	-23	97	105	TITCAEIMK					Mascot
1024.5244	1024.5189	-0.0055	-5	68	76	NLLGFAMSR			Oxidation (M)[7]		Mascot
1024.5244	1024.5189	-0.0055	-5	68	76	NLLGFAMSR			Oxidation (M)[7]		Mascot
1165.6068	1165.7134	0.1066	91	97	106	TITCAEIMKR					Mascot
1277.7147	1277.6705	-0.0442	-35	66	76	IRNLLGFAMSR					Mascot
1475.79	1475.7155	-0.0745	-50	186	198	RPLSPCDHPGLKR					Mascot
1498.8489	1498.679	-0.1699	-113	108	120	VAGLHQVSKLQYR					Mascot
3231.6389	3231.4143	-0.2246	-70	121	148	TVTEVWESQESQMTVHR TLPSICILLSK			Oxidation (M)[13]		Mascot

6 40S ribosomal protein S21 [Danio rerio] gi|41055255 8896.5 8.71 6 45 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1024.5244	1024.5189	-0.0055	-5	52	60	TYAICGAIR			Carbamidomethyl (C)[5]		Mascot
1024.5244	1024.5189	-0.0055	-5	52	60	TYAICGAIR			Carbamidomethyl (C)[5]		Mascot
1045.6252	1045.5383	-0.0869	-83	72	81	LAKTDSIVAK					Mascot
1106.5146	1106.5132	-0.0014	-1	62	71	MGEADDLLR					Mascot
1580.8027	1580.7137	-0.089	-56	28	41	DHASIQINIAEVDR					Mascot
1881.9164	1881.9406	0.0242	13	1	16	MQNDAGEFVDLYVPRK					Mascot
1994.0414	1993.9214	-0.12	-60	28	45	DHASIQINIAEVDRTGR					Mascot

7 hypothetical protein FLJ22318 [Danio rerio] gi|37595352 44472.4 6.24 10 40 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification	Rank	Result Type	
	842.4366	842.4877	0.0511	61	80	87 DIHGSVSK						Mascot	
	937.3865	937.3951	0.0086	9	2	9 EQCACVER						Mascot	
	1045.4884	1045.5383	0.0499	48	306	314 QCSGVWTHK						Mascot	
	1106.559	1106.5132	-0.0458	-41	209	217 QQEALQYAR						Mascot	
	1655.6498	1655.7225	0.0727	44	373	386 CPYCPMEQNPSDAK				Carbamidomethyl (C)[1], Oxidation (M)[6]		Mascot	
	1655.6498	1655.7225	0.0727	44	373	386 CPYCPMEQNPSDAK				Carbamidomethyl (C)[1], Oxidation (M)[6]		Mascot	
	1673.8639	1673.7437	-0.1202	-72	29	42 LDELLNNVCELR						Mascot	
	2225.1165	2225.0593	-0.0572	-26	340	359 QQTSESNPPMKLICGHVSR						Mascot	
	2225.1165	2225.0593	-0.0572	-26	340	359 QQTSESNPPMKLICGHVSR						Mascot	
	2263.9456	2264.0298	0.0842	37	373	390 CPYCPMEQNPSDAKQIYF				Carbamidomethyl (C)[1,4], Oxidation (M)[6]		Mascot	
	2298.1328	2298.123	-0.0098	-4	340	359 QQTSESNPPMKLICGHVSR				Carbamidomethyl (C)[14], Oxidation (M)[10]		Mascot	
	2750.3423	2750.2644	-0.0779	-28	41	65 SRLLAYGVQDADLSVLHQTMAQCCK						Mascot	
	3338.6252	3338.6643	0.0391	12	129	158 QGMLSVAEDLCQSGVVIDMSMKQPFLELNR						Mascot	
	3395.6465	3395.5168	-0.1297	-38	129	158 QGMLSVAEDLCQSGVVIDMSMKQPFLELNR				Carbamidomethyl (C)[11]		Mascot	
8	PREDICTED: desmoplakin [Danio rerio]				gi 326664664		287023.8	6.6	23	40	0	11	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	838.394	838.4706	0.0766	91	1714	1719 YEEELR					Mascot
	856.5614	856.505	-0.0564	-66	2158	2164 LLIVDRK					Mascot
	864.388	864.4921	0.1041	120	250	256 DDLMQSR					Mascot
	882.5043	882.543	0.0387	44	1885	1891 DIEHKLK					Mascot
	937.5101	937.3951	-0.115	-123	2183	2189 QTLEKYR					Mascot
	1106.5623	1106.5132	-0.0491	-44	1432	1440 MKLEQNATR			Oxidation (M)[1]		Mascot
	1179.5059	1179.5714	0.0655	56	730	739 ENSVQECQSR					Mascot
	1277.71	1277.6705	-0.0395	-31	1152	1161 LTFLIEEEKR					Mascot
	1475.8217	1475.7155	-0.1062	-72	779	790 YLRAELDLINQK					Mascot
	1580.7665	1580.7137	-0.0528	-33	1048	1060 SSDYYKFLGEMLK					Mascot
	1613.7913	1613.6996	-0.0917	-57	1054	1066 FLGEMLKNMEELK			Oxidation (M)[5,9]		Mascot
	1673.8705	1673.7437	-0.1268	-76	1364	1377 EITLLTQNLQDETR					Mascot
	1705.8867	1705.7832	-0.1035	-61	17	32 SSSRPDLTAVGYSLPR					Mascot
	1829.9716	1829.8514	-0.1202	-66	1364	1378 EITLLTQNLQDETRR					Mascot

1852.8276	1852.8947	0.0671	36	64	83	NSQGGGAGGAQSMSSM AVQK						Mascot
1852.8276	1852.8947	0.0671	36	64	83	NSQGGGAGGAQSMSSM AVQK	11	0				Mascot
1881.9049	1881.9406	0.0357	19	2452	2470	GISSPYNVSSGPSSRSG SR						Mascot
2032.928	2033.0118	0.0838	41	1892	1910	SYLGGSDCIAGIYDEAKD R						Mascot
2092.0432	2091.9583	-0.0849	-41	382	398	CIHVHLKENAAYSQFFK				Carbamidomethyl (C)[1]		Mascot
2154.9727	2154.9653	-0.0074	-3	389	406	ENAAYSQFFKEANETYS R						Mascot
2283.1472	2283.1182	-0.029	-13	1664	1682	VEIAQIQKQFSETSMMIQ R				Oxidation (M)[15]		Mascot
2283.1472	2283.1182	-0.029	-13	1664	1682	VEIAQIQKQFSETSMMIQ R				Oxidation (M)[15]		Mascot
2297.9866	2298.123	0.1364	59	2035	2053	GYFDREMNEILSYEGDD TK				Oxidation (M)[7]		Mascot
2299.1421	2299.1208	-0.0213	-9	1664	1682	VEIAQIQKQFSETSMMIQ R				Oxidation (M)[15,16]		Mascot
2750.3025	2750.2644	-0.0381	-14	135	158	NAGLPNDMILRSLEDCHS FYADIR						Mascot
3337.5208	3337.6836	0.1628	49	85	114	AQMLYSDCMGFLQRAQ GLLETMGPASEVDK				Oxidation (M)[3,9,22]		Mascot
3337.5208	3337.6836	0.1628	49	85	114	AQMLYSDCMGFLQRAQ GLLETMGPASEVDK				Oxidation (M)[3,9,22]		Mascot
9	Down syndrome cell adhesion molecule [Danio rerio]					gi 71834586	224396.7	8.5	21	39	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4842	842.4877	0.0035	4	1748	1756	TAKAGPAAR					Mascot
870.4389	870.5197	0.0808	93	781	787	SMYLNVK			Oxidation (M)[2]		Mascot
974.5087	974.3779	-0.1308	-134	503	511	GSADIRPMK					Mascot
1009.5056	1009.4827	-0.0229	-23	1640	1648	SLAEMLMSK					Mascot
1024.4801	1024.5189	0.0388	38	804	812	GEKIEMSK					Mascot
1024.4801	1024.5189	0.0388	38	804	812	GEKIEMSK					Mascot
1051.5419	1051.6854	0.1435	136	1557	1566	VYNSAGLAEK					Mascot
1106.5146	1106.5132	-0.0014	-1	1089	1098	ATTMEDVPSR					Mascot
1179.5422	1179.5714	0.0292	25	1649	1658	NTRPSDTMKN			Oxidation (M)[8]		Mascot
1277.6597	1277.6705	0.0108	8	550	560	QRAFENNGTLK					Mascot
1451.7463	1451.7184	-0.0279	-19	1265	1277	YNIWVMAVTAAGR					Mascot
1467.7413	1467.7169	-0.0244	-17	1265	1277	YNIWVMAVTAAGR			Oxidation (M)[6]		Mascot
1498.7505	1498.679	-0.0715	-48	235	247	EVMASHRVELPCK					Mascot
1580.8365	1580.7137	-0.1228	-78	813	825	AHGEKPIMVRWEK					Mascot
1671.7731	1671.72	-0.0531	-32	830	842	EKQSHMINPDMWR					Mascot
1671.8523	1671.72	-0.1323	-79	417	431	VVGPNDFVSLTCHVK			Carbamidomethyl (C)[12]		Mascot

1687.7679	1687.7537	-0.0142	-8	830	842	EKQSHMINPDMWR	Oxidation (M)[6]	Mascot
1705.7996	1705.7832	-0.0164	-10	1935	1949	EAAMGQACLEPQKTR	Carbamidomethyl (C)[8], Oxidation (M)[4]	Mascot
1977.0626	1977.0013	-0.0613	-31	1292	1309	APAKILTFSGTVTPWMR		Mascot
2298.2097	2298.123	-0.0867	-38	1884	1904	FTASPPKPQDVCVINMA VPK		Mascot
2299.1565	2299.1208	-0.0357	-16	432	452	GTPQPAITWTLDDDEVVAK DSR		Mascot
2306.0757	2306.0891	0.0134	6	567	585	ELDEGEYSCHVQVQPQL FK	Carbamidomethyl (C)[9]	Mascot
2750.5754	2750.2644	-0.311	-113	1602	1625	MMVTISCILVGMVLLFVLL MVLRR		Mascot
3231.5222	3231.4143	-0.1079	-33	1034	1063	EHSTNGSHQFVCISVEAT GETESLSLNNLK		Mascot

10 protein-associating with the carboxyl-terminal domain of gij41054469 ezrin [Danio rerio]

85270.2 5.3 12 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4427	882.543	0.1003	114	349	355	VNEEHVR					Mascot
937.4481	937.3951	-0.053	-57	140	148	LGGMETVCK					Mascot
1045.5823	1045.5383	-0.044	-42	622	630	ALRLNPSMK			Oxidation (M)[8]		Mascot
1165.6622	1165.7134	0.0512	44	59	67	TLRHPCLLR			Carbamidomethyl (C)[6]		Mascot
1179.6885	1179.5714	-0.1171	-99	308	317	SFLPHLLQPK					Mascot
1467.7625	1467.7169	-0.0456	-31	219	231	NMLQASLLTPDHK					Mascot
1687.8538	1687.7537	-0.1001	-59	165	179	ENSAIPPEEKLEGFK					Mascot
2154.9939	2154.9653	-0.0286	-13	689	706	FEPDPELDDFFADMIPDIK			Oxidation (M)[13]		Mascot
2283.0889	2283.1182	0.0293	13	688	706	KFEPDPELDDFFADMIPDIK			Oxidation (M)[14]		Mascot
2283.0889	2283.1182	0.0293	13	688	706	KFEPDPELDDFFADMIPDIK			Oxidation (M)[14]		Mascot
2297.1189	2297.1318	0.0129	6	318	337	QDSSVNAGEECLLSLSLY RR			Carbamidomethyl (C)[11]		Mascot
2367.2375	2367.1724	-0.0651	-28	68	89	FLSCSVQDGGIHLVTEPV QPLK					Mascot
2750.2913	2750.2644	-0.0269	-10	494	517	TVFSSEMSFPLNGYRMS TQPVESR					Mascot

11 troponin T2d, cardiac [Danio rerio]

gij68448503 28495 9.39 7 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4002	842.4877	0.0875	104	123	129	HDEDAKK					Mascot
1421.757	1421.7091	-0.0479	-34	213	223	YDINQLLCRVK			Carbamidomethyl (C)[8]		Mascot
1705.8326	1705.7832	-0.0494	-29	132	146	ALTNMTHQYGGIQQK			Oxidation (M)[5]		Mascot
1913.0127	1912.9221	-0.0906	-47	53	68	DLTELQSLIEAHFLQR					Mascot

	2092.042	2091.9583	-0.0837	-40	185	201	DKATELWQWLMTLEAEK										Mascot
	2154.8867	2154.9653	0.0786	36	2	20	SDTEDVMDEAVQEEVDE SK										Mascot
	2298.2087	2298.123	-0.0857	-37	50	68	QEKDLTELQSLIEAHFLQ R										Mascot
12	ras-specific guanine nucleotide-releasing factor RalGPS1 [Danio rerio]					gi 153945868	65862.4	9.26	11	37	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
824.3533	824.4124	0.0591	72	180	185	EENYNR					Mascot
824.3533	824.4124	0.0591	72	180	185	EENYNR					Mascot
838.4304	838.4706	0.0402	48	166	172	DKATFEK					Mascot
856.4093	856.505	0.0957	112	561	567	HLAEACR			Carbamidomethyl (C)[6]		Mascot
1421.7107	1421.7091	-0.0016	-1	414	425	GRMYATLGPNNWR					Mascot
1671.8774	1671.72	-0.1574	-94	260	272	YLMSVRYIEELQK					Mascot
1671.8774	1671.72	-0.1574	-94	260	272	YLMSVRYIEELQK					Mascot
1673.8315	1673.7437	-0.0878	-52	67	81	AIQPEELASCGWNKK					Mascot
1687.8723	1687.7537	-0.1186	-70	260	272	YLMSVRYIEELQK			Oxidation (M)[3]		Mascot
1705.8921	1705.7832	-0.1089	-64	547	560	FQTGSRFSAIIWHR					Mascot
1976.9957	1977.0013	0.0056	3	294	312	LVSSKEDLGGPSEVSMS VR					Mascot
2346.2678	2346.0894	-0.1784	-76	481	500	CYWIVLSGSILIFYGSKAL R			Carbamidomethyl (C)[1]		Mascot
2346.2678	2346.0894	-0.1784	-76	481	500	CYWIVLSGSILIFYGSKAL R			Carbamidomethyl (C)[1]		Mascot
2367.1462	2367.1724	0.0262	11	273	293	FVEDDNYSLSLKIEPGNS SPR					Mascot
3395.5735	3395.5168	-0.0567	-17	383	413	NHTHDSVFTNGISLGSRE SSFSDELSSTVER					Mascot

13	glycerate kinase [Danio rerio]					gi 116517270	52575.3	5.76	9	35	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
824.3931	824.4124	0.0193	23	1	7	MSSLNTR			Oxidation (M)[1]		Mascot
824.3931	824.4124	0.0193	23	1	7	MSSLNTR			Oxidation (M)[1]		Mascot
842.4366	842.4877	0.0511	61	269	275	NQPQEVK					Mascot
864.4495	864.4921	0.0426	49	104	111	ITVMEGAK			Oxidation (M)[4]		Mascot
1051.5314	1051.6854	0.154	146	1	9	MSSLNTRAR			Oxidation (M)[1]		Mascot
1475.8064	1475.7155	-0.0909	-62	254	268	EVLKSKISGQSGVK					Mascot
1655.9438	1655.7225	-0.2213	-134	169	184	KLAAAGATIQELNTRV					Mascot

	1655.9438	1655.7225	-0.2213	-134	169	184	KLAAAGATIQELNTR										Mascot
	1852.86	1852.8947	0.0347	19	228	243	SDSSPEEVWAILDNYK										Mascot
	1852.86	1852.8947	0.0347	19	228	243	SDSSPEEVWAILDNYK										Mascot
	1912.9949	1912.9221	-0.0728	-38	317	334	SVARLYGLSSFACSPGK						Carbamidomethyl (C)[14]				Mascot
	3379.7466	3379.5144	-0.2322	-69	36	67	LHVGGQSFTLTNNLYLVG FGKAVLGMAAEAEER						Oxidation (M)[26]				Mascot

14 PREDICTED: hypothetical protein LOC100003217 [Danio rerio] gi|326678765 31640.9 5.2 8 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4114	842.4877	0.0763	91	78	84	SREAHDK					Mascot
932.4328	932.478	0.0452	48	29	35	MMTRSYK			Oxidation (M)[1]		Mascot
974.5087	974.3779	-0.1308	-134	178	185	EGQVCLIR			Carbamidomethyl (C)[5]		Mascot
1277.6704	1277.6705	0.0001	0	208	218	LICEMARQIGK			Oxidation (M)[5]		Mascot
1475.7887	1475.7155	-0.0732	-50	66	77	TDLLRLSEEMR					Mascot
2210.9482	2211.0466	0.0984	45	196	214	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
2283.9646	2284.1128	0.1482	65	196	214	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]		Mascot
2346.1799	2346.0894	-0.0905	-39	132	151	TACEPTLLNFLEPTKPWER					Mascot
2346.1799	2346.0894	-0.0905	-39	132	151	TACEPTLLNFLEPTKPWER					Mascot
3379.678	3379.5144	-0.1636	-48	132	159	TACEPTLLNFLEPTKPWERDWHPLQEK					Mascot

15 PREDICTED: huntingtin-interacting protein 1-related protein-like [Danio rerio] gi|326671469 126222.3 5.94 14 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5206	842.4877	-0.0329	-39	973	979	VRLGELR					Mascot
870.4614	870.5197	0.0583	67	434	440	HADLMRK					Mascot
974.4335	974.3779	-0.0556	-57	87	93	FCHMVHK			Carbamidomethyl (C)[2], Oxidation (M)[4]		Mascot
1498.7496	1498.679	-0.0706	-47	366	377	LESELEEQRTHK					Mascot
1613.8254	1613.6996	-0.1258	-78	94	107	LLRDGHPNGNLHDR					Mascot
1671.8418	1671.72	-0.1218	-73	1098	1112	SGHMLRNAMSLDALR	3	0			Mascot
1671.8418	1671.72	-0.1218	-73	1098	1112	SGHMLRNAMSLDALR					Mascot
1687.8358	1687.7537	-0.0821	-49	548	561	QTLQNQQSSLQQR					Mascot
1705.8062	1705.7832	-0.023	-13	745	759	AADVRQEELADMVDK			Oxidation (M)[12]		Mascot

1852.7913	1852.8947	0.1034	56	178	194	QMDSHSTSSTTAVGQCR	Carbamidomethyl (C)[16]	Mascot
1852.7913	1852.8947	0.1034	56	178	194	QMDSHSTSSTTAVGQCR	Carbamidomethyl (C)[16]	Mascot
1890.9443	1890.912	-0.0323	-17	129	145	HPEIPANLEASEEVLDK		Mascot
1977.0803	1977.0013	-0.079	-40	257	273	TIQIPDLPNEPPNFLR		Mascot
2211.2344	2211.0466	-0.1878	-85	514	534	AGDQLSSVLVGLQAEKD VLLR		Mascot
2283.155	2283.1182	-0.0368	-16	616	634	VDDPLHVCISTPDYLIN R	Carbamidomethyl (C)[9]	Mascot
2283.155	2283.1182	-0.0368	-16	616	634	VDDPLHVCISTPDYLIN R	Carbamidomethyl (C)[9]	Mascot
2363.1638	2363.0955	-0.0683	-29	97	117	DGHPNGNLHDRYGHIVA LYSK		Mascot

16 PREDICTED: hypothetical protein LOC563477 [Danio rerio] gi|326678117 162160.2 8.46 16 34 0 22 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
824.4625	824.4124	-0.0501	-61	971	977	HKLPSDK					Mascot
824.4625	824.4124	-0.0501	-61	971	977	HKLPSDK					Mascot
856.3837	856.505	0.1213	142	1186	1192	VRCMTCK			Oxidation (M)[4]		Mascot
870.4614	870.5197	0.0583	67	925	931	LCQTLHR					Mascot
974.4802	974.3779	-0.1023	-105	533	540	SHEHIHSK					Mascot
1024.5317	1024.5189	-0.0128	-12	218	226	LFLCIACGK			Carbamidomethyl (C)[4]		Mascot
1024.5317	1024.5189	-0.0128	-12	218	226	LFLCIACGK	22	0	Carbamidomethyl (C)[7]		Mascot
1165.6576	1165.7134	0.0558	48	793	802	ITAITDKFTR					Mascot
1179.6117	1179.5714	-0.0403	-34	1289	1298	THEKIHTGEK					Mascot
1277.6129	1277.6705	0.0576	45	1058	1067	MIGYYRMSTR					Mascot
1421.6642	1421.7091	0.0449	32	125	136	VKSEELSEDEEK					Mascot
1673.6893	1673.7437	0.0544	33	1044	1057	EYNNNMAGVDLMDR			Oxidation (M)[6,12]		Mascot
1829.7833	1829.8514	0.0681	37	291	305	CSYCDKTFSEQSEYLR					Mascot
1993.885	1993.9214	0.0364	18	950	965	MMEKELYMTGTIMNNR			Oxidation (M)[1,2]		Mascot
2155.1038	2154.9653	-0.1385	-64	1205	1223	TYLSVHSLKPFSCSLCG K			Carbamidomethyl (C)[14]		Mascot
2174.0112	2174.0359	0.0247	11	1188	1204	CMTCKVFLCLQLNEDVK			Carbamidomethyl (C)[1,4,9], Oxidation (M)[2]		Mascot
2264.1348	2264.0298	-0.105	-46	338	356	IHTVVKPFTCTQC GKTCV K			Carbamidomethyl (C)[10,13,17]		Mascot
2297.1458	2297.1318	-0.014	-6	1075	1093	MVMHFTDLALANSWLLY QK			Oxidation (M)[1]		Mascot

17 Commd1 protein [Danio rerio] gi|79160149 20726.6 5.88 6 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	870.4614	870.5197	0.0583	67	44	50	ALHDKMR										Mascot
	1655.8864	1655.7225	-0.1639	-99	103	116	ESLLAQSRWEPALR										Mascot
	1655.8864	1655.7225	-0.1639	-99	103	116	ESLLAQSRWEPALR										Mascot
	1671.921	1671.72	-0.201	-120	1	16	GLLGCVSALLNGITQR					Carbamidomethyl (C)[5]					Mascot
	1671.921	1671.72	-0.201	-120	1	16	GLLGCVSALLNGITQR					Carbamidomethyl (C)[5]					Mascot
	1890.8062	1890.912	0.1058	56	148	163	TGESSEFVCVEFDEQK					Carbamidomethyl (C)[9]					Mascot
	2211.0022	2211.0466	0.0444	20	31	48	NELYAEMTEDEFRALHD K										Mascot
	2283.092	2283.1182	0.0262	11	55	75	SIASADMDQAQLEAFLTA QTR					Oxidation (M)[7]					Mascot
	2283.092	2283.1182	0.0262	11	55	75	SIASADMDQAQLEAFLTA QTR					Oxidation (M)[7]					Mascot
18	PREDICTED: protein NLRC3-like [Danio rerio]				gi 292622940		73637.7	5.97	10	34	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.5145	850.521	0.0065	8	535	541	RITGYIK					Mascot
870.5043	870.5197	0.0154	18	370	376	DPERLLK					Mascot
1045.6252	1045.5383	-0.0869	-83	127	135	DQIKTVLTK					Mascot
1277.6923	1277.6705	-0.0218	-17	385	395	LAELAFNQLMK					Mascot
1671.8199	1671.72	-0.0999	-60	158	171	ASQDVDFMFVLPFR					Mascot
1671.8199	1671.72	-0.0999	-60	158	171	ASQDVDFMFVLPFR					Mascot
1687.8148	1687.7537	-0.0611	-36	158	171	ASQDVDFMFVLPFR			Oxidation (M)[8]		Mascot
1829.8625	1829.8514	-0.0111	-6	1	17	MPLPLEFSDGAEPSPDK					Mascot
2346.1655	2346.0894	-0.0761	-32	555	572	CINLFLC LLEMKDQTL YR			Carbamidomethyl (C)[1,7], Oxidation (M)[11]		Mascot
2346.1655	2346.0894	-0.0761	-32	555	572	CINLFLC LLEMKDQTL YR			Carbamidomethyl (C)[1,7], Oxidation (M)[11]		Mascot
3231.5515	3231.4143	-0.1372	-42	104	130	TQDTPIYCS DIFKPLQEPE HEEKDQIK					Mascot
3338.6846	3338.6643	-0.0203	-6	313	340	SLHIMCHIPVFCWISATVL QKLLNEDDR			Carbamidomethyl (C)[6]		Mascot
3395.6497	3395.5168	-0.1329	-39	587	615	NLSPSHCSTIIYMLQISEE ALNDEFDLKK			Carbamidomethyl (C)[7]		Mascot

19 PREDICTED: hypothetical protein LOC100535084 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
838.3876	838.4706	0.083	99	201	207	ADFMQAR					Mascot
842.5206	842.4877	-0.0329	-39	1540	1546	RTVNKPK					Mascot

1009.5061	1009.4827	-0.0234	-23	566	574	NVFSNTTAR											Mascot
1045.6	1045.5383	-0.0617	-59	1446	1455	SAKDLAITAR											Mascot
1051.6259	1051.6854	0.0595	57	713	721	VVDLLISHR											Mascot
1062.6055	1062.6652	0.0597	56	887	895	RAVEATFLR											Mascot
1179.6844	1179.5714	-0.113	-96	2005	2014	EKIPSTVLHR											Mascot
1467.7261	1467.7169	-0.0092	-6	908	920	AAYSAQVKDMLDR											Mascot
1475.6981	1475.7155	0.0174	12	1676	1687	CQQIMGDLPLER										Carbamidomethyl (C)[1], Oxidation (M)[5]	Mascot
1613.745	1613.6996	-0.0454	-28	482	494	KCLEVHEQYSFCK											Mascot
1655.7516	1655.7225	-0.0291	-18	1136	1149	VMVLPNQMHDDDNK											Mascot
1655.7516	1655.7225	-0.0291	-18	1136	1149	VMVLPNQMHDDDNK											Mascot
1671.7466	1671.72	-0.0266	-16	1136	1149	VMVLPNQMHDDDNK										Oxidation (M)[2]	Mascot
1671.7466	1671.72	-0.0266	-16	1136	1149	VMVLPNQMHDDDNK										Oxidation (M)[2]	Mascot
1673.8129	1673.7437	-0.0692	-41	252	266	DWEALQKQEPTGSK											Mascot
1687.7415	1687.7537	0.0122	7	1136	1149	VMVLPNQMHDDDNK										Oxidation (M)[2,8]	Mascot
1829.936	1829.8514	-0.0846	-46	1040	1056	VNIGDKPAGCIAQLAMR										Carbamidomethyl (C)[10], Oxidation (M)[16]	Mascot
1881.7887	1881.9406	0.1519	81	830	846	CGNCQPGGKEMSLAEE R										Carbamidomethyl (C)[1], Oxidation (M)[11]	Mascot
1912.8892	1912.9221	0.0329	17	1134	1149	EKVMVLPNQMHDDDNK											Mascot
2092.0344	2091.9583	-0.0761	-36	746	764	TIGGTHPELFEDVTVSAY R											Mascot
2264.2104	2264.0298	-0.1806	-80	1179	1198	LGQNLTQEQVRAQTPNP LTR											Mascot
2283.1648	2283.1182	-0.0466	-20	1479	1498	EPTMESKPIESPNLVRAE QK											Mascot
2283.1648	2283.1182	-0.0466	-20	1479	1498	EPTMESKPIESPNLVRAE QK											Mascot
2299.1599	2299.1208	-0.0391	-17	1479	1498	EPTMESKPIESPNLVRAE QK										Oxidation (M)[4]	Mascot
2306.1445	2306.0891	-0.0554	-24	1864	1883	EQTQEGCIQYVTPNSLLL GR										Carbamidomethyl (C)[7]	Mascot
3379.7532	3379.5144	-0.2388	-71	1603	1632	VQVFQDDQLSVIPLSNS WISTLLAQESHK											Mascot
20	glutathione peroxidase 1b [Danio rerio]				gi 169636422	21638	7.66	6	34	0							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1165.6099	1165.7134	0.1035	89	173	183	FLTSGIDGDIK					Mascot
1179.6409	1179.5714	-0.0695	-59	157	167	FLIGSDGVPFK					Mascot
1451.6219	1451.7184	0.0965	66	45	55	DYTQMNELHER			Oxidation (M)[5]		Mascot
1671.8588	1671.72	-0.1388	-83	14	28	TLTGEEFKFSSLQGK					Mascot
1671.8588	1671.72	-0.1388	-83	14	28	TLTGEEFKFSSLQGK					Mascot
2091.9766	2091.9583	-0.0183	-9	121	138	EKLPPSPDEPMPFMSDP K					Mascot

2297.1602

2297.1318

-0.0284

-12

148

167

NDIAWNFEKFLIGSDGVP
FK

Mascot

21

PREDICTED: bromodomain and WD repeat-containing protein 1 [Danio rerio]

gi|326674050

246451

6.53

20

34

0

Peptide Information							Ion Score	C. I.	% Modification	Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence					
838.3723	838.4706	0.0983	117	729	735	SQMATER			Oxidation (M)[3]		Mascot
932.4543	932.478	0.0237	25	1168	1175	GREQESAR					Mascot
937.4333	937.3951	-0.0382	-41	2037	2045	SSRSSDGNK					Mascot
974.5166	974.3779	-0.1387	-142	390	397	DGTARIWR					Mascot
1009.4771	1009.4827	0.0056	6	432	439	VTMVSWDR			Oxidation (M)[3]		Mascot
1024.5244	1024.5189	-0.0055	-5	25	33	YLSTGPCRK					Mascot
1024.5244	1024.5189	-0.0055	-5	25	33	YLSTGPCRK	1	0			Mascot
1165.6099	1165.7134	0.1035	89	200	210	IFTGSDDALVK					Mascot
1277.71	1277.6705	-0.0395	-31	1008	1018	DQEFVKITGIK					Mascot
1464.7151	1464.7493	0.0342	23	1376	1387	YENPIDVCKDIR					Mascot
1498.7794	1498.679	-0.1004	-67	700	712	MEVQSPPNVGLRR			Oxidation (M)[1]		Mascot
1829.7705	1829.8514	0.0809	44	1914	1930	QKLCASSESSSESDEK					Mascot
1891.0006	1890.912	-0.0886	-47	180	195	RILGHLSAVYCIAFDR			Carbamidomethyl (C)[11]		Mascot
1912.9625	1912.9221	-0.0404	-21	961	976	KSPFVPQMGDEVIYFR					Mascot
1993.8807	1993.9214	0.0407	20	2057	2073	FKQLMGSTDSESDFETR			Oxidation (M)[5]		Mascot
2091.9851	2091.9583	-0.0268	-13	163	179	FSSINPVSNYQHMKMHR			Oxidation (M)[13]		Mascot
2211.061	2211.0466	-0.0144	-7	370	389	VDSIQFCHSGESLRFVSG SR					Mascot
2283.1841	2283.1182	-0.0659	-29	1045	1063	TFSIKYHDMADVIDFLVLR					Mascot
2283.1841	2283.1182	-0.0659	-29	1045	1063	TFSIKYHDMADVIDFLVLR					Mascot
2299.1792	2299.1208	-0.0584	-25	1045	1063	TFSIKYHDMADVIDFLVLR			Oxidation (M)[9]		Mascot
2306.0378	2306.0891	0.0513	22	1793	1812	HRSITQESSENSSDEEVET TK					Mascot
2362.9138	2363.0955	0.1817	77	2104	2126	GSNDNGSNFESESESE ASSGSR					Mascot
3231.6804	3231.4143	-0.2661	-82	253	282	VWCLRTCAPVAVLQGH GSITSLQFSPVK					Mascot

22

proline synthase co-transcribed bacterial homolog protein [Danio rerio]

gi|187607726

31651.3

8.44

8

34

0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
937.5101	937.3951	-0.115	-123	242	250	VGSTIFGTR					Mascot

	1165.6266	1165.7134	0.0868	74	89	97	WHFIGHLQK										Mascot
	1277.7511	1277.6705	-0.0806	-63	29	39	RPKTLPCIPPR										Mascot
	1421.6941	1421.7091	0.015	11	141	153	IMVQINTSGEDSK										Mascot
	1613.7484	1613.6996	-0.0488	-30	1	13	MWRVVMMSSEEVGK					Oxidation (M)[1,6]					Mascot
	1891.0245	1890.912	-0.1125	-59	103	119	LLGVPNLYMVETIDSVK										Mascot
	2032.9834	2033.0118	0.0284	14	58	74	HGQRNFGENYVNELVEK										Mascot
	2264.1194	2264.0298	-0.0896	-40	242	262	VGSTIFGTREYPNTPSPS PEK										Mascot
23	protein RMD5 homolog B [Danio rerio]				gi 41152122		44610.5	6.03	9	33	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4366	842.4877	0.0511	61	80	87	DIHGSVSK					Mascot
937.3865	937.3951	0.0086	9	2	9	EQCACVER					Mascot
1045.4884	1045.5383	0.0499	48	307	315	QCSGVWTHK					Mascot
1106.559	1106.5132	-0.0458	-41	210	218	QQEALQYAR					Mascot
1655.6498	1655.7225	0.0727	44	374	387	CPYCPMEQNPSDAK			Carbamidomethyl (C)[1], Oxidation (M)[6]		Mascot
1655.6498	1655.7225	0.0727	44	374	387	CPYCPMEQNPSDAK			Carbamidomethyl (C)[1], Oxidation (M)[6]		Mascot
1673.8639	1673.7437	-0.1202	-72	29	42	LDELLNNVCELRSR					Mascot
2225.1165	2225.0593	-0.0572	-26	341	360	QQTSESNPPMKLICGHV SR					Mascot
2225.1165	2225.0593	-0.0572	-26	341	360	QQTSESNPPMKLICGHV SR					Mascot
2263.9456	2264.0298	0.0842	37	374	391	CPYCPMEQNPSDAKQIY F			Carbamidomethyl (C)[1,4], Oxidation (M)[6]		Mascot
2298.1328	2298.123	-0.0098	-4	341	360	QQTSESNPPMKLICGHV SR			Carbamidomethyl (C)[14], Oxidation (M)[10]		Mascot
2750.3423	2750.2644	-0.0779	-28	41	65	SRLLAYGVQDADLSVLH QTMAQCCK					Mascot

24 small ubiquitin-related modifier 3 precursor [Danio rerio] gi|239048085 10690.3 5.34 5 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
838.4893	838.4706	-0.0187	-22	35	41	RHTPLSK					Mascot
864.4131	864.4921	0.079	91	1	7	MSEKPK			Oxidation (M)[1]		Mascot
1277.6405	1277.6705	0.03	23	1	11	MSEKPKKEGVK			Oxidation (M)[1]		Mascot
1475.8217	1475.7155	-0.1062	-72	21	34	VAGQDGSVVQFKIK					Mascot
2299.1677	2299.1208	-0.0469	-20	12	32	TENDHINLKVAGQDGSV VQFK					Mascot

25 PREDICTED: disco-interacting protein 2 homolog A-like gi|292617384 170570.6 8.3 16 33 0

[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
850.4161	850.521	0.1049	123	101	107 KMPMP SK			Oxidation (M)[2,4]		Mascot
856.457	856.505	0.048	56	1536	1541 QRMHLR			Oxidation (M)[3]		Mascot
1024.5673	1024.5189	-0.0484	-47	1275	1283 ITLTQSFSK					Mascot
1024.5673	1024.5189	-0.0484	-47	1275	1283 ITLTQSFSK					Mascot
1062.5612	1062.6652	0.104	98	796	805 LDGLMVVSGR			Oxidation (M)[5]		Mascot
1165.567	1165.7134	0.1464	126	1168	1176 LQCELYPSR			Carbamidomethyl (C)[3]		Mascot
1451.9056	1451.7184	-0.1872	-129	261	272 IQQLNLTKRPK					Mascot
1475.7457	1475.7155	-0.0302	-20	1154	1167 MSHAATSALCRSIK					Mascot
1655.8071	1655.7225	-0.0846	-51	598	610 DMHWSLLAQ RDQR					Mascot
1655.8323	1655.7225	-0.1098	-66	548	562 DAGLWHGVLTSVMNR					Mascot
1671.802	1671.72	-0.082	-49	598	610 DMHWSLLAQ RDQR			Oxidation (M)[2]		Mascot
1671.8271	1671.72	-0.1071	-64	548	562 DAGLWHGVLTSVMNR			Oxidation (M)[13]		Mascot
1705.965	1705.7832	-0.1818	-107	478	491 HVVKPPKDWHPPIR					Mascot
1852.9585	1852.8947	-0.0638	-34	1334	1350 LVERGSPHSLPLMESGK			Oxidation (M)[13]		Mascot
1852.9585	1852.8947	-0.0638	-34	1334	1350 LVERGSPHSLPLMESGK			Oxidation (M)[13]		Mascot
1976.9268	1977.0013	0.0745	38	160	180 VIQGSSTSSSASSTSSHP GGR					Mascot
2154.999	2154.9653	-0.0337	-16	141	159 FASSSPYAAQASVEHWF NR					Mascot
2233.0999	2233.0366	-0.0633	-28	1256	1274 NVNLSCVRTCMVVAEER PR			Carbamidomethyl (C)[6]		Mascot
2306.1162	2306.0891	-0.0271	-12	1256	1274 NVNLSCVRTCMVVAEER PR			Carbamidomethyl (C)[6,10], Oxidation (M)[11]		Mascot
2346.1912	2346.0894	-0.1018	-43	807	827 HNADDVVATALAVEPMK FVYR					Mascot
2346.1912	2346.0894	-0.1018	-43	807	827 HNADDVVATALAVEPMK FVYR					Mascot
3231.6157	3231.4143	-0.2014	-62	903	930 QRFLEGALHPCNVLMCP HTCVTNLPKPR			Carbamidomethyl (C)[11]		Mascot

26 PTEN induced putative kinase 1 [Danio rerio] gi|197245606 63734.2 9.48 10 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1009.5577	1009.4827	-0.075	-74	51	58 TFLPGRYR					Mascot
1062.5916	1062.6652	0.0736	69	475	483 NPHKRPSAR					Mascot
1655.8904	1655.7225	-0.1679	-101	126	139 KFQSLPKPFTSGYR					Mascot
1655.8904	1655.7225	-0.1679	-101	126	139 KFQSLPKPFTSGYR					Mascot

1705.807	1705.7832	-0.0238	-14	223	237	SMSMELVPSCPQALR	Carbamidomethyl (C)[10]	Mascot
1852.9663	1852.8947	-0.0716	-39	239	255	EQGELTLNGHFGAVPKR		Mascot
1852.9663	1852.8947	-0.0716	-39	239	255	EQGELTLNGHFGAVPKR		Mascot
1913.0425	1912.9221	-0.1204	-63	291	307	LNPHGLGSNRTLFLVMK	Oxidation (M)[16]	Mascot
2174.1096	2174.0359	-0.0737	-34	325	343	TQASLMFLQLLEGVDHLC R		Mascot
2264.1418	2264.0298	-0.112	-49	281	300	EEYPDVLPTRLNPHGLG SNR		Mascot
2346.2056	2346.0894	-0.1162	-50	324	343	RTQASLMFLQLLEGVDHL CR	Oxidation (M)[7]	Mascot
2346.2056	2346.0894	-0.1162	-50	324	343	RTQASLMFLQLLEGVDHL CR	Oxidation (M)[7]	Mascot
3338.5823	3338.6643	0.082	25	207	237	MMWNIGAGSSSDAILRS MSMELVPSCPQALR		Mascot
3395.6038	3395.5168	-0.087	-26	207	237	MMWNIGAGSSSDAILRS MSMELVPSCPQALR	Carbamidomethyl (C)[26]	Mascot

27 pyruvate dehydrogenase kinase, isozyme 3b [Danio rerio] gi|123702577 21003.7 8.49 7 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4468	882.543	0.0962	109	30	36	QFLDFGR					Mascot
1009.5023	1009.4827	-0.0196	-19	21	29	FSPSPMSIK			Oxidation (M)[6]		Mascot
1045.5499	1045.5383	-0.0116	-11	43	50	TSYMFLRK					Mascot
1165.6836	1165.7134	0.0298	26	1	9	MKLFICLLK			Carbamidomethyl (C)[6]		Mascot
1613.7377	1613.6996	-0.0381	-24	30	42	QFLDFGRENACEK			Carbamidomethyl (C)[11]		Mascot
2155.0852	2154.9653	-0.1199	-56	96	113	RSPEDPHTLNDFLEMLIK					Mascot
2284.1641	2284.1128	-0.0513	-22	97	115	SPEDPHTLNDFLEMLIKIR			Oxidation (M)[14]		Mascot

28 estrogen-related receptor delta [Danio rerio] gi|45479152 39073.7 8.84 8 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
824.4195	824.4124	-0.0071	-9	317	322	SVRCFR	1	0	Carbamidomethyl (C)[4]		Mascot
824.4195	824.4124	-0.0071	-9	317	322	SVRCFR			Carbamidomethyl (C)[4]		Mascot
937.4528	937.3951	-0.0577	-62	74	81	CLRAGMMR					Mascot
1308.665	1308.6438	-0.0212	-16	150	160	TLMTLCDLLNR			Oxidation (M)[3]		Mascot
1580.7672	1580.7137	-0.0535	-34	237	248	HLTCRYQQMSLK			Carbamidomethyl (C)[4], Oxidation (M)[9]		Mascot
1671.9172	1671.72	-0.1972	-118	123	136	LICELLCEVTPLR	3	0	Carbamidomethyl (C)[8]		Mascot
1671.9172	1671.72	-0.1972	-118	123	136	LICELLCEVTPLR			Carbamidomethyl (C)[3]		Mascot
1673.9189	1673.7437	-0.1752	-105	303	316	MLMTLPLLRQTANR			Oxidation (M)[1]		Mascot

	2283.0632	2283.1182	0.055	24	41	60	TIQGNIEYSCPVVNDCEIT K				Carbamidomethyl (C)[10]	Mascot
	2283.0632	2283.1182	0.055	24	41	60	TIQGNIEYSCPVVNDCEIT K				Carbamidomethyl (C)[10]	Mascot
	2346.2097	2346.0894	-0.1203	-51	324	343	LHTDGHVPMHKLFLEML EAK					Mascot
	2346.2097	2346.0894	-0.1203	-51	324	343	LHTDGHVPMHKLFLEML EAK					Mascot

29 PREDICTED: estrogen-related receptor gamma [Danio rerio] gi|326676287 50268.9 6.95 8 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
824.4195	824.4124	-0.0071	-9	424	429	SVRCFR	1	0	Carbamidomethyl (C)[4]		Mascot
824.4195	824.4124	-0.0071	-9	424	429	SVRCFR			Carbamidomethyl (C)[4]		Mascot
937.4528	937.3951	-0.0577	-62	181	188	CLRAGMMR					Mascot
1308.665	1308.6438	-0.0212	-16	257	267	TLMTLCDLLNR			Oxidation (M)[3]		Mascot
1580.7672	1580.7137	-0.0535	-34	344	355	HLTCRYQQMSLK			Carbamidomethyl (C)[4], Oxidation (M)[9]		Mascot
1671.9172	1671.72	-0.1972	-118	230	243	LICELLCEVTPLR	3	0	Carbamidomethyl (C)[8]		Mascot
1671.9172	1671.72	-0.1972	-118	230	243	LICELLCEVTPLR			Carbamidomethyl (C)[3]		Mascot
1673.9189	1673.7437	-0.1752	-105	410	423	MLMTLPLLRQTANR			Oxidation (M)[1]		Mascot
2283.0632	2283.1182	0.055	24	148	167	TIQGNIEYSCPVVNDCEIT K			Carbamidomethyl (C)[10]		Mascot
2283.0632	2283.1182	0.055	24	148	167	TIQGNIEYSCPVVNDCEIT K			Carbamidomethyl (C)[10]		Mascot
2346.2097	2346.0894	-0.1203	-51	431	450	LHTDGHVPMHKLFLEML EAK					Mascot
2346.2097	2346.0894	-0.1203	-51	431	450	LHTDGHVPMHKLFLEML EAK					Mascot

30 novel protein (zgc:55575) [Danio rerio] gi|56207459 85210.2 5.3 11 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4427	882.543	0.1003	114	349	355	VNEEHVR					Mascot
937.4481	937.3951	-0.053	-57	140	148	LGGMETVCK					Mascot
1045.5823	1045.5383	-0.044	-42	622	630	ALRLNPSMK			Oxidation (M)[8]		Mascot
1165.6622	1165.7134	0.0512	44	59	67	TLRHPCLLR			Carbamidomethyl (C)[6]		Mascot
1179.6885	1179.5714	-0.1171	-99	308	317	SFLPHLLQPK					Mascot
1467.7625	1467.7169	-0.0456	-31	219	231	NMLQASLLTPDHK					Mascot
2154.9939	2154.9653	-0.0286	-13	689	706	FEPDPELDFADMIPIK			Oxidation (M)[13]		Mascot
2283.0889	2283.1182	0.0293	13	688	706	KFEPDPELDFADMIPIK			Oxidation (M)[14]		Mascot

	2283.0889	2283.1182	0.0293	13	688	706	KFEPDPELDFADMIPIK		Oxidation (M)[14]	Mascot
	2297.1189	2297.1318	0.0129	6	318	337	QDSSVNAGEECLLSLSLY RR		Carbamidomethyl (C)[11]	Mascot
	2367.2375	2367.1724	-0.0651	-28	68	89	FLSCSVQDGGIHLVTEPV QPLK			Mascot
	2750.2913	2750.2644	-0.0269	-10	494	517	TVFSSEMSFPLNGYRMS TQPVESR			Mascot

31 oxysterol-binding protein-related protein 1 [Danio rerio] gi|113682341 110027.3 5.74 13 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
838.449	838.4706	0.0216	26	786	792	VCVLYGK			Carbamidomethyl (C)[2]		Mascot
864.5045	864.4921	-0.0124	-14	25	31	LLMCKIK			Oxidation (M)[3]		Mascot
937.4481	937.3951	-0.053	-57	572	579	CIGMELSK			Carbamidomethyl (C)[1]		Mascot
1024.5165	1024.5189	0.0024	2	571	579	KCIGMELSK			Oxidation (M)[5]		Mascot
1024.5165	1024.5189	0.0024	2	571	579	KCIGMELSK			Oxidation (M)[5]		Mascot
1106.5663	1106.5132	-0.0531	-48	551	560	TSLPAPMFSR					Mascot
1277.6525	1277.6705	0.018	14	695	705	FWGKSVEAEPK					Mascot
1308.6735	1308.6438	-0.0297	-23	682	692	NFVFHGSYIPK					Mascot
1451.6794	1451.7184	0.039	27	129	140	SMLEATERTEER					Mascot
1467.6744	1467.7169	0.0425	29	129	140	SMLEATERTEER			Oxidation (M)[2]		Mascot
1671.8127	1671.72	-0.0927	-55	282	295	QGCKPLTQAHCMIK			Carbamidomethyl (C)[3,11]		Mascot
1671.8127	1671.72	-0.0927	-55	282	295	QGCKPLTQAHCMIK			Carbamidomethyl (C)[3,11]		Mascot
1687.8076	1687.7537	-0.0539	-32	282	295	QGCKPLTQAHCMIK			Carbamidomethyl (C)[3,11], Oxidation (M)[12]		Mascot
1829.9183	1829.8514	-0.0669	-37	282	297	QGCKPLTQAHCMIKAK			Carbamidomethyl (C)[3], Oxidation (M)[12]		Mascot
1993.9808	1993.9214	-0.0594	-30	757	773	CCLNFKPCGLFGKELHK			Carbamidomethyl (C)[1]		Mascot
2211.0664	2211.0466	-0.0198	-9	44	62	SKSNHGWTPHLACYFG HR					Mascot
2306.0752	2306.0891	0.0139	6	891	910	LRPDIRAMENGIDIMASE EK			Oxidation (M)[8]		Mascot

32 RecName: Full=Ras-specific guanine nucleotide-releasing factor RalGPS1; AltName: Full=Ral GEF with gi|189040075 65996.6 9.38 10 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
824.3533	824.4124	0.0591	72	180	185	EENYNR					Mascot
824.3533	824.4124	0.0591	72	180	185	EENYNR					Mascot
838.4304	838.4706	0.0402	48	166	172	DKATFEK					Mascot
856.4093	856.505	0.0957	112	561	567	HLAEACR			Carbamidomethyl (C)[6]		Mascot

1421.7107	1421.7091	-0.0016	-1	414	425	GRMYATLGPNWR							Mascot
1671.8774	1671.72	-0.1574	-94	260	272	YLMSVRYIEELQK							Mascot
1671.8774	1671.72	-0.1574	-94	260	272	YLMSVRYIEELQK							Mascot
1673.8315	1673.7437	-0.0878	-52	67	81	AIQPEELASCGWNKK							Mascot
1687.8723	1687.7537	-0.1186	-70	260	272	YLMSVRYIEELQK				Oxidation (M)[3]			Mascot
1705.8921	1705.7832	-0.1089	-64	547	560	FQTGSRFSAIIWHR							Mascot
1976.9957	1977.0013	0.0056	3	294	312	LVSSKEDLGGPSEVSMS VR							Mascot
2367.1462	2367.1724	0.0262	11	273	293	FVEDDNYSLSLKIEPGNS SPR							Mascot
3395.5735	3395.5168	-0.0567	-17	383	413	NHTHDSVFTNGISLGSRE SSFSDLSSTVER							Mascot

33 epoxide hydrolase 2 [Danio rerio] gi|56693357 61852.6 6.11 9 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
838.4781	838.4706	-0.0075	-9	549	556	ASISVHPK					Mascot
1467.7128	1467.7169	0.0041	3	461	471	GPLNWKYRNYER					Mascot
1475.8324	1475.7155	-0.1169	-79	482	495	AKILMPALMVTAGK			Oxidation (M)[5,9]		Mascot
1852.9738	1852.8947	-0.0791	-43	97	112	VEFNMTFLDAAAVLRR					Mascot
1852.9738	1852.8947	-0.0791	-43	97	112	VEFNMTFLDAAAVLRR					Mascot
1881.8721	1881.9406	0.0685	36	57	72	TTLAQMIPEFDAECQK			Carbamidomethyl (C)[14]		Mascot
2092.0896	2091.9583	-0.1313	-63	272	290	YQIPALADAGFRVLAPDM K			Oxidation (M)[18]		Mascot
2225.113	2225.0593	-0.0537	-24	417	438	LSPAGVCQRGGLFVGSP DDPPR					Mascot
2225.113	2225.0593	-0.0537	-24	417	438	LSPAGVCQRGGLFVGSP DDPPR					Mascot
2284.2004	2284.1128	-0.0876	-38	496	516	DPVLLPAFATGMENLIPN LSR			Oxidation (M)[12]		Mascot
3379.615	3379.5144	-0.1006	-30	426	456	GGLFVGSPDDPPRSSML SVSALQFYTEQYSK			Oxidation (M)[16]		Mascot

34 Si:ch211-215a10.4 protein [Danio rerio] gi|126631961 20359.9 9.75 5 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5519	882.543	-0.0089	-10	5	11	LRVELPR					Mascot
1976.986	1977.0013	0.0153	8	52	67	LMCLFYADAQLEVLK			Carbamidomethyl (C)[3]		Mascot
2367.1152	2367.1724	0.0572	24	101	120	NHLYRTYDAFSTFYIGAD GR					Mascot
3337.7615	3337.6836	-0.0779	-23	41	67	VVYQLTLTLWKLMLCFYY ADAQLEVLK			Carbamidomethyl (C)[14], Oxidation (M)[13]		Mascot
3337.7615	3337.6836	-0.0779	-23	41	67	VVYQLTLTLWKLMLCFYY			Carbamidomethyl (C)[14], Oxidation (M)[13]		Mascot

3338.93433338.6643-0.27-81140171ADAQLEVLK
VASMLGGALVALGIQEHR
PALNLLPLLLSSLR

novel protein [Danio rerio]

gi|16915427485664.75.9412310

Oxidation (M)[4]

Mascot

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.3879	864.4921	0.1042	121	693	699	MEEATQR					Mascot
1009.5789	1009.4827	-0.0962	-95	536	543	HKLDQLQK					Mascot
1024.5533	1024.5189	-0.0344	-34	72	79	DEKVQLHR					Mascot
1024.5533	1024.5189	-0.0344	-34	72	79	DEKVQLHR					Mascot
1165.5881	1165.7134	0.1253	107	1	10	MLESSVNKK			Oxidation (M)[1]		Mascot
1308.61	1308.6438	0.0338	26	155	165	ALQTETCTQEK			Carbamidomethyl (C)[7]		Mascot
1613.8857	1613.6996	-0.1861	-115	242	254	ESLLEELDIRQLR					Mascot
1829.848	1829.8514	0.0034	2	425	439	YDFEEDPTIEPSLK					Mascot
1890.9412	1890.912	-0.0292	-15	12	27	CIPSSLTQLCKQLEDR			Carbamidomethyl (C)[1]		Mascot
2225.1018	2225.0593	-0.0425	-19	641	659	DHLQEAIAAWEQATCLIQK			Carbamidomethyl (C)[15]		Mascot
2225.1018	2225.0593	-0.0425	-19	641	659	DHLQEAIAAWEQATCLIQK			Carbamidomethyl (C)[15]		Mascot
2233.1758	2233.0366	-0.1392	-62	341	360	QLRAQGDVVSVAFTPQTI MR			Oxidation (M)[19]		Mascot
2306.0327	2306.0891	0.0564	24	680	699	FFQPGFPGSSMARMEEA TQR			Oxidation (M)[11,14]		Mascot
3338.5952	3338.6643	0.0691	21	379	407	MCPVYNDLTKEIDSASV LQMDQNLEIQK			Oxidation (M)[1]		Mascot
3379.6218	3379.5144	-0.1074	-32	379	407	MCPVYNDLTKEIDSASV LQMDQNLEIQK			Carbamidomethyl (C)[2]		Mascot
3395.6167	3395.5168	-0.0999	-29	379	407	MCPVYNDLTKEIDSASV LQMDQNLEIQK			Carbamidomethyl (C)[2], Oxidation (M)[1]		Mascot

36

PREDICTED: zinc finger protein 845-like [Danio rerio]

gi|32667807876495.69.036310220

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
937.485	937.3951	-0.0899	-96	619	626	AHEKSHTK					Mascot
1024.5317	1024.5189	-0.0128	-12	629	637	LFLCIACGK			Carbamidomethyl (C)[4]		Mascot
1024.5317	1024.5189	-0.0128	-12	629	637	LFLCIACGK	22	0	Carbamidomethyl (C)[7]		Mascot
1475.7423	1475.7155	-0.0268	-18	111	122	IHTGEKPYKCSR			Carbamidomethyl (C)[10]		Mascot
1673.7991	1673.7437	-0.0554	-33	280	293	KHTNTYHSNSISER					Mascot
1829.8638	1829.8514	-0.0124	-7	281	295	HTNTYHSNSISERQR					Mascot
3338.5139	3338.6643	0.1504	45	498	525	TFNELGSLKAHEMNHTG ERPYTCTQCWK			Carbamidomethyl (C)[23]		Mascot
3395.5354	3395.5168	-0.0186	-5	498	525	TFNELGSLKAHEMNHTG			Carbamidomethyl (C)[23,26]		Mascot

37 Osbpl1a protein [Danio rerio] ERPYTCTQCWK
gi|190338207 110421.6 5.77 13 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
838.449	838.4706	0.0216	26	784	790	VCVLYGK			Carbamidomethyl (C)[2]		Mascot
864.5045	864.4921	-0.0124	-14	25	31	LLMCKIK			Oxidation (M)[3]		Mascot
937.4481	937.3951	-0.053	-57	572	579	CIGMELSK			Carbamidomethyl (C)[1]		Mascot
1024.5165	1024.5189	0.0024	2	571	579	KCIGMELSK			Oxidation (M)[5]		Mascot
1024.5165	1024.5189	0.0024	2	571	579	KCIGMELSK			Oxidation (M)[5]		Mascot
1106.5663	1106.5132	-0.0531	-48	551	560	TSLPAPMFSR					Mascot
1277.6525	1277.6705	0.018	14	695	705	FWGKSVEAEPK					Mascot
1308.6735	1308.6438	-0.0297	-23	682	692	NFVFHGSYYPK					Mascot
1451.6794	1451.7184	0.039	27	129	140	SMLEATERTEER					Mascot
1467.6744	1467.7169	0.0425	29	129	140	SMLEATERTEER			Oxidation (M)[2]		Mascot
1671.8127	1671.72	-0.0927	-55	282	295	QGCKPLTQAHCMIK			Carbamidomethyl (C)[3,11]		Mascot
1671.8127	1671.72	-0.0927	-55	282	295	QGCKPLTQAHCMIK			Carbamidomethyl (C)[3,11]		Mascot
1687.8076	1687.7537	-0.0539	-32	282	295	QGCKPLTQAHCMIK			Carbamidomethyl (C)[3,11], Oxidation (M)[12]		Mascot
1829.9183	1829.8514	-0.0669	-37	282	297	QGCKPLTQAHCMIKAK			Carbamidomethyl (C)[3], Oxidation (M)[12]		Mascot
1993.9808	1993.9214	-0.0594	-30	755	771	CCLNFKPCGLFGKELHK			Carbamidomethyl (C)[1]		Mascot
2211.0664	2211.0466	-0.0198	-9	44	62	SKSNHGWTPHLACYFG HR					Mascot
2306.0752	2306.0891	0.0139	6	889	908	LRPDIRAMENGIDIMASE EK			Oxidation (M)[8]		Mascot

38 novel protein similar to vertebrate nischarin (NISCH) [Danio rerio] gi|220673046 27908.3 4.83 6 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.3974	850.521	0.1236	145	46	52	CIDESVK			Carbamidomethyl (C)[1]		Mascot
1045.5775	1045.5383	-0.0392	-37	191	199	ELDTVEVLK					Mascot
1179.6554	1179.5714	-0.084	-71	142	151	HIGLLPCLEK			Carbamidomethyl (C)[7]		Mascot
1613.8138	1613.6996	-0.1142	-71	33	45	MLTTLDMSRNYIR					Mascot
2033.0306	2033.0118	-0.0188	-9	152	168	LNLANNPMCIIPDYRTK			Carbamidomethyl (C)[9]		Mascot
3379.5918	3379.5144	-0.0774	-23	218	253	VSDVPGQAAGGPQSSSS SLVVPSSSSPSLSRSTC S					Mascot

39 glial fibrillary acidic protein [Danio rerio] gi|239596173 19203.6 4.89 6 30 0

Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank Result Type
	932.4683	932.478	0.0097	10	122	129 LLEGEESR				Mascot
	1106.5259	1106.5132	-0.0127	-11	62	69 QLREMEER			Oxidation (M)[5]	Mascot
	1277.71	1277.6705	-0.0395	-31	110	120 LALDIEIATYR				Mascot
	1308.6543	1308.6438	-0.0105	-8	12	23 SKFADLTDAANR				Mascot
	1475.7522	1475.7155	-0.0367	-25	41	53 QIQGLTCDLESLR				Mascot
	1687.738	1687.7537	0.0157	9	1	13 SNMQETEEWYRSK				Mascot
40	PREDICTED: OTU domain-containing protein 7A-like [Danio rerio]				gi 326680401	116078.3	6.69	12	30	0

Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank Result Type
	937.4771	937.3951	-0.082	-87	1	9 MLISGLSTGR			Oxidation (M)[1]	Mascot
	1277.6882	1277.6705	-0.0177	-14	1	12 MLISGLSTGREVK				Mascot
	1308.7423	1308.6438	-0.0985	-75	483	494 LLALHFAVDPGR				Mascot
	1467.8099	1467.7169	-0.093	-63	619	633 NMGGGLGGLVHGKISK				Mascot
	1475.6116	1475.7155	0.1039	70	274	285 LNWWSTMCTSCK			Oxidation (M)[7]	Mascot
	1613.8492	1613.6996	-0.1496	-93	123	138 STGAEPGLARDLLEGK				Mascot
	1671.87	1671.72	-0.15	-90	354	367 EWNELLKLASSEPR	2		0	Mascot
	1671.87	1671.72	-0.15	-90	354	367 EWNELLKLASSEPR				Mascot
	1705.7131	1705.7832	0.0701	41	991	1004 GQSGVCPMYCFQQK			Carbamidomethyl (C)[6,10], Oxidation (M)[8]	Mascot
	1993.9938	1993.9214	-0.0724	-36	466	482 DQQREQAVIPLTDEHK				Mascot
	2284.2407	2284.1128	-0.1279	-56	777	796 KPQTNGVALKKPEQESV FQR				Mascot
	2346.1653	2346.0894	-0.0759	-32	205	227 GISHASSAIMSLARLQVS GDCAR			Oxidation (M)[10]	Mascot
	2346.1653	2346.0894	-0.0759	-32	205	227 GISHASSAIMSLARLQVS GDCAR			Oxidation (M)[10]	Mascot
	3338.4619	3338.6643	0.2024	61	258	285 DLIEQSTMMALEQAGRL NWWSTMCTSCK			Carbamidomethyl (C)[24], Oxidation (M)[8,9,23]	Mascot
	3379.4883	3379.5144	0.0261	8	258	285 DLIEQSTMMALEQAGRL NWWSTMCTSCK			Carbamidomethyl (C)[24,27], Oxidation (M)[8,9]	Mascot
	3395.4834	3395.5168	0.0334	10	258	285 DLIEQSTMMALEQAGRL NWWSTMCTSCK			Carbamidomethyl (C)[24,27], Oxidation (M)[8,9,23]	Mascot
41	novel protein similar to vertebrate caldesmon 1 (CALD1) [Danio rerio]				gi 22204206	28023.8	8.73	7	30	0

Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank Result Type

	824.4512	824.4124	-0.0388	-47	72	78	KYSVAEK										Mascot
	824.4512	824.4124	-0.0388	-47	72	78	KYSVAEK										Mascot
	842.4559	842.4877	0.0318	38	32	37	WSKFFK										Mascot
	932.4683	932.478	0.0097	10	174	182	AKGGVEEDK										Mascot
	974.4537	974.3779	-0.0758	-78	138	147	QAEGANDAAK										Mascot
	996.4666	996.5695	0.1029	103	206	214	SDSDVKAMK						Oxidation (M)[8]				Mascot
	996.4666	996.5695	0.1029	103	206	214	SDSDVKAMK						Oxidation (M)[8]				Mascot
	1467.7074	1467.7169	0.0095	6	215	226	KQAENLTTEYDR										Mascot
	2233.1909	2233.0366	-0.1543	-69	79	97	VDLSNNPVAIEHIHMKLF R										Mascot
42	SH3 domain-binding protein 4-A [Danio rerio]						gi 45387913	104947.5	7.73	12	30	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5822	842.4877	-0.0945	-112	634	640	LIKT VIR					Mascot
850.4338	850.521	0.0872	103	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.5197	0.0471	54	1	7	MAHRIR			Oxidation (M)[1]		Mascot
974.5087	974.3779	-0.1308	-134	804	812	IDCQGLVAR					Mascot
1045.4796	1045.5383	0.0587	56	762	770	AELDSEPER					Mascot
1671.806	1671.72	-0.086	-51	432	445	HVSFSSNVWNH MVK					Mascot
1671.806	1671.72	-0.086	-51	432	445	HVSFSSNVWNH MVK					Mascot
1673.8601	1673.7437	-0.1164	-70	365	378	SFITLEMKVSV MTR			Oxidation (M)[7,12]		Mascot
1687.8009	1687.7537	-0.0472	-28	432	445	HVSFSSNVWNH MVK			Oxidation (M)[12]		Mascot
1881.8503	1881.9406	0.0903	48	379	394	TESPMAEIVCVRSDCK			Carbamidomethyl (C)[10,15]		Mascot
1977.033	1977.0013	-0.0317	-16	796	812	ELMMALLKIDCQGLVAR			Carbamidomethyl (C)[11], Oxidation (M)[3]		Mascot
2284.2368	2284.1128	-0.124	-54	463	484	TVVAIFGHDCAPK TLLVS EVGK					Mascot
3337.6052	3337.6836	0.0784	23	269	298	LARSCHDLESLGQNPGW GQTQPVETNIVCK			Carbamidomethyl (C)[5]		Mascot
3337.6052	3337.6836	0.0784	23	269	298	LARSCHDLESLGQNPGW GQTQPVETNIVCK			Carbamidomethyl (C)[5]		Mascot
3338.5496	3338.6643	0.1147	34	856	884	TGMVDSEAMWKPAYDFL LTWAAQIGDSYR			Oxidation (M)[3]		Mascot

43 PREDICTED: serine/threonine-protein kinase ATR [Danio rerio] gi|292610566 298997.8 7.68 22 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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838.4053	838.4706	0.0653	78	1767	1773	SDLNAYR							Mascot
882.5407	882.543	0.0023	3	1304	1311	IHALTSLK							Mascot
932.5121	932.478	-0.0341	-37	2547	2554	EPLMSVLK				Oxidation (M)[4]			Mascot
996.6199	996.5695	-0.0504	-51	1898	1906	AKEPVLALR							Mascot
996.6199	996.5695	-0.0504	-51	1898	1906	AKEPVLALR							Mascot
1024.5132	1024.5189	0.0057	6	1029	1036	EMLINNFK				Oxidation (M)[2]			Mascot
1024.5132	1024.5189	0.0057	6	1029	1036	EMLINNFK				Oxidation (M)[2]			Mascot
1179.6337	1179.5714	-0.0623	-53	1177	1186	MMTTLRTGLR							Mascot
1277.6656	1277.6705	0.0049	4	1550	1560	EVTEEIMAVLK				Oxidation (M)[7]			Mascot
1451.6981	1451.7184	0.0203	14	1281	1293	STDMQAALQLSMR							Mascot
1464.7535	1464.7493	-0.0042	-3	2431	2441	HPPVFHEWFLR							Mascot
1467.6931	1467.7169	0.0238	16	1281	1293	STDMQAALQLSMR				Oxidation (M)[4]			Mascot
1475.6327	1475.7155	0.0828	56	113	125	IAACPECEDLHMK				Oxidation (M)[12]			Mascot
1580.8287	1580.7137	-0.115	-73	2337	2349	LMEFNCLINKSLR							Mascot
1613.7152	1613.6996	-0.0156	-10	1783	1795	WDLVEDYLASDCK				Carbamidomethyl (C)[12]			Mascot
1655.7703	1655.7225	-0.0478	-29	2334	2346	DCRLMEFNCLINK				Carbamidomethyl (C)[2]			Mascot
1655.7703	1655.7225	-0.0478	-29	2334	2346	DCRLMEFNCLINK				Carbamidomethyl (C)[2]			Mascot
1671.7651	1671.72	-0.0451	-27	2334	2346	DCRLMEFNCLINK				Carbamidomethyl (C)[2], Oxidation (M)[5]			Mascot
1671.9216	1671.72	-0.2016	-121	2063	2076	QGNLIRYIVTYFGK							Mascot
1687.8835	1687.7537	-0.1298	-77	1232	1245	ETAVIMHYLIVENR							Mascot
1829.8883	1829.8514	-0.0369	-20	1355	1371	LLCGECLGELGAIDPGR				Carbamidomethyl (C)[3,6]			Mascot
1912.8932	1912.9221	0.0289	15	77	93	SSSLMFINPACLSDFK				Oxidation (M)[5]			Mascot
1994.0011	1993.9214	-0.0797	-40	902	920	SNPVSVAAYTEIQALATC R							Mascot
2155.1467	2154.9653	-0.1814	-84	1129	1148	LLGILAFFNMQLLSSSAG EK				Oxidation (M)[10]			Mascot
2174.0029	2174.0359	0.033	15	410	430	TDIAIAMQDVQASVSDP ADPR				Oxidation (M)[7]			Mascot
2297.166	2297.1318	-0.0342	-15	569	589	ILDAVLYLSNNLFAANSES DK							Mascot
2306.1267	2306.0891	-0.0376	-16	466	484	SEVWAAVDCRLEELLTQ MR				Carbamidomethyl (C)[9]			Mascot

44 serine/threonine-protein kinase PINK1, mitochondrial [Danio rerio] gi|56693328 63706.2 9.44 9 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1062.5916	1062.6652	0.0736	69	475	483	NPHKRPSAR					Mascot
1655.8904	1655.7225	-0.1679	-101	126	139	KFQSLPKPFTSGYR					Mascot
1655.8904	1655.7225	-0.1679	-101	126	139	KFQSLPKPFTSGYR					Mascot

	1705.807	1705.7832	-0.0238	-14	223	237	SMSMELVPSCPQALR		Carbamidomethyl (C)[10]	Mascot
	1852.9663	1852.8947	-0.0716	-39	239	255	EQGELTLNGHFGAVPKR			Mascot
	1852.9663	1852.8947	-0.0716	-39	239	255	EQGELTLNGHFGAVPKR			Mascot
	1913.0425	1912.9221	-0.1204	-63	291	307	LNPHGLGSNRTLFLVMK		Oxidation (M)[16]	Mascot
	2174.1096	2174.0359	-0.0737	-34	325	343	TQASLMFLQLLEGVDHLC R			Mascot
	2264.1418	2264.0298	-0.112	-49	281	300	EEYPDVLPTRLNPHGLG SNR			Mascot
	2346.2056	2346.0894	-0.1162	-50	324	343	RTQASLMFLQLLEGVDHL CR		Oxidation (M)[7]	Mascot
	2346.2056	2346.0894	-0.1162	-50	324	343	RTQASLMFLQLLEGVDHL CR		Oxidation (M)[7]	Mascot
	3338.5823	3338.6643	0.082	25	207	237	MMWNIGAGSSSDAILRS MSMELVPSCPQALR			Mascot
	3395.6038	3395.5168	-0.087	-26	207	237	MMWNIGAGSSSDAILRS MSMELVPSCPQALR		Carbamidomethyl (C)[26]	Mascot
45	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor [Danio rerio]				gi 18859261	57519.1	5.84	9	30	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4825	864.4921	0.0096	11	441	448	FIDIASAK					Mascot
870.4211	870.5197	0.0986	113	314	320	TCFCLVK			Carbamidomethyl (C)[2]		Mascot
937.4665	937.3951	-0.0714	-76	75	81	SYLTYK					Mascot
1062.5725	1062.6652	0.0927	87	2	10	TIIMESGRR					Mascot
1890.9304	1890.912	-0.0184	-10	153	168	ADKLESLQEEVHEAHR					Mascot
1976.88	1977.0013	0.1213	61	321	337	MKSAAEAVDICSEAHQR			Carbamidomethyl (C)[11], Oxidation (M)[1]		Mascot
2233.1108	2233.0366	-0.0742	-33	230	248	LSQLHYSLGEHDSLNLQ VR					Mascot
2363.1724	2363.0955	-0.0769	-33	273	292	QLDSAEELISEQRFQEI EK					Mascot
2367.1938	2367.1724	-0.0214	-9	52	74	LLAAGQLAEALSHYHSAV EGDSK					Mascot

46 protocadherin cluster 1 gamma 22 [Danio rerio] gi|50881530 103336.5 5.04 2 30 0 30 73.28

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1024.5496	1024.5189	-0.0307	-30	1	8	MESLIFLR			Oxidation (M)[1]		Mascot
1024.5496	1024.5189	-0.0307	-30	1	8	MESLIFLR	30	73.28	Oxidation (M)[1]		Mascot
3337.6489	3337.6836	0.0347	10	86	114	IDREDVCGYNVPCVLPLQ AVLENPLQMHR			Oxidation (M)[27]		Mascot
3337.6489	3337.6836	0.0347	10	86	114	IDREDVCGYNVPCVLPLQ AVLENPLQMHR			Oxidation (M)[27]		Mascot

47 protocadherin 1 gamma 22 [Danio rerio] gi|57526794 103299.5 5.11 3 30 0 30 73.28

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
	1024.5496	1024.5189	-0.0307	-30	1	8	MESLIFLR			Oxidation (M)[1]	Mascot
	1024.5496	1024.5189	-0.0307	-30	1	8	MESLIFLR	30	73.28	Oxidation (M)[1]	Mascot
	2174.0037	2174.0359	0.0322	15	261	279	ATDLDQQLNGEIEYFFAD R				Mascot
	3337.6489	3337.6836	0.0347	10	86	114	IDREDVCGYNVPCVLPLQ AVLENPLQMHR			Oxidation (M)[27]	Mascot
	3337.6489	3337.6836	0.0347	10	86	114	IDREDVCGYNVPCVLPLQ AVLENPLQMHR			Oxidation (M)[27]	Mascot
48	PREDICTED: putative uncharacterized zinc finger protein 814-like [Danio rerio]				gi 292610426		61962.5	9.03	13	30	0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.5472	996.5695	0.0223	22	350	358	IHTGEKPSK					Mascot
996.5472	996.5695	0.0223	22	350	358	IHTGEKPSK					Mascot
1009.4805	1009.4827	0.0022	2	243	252	SALTCVQCGK					Mascot
1045.5789	1045.5383	-0.0406	-39	365	373	SFTHKGQLK					Mascot
1308.5712	1308.6438	0.0726	55	359	369	CPECEKSFTHK					Mascot
1671.7729	1671.72	-0.0529	-32	266	280	IHTGEKPFSCSCHQCGK					Mascot
1671.7729	1671.72	-0.0529	-32	266	280	IHTGEKPFSCSCHQCGK					Mascot
1673.8138	1673.7437	-0.0701	-42	378	392	IHSGEKPYACPLCAK			Carbamidomethyl (C)[10]		Mascot
2174.0303	2174.0359	0.0056	3	458	476	MHLIIHSGERPFSCDKC GK			Oxidation (M)[1]		Mascot
2225.0703	2225.0593	-0.011	-5	206	224	IHTRIHTGEKPYTCSHCG K			Carbamidomethyl (C)[14]		Mascot
2225.1106	2225.0593	-0.0513	-23	178	196	HHVKIHYAGKPFTCELCG K			Carbamidomethyl (C)[14]		Mascot
2297.0483	2297.1318	0.0835	36	262	280	SHMRIHTGEKPFSCSCHQC GK			Carbamidomethyl (C)[14,17]		Mascot
2299.0781	2299.1208	0.0427	19	98	117	IHTGERPYACIQCGKSFT CK			Carbamidomethyl (C)[10]		Mascot
2306.0264	2306.0891	0.0627	27	150	168	YHMLRLHTEDGPFICGQC GK			Carbamidomethyl (C)[14,17]		Mascot
2346.1118	2346.0894	-0.0224	-10	322	341	SHTGEKPFICPQCGKSFT HK			Carbamidomethyl (C)[10,13]		Mascot
2346.1118	2346.0894	-0.0224	-10	322	341	SHTGEKPFICPQCGKSFT HK			Carbamidomethyl (C)[10,13]		Mascot
49	novel zinc finger protein [Danio rerio]			gi 130496620		52184.8	6.71	11	30	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type

856.4523	856.505	0.0527	62	112	118	DSEKHLK						Mascot
974.491	974.3779	-0.1131	-116	104	111	QPVCLVCR				Carbamidomethyl (C)[4]		Mascot
996.4818	996.5695	0.0877	88	67	74	NVCESFLK				Carbamidomethyl (C)[3]		Mascot
996.4818	996.5695	0.0877	88	67	74	NVCESFLK				Carbamidomethyl (C)[3]		Mascot
1045.5887	1045.5383	-0.0504	-48	132	140	KEELNTALK						Mascot
1106.4718	1106.5132	0.0414	37	43	51	NTQECPVCR				Carbamidomethyl (C)[5]		Mascot
1165.6285	1165.7134	0.0849	73	95	103	LKLFCLDK				Carbamidomethyl (C)[5]		Mascot
1421.6915	1421.7091	0.0176	12	20	32	TPVLLSCSHSFCK						Mascot
1475.7714	1475.7155	-0.0559	-38	355	367	RWSLGVTTASNQR						Mascot
1580.8907	1580.7137	-0.177	-112	119	132	HTFRPISEVAPAKK						Mascot
1912.9287	1912.9221	-0.0066	-3	401	417	VLDYDRGTVSFSDPVK						Mascot
2283.1345	2283.1182	-0.0163	-7	420	437	HLHTYTTTFTHTLYPFFR						Mascot
2283.1345	2283.1182	-0.0163	-7	420	437	HLHTYTTTFTHTLYPFFR						Mascot
50	muskelin [Danio rerio]			gi 47086651			84322.2	5.91	10	29	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.521	0.0429	50	333	339	QIYTLGR					Mascot
932.5134	932.478	-0.0354	-38	628	634	HCKYLIR					Mascot
1024.4663	1024.5189	0.0526	51	325	332	MCIDSQRR			Oxidation (M)[1]		Mascot
1024.4663	1024.5189	0.0526	51	325	332	MCIDSQRR	5	0	Oxidation (M)[1]		Mascot
1106.5048	1106.5132	0.0084	8	301	309	ENQWACISR					Mascot
1421.6083	1421.7091	0.1008	71	321	331	SCHKMCIDSQR			Carbamidomethyl (C)[2,6]		Mascot
1655.6863	1655.7225	0.0362	22	380	392	LVFDHQMCMDEK			Carbamidomethyl (C)[8], Oxidation (M)[7]		Mascot
1655.6863	1655.7225	0.0362	22	380	392	LVFDHQMCMDEK			Carbamidomethyl (C)[8], Oxidation (M)[7]		Mascot
1671.6812	1671.72	0.0388	23	380	392	LVFDHQMCMDEK			Carbamidomethyl (C)[8], Oxidation (M)[7,9]		Mascot
1671.6812	1671.72	0.0388	23	380	392	LVFDHQMCMDEK			Carbamidomethyl (C)[8], Oxidation (M)[7,9]		Mascot
2225.0947	2225.0593	-0.0354	-16	702	720	TQLFDTLVNFFPDNMTTPK					Mascot
2225.0947	2225.0593	-0.0354	-16	702	720	TQLFDTLVNFFPDNMTTPK					Mascot
2233.0408	2233.0366	-0.0042	-2	682	701	SSSDFIPLGFSDVDQTYAQR					Mascot
2298.1626	2298.123	-0.0396	-17	226	244	AVRDGLFNQYISQQDYKPR					Mascot
2750.2468	2750.2644	0.0176	6	474	497	TYLNDFFSYDVGDDHVEIISDGTK					Mascot

Gel Idx/Pos	213/113	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Isocitrate dehydrogenase 3 (NAD+) alpha [Danio rerio]	gi 29124437	39960.3	7.04	19	934	100	797	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.473	842.4904	0.0174	21	192	199	TSVTAVHK					Mascot
918.489	918.4677	-0.0213	-23	169	176	LITEEASR					Mascot
938.4764	938.4544	-0.022	-23	205	212	MSDGLFLR					Mascot
954.4713	954.4503	-0.021	-22	205	212	MSDGLFLR			Oxidation (M)[1]		Mascot
971.5018	971.4745	-0.0273	-28	77	84	WMIPPEAK					Mascot
987.4941	987.4707	-0.0234	-24	316	324	HMGLHGHAK					Mascot
1003.489	1003.4652	-0.0238	-24	316	324	HMGLHGHAK			Oxidation (M)[2]		Mascot
1058.5265	1058.5023	-0.0242	-23	58	65	TPIQWEER	59	99.964			Mascot
1058.5265	1058.5023	-0.0242	-23	58	65	TPIQWEER					Mascot
1074.5902	1074.5266	-0.0636	-59	169	177	LITEEASRR					Mascot
1225.5881	1225.5591	-0.029	-24	326	335	IETACFDTIR			Carbamidomethyl (C)[5]		Mascot
1232.5946	1232.5684	-0.0262	-21	178	187	IAEYAFEYAR	79	100			Mascot
1232.5946	1232.5684	-0.0262	-21	178	187	IAEYAFEYAR					Mascot
1258.519	1258.4901	-0.0289	-23	350	359	CSEFTADICR	75	100	Carbamidomethyl (C)[1,9]		Mascot
1258.519	1258.4901	-0.0289	-23	350	359	CSEFTADICR			Carbamidomethyl (C)[1,9]		Mascot
1353.6831	1353.6532	-0.0299	-22	325	335	KIETACFDTIR			Carbamidomethyl (C)[6]		Mascot
1353.6831	1353.6532	-0.0299	-22	325	335	KIETACFDTIR	75	100	Carbamidomethyl (C)[6]		Mascot
1388.6957	1388.6646	-0.0311	-22	177	187	RIAEYAFEYAR					Mascot
1392.7369	1392.7058	-0.0311	-22	134	145	TPYTDVDLVTIR					Mascot
1392.7369	1392.7058	-0.0311	-22	134	145	TPYTDVDLVTIR	83	100			Mascot
1414.6201	1414.6608	0.0407	29	350	360	CSEFTADICRR			Carbamidomethyl (C)[1,9]		Mascot
1590.8784	1590.8403	-0.0381	-24	100	114	TPIAAGHPSMNLLLR					Mascot
1590.8784	1590.8403	-0.0381	-24	100	114	TPIAAGHPSMNLLLR	104	100			Mascot
1606.8734	1606.8353	-0.0381	-24	100	114	TPIAAGHPSMNLLLR			Oxidation (M)[10]		Mascot
1606.8734	1606.8353	-0.0381	-24	100	114	TPIAAGHPSMNLLLR	34	87.975	Oxidation (M)[10]		Mascot
1862.9537	1862.9124	-0.0413	-22	299	315	DMANPTALLLSAVMMLR			Oxidation (M)[2]		Mascot
1878.9486	1878.9071	-0.0415	-22	299	315	DMANPTALLLSAVMMLR			Oxidation (M)[2,14]		Mascot

	1894.9435	1894.9021	-0.0414	-22	299	315	DMANPTALLLSAVMMLR				Oxidation (M)[2,14,15]	Mascot	
	2132.0481	2131.9983	-0.0498	-23	116	133	TFDLYANVRPCVSIEGYK				Carbamidomethyl (C)[11]	Mascot	
	2132.0481	2131.9983	-0.0498	-23	116	133	TFDLYANVRPCVSIEGYK	104	100		Carbamidomethyl (C)[11]	Mascot	
	2260.1431	2260.0886	-0.0545	-24	115	133	KTFDLYANVRPCVSIEGYK				Carbamidomethyl (C)[12]	Mascot	
	2260.1431	2260.0886	-0.0545	-24	115	133	KTFDLYANVRPCVSIEGYK	61	99.977		Carbamidomethyl (C)[12]	Mascot	
	2502.2358	2502.1831	-0.0527	-21	146	168	ENTEGEYSGIEHVIVDGVVQSIK					Mascot	
	2502.2358	2502.1831	-0.0527	-21	146	168	ENTEGEYSGIEHVIVDGVVQSIK	158	100			Mascot	
2	ldh3a protein [Danio rerio]				gi 157423273		16736.4	6.89	6	189	100	150	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
987.4941	987.4707	-0.0234	-24	108	116	HMGLHGHAK						Mascot
1003.489	1003.4652	-0.0238	-24	108	116	HMGLHGHAK				Oxidation (M)[2]		Mascot
1225.5881	1225.5591	-0.029	-24	118	127	IETACFDTIR				Carbamidomethyl (C)[5]		Mascot
1258.519	1258.4901	-0.0289	-23	142	151	CSEFTADICR	75	100		Carbamidomethyl (C)[1,9]		Mascot
1258.519	1258.4901	-0.0289	-23	142	151	CSEFTADICR				Carbamidomethyl (C)[1,9]		Mascot
1353.6831	1353.6532	-0.0299	-22	117	127	KIETACFDTIR				Carbamidomethyl (C)[6]		Mascot
1353.6831	1353.6532	-0.0299	-22	117	127	KIETACFDTIR	75	100		Carbamidomethyl (C)[6]		Mascot
1414.6201	1414.6608	0.0407	29	142	152	CSEFTADICRR				Carbamidomethyl (C)[1,9]		Mascot
1862.9537	1862.9124	-0.0413	-22	91	107	DMANPTALLLSAVMMLR				Oxidation (M)[2]		Mascot
1878.9486	1878.9071	-0.0415	-22	91	107	DMANPTALLLSAVMMLR				Oxidation (M)[2,14]		Mascot
1894.9435	1894.9021	-0.0414	-22	91	107	DMANPTALLLSAVMMLR				Oxidation (M)[2,14,15]		Mascot

3 synaptosome-associated protein 25.2 [Danio rerio] gi|3703102 6195.9 4.15 5 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
954.3655	954.4503	0.0848	89	1	8	MADESDMR						Mascot
1090.4946	1090.499	0.0044	4	9	17	NELNDMQAR						Mascot
1106.4895	1106.5083	0.0188	17	9	17	NELNDMQAR				Oxidation (M)[6]		Mascot
1232.6667	1232.5684	-0.0983	-80	31	40	RMLQLVEESK						Mascot
1232.6667	1232.5684	-0.0983	-80	31	40	RMLQLVEESK						Mascot
1590.7792	1590.8403	0.0611	38	41	55	DAGIRTLVMLDEQGG				Oxidation (M)[9]		Mascot
1590.7792	1590.8403	0.0611	38	41	55	DAGIRTLVMLDEQGG				Oxidation (M)[9]		Mascot
1894.8019	1894.9021	0.1002	53	2	17	ADESDMRNELNDMQAR						Mascot

	1910.7968	1910.8948	0.098	51	2	17	ADESDMRNELNDMQAR						Oxidation (M)[6]		Mascot
4	Insulin-like growth factor 1a receptor [Danio rerio]					gi 190337438	158388.2	5.86	16	43	0	13	0		
Peptide Information															
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type	
	856.525	856.5056	-0.0194	-23	840	847	GEGIVLLR							Mascot	
	1058.5088	1058.5023	-0.0065	-6	809	818	CSAAAFVFSR							Mascot	
	1058.5088	1058.5023	-0.0065	-6	809	818	CSAAAFVFSR							Mascot	
	1106.4507	1106.5083	0.0576	52	211	219	CWTSNHCQK							Mascot	
	1225.5228	1225.5591	0.0363	30	266	276	CVEACPPDTYK							Mascot	
	1257.6144	1257.4602	-0.1542	-123	615	626	AYANSSSSLMVK							Mascot	
	1346.637	1346.6195	-0.0175	-13	602	614	TNASAPSMPLDAR				Oxidation (M)[8]			Mascot	
	1353.6653	1353.6532	-0.0121	-9	449	459	FNPKLCMSEIR				Oxidation (M)[7]			Mascot	
	1353.6653	1353.6532	-0.0121	-9	449	459	FNPKLCMSEIR	13	0		Oxidation (M)[7]			Mascot	
	1414.78	1414.6608	-0.1192	-84	589	601	HVGGAKSEVVYIR							Mascot	
	1590.6974	1590.8403	0.1429	90	211	223	CWTSNHCQKVCPCPK				Carbamidomethyl (C)[1]			Mascot	
	1590.6974	1590.8403	0.1429	90	211	223	CWTSNHCQKVCPCPK				Carbamidomethyl (C)[1]			Mascot	
	1862.7804	1862.9124	0.132	71	277	290	FEGWRCITMEMCAR				Carbamidomethyl (C)[6,12], Oxidation (M)[9]			Mascot	
	1878.7754	1878.9071	0.1317	70	277	290	FEGWRCITMEMCAR				Carbamidomethyl (C)[6,12], Oxidation (M)[9,11]			Mascot	
	1911.007	1910.8948	-0.1122	-59	754	770	NISVLESNITQPELPEK							Mascot	
	2040.9551	2040.9895	0.0344	17	1110	1128	MIQMAGEIADGMAYLNA NK							Mascot	
	2169.05	2169.0811	0.0311	14	1109	1128	KMIQMAGEIADGMAYLN ANK							Mascot	
	2174.1929	2174.0476	-0.1453	-67	78	95	TLSFPKLTMVTDYILLFR				Oxidation (M)[9]			Mascot	
	2283.9724	2284.1179	0.1455	64	644	661	WQQQAEDGELYQHNYC SK				Carbamidomethyl (C)[16]			Mascot	
	2454.9702	2455.2585	0.2883	117	317	338	NETQSMFCSACDGLCDK VCESK				Carbamidomethyl (C)[8]			Mascot	
5	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2 [Danio rerio]					gi 41055967	60086.5	6.9	9	42	0	15	0		
Peptide Information															
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type	
	850.4781	850.524	0.0459	54	271	277	EFSKALR							Mascot	
	1045.5902	1045.5391	-0.0511	-49	290	297	VWTSQLRR							Mascot	
	1258.5845	1258.4901	-0.0944	-75	84	93	HDNEEAMKIR	15	0		Oxidation (M)[7]			Mascot	
	1258.5845	1258.4901	-0.0944	-75	84	93	HDNEEAMKIR				Oxidation (M)[7]			Mascot	

1388.7783	1388.6646	-0.1137	-82	278	289	GFLETQKIPDLK	Mascot
1483.7427	1483.7021	-0.0406	-27	331	342	IKEAYPDEYSLR	Mascot
1498.7173	1498.6818	-0.0355	-24	190	202	VTYQPLDPGEHDK	Mascot
1606.8184	1606.8353	0.0169	11	455	468	RNSFTPLSSQDQVK	Mascot
1606.8184	1606.8353	0.0169	11	455	468	RNSFTPLSSQDQVK	Mascot
1799.907	1799.8525	-0.0545	-30	414	429	LTPVAYGCKVDMFDLK	Mascot
2524.3162	2524.1577	-0.1585	-63	19	42	CSWASHMTNSPTVIVLV GLPARGK	Mascot

6 PREDICTED: transposon TX1 uncharacterized 149 kDa gi|326678664 127486.3 9.2 18 41 0
protein-like [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.5145	850.524	0.0095	11	117	123	GRILYTK					Mascot
996.6564	996.5746	-0.0818	-82	535	543	RAVLSLLPK					Mascot
1017.5873	1017.5486	-0.0387	-38	565	573	ILSKCLANR					Mascot
1045.5538	1045.5391	-0.0147	-14	940	947	RTADLQWR					Mascot
1058.6027	1058.5023	-0.1004	-95	526	534	EKLLPLSCR					Mascot
1058.6027	1058.5023	-0.1004	-95	526	534	EKLLPLSCR					Mascot
1074.6088	1074.5266	-0.0822	-76	565	573	ILSKCLANR			Carbamidomethyl (C)[5]		Mascot
1090.6506	1090.499	-0.1516	-139	931	939	TLYKLPVEK					Mascot
1262.7355	1262.6448	-0.0907	-72	1086	1096	FVTKLLAEDVK					Mascot
1307.7391	1307.6471	-0.092	-70	979	990	VCLLNILLGTAK					Mascot
1353.6719	1353.6532	-0.0187	-14	443	453	TLYSKEPCDIK			Carbamidomethyl (C)[8]		Mascot
1353.6719	1353.6532	-0.0187	-14	443	453	TLYSKEPCDIK			Carbamidomethyl (C)[8]		Mascot
1483.7434	1483.7021	-0.0413	-28	222	234	VTDNMVHGARLDR					Mascot
1606.8409	1606.8353	-0.0056	-3	552	564	NWRPVSLCLDYK					Mascot
1606.8409	1606.8353	-0.0056	-3	552	564	NWRPVSLCLDYK					Mascot
1799.7609	1799.8525	0.0916	51	999	1014	NKGMGLMATDPECSEK			Carbamidomethyl (C)[13], Oxidation (M)[4,7]		Mascot
1814.9105	1814.8976	-0.0129	-7	323	337	VFCQNYTLNSSLQIK			Carbamidomethyl (C)[3]		Mascot
2041.0457	2040.9895	-0.0562	-28	847	863	CIVLDPPEDIICEIQRK			Carbamidomethyl (C)[1]		Mascot
2240.1855	2240.1404	-0.0451	-20	877	897	ASVIFLPVCEGGHGLVDV KSR			Carbamidomethyl (C)[9]		Mascot
2260.208	2260.0886	-0.1194	-53	681	700	QGCPKSGQLYSLMIEPLL LK			Carbamidomethyl (C)[3]		Mascot
2260.208	2260.0886	-0.1194	-53	681	700	QGCPKSGQLYSLMIEPLL LK			Carbamidomethyl (C)[3]		Mascot
2283.1914	2283.1155	-0.0759	-33	319	337	AQIRVFCQNYTLNSSLQI K			Carbamidomethyl (C)[7]		Mascot
2299.041	2299.1304	0.0894	39	390	408	FCSIKDMDAPSSYFFNLE K			Carbamidomethyl (C)[2]		Mascot

7 PREDICTED: microfibrillar-associated protein 3-like isoform 3 [Danio rerio] gi|326669134 43576.9 5.54 9 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5345	842.4904	-0.0441	-52	214	221	IPITS AK					Mascot
954.392	954.4503	0.0583	61	1	7	MTSHCYR			Carbamidomethyl (C)[5]		Mascot
1003.5417	1003.4652	-0.0765	-76	198	206	TEGA EK LQK					Mascot
1106.5155	1106.5083	-0.0072	-7	178	186	LCMMSSHLK			Carbamidomethyl (C)[2]		Mascot
1254.6477	1254.5487	-0.099	-79	188	197	TEKAI NEFFR					Mascot
1262.6222	1262.6448	0.0226	18	377	388	EESVQEGGATKK					Mascot
1353.7382	1353.6532	-0.085	-63	246	257	SIPLPLIMNCR					Mascot
1353.7382	1353.6532	-0.085	-63	246	257	SIPLPLIMNCR					Mascot
1910.9238	1910.8948	-0.029	-15	258	273	TFMEEILEVVGVEEMR					Mascot
2240.0547	2240.1404	0.0857	38	127	147	GKYTCVASNSHGTANCT VTLR			Carbamidomethyl (C)[5]		Mascot

8 hypermethylated in cancer 1 protein [Danio rerio] gi|50540468 81385.8 6.2 13 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4553	842.4904	0.0351	42	624	630	NLISHMK					Mascot
870.458	870.5198	0.0618	71	591	596	FTRQYR					Mascot
938.4578	938.4544	-0.0034	-4	730	737	TIDRYSPS					Mascot
1225.5994	1225.5591	-0.0403	-33	2	12	LDAMEVPSHAR					Mascot
1241.5942	1241.4652	-0.129	-104	2	12	LDAMEVPSHAR			Oxidation (M)[4]		Mascot
1388.6296	1388.6646	0.035	25	1	12	MLDAMEVPSHAR			Oxidation (M)[1,5]		Mascot
1606.8013	1606.8353	0.034	21	129	141	YHLSHNPTFLSYK					Mascot
1606.8013	1606.8353	0.034	21	129	141	YHLSHNPTFLSYK					Mascot
2174.0757	2174.0476	-0.0281	-13	710	729	MDILNSSLPPTSQQLSAE SR					Mascot
2240.052	2240.1404	0.0884	39	575	593	SHLGLKPFACDACGMRF TR			Carbamidomethyl (C)[10,13], Oxidation (M)[15]		Mascot
2260.0354	2260.0886	0.0532	24	572	590	HMRSHLGLKPFACDACG MR			Carbamidomethyl (C)[13,16], Oxidation (M)[2]		Mascot
2260.0354	2260.0886	0.0532	24	572	590	HMRSHLGLKPFACDACG MR			Carbamidomethyl (C)[13,16], Oxidation (M)[2]		Mascot
2284.1113	2284.1179	0.0066	3	543	561	QHEKTHWLTRPYPCSIK GK					Mascot
2298.0964	2298.1338	0.0374	16	624	646	NLISHMKMHSSGAAGGG LTPDGK			Oxidation (M)[6,8]		Mascot
2300.2319	2300.1221	-0.1098	-48	689	709	AMESLYPLSKLAVDQLGL AHK			Oxidation (M)[2]		Mascot

	2502.1687	2502.1831	0.0144	6	597	618	LTEHMRHSGEKPYECQ VCGGK										Mascot
	2502.1687	2502.1831	0.0144	6	597	618	LTEHMRHSGEKPYECQ VCGGK										Mascot
9	protein LAP2 [Danio rerio]				gi 302129649		148528.6	5.27	17	39	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	918.4427	918.4677	0.025	27	978	984 DNLWSQR					Mascot
	938.5491	938.4544	-0.0947	-101	868	876 KCPPAPVVK					Mascot
	971.5165	971.4745	-0.042	-43	175	182 MLPKSMHK					Mascot
	987.5114	987.4707	-0.0407	-41	175	182 MLPKSMHK			Oxidation (M)[1]		Mascot
	1003.5063	1003.4652	-0.0411	-41	175	182 MLPKSMHK			Oxidation (M)[1,6]		Mascot
	1045.4731	1045.5391	0.066	63	469	476 DEREMPPR			Oxidation (M)[5]		Mascot
	1058.5914	1058.5023	-0.0891	-84	684	692 ESKMPLIPK			Oxidation (M)[4]		Mascot
	1058.5914	1058.5023	-0.0891	-84	684	692 ESKMPLIPK			Oxidation (M)[4]		Mascot
	1165.6323	1165.7192	0.0869	75	524	534 NHIGVQDVGVK					Mascot
	1254.5306	1254.5487	0.0181	14	458	468 AQVAFECDEDK					Mascot
	1258.6572	1258.4901	-0.1671	-133	179	188 SMHKLTQLER			Oxidation (M)[2]		Mascot
	1258.6572	1258.4901	-0.1671	-133	179	188 SMHKLTQLER			Oxidation (M)[2]		Mascot
	1262.7177	1262.6448	-0.0729	-58	219	230 LTFVPGMIGALK			Oxidation (M)[7]		Mascot
	1388.674	1388.6646	-0.0094	-7	1162	1172 VPADWRDQVMR			Oxidation (M)[10]		Mascot
	1483.8162	1483.7021	-0.1141	-77	1034	1046 MLPQVGQRGTQLQR					Mascot
	1498.7328	1498.6818	-0.051	-34	1182	1194 VPLMNGQMCPVVR			Carbamidomethyl (C)[9]		Mascot
	1606.6812	1606.8353	0.1541	96	1063	1075 RMPGMEGDYMTYR					Mascot
	1606.6812	1606.8353	0.1541	96	1063	1075 RMPGMEGDYMTYR					Mascot
	1814.8094	1814.8976	0.0882	49	1195	1210 SPMSCTQPPMARHPSR			Oxidation (M)[3,10]		Mascot
	1830.9708	1830.9037	-0.0671	-37	1244	1261 IEKNPELGFSISGGIGGR					Mascot
	2220.1555	2220.0903	-0.0652	-29	211	230 ELWMDGNKLTfVPGMIG ALK					Mascot
	2232.9907	2233.0327	0.042	19	1042	1062 GTLQRQSGSGSSGNPMC MPDPR			Carbamidomethyl (C)[16]		Mascot

10	PREDICTED: intermediate filament family orphan 1 [Danio rerio]				gi 326676513		70799.8	4.95	11	39	0						
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	938.5166	938.4544	-0.0622	-66	119	125 VHELERR					Mascot
	1017.5687	1017.5486	-0.0201	-20	571	579 LITQSGDRK					Mascot

1045.575	1045.5391	-0.0359	-34	570	578	RLITQSGDR		Mascot
1254.564	1254.5487	-0.0153	-12	354	363	AMKVDMDICR	Carbamidomethyl (C)[9], Oxidation (M)[2]	Mascot
1307.6195	1307.6471	0.0276	21	560	570	GLDVQMETCRR		Mascot
1590.7944	1590.8403	0.0459	29	208	222	YVSTVIGCTSNPPPR		Mascot
1590.7944	1590.8403	0.0459	29	208	222	YVSTVIGCTSNPPPR		Mascot
1799.7332	1799.8525	0.1193	66	547	559	HLHEYMEMCSMKR	Carbamidomethyl (C)[9], Oxidation (M)[6,8,11]	Mascot
2173.8591	2174.0476	0.1885	87	542	558	SDMNRHLHEYMEMCSMK	Oxidation (M)[3,11]	Mascot
2220.0964	2220.0903	-0.0061	-3	330	349	ADLVLFKGLMSNNHSDLDSK	Oxidation (M)[10]	Mascot
2239.9375	2240.1404	0.2029	91	442	459	EVELCCSSNNQINEEMQR	Carbamidomethyl (C)[5,6]	Mascot
2255.9326	2256.1699	0.2373	105	442	459	EVELCCSSNNQINEEMQR	Carbamidomethyl (C)[5,6], Oxidation (M)[16]	Mascot
2260.1125	2260.0886	-0.0239	-11	128	147	VLEKQLQQALDENAECASETK		Mascot
2260.1125	2260.0886	-0.0239	-11	128	147	VLEKQLQQALDENAECASETK		Mascot

Peptide Information

12 PREDICTED: collagen alpha-1(XXI) chain-like [Danio rerio]

Peptide Information

13 protein CYR61 [Danio rerio] gi|49227384 40620.1 8.69 8 38 0 19 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
938.4359	938.4544	0.0185	20	230	238	SCGTGISTR			Carbamidomethyl (C)[2]		Mascot
1257.4843	1257.4602	-0.0241	-19	43	53	DTCGCCLVCAR			Carbamidomethyl (C)[3,5]		Mascot
1392.6471	1392.7058	0.0587	42	310	320	CCSPQNTRTIR			Carbamidomethyl (C)[1,2]		Mascot
1392.6471	1392.7058	0.0587	42	310	320	CCSPQNTRTIR	19	0	Carbamidomethyl (C)[1,2]		Mascot
1862.9891	1862.9124	-0.0767	-41	187	202	ELTNKNELISVIMNTK			Oxidation (M)[13]		Mascot
2224.9897	2225.0667	0.077	35	211	229	SHQMEKCIVQTTGWSQC SR			Oxidation (M)[4]		Mascot
2259.9031	2260.0886	0.1855	82	43	61	DTCGCCLVCARQLNEDC SR			Carbamidomethyl (C)[3,5,6]		Mascot
2259.9031	2260.0886	0.1855	82	43	61	DTCGCCLVCARQLNEDC SR			Carbamidomethyl (C)[3,5,6]		Mascot
2502.1282	2502.1831	0.0549	22	217	238	CIVQTTGWSQCSRSCGT GISTR			Carbamidomethyl (C)[1,11,15]		Mascot
2502.1772	2502.1831	0.0059	2	346	366	HCPHASEAGFPFYRLYN DIHK					Mascot

14 insulin-like growth factor 1a receptor [Danio rerio] gi|23308649 158344.4 6 15 38 0 13 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.525	856.5056	-0.0194	-23	840	847	GEGIVLLR					Mascot
1058.5088	1058.5023	-0.0065	-6	809	818	CSAAAFVFSR					Mascot
1058.5088	1058.5023	-0.0065	-6	809	818	CSAAAFVFSR					Mascot
1106.4507	1106.5083	0.0576	52	211	219	CWTSNHCQK					Mascot
1225.5228	1225.5591	0.0363	30	266	276	CVEACPPDTYK					Mascot
1257.6144	1257.4602	-0.1542	-123	615	626	AYANSSSSLMVK					Mascot
1346.637	1346.6195	-0.0175	-13	602	614	TNASAPSMPLDAR			Oxidation (M)[8]		Mascot
1353.6653	1353.6532	-0.0121	-9	449	459	FNPKLCMSEIR			Oxidation (M)[7]		Mascot
1353.6653	1353.6532	-0.0121	-9	449	459	FNPKLCMSEIR	13	0	Oxidation (M)[7]		Mascot
1414.78	1414.6608	-0.1192	-84	589	601	HVGGAKSEVVYIR					Mascot
1590.6974	1590.8403	0.1429	90	211	223	CWTSNHCQKVCPCPK			Carbamidomethyl (C)[1]		Mascot
1590.6974	1590.8403	0.1429	90	211	223	CWTSNHCQKVCPCPK			Carbamidomethyl (C)[1]		Mascot
1862.7804	1862.9124	0.132	71	277	290	FEGWRCITMEMCAR			Carbamidomethyl (C)[6,12], Oxidation (M)[9]		Mascot
1878.7754	1878.9071	0.1317	70	277	290	FEGWRCITMEMCAR			Carbamidomethyl (C)[6,12], Oxidation (M)[9,11]		Mascot
1911.007	1910.8948	-0.1122	-59	754	770	NISVLESNITQPELPEK					Mascot
2040.9551	2040.9895	0.0344	17	1110	1128	MIQMAGEIADGMAYLNA					Mascot

	2169.05	2169.0811	0.0311	14	1109	1128	NK KMIQMAGEIADGMAYLN ANK										Mascot
	2174.1929	2174.0476	-0.1453	-67	78	95	TLSFPKLTMTVDYILLFR						Oxidation (M)[9]				Mascot
	2283.9724	2284.1179	0.1455	64	644	661	WQQQAEDGELYQHNYC SK						Carbamidomethyl (C)[16]				Mascot
15	PREDICTED: FYVE and coiled-coil domain-containing protein 1-like [Danio rerio]					gi 326665246		153549.6	5.14	19	37	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
918.4614	918.4677	0.0063	7	109	115	YCLVHQR					Mascot
1017.5363	1017.5486	0.0123	12	1034	1041	EKDALWQK					Mascot
1045.491	1045.5391	0.0481	46	646	654	TDHVESTTR					Mascot
1051.6007	1051.688	0.0873	83	724	731	RHVEELLR					Mascot
1074.5677	1074.5266	-0.0411	-38	244	252	IELDQSELK					Mascot
1232.6005	1232.5684	-0.0321	-26	1274	1284	ETTDTPLEQAK					Mascot
1232.6005	1232.5684	-0.0321	-26	1274	1284	ETTDTPLEQAK					Mascot
1254.4912	1254.5487	0.0575	46	409	418	EMEGNLMCR			Carbamidomethyl (C)[9]		Mascot
1258.5654	1258.4901	-0.0753	-60	751	761	AEIQTSMTSMK			Oxidation (M)[7,10]		Mascot
1258.5845	1258.4901	-0.0944	-75	732	741	CHEREETLGK			Carbamidomethyl (C)[1]		Mascot
1262.6157	1262.6448	0.0291	23	1	11	MSTVGENQLQR					Mascot
1498.6379	1498.6818	0.0439	29	352	364	GQQAANYCDSAWK			Carbamidomethyl (C)[8]		Mascot
1590.7679	1590.8403	0.0724	46	820	832	LQELQMEAEQEEVK			Oxidation (M)[6]		Mascot
1590.7679	1590.8403	0.0724	46	820	832	LQELQMEAEQEEVK			Oxidation (M)[6]		Mascot
1878.9458	1878.9071	-0.0387	-21	44	57	FCFKLEYLLQFDQK			Carbamidomethyl (C)[2]		Mascot
2040.9452	2040.9895	0.0443	22	1060	1076	DVTHCLSKSQFSWMLR					Mascot
2220.1084	2220.0903	-0.0181	-8	1307	1325	NPGQYTLIFDNSFSRFVS K					Mascot
2240.188	2240.1404	-0.0476	-21	253	271	QQQLQEKIQLLTDEAADL R					Mascot
2278.1594	2277.9463	-0.2131	-94	489	508	SLLEEQLNAKMNELSVST QK			Oxidation (M)[11]		Mascot
2297.917	2298.1338	0.2168	94	1078	1097	YNCRFCGRPFYSCCSF GGK					Mascot
2502.1599	2502.1831	0.0232	9	788	810	ANTETAELGVHVCMLTG QNEEAK			Carbamidomethyl (C)[13]		Mascot
2502.1599	2502.1831	0.0232	9	788	810	ANTETAELGVHVCMLTG QNEEAK			Carbamidomethyl (C)[13]		Mascot

16	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3 [Danio rerio]					gi 187608185		78286.6	8.48	12	37	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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		Seq.		Seq.		Score				
	842.5094	842.4904	-0.019	-23	436	442	EQILAR		Mascot	
	856.3947	856.5056	0.1109	129	140	146	SAFFNDR		Mascot	
	954.4904	954.4503	-0.0401	-42	638	646	RFSGGFGAR		Mascot	
	996.5182	996.5746	0.0564	57	382	390	GKIGLDYCK		Mascot	
	1051.616	1051.688	0.072	68	34	41	RYIPPLR		Mascot	
	1090.4548	1090.499	0.0442	41	48	57	NDSPGWDGSR		Mascot	
	1232.5807	1232.5684	-0.0123	-10	639	649	FSGGFGARDYR		Mascot	
	1232.5807	1232.5684	-0.0123	-10	639	649	FSGGFGARDYR		Mascot	
	1254.5453	1254.5487	0.0034	3	262	273	DLMACAQTGSGK	Carbamidomethyl (C)[5], Oxidation (M)[3]	Mascot	
	1353.625	1353.6532	0.0282	21	261	273	RDLMACAQTGSGK	Oxidation (M)[4]	Mascot	
	1353.625	1353.6532	0.0282	21	261	273	RDLMACAQTGSGK	Oxidation (M)[4]	Mascot	
	1498.7537	1498.6818	-0.0719	-48	583	596	VGNLGLATSFYNDK		Mascot	
	1830.9642	1830.9037	-0.0605	-33	343	359	VRPCVVYGGADIGQQIR		Mascot	
	2524.3909	2524.1577	-0.2332	-92	477	499	SFLDLLNATGKDSLTLV FVETK		Mascot	
17	Zgc:173480 protein [Danio rerio]				gi 157059806	32674.8	8.57	10	37	0
Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank Result Type
	938.4941	938.4544	-0.0397	-42	155	162	FTQTSNLK			Mascot
	987.5621	987.4707	-0.0914	-93	182	190	SFITAHLK			Mascot
	1017.6203	1017.5486	-0.0717	-70	98	106	GFIRLGNLK			Mascot
	1058.4393	1058.5023	0.063	60	61	69	GFTCTQCGK		Carbamidomethyl (C)[4,7]	Mascot
	1058.4393	1058.5023	0.063	60	61	69	GFTCTQCGK		Carbamidomethyl (C)[4,7]	Mascot
	1232.5762	1232.5684	-0.0078	-6	1	10	MSDPEPCRIK		Carbamidomethyl (C)[7]	Mascot
	1232.5762	1232.5684	-0.0078	-6	1	10	MSDPEPCRIK		Carbamidomethyl (C)[7]	Mascot
	1814.8199	1814.8976	0.0777	43	120	134	CDHCGKTFFISSDLK		Carbamidomethyl (C)[1,4]	Mascot
	1878.8585	1878.9071	0.0486	26	139	154	VHTNEKPYSCEGKR		Carbamidomethyl (C)[10]	Mascot
	2211.0908	2211.053	-0.0378	-17	219	237	IHERIHTGERPFACSLCG K		Carbamidomethyl (C)[14]	Mascot
	2298.0034	2298.1338	0.1304	57	79	97	HMMMIHTGEKPYKCSHC DK		Oxidation (M)[3]	Mascot
	2455.1177	2455.2585	0.1408	57	191	209	LHQMIHTGERPYKCSHC ER		Carbamidomethyl (C)[14,17], Oxidation (M)[4]	Mascot
18	novel protein similar to human and mouse myeloid/lymphoid or mixed-lineage leukemia 3 (MLL3) [Danio				gi 157885936	82601.8	9.38	14	36	0

Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	870.4679	870.5198	0.0519	60	140	147	SISEGHLK					Mascot
	971.4879	971.4745	-0.0134	-14	343	349	CFSVFRR			Carbamidomethyl (C)[1]		Mascot
	996.5948	996.5746	-0.0202	-20	462	470	VLGPVAERR					Mascot
	1045.6152	1045.5391	-0.0761	-73	602	611	IQGLGLFAAR					Mascot
	1074.5653	1074.5266	-0.0387	-36	179	187	WTIDIAMPK					Mascot
	1090.5602	1090.499	-0.0612	-56	179	187	WTIDIAMPK			Oxidation (M)[7]		Mascot
	1106.5323	1106.5083	-0.024	-22	35	43	ITKDEEESR					Mascot
	1307.5685	1307.6471	0.0786	60	423	433	YVCSVEEHEGR					Mascot
	1388.6838	1388.6646	-0.0192	-14	499	511	IAESLPGVEACSR			Carbamidomethyl (C)[11]		Mascot
	1590.754	1590.8403	0.0863	54	559	574	CIQNSTVAASASSHSK					Mascot
	1590.754	1590.8403	0.0863	54	559	574	CIQNSTVAASASSHSK					Mascot
	1800.0524	1799.8525	-0.1999	-111	201	215	LKQLTTSRLRPCLTIR			Carbamidomethyl (C)[11]		Mascot
	2132.1282	2131.9983	-0.1299	-61	516	535	YGRNPLLVLPLSMNSSG SAR					Mascot
	2132.1282	2131.9983	-0.1299	-61	516	535	YGRNPLLVLPLSMNSSG SAR					Mascot
	2225.0112	2225.0667	0.0555	25	668	686	YINHSCSPNCVAEVVTFE R			Carbamidomethyl (C)[6]		Mascot
	2256.1184	2256.1699	0.0515	23	616	634	QTMVIEYMGDILRTEVAM R					Mascot
	2283.1562	2283.1155	-0.0407	-18	328	348	GAGAAAGLHVEHQLRCF SVFR			Carbamidomethyl (C)[16]		Mascot
19	PREDICTED: receptor-type tyrosine-protein phosphatase delta [Danio rerio]				gi 326669738		54289.1	6.81	10	35	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	918.4751	918.4677	-0.0074	-8	359	366	DGQSRTVR					Mascot
	987.5621	987.4707	-0.0914	-93	16	23	ETPPKFLR					Mascot
	1106.5663	1106.5083	-0.058	-52	226	235	FISANLPCNK					Mascot
	1483.7283	1483.7021	-0.0262	-18	125	137	TGCFIVIDAMLER			Oxidation (M)[10]		Mascot
	1814.9218	1814.8976	-0.0242	-13	140	154	HEKTVDIYGHVTLMR			Oxidation (M)[14]		Mascot
	2040.9794	2040.9895	0.0101	5	197	214	LTQIESGENVTGMELEFK			Oxidation (M)[13]		Mascot
	2132.1355	2131.9983	-0.1372	-64	240	257	LVNIMPYESTRVCLQPIR					Mascot
	2132.1355	2131.9983	-0.1372	-64	240	257	LVNIMPYESTRVCLQPIR					Mascot
	2233.052	2233.0327	-0.0193	-9	258	277	GVEGSDYINGSFIDGYRQ QK					Mascot
	2260.0034	2260.0886	0.0852	38	87	107	DEAIYECVASNSVGETSA			Carbamidomethyl (C)[7]		Mascot

	2260.0034	2260.0886	0.0852	38	87	107	TTR DEAIYECVASNSVGETSA TTR		Carbamidomethyl (C)[7]		Mascot
	2283.1326	2283.1155	-0.0171	-7	1	20	MADAELEALHLFNEKETP PK				Mascot
	2299.1274	2299.1304	0.003	1	1	20	MADAELEALHLFNEKETP PK		Oxidation (M)[1]		Mascot
20	novel protein similar to vertebrate phospholipase A2, group VI (PLA2G6) (zgc:77476) [Danio rerio]					gi 94733407	90549.6	6.09	14	35	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
938.4213	938.4544	0.0331	35	553	560	NEFGENTK					Mascot
1017.5008	1017.5486	0.0478	47	526	532	CLYFRMK			Carbamidomethyl (C)[1]		Mascot
1045.571	1045.5391	-0.0319	-31	467	476	LLCLDGGGIK			Carbamidomethyl (C)[3]		Mascot
1090.5198	1090.499	-0.0208	-19	169	177	ELLEECQAR					Mascot
1106.5874	1106.5083	-0.0791	-71	569	578	VMVTSVLADR			Oxidation (M)[2]		Mascot
1590.7792	1590.8403	0.0611	38	169	181	ELLEECQARTDVK			Carbamidomethyl (C)[6]		Mascot
1590.7792	1590.8403	0.0611	38	169	181	ELLEECQARTDVK			Carbamidomethyl (C)[6]		Mascot
1830.9167	1830.9037	-0.013	-7	329	345	FEAAMTLLTHGADANIR					Mascot
1878.8949	1878.9071	0.0122	6	133	147	DCLKHNYLSQMNSR			Carbamidomethyl (C)[2]		Mascot
1894.8898	1894.9021	0.0123	6	133	147	DCLKHNYLSQMNSR			Carbamidomethyl (C)[2], Oxidation (M)[12]		Mascot
2174.1274	2174.0476	-0.0798	-37	306	325	GCNVNYLSKTGESPLHIL TK					Mascot
2225.0549	2225.0667	0.0118	5	148	168	DAQGQTPLHLACERGDV GCVR					Mascot
2259.9348	2260.0886	0.1538	68	738	757	ELGKMLVDCCTSDGCA VDR			Carbamidomethyl (C)[9,10], Oxidation (M)[5]		Mascot
2259.9348	2260.0886	0.1538	68	738	757	ELGKMLVDCCTSDGCA VDR			Carbamidomethyl (C)[9,10], Oxidation (M)[5]		Mascot
2283.0354	2283.1155	0.0801	35	245	264	CDIMGNNGFPIHAAMKFS EK			Carbamidomethyl (C)[1], Oxidation (M)[4]		Mascot
2298.158	2298.1338	-0.0242	-11	346	366	GQDGNTALHLAMKLDNM DLIK					Mascot
2299.0303	2299.1304	0.1001	44	245	264	CDIMGNNGFPIHAAMKFS EK			Carbamidomethyl (C)[1], Oxidation (M)[4,15]		Mascot
2502.2842	2502.1831	-0.1011	-40	427	450	KAPPPGIGFNDIMQVAVA VTAMSR			Oxidation (M)[13,22]		Mascot
2502.2842	2502.1831	-0.1011	-40	427	450	KAPPPGIGFNDIMQVAVA VTAMSR			Oxidation (M)[13,22]		Mascot

21	novel protein similar to vertebrate phospholipase A2, group VI (cytosolic, calcium-independent) (PL					gi 94733619	83667	5.79	13	34	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
938.4213	938.4544	0.0331	35	516	523	NEFGENTK					Mascot

1017.5008	1017.5486	0.0478	47	489	495	CLYFRMK	Carbamidomethyl (C)[1]	Mascot
1045.571	1045.5391	-0.0319	-31	430	439	LLCLDGGGIK	Carbamidomethyl (C)[3]	Mascot
1090.5198	1090.499	-0.0208	-19	171	179	ELLEECQAR		Mascot
1106.5874	1106.5083	-0.0791	-71	532	541	VMVTSVLADR	Oxidation (M)[2]	Mascot
1590.7792	1590.8403	0.0611	38	171	183	ELLEECQARTDVK	Carbamidomethyl (C)[6]	Mascot
1590.7792	1590.8403	0.0611	38	171	183	ELLEECQARTDVK	Carbamidomethyl (C)[6]	Mascot
1830.9167	1830.9037	-0.013	-7	331	347	FEAAMTLLTHGADANIR		Mascot
1878.8949	1878.9071	0.0122	6	135	149	DCLKHNYILSQMNSR	Carbamidomethyl (C)[2]	Mascot
1894.8898	1894.9021	0.0123	6	135	149	DCLKHNYILSQMNSR	Carbamidomethyl (C)[2], Oxidation (M)[12]	Mascot
2174.1274	2174.0476	-0.0798	-37	308	327	GCNVNYLSKTGESPLHIL TK		Mascot
2225.0549	2225.0667	0.0118	5	150	170	DAQGQTPLHLACERGDV GCVR		Mascot
2240.0298	2240.1404	0.1106	49	247	266	CDIMGNNGFPIHTAMKFS EK		Mascot
2256.0247	2256.1699	0.1452	64	247	266	CDIMGNNGFPIHTAMKFS EK	Oxidation (M)[4]	Mascot
2259.9348	2260.0886	0.1538	68	676	695	ELGKMLVDCCTSDGCA VDR	Carbamidomethyl (C)[9,10], Oxidation (M)[5]	Mascot
2259.9348	2260.0886	0.1538	68	676	695	ELGKMLVDCCTSDGCA VDR	Carbamidomethyl (C)[9,10], Oxidation (M)[5]	Mascot
2298.158	2298.1338	-0.0242	-11	348	368	GQDGNTALHLAMKLDNM DLIK		Mascot

22 PREDICTED: coronin-2B [Danio rerio] gi|292627941 53560.2 7.91 9 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4161	850.524	0.1079	127	316	322	SLCVMPK			Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot
856.3948	856.5056	0.1108	129	2	8	SWSSAYR					Mascot
882.5519	882.5467	-0.0052	-6	199	205	LRIIDPR					Mascot
938.553	938.4544	-0.0986	-105	398	405	RPNPVSLR					Mascot
987.4352	987.4707	0.0355	36	1	8	MSWSSAYR					Mascot
1003.4301	1003.4652	0.0351	35	1	8	MSWSSAYR			Oxidation (M)[1]		Mascot
1346.6191	1346.6195	0.0004	0	78	89	VCGHQGSVM DIK			Carbamidomethyl (C)[2], Oxidation (M)[9]		Mascot
1590.7792	1590.8403	0.0611	38	416	429	GIDLLENISMNTDR					Mascot
1590.7792	1590.8403	0.0611	38	416	429	GIDLLENISMNTDR					Mascot
1606.7742	1606.8353	0.0611	38	416	429	GIDLLENISMNTDR			Oxidation (M)[10]		Mascot
1606.7742	1606.8353	0.0611	38	416	429	GIDLLENISMNTDR			Oxidation (M)[10]		Mascot
2173.9529	2174.0476	0.0947	44	90	108	WSPFMDNIIASSSEDCTV R			Oxidation (M)[5]		Mascot
2211.0435	2211.053	0.0095	4	71	89	VDPHYPRVCVGHQGSVM DIK			Carbamidomethyl (C)[9], Oxidation (M)[16]		Mascot

23 novel protein [Danio rerio] gi|94733372 43155.7 8.21 11 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1074.4053	1074.5266	0.1213	113	273	281	ECVCFECGK			Carbamidomethyl (C)[2]		Mascot
1106.4354	1106.5083	0.0729	66	217	225	THTCDDQCGK			Carbamidomethyl (C)[4,7]		Mascot
1225.4976	1225.5591	0.0615	50	161	169	TYECLHCDK			Carbamidomethyl (C)[4,7]		Mascot
1232.5762	1232.5684	-0.0078	-6	1	10	MSDPEPCRIK			Carbamidomethyl (C)[7]		Mascot
1232.5762	1232.5684	-0.0078	-6	1	10	MSDPEPCRIK			Carbamidomethyl (C)[7]		Mascot
1241.5653	1241.4652	-0.1001	-81	327	337	EKPFTCTQCGK					Mascot
1307.6637	1307.6471	-0.0166	-13	150	160	RHQMIHTAGEK					Mascot
1862.7942	1862.9124	0.1182	63	350	365	LMHTGEKTHTCDDQCSR			Oxidation (M)[2]		Mascot
2169.0791	2169.0811	0.002	1	198	216	SLTQISNINEHMMMLHTGV K			Oxidation (M)[12]		Mascot
2259.9944	2260.0886	0.0942	42	151	169	HQMIHTAGEKTYECLHC DK			Oxidation (M)[3]		Mascot
2259.9944	2260.0886	0.0942	42	151	169	HQMIHTAGEKTYECLHC DK			Oxidation (M)[3]		Mascot
2299.0417	2299.1304	0.0887	39	179	197	YHTMIHTGERLYTCTQCG K			Carbamidomethyl (C)[14]		Mascot
2300.0547	2300.1221	0.0674	29	98	117	VHTNQRPYSCSECGKSF TQK					Mascot

24 ribosome production factor 2 homolog [Danio rerio] gi|47550781 35438.5 10 9 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.5396	850.524	-0.0156	-18	197	203	SYKVLLK					Mascot
856.4523	856.5056	0.0533	62	2	9	SHTDGIVK					Mascot
987.4927	987.4707	-0.022	-22	1	9	MSHTDGIVK					Mascot
1003.4877	1003.4652	-0.0225	-22	1	9	MSHTDGIVK			Oxidation (M)[1]		Mascot
1241.5983	1241.4652	-0.1331	-107	161	171	SVLTDFFCGPR					Mascot
1254.6624	1254.5487	-0.1137	-91	266	275	LHMQKQDLNK					Mascot
1799.8521	1799.8525	0.0004	0	212	226	IELEEIGPSFDFMTMR			Oxidation (M)[14]		Mascot
2260.0566	2260.0886	0.032	14	108	125	MFDFHVLDMFELGIENFR					Mascot
2260.0566	2260.0886	0.032	14	108	125	MFDFHVLDMFELGIENFR					Mascot
2283.0784	2283.1155	0.0371	16	135	154	CPEGTKPMLVFAGDLFE TDR			Carbamidomethyl (C)[1]		Mascot
2298.2427	2298.1338	-0.1089	-47	177	196	LAGLEHVLHFTALEGKIY MR					Mascot
2299.0732	2299.1304	0.0572	25	135	154	CPEGTKPMLVFAGDLFE TDR			Carbamidomethyl (C)[1], Oxidation (M)[8]		Mascot

25 LOC792623 protein [Danio rerio] gi|120537543 95675.5 5.12 13 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
971.5156	971.4745	-0.0411	-42	522	529	ENLTPLER					Mascot
987.5693	987.4707	-0.0986	-100	776	785	ARSVLSAAGR					Mascot
1017.5323	1017.5486	0.0163	16	608	615	EEVLERSR					Mascot
1106.5762	1106.5083	-0.0679	-61	827	835	LDTMEKEIK					Mascot
1225.5916	1225.5591	-0.0325	-27	230	240	VLVDSMMGVSR			Oxidation (M)[6,7]		Mascot
1257.6433	1257.4602	-0.1831	-146	472	482	LQELEEQAAR					Mascot
1262.6045	1262.6448	0.0403	32	282	291	QLNETLMEER					Mascot
1590.7581	1590.8403	0.0822	52	214	227	SCAEFLDDALLTHR					Mascot
1590.7581	1590.8403	0.0822	52	214	227	SCAEFLDDALLTHR					Mascot
1799.8632	1799.8525	-0.0107	-6	483	497	HRLQDQNTSSETQQK					Mascot
1910.792	1910.8948	0.1028	54	292	308	DEDDDETLSQCSVIDAR					Mascot
2282.9792	2283.1155	0.1363	60	499	518	IDDDVQSILSDSSMYNFK			Oxidation (M)[15]		Mascot
2455.1992	2455.2585	0.0593	24	778	803	SVLSAAGRAESVFSAGGASQLSCGSR					Mascot
2524.3081	2524.1577	-0.1504	-60	134	155	DRLEAPLSPDEVWPNVFIAEK					Mascot

26 centrosomal protein of 41 kDa [Danio rerio] gi|50345046 41398.8 8.58 8 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.4025	870.5198	0.1173	135	210	216	TMNPYTK			Oxidation (M)[2]		Mascot
938.4465	938.4544	0.0079	8	309	316	FTAEDLDK					Mascot
954.4673	954.4503	-0.017	-18	338	346	MSTSSARSK					Mascot
1003.5432	1003.4652	-0.078	-78	367	374	SRSSRPWK					Mascot
1198.5845	1198.6786	0.0941	79	334	344	LSSRMSTSSAR			Oxidation (M)[5]		Mascot
1392.6826	1392.7058	0.0232	17	355	368	QGSSIAGSESARSR					Mascot
1392.6826	1392.7058	0.0232	17	355	368	QGSSIAGSESARSR					Mascot
1483.7612	1483.7021	-0.0591	-40	293	305	RSAQHQTSQLAEK					Mascot
1894.9213	1894.9021	-0.0192	-10	347	366	ASTVGSSRQGSSIAGSE SAR					Mascot

27 Si:ch211-67e16.9 protein [Danio rerio] gi|156230514 66223 9.45 10 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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				Seq.	Seq.	Score								
	882.577	882.5467	-0.0303	-34	162	169	KGPLLQK							Mascot
	987.5006	987.4707	-0.0299	-30	443	451	VFPSSHASSR							Mascot
	1198.615	1198.6786	0.0636	53	247	256	ACQGHKWALK				Carbamidomethyl (C)[2]			Mascot
	1254.5493	1254.5487	-0.0006	0	208	218	FASCKYSSSMK				Oxidation (M)[10]			Mascot
	1353.662	1353.6532	-0.0088	-7	224	234	FMHLTNYSVNK							Mascot
	1353.662	1353.6532	-0.0088	-7	224	234	FMHLTNYSVNK							Mascot
	1414.608	1414.6608	0.0528	37	235	246	KNSEYQNSDDK							Mascot
	1910.7933	1910.8948	0.1015	53	236	252	NSEYQNSDDKACQGHK							Mascot
	2131.9197	2131.9983	0.0786	37	362	383	DDFAPSGSSASSTSSL CGGVR				Carbamidomethyl (C)[18]			Mascot
	2131.9197	2131.9983	0.0786	37	362	383	DDFAPSGSSASSTSSL CGGVR				Carbamidomethyl (C)[18]			Mascot
	2283.0598	2283.1155	0.0557	24	406	425	FGDQDFCATVLDVLPD DVR				Carbamidomethyl (C)[7]			Mascot
	2524.2751	2524.1577	-0.1174	-47	2	23	PSTLYFSTANERVLLPA EQMK							Mascot
28	milk fat globule-EGF factor 8 protein b [Danio rerio]				gi 124430524		52301.6	8.32	8	33	0	13	0	

Peptide Information

				Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	842.4916	842.4904	-0.0012	-1	291	297	IVPVVCR					Carbamidomethyl (C)[6]		Mascot
	850.4127	850.524	0.1113	131	140	147	CPSPYVGK							Mascot
	1225.6	1225.5591	-0.0409	-33	440	449	NVFDPPFYAR							Mascot
	1258.65	1258.4901	-0.1599	-127	232	242	MGTAEFKAFK					Oxidation (M)[1]		Mascot
	1258.65	1258.4901	-0.1599	-127	232	242	MGTAEFKAFK					Oxidation (M)[1]		Mascot
	1353.6949	1353.6532	-0.0417	-31	439	449	KNVFDPPFYAR							Mascot
	1353.6949	1353.6532	-0.0417	-31	439	449	KNVFDPPFYAR							Mascot
	1392.6862	1392.7058	0.0196	14	462	473	ITLRMELLGCDE							Mascot
	1392.6862	1392.7058	0.0196	14	462	473	ITLRMELLGCDE							Mascot
	1483.8268	1483.7021	-0.1247	-84	370	381	SEWLQVDLLRPK							Mascot
	1606.7972	1606.8353	0.0381	24	405	418	VAHSDDGQHWITLK							Mascot
	1606.7972	1606.8353	0.0381	24	405	418	VAHSDDGQHWITLK			13	0			Mascot
29	39S ribosomal protein L22, mitochondrial [Danio rerio]				gi 169790878		24209.6	9.77	6	32	0			

Peptide Information

				Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	1058.5128	1058.5023	-0.0105	-10	168	175	VYCHYFVK							Mascot

	1058.5128	1058.5023	-0.0105	-10	168	175	VYCHYFVK										Mascot
	2040.938	2040.9895	0.0515	25	160	175	GMFGIMEKVYCHYFVK									Carbamidomethyl (C)[11], Oxidation (M)[2,6]	Mascot
	2169.1345	2169.0811	-0.0534	-25	2	22	AASTVTWTGLAAIGRAC GHIR									Carbamidomethyl (C)[17]	Mascot
	2220.1692	2220.0903	-0.0789	-36	91	109	LIRGMTIDQALVQLEFND K									Oxidation (M)[5]	Mascot
	2300.175	2300.1221	-0.0529	-23	1	22	MAASTVTWTGLAAIGRA CGHIR									Carbamidomethyl (C)[18]	Mascot
	2455.177	2455.2585	0.0815	33	25	47	LLGSSSTYSQVSLHTSS ELNNK										Mascot
30	PREDICTED: zinc finger protein 420 isoform 2 [Danio rerio]					gi 326678086	70371	9.08	13	32	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	842.5206	842.4904	-0.0302	-36	25	31	QRQGLLK					Mascot
	987.5621	987.4707	-0.0914	-93	497	505	TFITAGHLK					Mascot
	1017.5574	1017.5486	-0.0088	-9	27	35	QGLLDSEK					Mascot
	1045.536	1045.5391	0.0031	3	134	141	FHCARNLK			Carbamidomethyl (C)[3]		Mascot
	1232.5762	1232.5684	-0.0078	-6	36	45	MSDPEPCRIK			Carbamidomethyl (C)[7]		Mascot
	1232.5762	1232.5684	-0.0078	-6	36	45	MSDPEPCRIK			Carbamidomethyl (C)[7]		Mascot
	1257.5602	1257.4602	-0.1	-80	178	188	EKPYSQSVCGK			Carbamidomethyl (C)[6]		Mascot
	2132.0164	2131.9983	-0.0181	-8	339	356	HQQIHTAVRGFVCFECEK					Mascot
	2132.0164	2131.9983	-0.0181	-8	339	356	HQQIHTAVRGFVCFECEK					Mascot
	2211.0798	2211.053	-0.0268	-12	450	468	IHLRVHTNEKPYSCPECG K					Mascot
	2219.9744	2220.0903	0.1159	52	142	160	SHEMLHTGEKPHKCDHC SK			Oxidation (M)[4]		Mascot
	2278.0352	2277.9463	-0.0889	-39	239	257	CSHCDLRFSGHSLTVH ER			Carbamidomethyl (C)[1]		Mascot
	2283.0579	2283.1155	0.0576	25	227	245	HQMIHTGEKPYKCSHCD LR					Mascot
	2298.0906	2298.1338	0.0432	19	478	496	LHQHVHTGVREFVCFEC EK					Mascot
	2299.053	2299.1304	0.0774	34	227	245	HQMIHTGEKPYKCSHCD LR			Oxidation (M)[3]		Mascot
	2502.1462	2502.1831	0.0369	15	83	104	IDHNFLMETTAVKDFTCT QCGK					Mascot
	2502.1462	2502.1831	0.0369	15	83	104	IDHNFLMETTAVKDFTCT QCGK					Mascot

31	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2 [Danio rerio]					gi 45387911	46923	9.08	10	32	0						
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	856.4345	856.5056	0.0711	83	378	384	SPQHMIK					Oxidation (M)[5]	Mascot
	918.4791	918.4677	-0.0114	-12	162	169	ESWGKVG						Mascot
	996.4971	996.5746	0.0775	78	234	242	CPGANFIFK						Mascot
	1074.5691	1074.5266	-0.0425	-40	158	166	QAIRESWGK						Mascot
	1232.5914	1232.5684	-0.023	-19	117	125	DFLLYMRCR					Oxidation (M)[6]	Mascot
	1232.6497	1232.5684	-0.0813	-66	115	123	FKDFLLYMR						Mascot
	1241.6161	1241.4652	-0.1509	-122	351	360	GFRTFDIEEK						Mascot
	1254.6113	1254.5487	-0.0626	-50	107	116	DYNSLPDRFK						Mascot
	1262.6058	1262.6448	0.039	31	196	205	MLHHESSIHR					Oxidation (M)[1]	Mascot
	1392.7522	1392.7058	-0.0464	-33	223	233	EVLFWLSTR						Mascot
	1392.7522	1392.7058	-0.0464	-33	223	233	EVLFWLSTR						Mascot
32	contactin-1a precursor [Danio rerio]				gi 136256388		114246.1	6.19	13	32	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.5111	856.5056	-0.0055	-6	434	441	LLGARNGR					Mascot
987.5118	987.4707	-0.0411	-42	383	390	GHEVRFSR					Mascot
1045.5173	1045.5391	0.0218	21	562	569	DAQHYQRK					Mascot
1090.4912	1090.499	0.0078	7	656	664	ESAAQQDWR					Mascot
1106.5323	1106.5083	-0.024	-22	625	634	VDEVTSDSVR					Mascot
1353.6505	1353.6532	0.0027	2	994	1007	AHSEGGDGAVAQVR					Mascot
1353.6505	1353.6532	0.0027	2	994	1007	AHSEGGDGAVAQVR					Mascot
1388.6012	1388.6646	0.0634	46	492	502	YTCFAENDRGR			Carbamidomethyl (C)[3]		Mascot
2224.9749	2225.0667	0.0918	41	388	406	FSRLGFEDSGMYQCVAE NR			Oxidation (M)[11]		Mascot
2256.1689	2256.1699	0.001	0	713	735	TTTREARPIVAPSDIGGG GGTSR					Mascot
2278.1343	2277.9463	-0.188	-83	569	589	KMDSASGTSSELLITH QLR			Oxidation (M)[2]		Mascot
2283.092	2283.1155	0.0235	10	594	614	YSCTAQTPVDNTTASAE VVR			Carbamidomethyl (C)[3]		Mascot
2284.2131	2284.1179	-0.0952	-42	442	460	VVFECRPRAAPRPNITW SK			Carbamidomethyl (C)[5]		Mascot
2299.1426	2299.1304	-0.0122	-5	986	1007	GEYLVEVRAHSEGGDGA VAQVR					Mascot

33 PREDICTED: ribosomal protein S6 kinase alpha-2-like [Danio rerio] gi|125834099 83167.2 8.78 11 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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882.5771	882.5467	-0.0304	-34	661	668	LTAPLVLR						Mascot
918.5328	918.4677	-0.0651	-71	266	273	ETMALILK						Mascot
954.4461	954.4503	0.0042	4	501	507	QKCFSER			Carbamidomethyl (C)[3]			Mascot
1165.698	1165.7192	0.0212	18	134	142	LYLILDFLR						Mascot
1225.5994	1225.5591	-0.0403	-33	693	704	GAMAATYSALNR						Mascot
1241.5942	1241.4652	-0.129	-104	693	704	GAMAATYSALNR			Oxidation (M)[3]			Mascot
1254.6034	1254.5487	-0.0547	-44	419	430	EDIGIGAYSVCK						Mascot
1814.8774	1814.8976	0.0202	11	503	518	CFSEREASAVLCITIK			Carbamidomethyl (C)[1]			Mascot
1830.9781	1830.9037	-0.0744	-41	276	291	LGMPQFLSPEVQSLLR			Oxidation (M)[3]			Mascot
1862.9858	1862.9124	-0.0734	-39	184	199	DLKPENILLDEEGHIK						Mascot
1911.0156	1910.8948	-0.1208	-63	108	123	MERDILAEVNHPPFIVK						Mascot
2041.0609	2040.9895	-0.0714	-35	481	497	FVYLMELMRGGELLDR						Mascot

34 PREDICTED: cerebellar degeneration-related protein 2-like [Danio rerio] gi|326666298 49910.8 5.11 9 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
971.4363	971.4745	0.0382	39	76	83	QMNDQHAK					Mascot
987.4312	987.4707	0.0395	40	76	83	QMNDQHAK			Oxidation (M)[2]		Mascot
1165.5704	1165.7192	0.1488	128	152	162	ALGAQSMSCLK			Carbamidomethyl (C)[9]		Mascot
1198.5375	1198.6786	0.1411	118	14	22	SEEELWYSR					Mascot
1232.5146	1232.5684	0.0538	44	307	316	CRCSSDSYVR			Carbamidomethyl (C)[1]		Mascot
1232.5146	1232.5684	0.0538	44	307	316	CRCSSDSYVR			Carbamidomethyl (C)[1]		Mascot
1257.5641	1257.4602	-0.1039	-83	309	319	CSSDSYVRGAR			Carbamidomethyl (C)[1]		Mascot
1307.6703	1307.6471	-0.0232	-18	262	272	LLWRSESSSR					Mascot
1862.929	1862.9124	-0.0166	-9	367	383	CQHGANSLSHKAVQTPK			Carbamidomethyl (C)[1]		Mascot
2240.0864	2240.1404	0.054	24	191	209	CVEEEEETSTLQHS LHK LK					Mascot
2298.1104	2298.1338	0.0234	10	152	171	ALGAQSMSCLK E IYDLQQ DK			Carbamidomethyl (C)[9]		Mascot

35 KIAA0650-like protein [Danio rerio] gi|57164644 131026.7 7.89 14 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.5508	850.524	-0.0268	-32	906	913	VAHLALVK					Mascot
870.4977	870.5198	0.0221	25	87	93	MHTVKVR					Mascot

	996.5359	996.5746	0.0387	39	1	9	TSFSIKEGK							Mascot
	1051.6398	1051.688	0.0482	46	696	704	TLLYSLTLK							Mascot
	1058.5476	1058.5023	-0.0453	-43	287	296	LNAEDLAQGK							Mascot
	1058.5476	1058.5023	-0.0453	-43	287	296	LNAEDLAQGK							Mascot
	1165.5782	1165.7192	0.141	121	1047	1057	CNGKFGGLQNK							Mascot
	1388.7532	1388.6646	-0.0886	-64	1051	1063	FGGLQNKAPSIEK							Mascot
	1392.8209	1392.7058	-0.1151	-83	693	704	ANRTLLYSLTLK							Mascot
	1392.8209	1392.7058	-0.1151	-83	693	704	ANRTLLYSLTLK							Mascot
	1498.7635	1498.6818	-0.0817	-55	1153	1166	SLEPESSDTPVLPK							Mascot
	1590.7904	1590.8403	0.0499	31	1136	1149	TLARTPEQMSDAVR			Oxidation (M)[9]				Mascot
	1590.7904	1590.8403	0.0499	31	1136	1149	TLARTPEQMSDAVR			Oxidation (M)[9]				Mascot
	1862.9099	1862.9124	0.0025	1	602	620	GLASGSCPPAAASTLKC SK			Carbamidomethyl (C)[7,17]				Mascot
	1894.9769	1894.9021	-0.0748	-39	410	426	FVSGSPGSRELSFQLQR							Mascot
	1910.9755	1910.8948	-0.0807	-42	564	580	VTLCAGDIFPDFMVVVK			Carbamidomethyl (C)[4]				Mascot
	2256.0601	2256.1699	0.1098	49	824	841	EFFDTNQQLISELECQVR			Carbamidomethyl (C)[15]				Mascot

36

phosphoenolpyruvate carboxykinase [GTP], mitochondrial [Danio rerio]

gi|47085983

69705.2

8.72

10

32

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.4312	856.5056	0.0744	87	392	398	LTDWHGK					Mascot
1058.6317	1058.5023	-0.1294	-122	100	108	TVIVTKNQR					Mascot
1058.6317	1058.5023	-0.1294	-122	100	108	TVIVTKNQR					Mascot
1074.5902	1074.5266	-0.0636	-59	13	23	NAISTASVGVR					Mascot
1090.6407	1090.499	-0.1417	-130	547	554	VLEWIFKR					Mascot
1198.5925	1198.6786	0.0861	72	289	300	YIAAAPSACGK					Mascot
1232.7218	1232.5684	-0.1534	-124	1	11	MSCLLLGVLKR					Mascot
1232.7218	1232.5684	-0.1534	-124	1	11	MSCLLLGVLKR					Mascot
1254.5354	1254.5487	0.0133	11	136	146	EDRFPGCMAGR			Oxidation (M)[8]		Mascot
1257.6375	1257.4602	-0.1773	-141	392	401	LTDWHGKSWK					Mascot
1878.8551	1878.9071	0.052	28	399	414	SWKYGDSTLCAHPNSR			Carbamidomethyl (C)[10]		Mascot
2174.062	2174.0476	-0.0144	-7	165	184	FGVQVTDSPYVVASMGIMTR			Oxidation (M)[15]		Mascot

37

PREDICTED: inactive dual specificity phosphatase 27 [Danio rerio]

gi|326663755

122568.2

4.95

14

32

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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				Seq.	Seq.	Score				
	971.5156	971.4745	-0.0411	-42	522	529	ENLTPLER			Mascot
	987.5291	987.4707	-0.0584	-59	887	894	TCEKPKPK	Carbamidomethyl (C)[2]		Mascot
	1017.5323	1017.5486	0.0163	16	608	615	EEVLERSR			Mascot
	1106.5762	1106.5083	-0.0679	-61	827	835	LDTMEKEIK			Mascot
	1225.5916	1225.5591	-0.0325	-27	230	240	VLVDSMMGVSR	Oxidation (M)[6,7]		Mascot
	1257.6433	1257.4602	-0.1831	-146	472	482	LQEELEQAAAR			Mascot
	1262.6045	1262.6448	0.0403	32	282	291	QLNETLMEER			Mascot
	1590.7581	1590.8403	0.0822	52	214	227	SCAEFLDDALLTHR			Mascot
	1590.7581	1590.8403	0.0822	52	214	227	SCAEFLDDALLTHR			Mascot
	1799.7389	1799.8525	0.1136	63	983	998	NCADDLDPELSYSSR			Mascot
	1910.792	1910.8948	0.1028	54	292	308	DEDDDETLSQCVIDAR			Mascot
	2168.9045	2169.0811	0.1766	81	28	46	CPSPSFSMMSDRFSTVS DR	Oxidation (M)[8,9]		Mascot
	2282.9792	2283.1155	0.1363	60	499	518	IDDDVQSILSDSSSMYNF CK	Oxidation (M)[15]		Mascot
	2455.1992	2455.2585	0.0593	24	778	803	SVLSAAGRAESVFSAGG ASQLSCGSR			Mascot
	2524.3081	2524.1577	-0.1504	-60	134	155	DRLEAPLSPVDEVWPNV FIAEK			Mascot

38 p53 and DNA damage-regulated protein 1 [Danio rerio] gi|62955487 15052.9 6.62 5 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
1003.553	1003.4652	-0.0878	-87	85	92 EITDLRTR				Mascot
1058.5161	1058.5023	-0.0138	-13	57	65 VCFGNMFIK				Mascot
1058.5161	1058.5023	-0.0138	-13	57	65 VCFGNMFIK				Mascot
1074.5111	1074.5266	0.0155	14	57	65 VCFGNMFIK		Oxidation (M)[6]		Mascot
1392.7006	1392.7058	0.0052	4	111	123 GYNLAPLSSDEVK				Mascot
1392.7006	1392.7058	0.0052	4	111	123 GYNLAPLSSDEVK				Mascot
2040.9629	2040.9895	0.0266	13	48	65 NNSPNDNVKVCFGNMF K				Mascot
2132.1597	2131.9983	-0.1614	-76	111	130 GYNLAPLSSDEVKAINSL LK				Mascot
2132.1597	2131.9983	-0.1614	-76	111	130 GYNLAPLSSDEVKAINSL LK				Mascot

39 PREDICTED: potassium voltage-gated channel subfamily B member 2 [Danio rerio] gi|125806037 91788.7 6.68 12 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
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		870.5155	870.5198	0.0043	5	51	57	TLDRLPR									Mascot
		954.5002	954.4503	-0.0499	-52	676	684	SPPQGNQVK									Mascot
		971.5519	971.4745	-0.0774	-80	577	584	EKPVTEIR									Mascot
		1045.5789	1045.5391	-0.0398	-38	605	614	SALLPNFAGR									Mascot
		1090.6003	1090.499	-0.1013	-93	288	296	SVLQFQNV									Mascot
		1106.5994	1106.5083	-0.0911	-82	251	259	FLSSPNKWK									Mascot
		1198.6538	1198.6786	0.0248	21	519	529	STPSPQRLNAK									Mascot
		1241.587	1241.4652	-0.1218	-98	642	651	EGLYEFVPCK				Carbamidomethyl (C)[9]					Mascot
		1483.5787	1483.7021	0.1234	83	810	824	SSGDGGRSPPCETSM				Oxidation (M)[15]					Mascot
		1862.968	1862.9124	-0.0556	-30	455	470	DAFARNMELLDVVIEK									Mascot
		1878.9629	1878.9071	-0.0558	-30	455	470	DAFARNMELLDVVIEK				Oxidation (M)[7]					Mascot
		1910.9242	1910.8948	-0.0294	-15	499	515	GFDSKYQEVGQLASPER									Mascot
		2278.0364	2277.9463	-0.0901	-40	774	797	SAQNCASATAGAVGAED NIQSGQK									Mascot
40	peregrin [Danio rerio]						gi 41056011	102088.8	7.54	12	31	0					
		Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification		Rank	Result	Type			
		938.5166	938.4544	-0.0622	-66	640	646	LRHDLR									Mascot
		987.4788	987.4707	-0.0081	-8	352	359	RCPQSPSR				Carbamidomethyl (C)[2]					Mascot
		1003.4447	1003.4652	0.0205	20	426	435	GSGACIQCHK									Mascot
		1058.5741	1058.5023	-0.0718	-68	632	639	EQLKAWQR									Mascot
		1058.5741	1058.5023	-0.0718	-68	632	639	EQLKAWQR									Mascot
		1090.502	1090.499	-0.003	-3	360	369	AVDCALCPNK				Carbamidomethyl (C)[4]					Mascot
		1225.5807	1225.5591	-0.0216	-18	461	472	ETGANGTSFVSVR									Mascot
		1232.5663	1232.5684	0.0021	2	724	732	MWKCYESHR				Carbamidomethyl (C)[4]					Mascot
		1232.5663	1232.5684	0.0021	2	724	732	MWKCYESHR				Carbamidomethyl (C)[4]					Mascot
		1241.6129	1241.4652	-0.1477	-119	417	425	LTCYICKQR				Carbamidomethyl (C)[3,6]					Mascot
		1353.6757	1353.6532	-0.0225	-17	461	473	ETGANGTSFVSVRK									Mascot
		1353.6757	1353.6532	-0.0225	-17	461	473	ETGANGTSFVSVRK									Mascot
		1830.9708	1830.9037	-0.0671	-37	878	893	DTLLLDTHSHILSK									Mascot
		1862.8813	1862.9124	0.0311	17	100	115	SHSPVRETMTYAEQR									Mascot
		1878.8763	1878.9071	0.0308	16	100	115	SHSPVRETMTYAEQR				Oxidation (M)[9]					Mascot
		2220.0034	2220.0903	0.0869	39	436	455	ANCYTAFHVTCACQAGL YMK									Mascot
41	actinodin4 [Danio rerio]						gi 210147367	33840	7.98	7	31	0					

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1003.5934	1003.4652	-0.1282	-128	143	153	GPVAPPPAAVK				Mascot
1258.6538	1258.4901	-0.1637	-130	39	49	AHEFLSSSRPK				Mascot
1258.6538	1258.4901	-0.1637	-130	39	49	AHEFLSSSRPK				Mascot
1414.755	1414.6608	-0.0942	-67	39	50	AHEFLSSSRPKR				Mascot
1590.8097	1590.8403	0.0306	19	196	209	YHPNCKLEAPPPPK				Mascot
1590.8097	1590.8403	0.0306	19	196	209	YHPNCKLEAPPPPK				Mascot
1814.9945	1814.8976	-0.0969	-53	125	142	GCRVSPPPAIAPPTAVK			Carbamidomethyl (C)[2]	Mascot
1862.9415	1862.9124	-0.0291	-16	21	38	SLMEILSPDGALSLDSSK				Mascot
1878.9365	1878.9071	-0.0294	-16	21	38	SLMEILSPDGALSLDSSK			Oxidation (M)[3]	Mascot
2211.1255	2211.053	-0.0725	-33	1	20	MSAVCMLSVLLLCGQLEAK			Carbamidomethyl (C)[5], Oxidation (M)[1,6]	Mascot
42	exocyst complex component 6 [Danio rerio]			gi 47086931		81816.3	5.73	10	31	0 7 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
938.4499	938.4544	0.0045	5	204	211	EISMSDLK			Oxidation (M)[4]	Mascot
1017.4557	1017.5486	0.0929	91	1	9	MYDSSSSLK				Mascot
1045.6365	1045.5391	-0.0974	-93	527	535	KSTNLLLTR				Mascot
1232.5946	1232.5684	-0.0262	-21	471	480	FPFHDAEIEK				Mascot
1232.5946	1232.5684	-0.0262	-21	471	480	FPFHDAEIEK				Mascot
1346.6885	1346.6195	-0.069	-51	297	307	CLHIYTVLGDR			Carbamidomethyl (C)[1]	Mascot
1353.6542	1353.6532	-0.001	-1	187	197	FCQIMAETLPK			Carbamidomethyl (C)[2], Oxidation (M)[5]	Mascot
1353.6542	1353.6532	-0.001	-1	187	197	FCQIMAETLPK			Carbamidomethyl (C)[2], Oxidation (M)[5]	Mascot
1590.7904	1590.8403	0.0499	31	117	129	EVTAQTEEVIRCR			Carbamidomethyl (C)[12]	Mascot
1590.7904	1590.8403	0.0499	31	117	129	EVTAQTEEVIRCR	7	0	Carbamidomethyl (C)[12]	Mascot
1606.8444	1606.8353	-0.0091	-6	187	199	FCQIMAETLPKLR			Carbamidomethyl (C)[2]	Mascot
1606.8444	1606.8353	-0.0091	-6	187	199	FCQIMAETLPKLR	4	0	Carbamidomethyl (C)[2]	Mascot
2256.1909	2256.1699	-0.021	-9	421	438	LFDLLFEVRDQYNETLLK				Mascot
2455.1931	2455.2585	0.0654	27	650	672	STFQVFTHLPGKVAQTA CMSACK				Mascot
43	Ets2 repressor factor [Danio rerio]			gi 113678579		67501.4	6.04	10	31	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type

	842.528	842.4904	-0.0376	-45	530	536	CIPLKLR										Mascot
	1017.4959	1017.5486	0.0527	52	574	582	LGEENGDRK										Mascot
	1090.568	1090.499	-0.069	-63	79	86	ALRYYYNK										Mascot
	1225.4889	1225.5591	0.0702	57	547	557	MEAGTEEAEDK					Oxidation (M)[1]					Mascot
	1254.5969	1254.5487	-0.0482	-38	66	75	KCKPQMNYDK										Mascot
	1262.6045	1262.6448	0.0403	32	605	616	ATAQLSLENNVC										Mascot
	1353.5839	1353.6532	0.0693	51	547	558	MEAGTEEAEDKK					Oxidation (M)[1]					Mascot
	1353.5839	1353.6532	0.0693	51	547	558	MEAGTEEAEDKK					Oxidation (M)[1]					Mascot
	1498.7141	1498.6818	-0.0323	-22	67	78	CKPQMNYDKLSR					Oxidation (M)[5]					Mascot
	2233.126	2233.0327	-0.0933	-42	302	319	RYLQAHTQSVYNYHLSP R										Mascot
	2298.0713	2298.1338	0.0625	27	35	53	EEYHDVIAWQGDYGEFVI K										Mascot
44	PREDICTED: protein tyrosine phosphatase domain-containing protein 1 [Danio rerio]				gi 292626793		74370.8	6.25	10	31	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	971.538	971.4745	-0.0635	-65	201	208	RPNSIQTR					Mascot
	1017.5284	1017.5486	0.0202	20	650	658	LIAMNEVEV					Mascot
	1045.5901	1045.5391	-0.051	-49	249	257	HILHGLEAR					Mascot
	1165.6364	1165.7192	0.0828	71	81	89	FNIIDQFLR					Mascot
	1254.6113	1254.5487	-0.0626	-50	334	343	DNSQPLYVVR					Mascot
	1590.7717	1590.8403	0.0686	43	441	455	SLGVSDEQNTNSIAR					Mascot
	1590.7717	1590.8403	0.0686	43	441	455	SLGVSDEQNTNSIAR					Mascot
	1830.9279	1830.9037	-0.0242	-13	6	22	GSSVPRAHYTMVGEALR					Mascot
	1910.9932	1910.8948	-0.0984	-51	136	152	WIDYGVASLTSILDMVK					Mascot
	2259.8894	2260.0886	0.1992	88	23	41	YVIPCHMQCSMGCGGQA CK			Carbamidomethyl (C)[5,9,13,18], Oxidation (M)[7]		Mascot
	2259.8894	2260.0886	0.1992	88	23	41	YVIPCHMQCSMGCGGQA CK			Carbamidomethyl (C)[5,9,13,18], Oxidation (M)[7]		Mascot
	2299.1255	2299.1304	0.0049	2	153	173	VMSFAIQEGKMAVHCHA GLGR			Carbamidomethyl (C)[15]		Mascot

45 Rbp2b protein [Danio rerio] gi|66267453 15649 5.77 5 31 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	954.4791	954.4503	-0.0288	-30	77	84	GFDNRAFK					Mascot

	971.5883	971.4745	-0.1138	-117	94	102	LVAVQKGEK										Mascot
	1254.6378	1254.5487	-0.0891	-71	106	115	GWKHWIEGNK										Mascot
	2132.0039	2131.9983	-0.0056	-3	116	132	LYLELTCEDAVCQQVYK					Carbamidomethyl (C)[7,12]					Mascot
	2132.0039	2131.9983	-0.0056	-3	116	132	LYLELTCEDAVCQQVYK					Carbamidomethyl (C)[7,12]					Mascot
	2174.062	2174.0476	-0.0144	-7	116	133	LYLELTCEDAVCQQVYK R										Mascot
46	LOC792623 protein [Danio rerio]				gi 161612145		122679.2	4.97	14	31	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	971.5156	971.4745	-0.0411	-42	524	531	ENLTPLER					Mascot
	987.5693	987.4707	-0.0986	-100	778	787	ARSVLSAAGR					Mascot
	1017.5323	1017.5486	0.0163	16	610	617	EEVLERSR					Mascot
	1106.5762	1106.5083	-0.0679	-61	829	837	LDTMEKEIK					Mascot
	1225.5916	1225.5591	-0.0325	-27	232	242	VLVDSMMGVSR			Oxidation (M)[6,7]		Mascot
	1257.6433	1257.4602	-0.1831	-146	474	484	LQELEEQAAR					Mascot
	1262.6045	1262.6448	0.0403	32	284	293	QLNETLMEER					Mascot
	1590.7581	1590.8403	0.0822	52	216	229	SCAEFLDDALLTHR					Mascot
	1590.7581	1590.8403	0.0822	52	216	229	SCAEFLDDALLTHR					Mascot
	1799.8632	1799.8525	-0.0107	-6	485	499	HRLQDQNTSSETQQK					Mascot
	1910.792	1910.8948	0.1028	54	294	310	DEDDDETLSQCSVIDAR					Mascot
	2168.9045	2169.0811	0.1766	81	30	48	CPSPFSFMMSDRFSTVS DR			Oxidation (M)[8,9]		Mascot
	2282.9792	2283.1155	0.1363	60	501	520	IDDDVQSILSDSSSMYNF CK			Oxidation (M)[15]		Mascot
	2455.1992	2455.2585	0.0593	24	780	805	SVLSAAGRAESVFSAGG ASQLSCGSR					Mascot
	2524.3081	2524.1577	-0.1504	-60	136	157	DRLEAPLSPDEVWPNV FIAEK					Mascot

47 Erf protein [Danio rerio] gi|213625938 68020.6 6.04 10 31 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	842.528	842.4904	-0.0376	-45	535	541	CIPLKLR					Mascot
	1017.4959	1017.5486	0.0527	52	579	587	LGEENGDRK					Mascot
	1090.568	1090.499	-0.069	-63	84	91	ALRYYYNK					Mascot
	1225.4889	1225.5591	0.0702	57	552	562	MEAGTEEAEDK			Oxidation (M)[1]		Mascot
	1254.5969	1254.5487	-0.0482	-38	71	80	KCKPQMNYDK					Mascot
	1262.6045	1262.6448	0.0403	32	610	621	ATAQLSLENNVC					Mascot

	1353.5839	1353.6532	0.0693	51	552	563	MEAGTEEAEDKK				Oxidation (M)[1]	Mascot	
	1353.5839	1353.6532	0.0693	51	552	563	MEAGTEEAEDKK				Oxidation (M)[1]	Mascot	
	1498.7141	1498.6818	-0.0323	-22	72	83	CKPQMNYDKLSR				Oxidation (M)[5]	Mascot	
	2233.126	2233.0327	-0.0933	-42	307	324	RYLQAHTQSVYNYHLSP R					Mascot	
	2298.0713	2298.1338	0.0625	27	40	58	EEYHDVIAWQGQDYGEFVI K					Mascot	
48	GRB2-related adaptor protein [Danio rerio]				gi 71834318		24669.2	5.9	1	25	4.484		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I. %	Modification	Rank Result Type	
	1232.5615	1232.5684	0.0069	6	1	10	MEAEALYSFR		25	4.484	Oxidation (M)[1]	2 Mascot	
49	Si:dkey-240a12.1 protein [Danio rerio]				gi 213626374		142787.6	5.09	1	21	0		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I. %	Modification	Rank Result Type	
	1392.7006	1392.7058	0.0052	4	1004	1015	EAFTEVDEALIR		21	0		2 Mascot	
50	Zgc:85866 protein [Danio rerio]				gi 34785797		44013.9	8.81	1	19	0		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I. %	Modification	Rank Result Type	
	1392.6471	1392.7058	0.0587	42	341	351	CCSPQNTRTIR		19	0	Carbamidomethyl (C)[1,2]	3 Mascot	
Gel Idx/Pos		214/114				Instr./Gel Origin		BA2060/110707A			Process Status		Analysis Succeeded 11
Plate [#] Name		[1] 31496				Instrument Sample Name					Spectra		
Rank	Protein Name					Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	hypothetical protein LOC564979 [Danio rerio]					gi 157311713	38002.1	6.31	10	235	100	184	100
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I. %	Modification	Rank Result Type	
	1017.5727	1017.5524	-0.0203	-20	224	232	ITGFVDIPR					Mascot	
	1090.535	1090.5143	-0.0207	-19	49	56	MIWEENLR					Mascot	
	1106.5299	1106.5144	-0.0155	-14	49	56	MIWEENLR				Oxidation (M)[1]	Mascot	
	1190.5436	1190.5254	-0.0182	-15	38	47	SYHEDVEVGR					Mascot	

	1218.63	1218.6534	0.0234	19	49	57	MIWEENLRK										Mascot
	1346.6448	1346.6226	-0.0222	-16	38	48	SYHEDVEVGRR										Mascot
	1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR	66	99.994								Mascot
	1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR										Mascot
	1854.7091	1854.6736	-0.0355	-19	74	88	MGMNQFGDMTNEEFR					Oxidation (M)[1,3,9]					Mascot
	2174.0989	2174.054	-0.0449	-21	277	297	LDHAVLVVGYGYQGADV AGNR										Mascot
	2174.0989	2174.054	-0.0449	-21	277	297	LDHAVLVVGYGYQGADV AGNR	118	100								Mascot
	2278.0015	2277.9534	-0.0481	-21	135	154	QCGSCWSFSSTGALEG QLFR					Carbamidomethyl (C)[2,5]					Mascot
	2555.2024	2555.1978	-0.0046	-2	101	122	TSQGPLFMEPSFFAAPQ QVDWR					Oxidation (M)[8]					Mascot
2	hypothetical protein LOC564906 [Danio rerio]					gi 156739281	38003.1	6.31	10	234	100	184	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1017.5727	1017.5524	-0.0203	-20	224	232	ITGFVDIPR						Mascot
1090.535	1090.5143	-0.0207	-19	49	56	MIWEENLR						Mascot
1106.5299	1106.5144	-0.0155	-14	49	56	MIWEENLR				Oxidation (M)[1]		Mascot
1190.5436	1190.5254	-0.0182	-15	38	47	SYHEDVEVGR						Mascot
1218.63	1218.6534	0.0234	19	49	57	MIWEENLRK						Mascot
1346.6448	1346.6226	-0.0222	-16	38	48	SYHEDVEVGRR						Mascot
1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR	66	99.994				Mascot
1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR						Mascot
1854.7091	1854.6736	-0.0355	-19	74	88	MGMNQFGDMTNEEFR				Oxidation (M)[1,3,9]		Mascot
2174.0989	2174.054	-0.0449	-21	276	296	LDHAVLVVGYGYQGADV AGNR						Mascot
2174.0989	2174.054	-0.0449	-21	276	296	LDHAVLVVGYGYQGADV AGNR	118	100				Mascot
2278.0015	2277.9534	-0.0481	-21	135	154	QCGSCWSFSSTGALEG QLFR				Carbamidomethyl (C)[2,5]		Mascot
2555.2024	2555.1978	-0.0046	-2	101	122	TSQGPLFMEPSFFAAPQ QVDWR				Oxidation (M)[8]		Mascot

3 hypothetical protein LOC564835 [Danio rerio] gi|157787177 38057.1 6.2 9 229 100 184 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1017.5727	1017.5524	-0.0203	-20	224	232	ITGFVDIPR						Mascot
1090.535	1090.5143	-0.0207	-19	49	56	MIWEENLR						Mascot
1106.5299	1106.5144	-0.0155	-14	49	56	MIWEENLR				Oxidation (M)[1]		Mascot

1190.5436	1190.5254	-0.0182	-15	38	47	SYHEDVEVGR											Mascot
1218.63	1218.6534	0.0234	19	49	57	MIWEENLRK											Mascot
1346.6448	1346.6226	-0.0222	-16	38	48	SYHEDVEVGRR											Mascot
1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR	66	99.994									Mascot
1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR											Mascot
1854.7091	1854.6736	-0.0355	-19	74	88	MGMNQFGDMTNEEFR						Oxidation (M)[1,3,9]					Mascot
2174.0989	2174.054	-0.0449	-21	277	297	LDHAVLVVGYGYQGADV AGNR											Mascot
2174.0989	2174.054	-0.0449	-21	277	297	LDHAVLVVGYGYQGADV AGNR	118	100									Mascot
2278.0015	2277.9534	-0.0481	-21	135	154	QCGSCWSFSSTGALEG QLFR							Carbamidomethyl (C)[2,5]				Mascot

4 hypothetical protein LOC567623 [Danio rerio] gi|162138968 37987.1 6.31 9 228 100 184 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1090.535	1090.5143	-0.0207	-19	49	56	MIWEENLR						Mascot
1106.5299	1106.5144	-0.0155	-14	49	56	MIWEENLR				Oxidation (M)[1]		Mascot
1190.5436	1190.5254	-0.0182	-15	38	47	SYHEDVEVGR						Mascot
1218.63	1218.6534	0.0234	19	49	57	MIWEENLRK						Mascot
1346.6448	1346.6226	-0.0222	-16	38	48	SYHEDVEVGRR						Mascot
1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR	66	99.994				Mascot
1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR						Mascot
1854.7091	1854.6736	-0.0355	-19	74	88	MGMNQFGDMTNEEFR				Oxidation (M)[1,3,9]		Mascot
2174.0989	2174.054	-0.0449	-21	277	297	LDHAVLVVGYGYQGADV AGNR						Mascot
2174.0989	2174.054	-0.0449	-21	277	297	LDHAVLVVGYGYQGADV AGNR	118	100				Mascot
2278.0015	2277.9534	-0.0481	-21	135	154	QCGSCWSFSSTGALEG QLFR				Carbamidomethyl (C)[2,5]		Mascot
2555.2024	2555.1978	-0.0046	-2	101	122	TSQGPLFMEPSFFAAPQ QVDWR				Oxidation (M)[8]		Mascot

5 hypothetical protein LOC569326 [Danio rerio] gi|156739289 37972.2 6.45 9 225 100 184 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1017.5727	1017.5524	-0.0203	-20	224	232	ITGFVDIPR						Mascot
1090.535	1090.5143	-0.0207	-19	49	56	MIWEENLR						Mascot
1106.5299	1106.5144	-0.0155	-14	49	56	MIWEENLR				Oxidation (M)[1]		Mascot
1190.5436	1190.5254	-0.0182	-15	38	47	SYHEDVEVGR						Mascot
1218.63	1218.6534	0.0234	19	49	57	MIWEENLRK						Mascot

	1346.6448	1346.6226	-0.0222	-16	38	48	SYHEDVEVGRR										Mascot
	1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR	66	99.994								Mascot
	1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR										Mascot
	1854.7091	1854.6736	-0.0355	-19	74	88	MGMNQFGDMTNEEFR			Oxidation (M)[1,3,9]							Mascot
	2174.0989	2174.054	-0.0449	-21	276	296	LDHAVLVVGYGYQGADV AGNR										Mascot
	2174.0989	2174.054	-0.0449	-21	276	296	LDHAVLVVGYGYQGADV AGNR	118	100								Mascot
	2278.0015	2277.9534	-0.0481	-21	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]							Mascot
6	cathepsin L, 1 b [Danio rerio]				gi 18858809		38005.1	5.99	8	222	100	184	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1090.535	1090.5143	-0.0207	-19	49	56	MIWEENLR							Mascot
1106.5299	1106.5144	-0.0155	-14	49	56	MIWEENLR				Oxidation (M)[1]			Mascot
1190.5436	1190.5254	-0.0182	-15	38	47	SYHEDVEVGR							Mascot
1218.63	1218.6534	0.0234	19	49	57	MIWEENLRK							Mascot
1346.6448	1346.6226	-0.0222	-16	38	48	SYHEDVEVGRR							Mascot
1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR	66	99.994					Mascot
1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR							Mascot
1854.7091	1854.6736	-0.0355	-19	74	88	MGMNQFGDMTNEEFR				Oxidation (M)[1,3,9]			Mascot
2174.0989	2174.054	-0.0449	-21	277	297	LDHAVLVVGYGYQGADV AGNR							Mascot
2174.0989	2174.054	-0.0449	-21	277	297	LDHAVLVVGYGYQGADV AGNR	118	100					Mascot
2278.0015	2277.9534	-0.0481	-21	135	154	QCGSCWSFSSTGALEG QLFR				Carbamidomethyl (C)[2,5]			Mascot

7 hypothetical protein LOC563390 [Danio rerio] gi|156739275 38057.1 6.31 8 219 100 184 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1017.5727	1017.5524	-0.0203	-20	224	232	ITGFVDIPR							Mascot
1090.535	1090.5143	-0.0207	-19	49	56	MIWEENLR							Mascot
1106.5299	1106.5144	-0.0155	-14	49	56	MIWEENLR				Oxidation (M)[1]			Mascot
1218.63	1218.6534	0.0234	19	49	57	MIWEENLRK							Mascot
1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR	66	99.994					Mascot
1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR							Mascot
1854.7091	1854.6736	-0.0355	-19	74	88	MGMNQFGDMTNEEFR				Oxidation (M)[1,3,9]			Mascot

	2174.0989	2174.054	-0.0449	-21	276	296	LDHAVLVVGYGYQGADV AGNR							Mascot
	2174.0989	2174.054	-0.0449	-21	276	296	LDHAVLVVGYGYQGADV AGNR	118	100					Mascot
	2278.0015	2277.9534	-0.0481	-21	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]				Mascot
	2555.2024	2555.1978	-0.0046	-2	101	122	TSQGPLFMEPSFFAAPQ QVDWR			Oxidation (M)[8]				Mascot
8	PREDICTED: cathepsin L1-like [Danio rerio]				gi 326672302		37980.1	6.45	8	217	100	184	100	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1090.535	1090.5143	-0.0207	-19	49	56	MIWEENLR						Mascot
	1106.5299	1106.5144	-0.0155	-14	49	56	MIWEENLR				Oxidation (M)[1]		Mascot
	1190.5436	1190.5254	-0.0182	-15	38	47	SYHEDVEVGR						Mascot
	1218.63	1218.6534	0.0234	19	49	57	MIWEENLRK						Mascot
	1346.6448	1346.6226	-0.0222	-16	38	48	SYHEDVEVGRR						Mascot
	1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR	66	99.994				Mascot
	1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR						Mascot
	1854.7091	1854.6736	-0.0355	-19	74	88	MGMNQFGDMTNEEFR				Oxidation (M)[1,3,9]		Mascot
	2174.0989	2174.054	-0.0449	-21	276	296	LDHAVLVVGYGYQGADV AGNR						Mascot
	2174.0989	2174.054	-0.0449	-21	276	296	LDHAVLVVGYGYQGADV AGNR	118	100				Mascot
	2278.0015	2277.9534	-0.0481	-21	135	154	QCGSCWSFSSTGALEG QLFR				Carbamidomethyl (C)[2,5]		Mascot

9	phosphotriesterase-related protein [Danio rerio]				gi 113679255		39153	6.09	10	175	100	122	100	
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	850.4933	850.5277	0.0344	40	344	349	RWLTFK						Mascot
	982.6043	982.5798	-0.0245	-25	337	344	ILIENPKR						Mascot
	1195.6542	1195.6311	-0.0231	-19	183	193	VLQATAHAQTR						Mascot
	1218.6775	1218.6534	-0.0241	-20	194	204	LGCPVIIHPGR				Carbamidomethyl (C)[3]		Mascot
	1269.611	1269.5902	-0.0208	-16	283	292	FLIQEGYEDR						Mascot
	1269.611	1269.5902	-0.0208	-16	283	292	FLIQEGYEDR	54	99.896				Mascot
	1549.7645	1549.7361	-0.0284	-18	234	246	SIYDHGELLEAFAR						Mascot
	1549.7645	1549.7361	-0.0284	-18	234	246	SIYDHGELLEAFAR	68	99.996				Mascot
	1652.8966	1652.8668	-0.0298	-18	8	22	VQTVLGQIEPDQLGR						Mascot
	2010.0502	2010.0078	-0.0424	-21	145	163	LTDVIVSEVLHGADGTDI R						Mascot

	2490.1895	2490.1436	-0.0459	-18	116	138	ETGVHVIAGAGYYVDVTH SEETR								Mascot
	2618.2844	2618.2339	-0.0505	-19	116	139	ETGVHVIAGAGYYVDVTH SEETRK								Mascot
10	novel protein similar to vertebrate phosphotriesterase related (PTER) [Danio rerio]				gi 122891390	40580.8	6.34	10	174	100	122	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4933	850.5277	0.0344	40	356	361	RWLTFK					Mascot
982.6043	982.5798	-0.0245	-25	349	356	ILIENPKR					Mascot
1195.6542	1195.6311	-0.0231	-19	195	205	VLQATAHAQTR					Mascot
1218.6775	1218.6534	-0.0241	-20	206	216	LGCPVIIHPGR			Carbamidomethyl (C)[3]		Mascot
1269.611	1269.5902	-0.0208	-16	295	304	FLIQEGYEDR					Mascot
1269.611	1269.5902	-0.0208	-16	295	304	FLIQEGYEDR	54	99.896			Mascot
1549.7645	1549.7361	-0.0284	-18	246	258	SIYDHGELLE FAR					Mascot
1549.7645	1549.7361	-0.0284	-18	246	258	SIYDHGELLE FAR	68	99.996			Mascot
1652.8966	1652.8668	-0.0298	-18	20	34	VQTVLGQIEPDQLGR					Mascot
2010.0502	2010.0078	-0.0424	-21	157	175	LTDVIVSEVLHGADGTDI R					Mascot
2490.1895	2490.1436	-0.0459	-18	128	150	ETGVHVIAGAGYYVDVTH SEETR					Mascot
2618.2844	2618.2339	-0.0505	-19	128	151	ETGVHVIAGAGYYVDVTH SEETRK					Mascot

11	UDP-glucose 4-epimerase [Danio rerio]				gi 94536900	38812.5	6.27	11	166	100	106	100		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
879.4206	879.405	-0.0156	-18	321	327	AEFDLER					Mascot
931.5359	931.5195	-0.0164	-18	291	298	IAYQIAPR					Mascot
986.5417	986.5226	-0.0191	-19	176	183	DWNAVLLR					Mascot
1059.631	1059.6097	-0.0213	-20	290	298	KIAYQIAPR					Mascot
1100.5444	1100.5247	-0.0197	-18	161	168	YFIEEMIR					Mascot
1116.5394	1116.5194	-0.02	-18	161	168	YFIEEMIR			Oxidation (M)[6]		Mascot
1184.627	1184.6062	-0.0208	-18	92	102	AVGESVEQPLR					Mascot
1818.8802	1818.843	-0.0372	-20	169	183	DQCTAEKDWNAVLLR			Carbamidomethyl (C)[3]		Mascot
1948.8779	1948.8737	-0.0042	-2	161	175	YFIEEMIRDQCTAEK			Carbamidomethyl (C)[11], Oxidation (M)[6]		Mascot
1948.9148	1948.8737	-0.0411	-21	221	238	HLNVFGNDYSTPDGTGV R	108	100			Mascot
2081.1172	2081.0747	-0.0425	-20	106	124	VNLTGTINLLEVMQSHGV R					Mascot

	2097.1121	2097.0737	-0.0384	-18	106	124	VNLTGTINLLEVMSHGV R						Oxidation (M)[13]	Mascot
	2211.0862	2211.0601	-0.0261	-12	141	160	LPIDEQHPVGGCTNPYG KTK						Carbamidomethyl (C)[12]	Mascot
12	3-hydroxyisobutyryl-Coenzyme A hydrolase [Danio rerio]				gi 169154367	42386	8.5	9	112	100	78	100		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
966.4461	966.4284	-0.0177	-18	91	99	AFCAGGDIR				Carbamidomethyl (C)[3]		Mascot
1059.4711	1059.6097	0.1386	131	23	31	IHGHMMSSK				Oxidation (M)[5,6]		Mascot
1068.6523	1068.6326	-0.0197	-18	44	53	AGVITLNRPK						Mascot
1226.6165	1226.5934	-0.0231	-19	107	117	AGDSLSQVFFR	78		100			Mascot
1226.6165	1226.5934	-0.0231	-19	107	117	AGDSLSQVFFR						Mascot
1245.6984	1245.6757	-0.0227	-18	54	64	ALNALTLMIR				Oxidation (M)[9]		Mascot
1353.7195	1353.6583	-0.0612	-45	2	13	SMSLIIFTSQR						Mascot
1549.7791	1549.7361	-0.043	-28	91	106	AFCAGGDIRAIEAGK						Mascot
1549.7791	1549.7361	-0.043	-28	91	106	AFCAGGDIRAIEAGK						Mascot
1606.8005	1606.8389	0.0384	24	91	106	AFCAGGDIRAIEAGK				Carbamidomethyl (C)[3]		Mascot
1762.9585	1762.9209	-0.0376	-21	269	284	LFSAGSVEEIVENLKK						Mascot
2555.3003	2555.1978	-0.1025	-40	161	184	TLFAMPETGIGLFPDVGG GYFLPR						Mascot
2571.2952	2571.2419	-0.0533	-21	161	184	TLFAMPETGIGLFPDVGG GYFLPR				Oxidation (M)[5]		Mascot

13	PREDICTED: cathepsin L1 [Danio rerio]				gi 189525870	38017.2	6.36	7	92	99.997	66	99.994		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1090.535	1090.5143	-0.0207	-19	49	56	MIWEENLR						Mascot
1106.5299	1106.5144	-0.0155	-14	49	56	MIWEENLR				Oxidation (M)[1]		Mascot
1190.5436	1190.5254	-0.0182	-15	38	47	SYHEDVEVGR						Mascot
1218.63	1218.6534	0.0234	19	49	57	MIWEENLRK						Mascot
1346.6448	1346.6226	-0.0222	-16	38	48	SYHEDVEVGRR						Mascot
1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR	66		99.994			Mascot
1498.7173	1498.6904	-0.0269	-18	196	208	GLDSEQSYPYLAR						Mascot
1854.7091	1854.6736	-0.0355	-19	74	88	MGMNQFGDMTNEEFR				Oxidation (M)[1,3,9]		Mascot
2278.0015	2277.9534	-0.0481	-21	135	154	QCGSCWSFSSTGALEG QLFR				Carbamidomethyl (C)[2,5]		Mascot

14	PREDICTED: dynein heavy chain 3, axonemal [Danio rerio]				gi 326679902	436828.9	5.36	33	48	24.426				
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Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
870.5043	870.5258	0.0215	25	248	254 LKLEDPR				Mascot
966.4634	966.4284	-0.035	-36	2334	2341 IEVVEMCK		Oxidation (M)[6]		Mascot
982.4662	982.5798	0.1136	116	2864	2871 QQGVEYMK				Mascot
996.4489	996.5789	0.13	130	2428	2435 QTDQMMVK		Oxidation (M)[5]		Mascot
996.4489	996.5789	0.13	130	2428	2435 QTDQMMVK		Oxidation (M)[5]		Mascot
1051.5531	1051.6956	0.1425	136	452	460 HTSEVTIHK				Mascot
1058.436	1058.5037	0.0677	64	2178	2185 NYSMSDWR				Mascot
1059.5581	1059.6097	0.0516	49	789	796 AWEEKLQR				Mascot
1068.5507	1068.6326	0.0819	77	2502	2511 TMQNPPGPVK				Mascot
1090.5316	1090.5143	-0.0173	-16	1688	1695 NKFDTFYR				Mascot
1116.5756	1116.5194	-0.0562	-50	2385	2393 SEVNELRNR				Mascot
1141.4943	1141.5448	0.0505	44	3253	3263 FADDLGMGGSR		Oxidation (M)[7]		Mascot
1184.5724	1184.6062	0.0338	29	2512	2521 LVMESICVMK		Oxidation (M)[3,9]		Mascot
1195.6139	1195.6311	0.0172	14	2605	2614 AMEVYERVAK				Mascot
1214.6932	1214.5913	-0.1019	-84	1404	1413 LQPVPWFISK				Mascot
1226.678	1226.5934	-0.0846	-69	2554	2563 FLESLKTFNK				Mascot
1226.678	1226.5934	-0.0846	-69	2554	2563 FLESLKTFNK				Mascot
1269.5052	1269.5902	0.085	67	21	30 FQGDEEEMER				Mascot
1269.5052	1269.5902	0.085	67	21	30 FQGDEEEMER				Mascot
1353.6508	1353.6583	0.0075	6	2537	2547 MIEDFWGPSKK		Oxidation (M)[1]		Mascot
1355.5719	1355.6183	0.0464	34	985	995 QGMEQYSEMPR				Mascot
1498.8264	1498.6904	-0.136	-91	1864	1876 EIYGAQPPIELLR				Mascot
1498.8264	1498.6904	-0.136	-91	1864	1876 EIYGAQPPIELLR				Mascot
1549.7787	1549.7361	-0.0426	-27	1535	1548 LCLMSGEIIQMSPK				Mascot
1549.7787	1549.7361	-0.0426	-27	1535	1548 LCLMSGEIIQMSPK				Mascot
1606.8002	1606.8389	0.0387	24	1535	1548 LCLMSGEIIQMSPK		Carbamidomethyl (C)[2]		Mascot
1620.9076	1620.8284	-0.0792	-49	193	206 LFRCVAALMSLQLR				Mascot
1715.8521	1715.9111	0.059	34	3551	3566 SPQEVVDELAEGMLAK				Mascot
1762.7999	1762.9209	0.121	69	2733	2745 VECQQQWLELCNR		Carbamidomethyl (C)[3,11]		Mascot
1854.9088	1854.6736	-0.2352	-127	2334	2348 IEVVEMCKTFQESVR		Carbamidomethyl (C)[7]		Mascot
1948.8705	1948.8737	0.0032	2	3719	3734 QETHMEEKPEDGAYIR		Oxidation (M)[5]		Mascot
1949.0577	1948.8737	-0.184	-94	3385	3400 LLFGLCFFHALVQERR				Mascot
2009.9307	2010.0078	0.0771	38	1893	1911 LDIEDVLYMSAMGPPGG		Oxidation (M)[9,12]		Mascot

	2080.9136	2081.0747	0.1611	77	1170	1187	GR QCVVFNCSDGLDYKAMS K	Carbamidomethyl (C)[2], Oxidation (M)[16]	Mascot			
	2278.1755	2277.9534	-0.2221	-97	962	980	GMVEKWLLQVENTMLMS IR		Mascot			
	2284.2151	2284.1274	-0.0877	-38	1696	1715	NLLMGITDHPRMSVKL TK	Oxidation (M)[4,14]	Mascot			
	2300.0701	2300.1282	0.0581	25	2294	2312	MFPSLINCCTIDWFQAWP K		Mascot			
	2490.1782	2490.1436	-0.0346	-14	2068	2089	VEDDSIRSLFFGDYSKPD SANK		Mascot			
	2571.2837	2571.2419	-0.0418	-16	3356	3378	ANLLRSYLSDPISDPTFF NSSAR		Mascot			
15	PREDICTED: transmembrane protease serine 9 [Danio rerio]						gi 326678421	85296	6.21	13	45	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
966.4526	966.4284	-0.0242	-25	65	72	YNADLQDK					Mascot
986.6244	986.5226	-0.1018	-103	377	385	AIVKIISK					Mascot
1059.5073	1059.6097	0.1024	97	582	590	CGATLIHCK			Carbamidomethyl (C)[1,8]		Mascot
1232.5464	1232.5731	0.0267	22	532	542	VIDCPNEADEK					Mascot
1279.7157	1279.7528	0.0371	29	458	467	LRNWIVSYTK					Mascot
1355.6855	1355.6183	-0.0672	-50	240	250	HGEFPWQVSLR					Mascot
1392.6246	1392.7068	0.0822	59	732	745	DTCLGDSGGPLVCR					Mascot
1900.901	1900.7697	-0.1313	-69	266	281	WLVSAAHCFEVENNPK			Carbamidomethyl (C)[8]		Mascot
1948.8488	1948.8737	0.0249	13	411	430	VDSCQGDSGGPLACEVA AGR			Carbamidomethyl (C)[4]		Mascot
1948.8488	1948.8737	0.0249	13	411	430	VDSCQGDSGGPLACEVA AGR			Carbamidomethyl (C)[4]		Mascot
2173.9487	2174.054	0.1053	48	525	542	INPECDRVIDCPNEADEK			Carbamidomethyl (C)[5,11]		Mascot
2173.9487	2174.054	0.1053	48	525	542	INPECDRVIDCPNEADEK			Carbamidomethyl (C)[5,11]		Mascot
2210.8975	2211.0601	0.1626	74	712	731	AYGAELTDNMMCAGYM EGQR					Mascot
2278.0776	2277.9534	-0.1242	-55	390	410	SSVYRGALTQNMCCAGF LQ GK			Oxidation (M)[12]		Mascot
2283.0947	2283.1331	0.0384	17	313	332	YDPMTTDSDVTVLELETP LK			Oxidation (M)[4]		Mascot
2283.0947	2283.1331	0.0384	17	313	332	YDPMTTDSDVTVLELETP LK			Oxidation (M)[4]		Mascot
2283.9138	2284.1274	0.2136	94	712	731	AYGAELTDNMMCAGYM EGQR			Carbamidomethyl (C)[12], Oxidation (M)[10]		Mascot
2299.9087	2300.1282	0.2195	95	712	731	AYGAELTDNMMCAGYM EGQR			Carbamidomethyl (C)[12], Oxidation (M)[10,11]		Mascot

16 ADP/ATP translocase 1 [Danio rerio] gi|47550717 32667.2 9.74 9 44 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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856.4998	856.5107	0.0109	13	73	80	GNLANVIR						Mascot
879.4028	879.405	0.0022	3	253	259	GTIDCWK				Carbamidomethyl (C)[5]		Mascot
931.5029	931.5195	0.0166	18	53	60	GIIDCVVR				Carbamidomethyl (C)[5]		Mascot
996.4536	996.5789	0.1253	126	237	244	RMMMQSGR						Mascot
996.4536	996.5789	0.1253	126	237	244	RMMMQSGR						Mascot
1195.5775	1195.6311	0.0536	45	153	163	EFTGLGNCVAK				Carbamidomethyl (C)[8]		Mascot
1269.7347	1269.5902	-0.1445	-114	53	63	GIIDCVVRIPK				Carbamidomethyl (C)[5]		Mascot
1269.7347	1269.5902	-0.1445	-114	53	63	GIIDCVVRIPK				Carbamidomethyl (C)[5]		Mascot
2010.0146	2010.0078	-0.0068	-3	44	60	QITADMQYKGIIDCVVR				Carbamidomethyl (C)[14]		Mascot
2283.2053	2283.1331	-0.0722	-32	1	23	MSDAAISFLKDFLAGGVA AAISK						Mascot
2283.2053	2283.1331	-0.0722	-32	1	23	MSDAAISFLKDFLAGGVA AAISK						Mascot
2284.2236	2284.1274	-0.0962	-42	73	92	GNLANVIRYFPTQALNFA FK						Mascot

17 SH3 domain-binding protein 4-A [Danio rerio] gi|45387913 104947.5 7.73 16 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5822	842.4951	-0.0871	-103	634	640	LIKTVIR					Mascot
850.4338	850.5277	0.0939	110	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.5258	0.0532	61	1	7	MAAHRIR			Oxidation (M)[1]		Mascot
982.539	982.5798	0.0408	42	545	552	LIYMISSR					Mascot
986.6244	986.5226	-0.1018	-103	771	779	VASVLEKLK					Mascot
1045.4796	1045.5437	0.0641	61	762	770	AELDSEPER					Mascot
1218.6398	1218.6534	0.0136	11	347	357	CSTVSPVEIK			Carbamidomethyl (C)[1]		Mascot
1232.6674	1232.5731	-0.0943	-77	723	732	FLTYIYASVR					Mascot
1346.6885	1346.6226	-0.0659	-49	733	743	TILMENLGNWR					Mascot
1355.5818	1355.6183	0.0365	27	780	790	EDCLNMETKEK			Oxidation (M)[6]		Mascot
1620.8591	1620.8284	-0.0307	-19	554	567	ADEISDFTLRVQVK					Mascot
1900.9724	1900.7697	-0.2027	-107	60	76	EVVAIKDYCPSSFTTLK					Mascot
2081.0188	2081.0747	0.0559	27	373	390	VSMTRTESPMAEIVCVR			Carbamidomethyl (C)[16], Oxidation (M)[4]		Mascot
2097.0137	2097.0737	0.06	29	373	390	VSMTRTESPMAEIVCVR			Carbamidomethyl (C)[16], Oxidation (M)[4,11]		Mascot
2284.2368	2284.1274	-0.1094	-48	463	484	TVVAIFGHDCAPKTLVLS EVGK					Mascot
2300.0686	2300.1282	0.0596	26	568	587	DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5]		Mascot
2490.1221	2490.1436	0.0215	9	80	100	GDHLYVLDTSNGEWWY AHNNR					Mascot

18 WD repeat-containing protein 8 [Danio rerio] gi|41054037 50956.6 6.09 10 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.4355	870.5258	0.0903	104	2	8	NFSEVFK					Mascot
1017.4709	1017.5524	0.0815	80	1	8	MNFSEVFK			Oxidation (M)[1]		Mascot
1116.5507	1116.5194	-0.0313	-28	22	30	YLATCVQYR					Mascot
1232.6481	1232.5731	-0.075	-61	87	98	IDEGSIGLVSSR					Mascot
1269.6198	1269.5902	-0.0296	-23	376	385	CFWWDPHLPR					Mascot
1269.6198	1269.5902	-0.0296	-23	376	385	CFWWDPHLPR					Mascot
1279.7633	1279.7528	-0.0105	-8	247	256	VRILNHITWK					Mascot
1715.8962	1715.9111	0.0149	9	257	271	KITEFEHPATITNSK					Mascot
1818.8513	1818.843	-0.0083	-5	1	15	MNFSEVFKQSNQLCK			Oxidation (M)[1]		Mascot
2081.0386	2081.0747	0.0361	17	70	86	RGLVQVWSLEQPDWHC K					Mascot
2284.0525	2284.1274	0.0749	33	155	172	DCKDYISVFCDDWHLL R			Carbamidomethyl (C)[2]		Mascot

19 WD repeat domain 8 [Danio rerio] gi|159155126 50930.5 6.22 10 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.4355	870.5258	0.0903	104	2	8	NFSEVFK					Mascot
1017.4709	1017.5524	0.0815	80	1	8	MNFSEVFK			Oxidation (M)[1]		Mascot
1116.5507	1116.5194	-0.0313	-28	22	30	YLATCVQYR					Mascot
1232.6481	1232.5731	-0.075	-61	87	98	IDEGSIGLVSSR					Mascot
1269.6198	1269.5902	-0.0296	-23	376	385	CFWWDPHLPR					Mascot
1269.6198	1269.5902	-0.0296	-23	376	385	CFWWDPHLPR					Mascot
1279.7633	1279.7528	-0.0105	-8	247	256	VRILNHITWK					Mascot
1715.8962	1715.9111	0.0149	9	257	271	KITEFEHPATITNSK					Mascot
1818.8513	1818.843	-0.0083	-5	1	15	MNFSEVFKQSNQLCK			Oxidation (M)[1]		Mascot
2081.0386	2081.0747	0.0361	17	70	86	RGLVQVWSLEQPDWHC K					Mascot
2284.0525	2284.1274	0.0749	33	155	172	DCKDYISVFCDDWHLL R			Carbamidomethyl (C)[2]		Mascot

20 RecName: Full=Cytosolic sulfotransferase 3; AltName: gi|51701992 35354.4 6.97 8 40 0
Full=SULT1 ST3

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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1059.4663	1059.6097	0.1434	135	2	10	EISDFSSMK	Oxidation (M)[8]	Mascot
1190.5068	1190.5254	0.0186	16	1	10	MEISDFSSMK	Oxidation (M)[1]	Mascot
1948.9143	1948.8737	-0.0406	-21	242	257	QNKMTNYSTIPVMDFK	Oxidation (M)[4,13]	Mascot
1948.9143	1948.8737	-0.0406	-21	242	257	QNKMTNYSTIPVMDFK	Oxidation (M)[4,13]	Mascot
2009.9657	2010.0078	0.0421	21	174	189	NVFGPWYDHSVNGYWKK		Mascot
2225.0623	2225.0759	0.0136	6	272	289	NHFTVAQNEQFDEVYKQ		Mascot
2225.0623	2225.0759	0.0136	6	272	289	NHFTVAQNEQFDEVYKQ		Mascot
2278.1069	2277.9534	-0.1535	-67	245	263	MTNYSTIPVMDFKISPFM		Mascot
2490.0952	2490.1436	0.0484	19	191	210	QTYSNILYMFYEDMVENT	Oxidation (M)[9]	Mascot
2618.1902	2618.2339	0.0437	17	190	210	KQTYSNILYMFYEDMVEN	Oxidation (M)[10]	Mascot

21 PREDICTED: interferon-induced very large GTPase 1-like [Danio rerio] gi|326676497 194760.8 7 23 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
931.4631	931.5195	0.0564	61	561	567	QNIEHYK				Mascot
966.5366	966.4284	-0.1082	-112	1450	1457	HLNDIINK				Mascot
982.5679	982.5798	0.0119	12	378	386	EPIAVANLR				Mascot
986.5629	986.5226	-0.0403	-41	483	491	HSTSVSIKK				Mascot
1059.5581	1059.6097	0.0516	49	560	567	KQNIEHYK				Mascot
1068.5242	1068.6326	0.1084	101	17	25	EKTESVTMK		Oxidation (M)[8]		Mascot
1090.5051	1090.5143	0.0092	8	86	94	WTDPIITDDK				Mascot
1100.5769	1100.5247	-0.0522	-47	1185	1193	LLHSNLEMK		Oxidation (M)[8]		Mascot
1106.5146	1106.5144	-0.0002	0	1049	1058	CEADNELGKK				Mascot
1184.6494	1184.6062	-0.0432	-36	1229	1238	NSLRPAERNK				Mascot
1218.5758	1218.6534	0.0776	64	1011	1019	KHMIDWCTK		Carbamidomethyl (C)[7]		Mascot
1232.6368	1232.5731	-0.0637	-52	44	54	ATINTILEDK				Mascot
1245.681	1245.6757	-0.0053	-4	1227	1236	FRNSLRPAER				Mascot
1279.6827	1279.7528	0.0701	55	1478	1488	FVTNVCKNLNK				Mascot
1498.631	1498.6904	0.0594	40	1562	1575	KCPFCMAPCEAGGK		Carbamidomethyl (C)[2]		Mascot
1498.631	1498.6904	0.0594	40	1562	1575	KCPFCMAPCEAGGK		Carbamidomethyl (C)[2]		Mascot
1652.7803	1652.8668	0.0865	52	1640	1653	IQPDSSIEATDYWK				Mascot
2081.0708	2081.0747	0.0039	2	646	663	KLENHIANSSLGVQHFMR				Mascot
2097.0657	2097.0737	0.008	4	646	663	KLENHIANSSLGVQHFMR		Oxidation (M)[17]		Mascot

	2225.0828	2225.0759	-0.0069	-3	464	482	MNDDDFVAKLQMTVDEIL K						Mascot
	2225.0828	2225.0759	-0.0069	-3	464	482	MNDDDFVAKLQMTVDEIL K						Mascot
	2277.9834	2277.9534	-0.03	-13	1354	1372	AEMCAMQCFAPAVMEYI QK				Carbamidomethyl (C)[4,8]		Mascot
	2284.0913	2284.1274	0.0361	16	297	316	DCSGENSIVQTDPLISF VR				Carbamidomethyl (C)[2]		Mascot
	2300.0759	2300.1282	0.0523	23	356	375	ICNGLVEMTWYPCGKE TDK						Mascot
	2555.2302	2555.1978	-0.0324	-13	156	176	TNINMEYMLMELGLQSHL KNK				Oxidation (M)[5,8,10]		Mascot
	2618.2351	2618.2339	-0.0012	0	853	875	EVGKKPCCHFAHQNAAD VAVHDK				Carbamidomethyl (C)[7,8]		Mascot
22	olfactory receptor class A related 1 [Danio rerio]				gi 194578829		34489.4	9.57	8	40	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
938.4685	938.395	-0.0735	-78	1	8	MDLCVTIK			Oxidation (M)[1]		Mascot
996.4415	996.5789	0.1374	138	221	229	SQGSTMETR					Mascot
996.4415	996.5789	0.1374	138	221	229	SQGSTMETR					Mascot
1226.514	1226.5934	0.0794	65	295	304	MVCATSEQER			Carbamidomethyl (C)[3], Oxidation (M)[1]		Mascot
1226.514	1226.5934	0.0794	65	295	304	MVCATSEQER			Carbamidomethyl (C)[3], Oxidation (M)[1]		Mascot
1355.6447	1355.6183	-0.0264	-19	62	73	GVPQTMTVFGMR			Oxidation (M)[6,11]		Mascot
1854.7957	1854.6736	-0.1221	-66	295	310	MVCATSEQERQAEDGK			Carbamidomethyl (C)[3], Oxidation (M)[1]		Mascot
2278.2417	2277.9534	-0.2883	-127	190	210	DFAFVGAMLASSGFILLLL HR					Mascot
2283.093	2283.1331	0.0401	18	62	82	GVPQTMTVFGMRNLLDD TGCK					Mascot
2283.093	2283.1331	0.0401	18	62	82	GVPQTMTVFGMRNLLDD TGCK					Mascot
2571.4016	2571.2419	-0.1597	-62	190	212	DFAFVGAMLASSGFILLLL HRHR					Mascot

23 PREDICTED: erythroid differentiation-related factor 1-like [Danio rerio] gi|292623005 138734.1 5.35 17 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.3791	842.4951	0.116	138	191	196	EHWNEK					Mascot
850.5145	850.5277	0.0132	16	466	472	KIYGDIR					Mascot
966.5519	966.4284	-0.1235	-128	69	76	LPPANWLR					Mascot
1017.5938	1017.5524	-0.0414	-41	604	613	GLKAVDSSIK					Mascot
1045.4983	1045.5437	0.0454	43	653	661	VGPCNEELK			Carbamidomethyl (C)[4]		Mascot
1165.6099	1165.724	0.1141	98	1181	1189	EEEQVKIYK					Mascot

	1165.6099	1165.724	0.1141	98	1181	1189	EEEQVKIYK							Mascot
	1269.6157	1269.5902	-0.0255	-20	666	676	SGMLPGTWQHR							Mascot
	1269.6157	1269.5902	-0.0255	-20	666	676	SGMLPGTWQHR							Mascot
	1498.7682	1498.6904	-0.0778	-52	653	665	VGPCNEELKVPTR				Carbamidomethyl (C)[4]			Mascot
	1498.7682	1498.6904	-0.0778	-52	653	665	VGPCNEELKVPTR				Carbamidomethyl (C)[4]			Mascot
	1620.9506	1620.8284	-0.1222	-75	467	480	IYGTIRLLLLNCIK							Mascot
	1715.936	1715.9111	-0.0249	-15	473	486	TLLNLCIKLLDEDR				Carbamidomethyl (C)[6]			Mascot
	1762.9561	1762.9209	-0.0352	-20	438	452	CQNPFTLPVAVLLYK				Carbamidomethyl (C)[1]			Mascot
	1854.8572	1854.6736	-0.1836	-99	983	997	AQEQUIEREVTETMMK				Oxidation (M)[13,14]			Mascot
	1948.9731	1948.8737	-0.0994	-51	1098	1114	TLTGALEIMCETRHAFR							Mascot
	1948.9731	1948.8737	-0.0994	-51	1098	1114	TLTGALEIMCETRHAFR							Mascot
	2010.0614	2010.0078	-0.0536	-27	635	652	SPNGAREVEQEIALLLDR							Mascot
	2080.8772	2081.0747	0.1975	95	838	855	NEMGVFYMNQAAAMQA EK				Oxidation (M)[3,8,14]			Mascot
	2490.1208	2490.1436	0.0228	9	838	859	NEMGVFYMNQAAAMQA EKEGVR				Oxidation (M)[3]			Mascot
	2618.2158	2618.2339	0.0181	7	833	855	LGNI RNEMGVFYMNQAA AMQAEK				Oxidation (M)[8,13]			Mascot
24	tektin 2 [Danio rerio]				gi 37682089		48740.9	5.63	10	39	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
879.4794	879.405	-0.0744	-85	227	233	YNISRAR						Mascot
1017.5687	1017.5524	-0.0163	-16	2	11	ATLSSKPASR						Mascot
1045.5789	1045.5437	-0.0352	-34	68	75	INDITRWK						Mascot
1059.543	1059.6097	0.0667	63	384	392	QDALSLEQR						Mascot
1184.6018	1184.6062	0.0044	4	23	32	QISDTAEHKR						Mascot
1190.5834	1190.5254	-0.058	-49	234	243	EEMQASVQIR						Mascot
1245.6554	1245.6757	0.0203	16	325	334	IKRPGMDLCR			Carbamidomethyl (C)[9]			Mascot
2211.0261	2211.0601	0.034	15	271	287	RTHHEEQAHHDMQWQL K						Mascot
2278.0955	2277.9534	-0.1421	-62	327	346	RPGMDLCRDEVQFGLVD EAK						Mascot
2283.1365	2283.1331	-0.0034	-1	2	22	ATLSSKPASRYSVSDWA TNNK						Mascot
2283.1365	2283.1331	-0.0034	-1	2	22	ATLSSKPASRYSVSDWA TNNK						Mascot

25 PREDICTED: sperm-associated antigen 17 [Danio rerio] gi|326669952 169381.9 5.67 18 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
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27 tektin 2 [Danio rerio] gi|310689065 48533.7 5.63 10 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
879.4794	879.405	-0.0744	-85	224	230 YNISRRAR				Mascot
1017.5687	1017.5524	-0.0163	-16	2	11 ATLSSKPASR				Mascot
1045.5789	1045.5437	-0.0352	-34	68	75 INDITRWK				Mascot
1059.543	1059.6097	0.0667	63	381	389 QDALSLEQR				Mascot
1190.5834	1190.5254	-0.058	-49	231	240 EEMQASVQIR				Mascot
1218.5532	1218.6534	0.1002	82	23	32 QMSDTAEHKK		Oxidation (M)[2]		Mascot
1245.6554	1245.6757	0.0203	16	322	331 IKRPGMDLCR		Carbamidomethyl (C)[9]		Mascot
2211.0261	2211.0601	0.034	15	268	284 RTHHEEQAHHMQWQLK				Mascot
2278.0955	2277.9534	-0.1421	-62	324	343 RPGMDLCRDEVQFGLVDEAK				Mascot
2283.1365	2283.1331	-0.0034	-1	2	22 ATLSSKPASRYSVSDWATNNK				Mascot
2283.1365	2283.1331	-0.0034	-1	2	22 ATLSSKPASRYSVSDWATNNK				Mascot

28 PMS1 postmeiotic segregation increased 1 (S. cerevisiae) [Danio rerio] gi|169145696 98750.5 6.46 13 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
856.4384	856.5107	0.0723	84	201	207 SRVSDHR				Mascot
882.5043	882.5512	0.0469	53	3	10 ALPPETVR				Mascot
1045.575	1045.5437	-0.0313	-30	848	856 ADVTNTLRR				Mascot
1058.5476	1058.5037	-0.0439	-41	551	561 ASPQDVTAAAK				Mascot
1059.5217	1059.6097	0.088	83	156	163 RQYYSNTK				Mascot
1141.6398	1141.5448	-0.095	-83	1	10 MKALPPETVR				Mascot
1232.6304	1232.5731	-0.0573	-46	605	615 KQMSAESPLNK				Mascot
1652.8312	1652.8668	0.0356	22	63	77 ATDVSVMAVKHYTSK		Oxidation (M)[7]		Mascot
1818.9882	1818.843	-0.1452	-80	94	111 GEALASICAISEVIITTK				Mascot
1900.864	1900.7697	-0.0943	-50	857	871 MQQELQDESQVCIHR		Carbamidomethyl (C)[12]		Mascot
1949.0928	1948.8737	-0.2191	-112	697	712 LMLLNPFVVEEALLFK		Oxidation (M)[2]		Mascot
1949.0928	1948.8737	-0.2191	-112	697	712 LMLLNPFVVEEALLFK		Oxidation (M)[2]		Mascot
2225.001	2225.0759	0.0749	34	785	804 HVEVMGMADCMPPFGIGDLR				Mascot
2225.001	2225.0759	0.0749	34	785	804 HVEVMGMADCMPPFGIGDLR				Mascot

2284.23362284.1274-0.1062-46464483AFSNQITGEYLEPVKLHIPK

Mascot

29PREDICTED: A disintegrin and metalloproteinase with thrombospondin motifs 15-like [Danio rerio]gi|125837189103176.88.8915370

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.3746	842.4951	0.1205	143	1	8	MTCSTVGK			Oxidation (M)[1]		Mascot
856.4821	856.5107	0.0286	33	773	779	MTPPRVR					Mascot
879.4682	879.405	-0.0632	-72	494	500	QNTFKNK					Mascot
966.5189	966.4284	-0.0905	-94	540	547	YCQGLRVK					Mascot
1068.5176	1068.6326	0.115	108	1	10	MTCSTVGK GK			Carbamidomethyl (C)[3]		Mascot
1090.5562	1090.5143	-0.0419	-38	847	856	LIQCLGSDGK			Carbamidomethyl (C)[4]		Mascot
1392.694	1392.7068	0.0128	9	921	931	KPQELDFCTVR			Carbamidomethyl (C)[8]		Mascot
1620.8057	1620.8284	0.0227	14	292	304	HPEYWDTAILFTK					Mascot
1763.0465	1762.9209	-0.1256	-71	226	240	HYLLTLLSVTAKLYK					Mascot
1948.8164	1948.8737	0.0573	29	565	580	EEQCEMFNGFTLNTNR			Oxidation (M)[6]		Mascot
1948.8164	1948.8737	0.0573	29	565	580	EEQCEMFNGFTLNTNR			Oxidation (M)[6]		Mascot
2096.9429	2097.0737	0.1308	62	470	487	HFPWADGTACGTNKL CY R			Carbamidomethyl (C)[10]		Mascot
2211.0315	2211.0601	0.0286	13	835	856	CSVSCGNGVQSRLIQCL GSDGK					Mascot
2284.0232	2284.1274	0.1042	46	827	846	WVTADWSKCSVSCGNG VQSR			Carbamidomethyl (C)[9,13]		Mascot
2490.1555	2490.1436	-0.0119	-5	11	29	EAAMFYMQIIWQFMQNW PR					Mascot
2618.1023	2618.2339	0.1316	50	305	329	QDLCGATTCDTLGMADV GTMCDPKR			Oxidation (M)[14]		Mascot

30beta-crystallin B1 [Danio rerio]gi|5611848226797.56.449370

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
870.4679	870.5258	0.0579	67	19	28	GAPAPAATSK				Mascot
966.4964	966.4284	-0.068	-70	93	100	GEMFILEK				Mascot
982.4913	982.5798	0.0885	90	93	100	GEMFILEK			Oxidation (M)[3]	Mascot
1214.6125	1214.5913	-0.0212	-17	133	142	ICLFELSDFK				Mascot
1232.5953	1232.5731	-0.0222	-18	214	222	VRDMQFHQR			Oxidation (M)[4]	Mascot
1715.6678	1715.9111	0.2433	142	55	68	MMEVQNECMNV CER				Mascot
1900.8251	1900.7697	-0.0554	-29	216	231	DMQFHQRGCFNMTAAK			Oxidation (M)[2]	Mascot
2224.9971	2225.0759	0.0788	35	115	132	SDCLMSLRPFRMDPMEH K			Oxidation (M)[5,12]	Mascot

	2224.9971	2225.0759	0.0788	35	115	132	SDCLMSLRPFRMDPMEH K				Oxidation (M)[5,12]	Mascot
	2277.9902	2277.9534	-0.0368	-16	146	164	MEIQEDDVPTLWAHGFC DR				Oxidation (M)[1]	Mascot
	2618.1763	2618.2339	0.0576	22	143	164	GNKMEIQEDDVPTLWAH GFCDR				Carbamidomethyl (C)[20]	Mascot
31	lambda-crystallin homolog [Danio rerio]				gi 113679944		35073.1	5.96	8	37	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
870.4138	870.5258	0.112	129	256	262	YSEGMKR						Mascot
996.5333	996.5789	0.0456	46	293	300	QEHLsARR						Mascot
996.5333	996.5789	0.0456	46	293	300	QEHLsARR						Mascot
1058.5551	1058.5037	-0.0514	-49	284	292	EICELIPGK				Carbamidomethyl (C)[3]		Mascot
1184.7361	1184.6062	-0.1299	-110	8	19	IITVVGsGLIGR						Mascot
1214.674	1214.5913	-0.0827	-68	51	60	KQLEELQQAk						Mascot
1245.7235	1245.6757	-0.0478	-38	304	314	DQLLMGLAKLK				Oxidation (M)[5]		Mascot
1900.985	1900.7697	-0.2153	-113	139	154	TRCIVsHPVNPpYYVR						Mascot
2490.2942	2490.1436	-0.1506	-60	209	231	LVQDGVISVKDIDLVMSE GLGMR				Oxidation (M)[16]		Mascot

32	hypothetical protein LOC777608 [Danio rerio]				gi 118150410		85601.5	6.97	11	37	0	14	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
842.5822	842.4951	-0.0871	-103	174	180	LKSLLLR						Mascot
850.4152	850.5277	0.1125	132	700	707	SASLTDEK						Mascot
1017.5952	1017.5524	-0.0428	-42	715	722	LGQIFQRR						Mascot
1116.6809	1116.5194	-0.1615	-145	94	103	KSMNIGILLK						Mascot
1165.6034	1165.724	0.1206	103	573	582	MPDLsGKVFR				Oxidation (M)[1]		Mascot
1165.6034	1165.724	0.1206	103	573	582	MPDLsGKVFR				Oxidation (M)[1]		Mascot
1218.7126	1218.6534	-0.0592	-49	238	248	MASLLKLVDTK						Mascot
1226.6163	1226.5934	-0.0229	-19	733	743	QEGsGLVSFFR	14		0			Mascot
1226.6163	1226.5934	-0.0229	-19	733	743	QEGsGLVSFFR						Mascot
2010.0946	2010.0078	-0.0868	-43	176	191	SLLLREEFFpFIEEIK						Mascot
2233.0554	2233.0415	-0.0139	-6	669	689	DKPSFSHKSAASSSLPD CPSK				Carbamidomethyl (C)[18]		Mascot
2277.9724	2277.9534	-0.019	-8	361	377	LEECCsIFHSFCERFEK				Carbamidomethyl (C)[4,5,12]		Mascot
2490.1267	2490.1436	0.0169	7	464	484	EDNENLDSPIDSNEEKFE IPR						Mascot

33	PREDICTED: microtubule-associated tumor suppressor				gi 326674005		133795.7	6.76	15	36	0	
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candidate 2-like [Danio rerio]

Peptide Information						Ion Score	C. I. %	Modification	Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.					
842.4804	842.4951	0.0147	17	699	706	LPLGMSPK				Mascot
850.4087	850.5277	0.119	140	110	117	GALSNNMK		Oxidation (M)[7]		Mascot
931.5142	931.5195	0.0053	6	825	831	ERLMVQR				Mascot
966.4374	966.4284	-0.009	-9	118	126	KSDAESDSK				Mascot
996.5836	996.5789	-0.0047	-5	501	509	KSSPPQKPK				Mascot
996.5836	996.5789	-0.0047	-5	501	509	KSSPPQKPK				Mascot
1059.5066	1059.6097	0.1031	97	919	926	ELQEEQQR				Mascot
1090.5527	1090.5143	-0.0384	-35	355	364	FSHDSTGVIK				Mascot
1141.5736	1141.5448	-0.0288	-25	542	552	LTPYGSSTTSK				Mascot
1214.6852	1214.5913	-0.0939	-77	878	887	ERELSLQLAR				Mascot
1226.631	1226.5934	-0.0376	-31	1000	1009	NLKMAHEQQK				Mascot
1226.631	1226.5934	-0.0376	-31	1000	1009	NLKMAHEQQK				Mascot
1346.7096	1346.6226	-0.087	-65	1097	1107	MAQKNVLLER		Oxidation (M)[1]		Mascot
1715.8136	1715.9111	0.0975	57	189	203	TQSTDSWHAPLGPYR				Mascot
1854.8213	1854.6736	-0.1477	-80	28	44	HAEDSLDGDANANEIQR				Mascot
2010.0138	2010.0078	-0.006	-3	556	574	TEGSRGSPVLSSSNILYD K				Mascot
2080.9756	2081.0747	0.0991	48	899	915	WECLQGEKAQLEQSFER				Mascot

34	RecName: Full=SH3 domain-binding protein 4-A	gi 123888628	108383	7.89	16	36	0
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Peptide Information					Ion Score	C. I. % Modification	Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.				
842.5822	842.4951	-0.0871	-103	663	669 LIKTVIR			Mascot
850.4338	850.5277	0.0939	110	387	393 LSNMEIK	Oxidation (M)[4]		Mascot
870.4726	870.5258	0.0532	61	1	7 MAAHRIR	Oxidation (M)[1]		Mascot
982.539	982.5798	0.0408	42	574	581 LIYMISSR			Mascot
986.6244	986.5226	-0.1018	-103	800	808 VASVLEKLK			Mascot
1045.4796	1045.5437	0.0641	61	791	799 AELDSEPER			Mascot
1218.6398	1218.6534	0.0136	11	376	386 CSTVSPVVEIK	Carbamidomethyl (C)[1]		Mascot
1232.6674	1232.5731	-0.0943	-77	752	761 FLTYIYASVR			Mascot
1346.6885	1346.6226	-0.0659	-49	762	772 TILMENLGNWR			Mascot
1355.5818	1355.6183	0.0365	27	809	819 EDCLNMETKEK	Oxidation (M)[6]		Mascot

	1620.8591	1620.8284	-0.0307	-19	583	596	ADEISDFTLRVQVK										Mascot
	1900.9724	1900.7697	-0.2027	-107	60	76	EVVAIKDYCPSSFITLK										Mascot
	2081.0188	2081.0747	0.0559	27	402	419	VSVMTRTESPMAEIVCVR					Carbamidomethyl (C)[16], Oxidation (M)[4]					Mascot
	2097.0137	2097.0737	0.06	29	402	419	VSVMTRTESPMAEIVCVR					Carbamidomethyl (C)[16], Oxidation (M)[4, 11]					Mascot
	2284.2368	2284.1274	-0.1094	-48	492	513	TVVAIFGHDCAPKTLVS EVGK										Mascot
	2300.0686	2300.1282	0.0596	26	597	616	DDQDCILAQFCVQTPQP PPK					Carbamidomethyl (C)[5]					Mascot
	2490.1221	2490.1436	0.0215	9	80	100	GDHLYVLDTSGGWWY AHNNR										Mascot
35	protein LAP2 [Danio rerio]						gi 302129649	148528.6	5.27	17	36	0					

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1045.4731	1045.5437	0.0706	68	469	476	DEREMPPR				Oxidation (M)[5]		Mascot
	1058.5914	1058.5037	-0.0877	-83	684	692	ESKMPLIPK				Oxidation (M)[4]		Mascot
	1100.6133	1100.5247	-0.0886	-81	170	178	ENQLKMLPK						Mascot
	1116.6082	1116.5194	-0.0888	-80	170	178	ENQLKMLPK				Oxidation (M)[6]		Mascot
	1165.6323	1165.724	0.0917	79	524	534	NHIGVQDVGVK						Mascot
	1165.6323	1165.724	0.0917	79	524	534	NHIGVQDVGVK						Mascot
	1190.6198	1190.5254	-0.0944	-79	574	583	IPLKTSNMR				Oxidation (M)[9]		Mascot
	1218.5936	1218.6534	0.0598	49	766	775	WDQINMNVAK						Mascot
	1226.631	1226.5934	-0.0376	-31	1168	1177	DQVMRHIEAK						Mascot
	1226.631	1226.5934	-0.0376	-31	1168	1177	DQVMRHIEAK						Mascot
	1321.5698	1321.6422	0.0724	55	1195	1206	SPMSCTQPPMAR				Oxidation (M)[3]		Mascot
	1498.5647	1498.6904	0.1257	84	1064	1075	MPGMEGDYMTYR				Oxidation (M)[1,4,9]		Mascot
	1498.7328	1498.6904	-0.0424	-28	1182	1194	VPLMNGQMCPPVR				Carbamidomethyl (C)[9]		Mascot
	1549.6873	1549.7361	0.0488	31	357	369	LENLPEEMGDMQK				Oxidation (M)[8]		Mascot
	1549.6873	1549.7361	0.0488	31	357	369	LENLPEEMGDMQK				Oxidation (M)[8]		Mascot
	1606.6812	1606.8389	0.1577	98	1063	1075	RMPGMEGDYMTYR						Mascot
	1620.6564	1620.8284	0.172	106	1047	1062	QGS GSSGNPMCPDPR						Mascot
	1652.6461	1652.8668	0.2207	134	1047	1062	QGS GSSGNPMCPDPR				Oxidation (M)[10,12]		Mascot
	1948.9471	1948.8737	-0.0734	-38	821	837	TQSGENFNSRTDQVPLR						Mascot
	1949.0889	1948.8737	-0.2152	-110	607	623	IAEMRPPLIEISINQPK						Mascot
	2232.9907	2233.0415	0.0508	23	1042	1062	GTLQRQSGSSGNPMC MPDPR				Carbamidomethyl (C)[16]		Mascot
	2618.3796	2618.2339	-0.1457	-56	1221	1243	VSQQPPGPQRVPKETLQ QEVHVK						Mascot

36	PREDICTED: NADPH:adrenodoxin oxidoreductase, mitochondrial-like [Danio rerio]						gi 326672609	52715.3	6.97	10	35	0	3	0
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Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1100.5881	1100.5247	-0.0634	-58	369	378	KAIVPNDMGR						Mascot	
1116.583	1116.5194	-0.0636	-57	369	378	KAIVPNDMGR				Oxidation (M)[8]		Mascot	
1165.632	1165.724	0.092	79	275	284	LTDLMMKAVK				Oxidation (M)[5]		Mascot	
1165.632	1165.724	0.092	79	275	284	LTDLMMKAVK				Oxidation (M)[5]		Mascot	
1184.5657	1184.6062	0.0405	34	445	453	MVLFSEWEK				Oxidation (M)[1]		Mascot	
1195.6106	1195.6311	0.0205	17	79	89	FGVAPDHPEVK						Mascot	
1218.5684	1218.6534	0.085	70	104	114	CSFHGNVNVGK				Carbamidomethyl (C)[1]		Mascot	
1498.8409	1498.6904	-0.1505	-100	229	241	GPLQIACTIKELR	3	0		Carbamidomethyl (C)[7]		Mascot	
1498.8409	1498.6904	-0.1505	-100	229	241	GPLQIACTIKELR				Carbamidomethyl (C)[7]		Mascot	
1620.8744	1620.8284	-0.046	-28	299	313	FFRSPVEVLAVDVGK						Mascot	
2009.9709	2010.0078	0.0369	18	393	411	RGPTGVIATTMNDSFDA R						Mascot	
2174.0659	2174.054	-0.0119	-5	104	122	CSFHGNVNVGKDVIEEL R				Carbamidomethyl (C)[1]		Mascot	
2174.2119	2174.054	-0.1579	-73	70	89	LPVPFGLVRFVAPDHP EVK						Mascot	
37	spastin [Danio rerio]			gi 47086209		63100.3	9.81	10	35	0			

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1051.567	1051.6956	0.1286	122	535	543	ISDFLESLK						Mascot	
1090.5487	1090.5143	-0.0344	-32	253	263	ASTTATASPQR						Mascot	
1218.6437	1218.6534	0.0097	8	253	264	ASTTATASPQRK						Mascot	
1346.6229	1346.6226	-0.0003	0	11	24	GGRACGPVSDGSAR				Carbamidomethyl (C)[5]		Mascot	
1355.7794	1355.6183	-0.1611	-119	34	44	SLSRVPEWLLR						Mascot	
1392.7118	1392.7068	-0.005	-4	548	559	SVSPQTLQYVR						Mascot	
1715.9651	1715.9111	-0.054	-31	196	210	KDTLTITNQTSLRPK						Mascot	
2174.0798	2174.054	-0.0258	-12	347	367	AVAMESNATFFNISAATL TSK						Mascot	
2174.0798	2174.054	-0.0258	-12	347	367	AVAMESNATFFNISAATL TSK						Mascot	
2233.1421	2233.0415	-0.1006	-45	385	403	ELQPSIIFIDEIDSLLCER						Mascot	
2283.2236	2283.1331	-0.0905	-40	433	452	VLVMGATNRPQELDEAV LRR				Oxidation (M)[4]		Mascot	
2283.2236	2283.1331	-0.0905	-40	433	452	VLVMGATNRPQELDEAV LRR				Oxidation (M)[4]		Mascot	
38	alpha-(1,6)-fucosyltransferase [Danio rerio]			gi 51467976		66656.8	7.98	10	34	0			

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4315	882.5512	0.1197	136	442	448	YTENSLR					Mascot
931.5393	931.5195	-0.0198	-21	209	216	KLVCNINK					Mascot
1045.5326	1045.5437	0.0111	11	2	9	RPWTGSWR					Mascot
1058.5337	1058.5037	-0.03	-28	55	62	QQNEDLRR					Mascot
1141.5345	1141.5448	0.0103	9	32	41	DSEHAPRSSR					Mascot
1269.7313	1269.5902	-0.1411	-111	449	459	GVLDIHFLSR					Mascot
1269.7313	1269.5902	-0.1411	-111	449	459	GVLDIHFLSR					Mascot
1355.7174	1355.6183	-0.0991	-73	136	147	KLPLMETGAMHK					Mascot
1620.7509	1620.8284	0.0775	48	460	473	TNYLVCTFSSQVCR					Mascot
1818.9596	1818.843	-0.1166	-64	403	418	RVYLATDDPSLLQEAK					Mascot
2233.0229	2233.0415	0.0186	8	250	269	YATGGWETVFKPVSDTC TDR					Mascot
39	RecName: Full=Spastin			gi 226694319		63047.2	9.74	10	34	0	

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
	1051.567	1051.6956	0.1286	122	535	543	ISDFLESLK				Mascot
	1090.5487	1090.5143	-0.0344	-32	253	263	ASTTATASPQR				Mascot
	1218.6437	1218.6534	0.0097	8	253	264	ASTTATASPQRK				Mascot
	1346.6229	1346.6226	-0.0003	0	11	24	GGRACGPVSDGSAR			Carbamidomethyl (C)[5]	Mascot
	1355.7794	1355.6183	-0.1611	-119	34	44	SLSRVPEWLLR				Mascot
	1392.7118	1392.7068	-0.005	-4	548	559	SVSPQTLDQYVR				Mascot
	1715.9651	1715.9111	-0.054	-31	196	210	KDTLTITNQTSLRPK				Mascot
	2174.0798	2174.054	-0.0258	-12	347	367	AVAMESNATFFNISAATL TSK				Mascot
	2174.0798	2174.054	-0.0258	-12	347	367	AVAMESNATFFNISAATL TSK				Mascot
	2233.1421	2233.0415	-0.1006	-45	385	403	ELQPSIIFIDEIDSLLCER				Mascot
	2283.2236	2283.1331	-0.0905	-40	433	452	VLVMGATNRPQELDEAV LRR			Oxidation (M)[4]	Mascot
	2283.2236	2283.1331	-0.0905	-40	433	452	VLVMGATNRPQELDEAV LRR			Oxidation (M)[4]	Mascot
40	cirhin [Danio rerio]				gi 47086123		76848.1	8.48	11	34	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type

		850.5872	850.5277	-0.0595	-70	381	387	LLHLKVK									Mascot
		986.5265	986.5226	-0.0039	-4	627	634	SLPEEQRK									Mascot
		1106.6542	1106.5144	-0.1398	-126	565	573	LVQRQGLHR									Mascot
		1190.6277	1190.5254	-0.1023	-86	134	142	IQFERNLDR									Mascot
		1214.6204	1214.5913	-0.0291	-24	11	20	FFEYVPSGIR									Mascot
		1226.5986	1226.5934	-0.0052	-4	635	644	SYSHAFKVCK					Carbamidomethyl (C)[9]				Mascot
		1226.5986	1226.5934	-0.0052	-4	635	644	SYSHAFKVCK					Carbamidomethyl (C)[9]				Mascot
		1715.8745	1715.9111	0.0366	21	417	431	LHCDSNNVSITKISK					Carbamidomethyl (C)[3]				Mascot
		1901.0068	1900.7697	-0.2371	-125	343	358	AGTLLFQYPGHLELWR									Mascot
		2081.1138	2081.0747	-0.0391	-19	54	72	IIPGREQAGIEGLTWVGE R									Mascot
		2173.9792	2174.054	0.0748	34	36	53	MNGSVEIFHCSDRFFQE K									Mascot
		2173.9792	2174.054	0.0748	34	36	53	MNGSVEIFHCSDRFFQE K									Mascot
		2211.0242	2211.0601	0.0359	16	159	178	IAAGMMDMIQVFNVETG HSK					Oxidation (M)[5,6]				Mascot
41	PREDICTED: GTPase IMAP family member 8 [Danio rerio]							gi 68368449	45036.2	4.77	9	34	0				
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	%	Modification		Rank	Result	Type	
		842.4188	842.4951	0.0763	91	1	7	MPKGEHK					Oxidation (M)[1]				Mascot
		966.5189	966.4284	-0.0905	-94	50	57	MYQKALGR									Mascot
		982.5138	982.5798	0.066	67	50	57	MYQKALGR					Oxidation (M)[1]				Mascot
		1045.6074	1045.5437	-0.0637	-61	338	347	NMLAVLIGSK									Mascot
		1100.5582	1100.5247	-0.0335	-30	197	205	QINPEEKDK									Mascot
		1116.4999	1116.5194	0.0195	17	162	170	MCVFSKDMR									Mascot
		1141.5419	1141.5448	0.0029	3	153	161	QILHECNER									Mascot
		1269.6329	1269.5902	-0.0427	-34	32	42	CLVGNTMLAFK					Carbamidomethyl (C)[1], Oxidation (M)[7]				Mascot
		1269.6329	1269.5902	-0.0427	-34	32	42	CLVGNTMLAFK					Carbamidomethyl (C)[1], Oxidation (M)[7]				Mascot
		1321.6304	1321.6422	0.0118	9	351	361	SEKCEIENLK									Mascot
		1900.8489	1900.7697	-0.0792	-42	354	368	CEIEENLKMFLDECK					Carbamidomethyl (C)[1]				Mascot
42	PREDICTED: tripartite motif-containing protein 35 [Danio rerio]							gi 125851164	53131.6	8.03	11	34	0				
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	%	Modification		Rank	Result	Type	
		966.4713	966.4284	-0.0429	-44	234	241	ANDVCFLK					Carbamidomethyl (C)[5]				Mascot

	1045.6152	1045.5437	-0.0715	-68	57	66	GHPPVNLALK										Mascot
	1106.4718	1106.5144	0.0426	39	43	51	NTQECPVCR						Carbamidomethyl (C)[5]				Mascot
	1141.6187	1141.5448	-0.0739	-65	343	351	HCWIVEVKK										Mascot
	1165.6285	1165.724	0.0955	82	95	103	LKLFCELEDK						Carbamidomethyl (C)[5]				Mascot
	1165.6285	1165.724	0.0955	82	95	103	LKLFCELEDK						Carbamidomethyl (C)[5]				Mascot
	1195.6429	1195.6311	-0.0118	-10	316	325	KQPVLDNPER										Mascot
	1321.5988	1321.6422	0.0434	33	41	51	SKNTQECPVCR						Carbamidomethyl (C)[7]				Mascot
	1392.7787	1392.7068	-0.0719	-52	270	280	YLGNLPRVWK										Mascot
	1549.6798	1549.7361	0.0563	36	81	94	SSGSEEICSLHSEK						Carbamidomethyl (C)[8]				Mascot
	1549.6798	1549.7361	0.0563	36	81	94	SSGSEEICSLHSEK						Carbamidomethyl (C)[8]				Mascot
	1900.8932	1900.7697	-0.1235	-65	234	249	ANDVCFLKEFPVSMER						Oxidation (M)[14]				Mascot
	2081.0696	2081.0747	0.0051	2	209	226	EKLEEMNTHISALSHTIK										Mascot
	2097.0645	2097.0737	0.0092	4	209	226	EKLEEMNTHISALSHTIK						Oxidation (M)[6]				Mascot
43	Protoporphyrinogen oxidase [Danio rerio]						gi 158254356	51124.5	8.41	9	34	0					

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
986.5451	986.5226	-0.0225	-23	108	117	MPSGLGGVLR					Mascot
1141.5861	1141.5448	-0.0413	-36	249	258	NGVELHHHAK					Mascot
1190.5436	1190.5254	-0.0182	-15	49	59	DDGAVFEQGPR					Mascot
1232.715	1232.5731	-0.1419	-115	98	107	FLYVKGQLHK					Mascot
1346.6448	1346.6226	-0.0222	-16	48	59	RDDGAVFEQGPR					Mascot
1549.8632	1549.7361	-0.1271	-82	103	117	GQLHKMPISGLGGVLR					Mascot
1549.8632	1549.7361	-0.1271	-82	103	117	GQLHKMPISGLGGVLR					Mascot
1715.8745	1715.9111	0.0366	21	233	247	GMQTLPEALEDLRR					Mascot
2097.0583	2097.0737	0.0154	7	49	69	DDGAVFEQGPRGVRPG GAVGR					Mascot
2278.2158	2277.9534	-0.2624	-115	1	23	MQKVVAVLGGIGGLSA CHHLK			Oxidation (M)[1]		Mascot

44 appb [Danio rerio] gi|165993271 75993 4.8 11 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
931.438	931.5195	0.0815	87	601	608	HNAGYDVR					Mascot
1059.5979	1059.6097	0.0118	11	624	634	GAIIGLMVGGRR			Oxidation (M)[7]		Mascot
1232.598	1232.5731	-0.0249	-20	481	490	MNQLSGYLYK			Oxidation (M)[1]		Mascot

	1355.6334	1355.6183	-0.0151	-11	612	623	LMFLAEDMGSNK										Mascot
	1392.7019	1392.7068	0.0049	4	451	461	HFEHVREVDPK										Mascot
	1498.6375	1498.6904	0.0529	35	183	195	GVEFVCCPMEEQK										Mascot
	1498.6375	1498.6904	0.0529	35	183	195	GVEFVCCPMEEQK										Mascot
	1620.7084	1620.8284	0.12	74	638	650	YCHRNHSGYAQER										Mascot
	1652.8438	1652.8668	0.023	14	106	118	QCRSHTHIVVPYR					Carbamidomethyl (C)[2]					Mascot
	1762.9408	1762.9209	-0.0199	-11	651	666	SSTPLFIMELLRVDA										Mascot
	1948.9757	1948.8737	-0.102	-52	509	525	DQAEVTQQLSSLQSKMR										Mascot
	1948.9757	1948.8737	-0.102	-52	509	525	DQAEVTQQLSSLQSKMR										Mascot
	2618.064	2618.2339	0.1699	65	143	163	MDMCESHLHWHTVAKES CGDR					Carbamidomethyl (C)[4,18], Oxidation (M)[1,3]					Mascot
45	PREDICTED: kinase suppressor of Ras 2-like [Danio rerio]						gi 326671408	117980	6.39	1			19	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1549.6985	1549.7361	0.0376	24	2	15	SSVMQLPDGEMEAR	19	0		2	Mascot

46	hypothetical protein LOC767723 [Danio rerio]						gi 115495237	18179.6	8.84	1			15	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1269.6229	1269.5902	-0.0327	-26	45	54	QCQTIHGRNR	15	0	Carbamidomethyl (C)[2]	2	Mascot

47	cell division cycle and apoptosis regulator protein 1 [Danio rerio]						gi 224495988	136413.2	5.81	1			13	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1226.7216	1226.5934	-0.1282	-105	348	357	SDRPELILRK	13	0		3	Mascot

48	clathrin, heavy polypeptide b (Hc) [Danio rerio]						gi 303227979	191513.8	5.5	1			12	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1226.762	1226.5934	-0.1686	-137	1444	1453	QLPLVKPYLR	12	0		4	Mascot

49	SKI-like oncogene b [Danio rerio]						gi 194578831	70975.5	5.59	1			12	0			
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Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
1549.6378	1549.7361	0.0983	63	264	275	CSQCRMLFCTER	12	0	Carbamidomethyl (C)[1], Oxidation (M)[6]	3 Mascot
50	cysteine and glycine-rich protein 3 (cardiac LIM protein) [Danio rerio] gi 54400554 20964 8.92 1 11 0									

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
1549.7064	1549.7361	0.0297	19	16	28	TVYHAEIQCNSR	11	0		4 Mascot

Gel Idx/Pos	215/I15	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	multifunctional protein ADE2 [Danio rerio]	gi 41053415	47046.8	6.99	17	415	100	323	100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
814.4206	814.4111	-0.0095	-12	216	222	LWPAGDR	45	98.928		Mascot
814.4206	814.4111	-0.0095	-12	216	222	LWPAGDR				Mascot
842.4076	842.4996	0.092	109	60	66	TTSCVFK			Carbamidomethyl (C)[4]	Mascot
929.5414	929.5282	-0.0132	-14	258	265	LLLESQAR				Mascot
1019.5268	1019.5085	-0.0183	-18	112	120	NPGVKEGYR				Mascot
1044.5432	1044.5037	-0.0395	-38	37	46	DQITAGNAVR				Mascot
1050.5004	1050.4878	-0.0126	-12	248	255	NFEWVAER	22	0		Mascot
1050.5004	1050.4878	-0.0126	-12	248	255	NFEWVAER				Mascot
1206.6014	1206.5884	-0.013	-11	247	255	RNFEWVAER				Mascot
1218.5862	1218.5825	-0.0037	-3	80	90	QHSDTAFVASR				Mascot
1235.6881	1235.6674	-0.0207	-17	168	178	STVAIFEVLEK				Mascot
1404.6511	1404.6337	-0.0174	-12	287	298	ACASYGIPCHLR			Carbamidomethyl (C)[2,9]	Mascot
1423.7288	1423.7108	-0.018	-13	299	311	VNSAHKGPDETLR				Mascot
1532.746	1532.746	0	0	286	298	KACASYGIPCHLR			Carbamidomethyl (C)[3,10]	Mascot
1644.8228	1644.8022	-0.0206	-13	202	215	EIVLADVIDNDSWR	129	100		Mascot
1644.8228	1644.8022	-0.0206	-13	202	215	EIVLADVIDNDSWR				Mascot

2		1880.9025	1880.875	-0.0275	-15	314	331	AEYEGDGEPTIFVAVAGR										Mascot
		1952.0487	1952.0193	-0.0294	-15	20	36	QIFEILDEPGHVLVQSK										Mascot
		1994.9092	1994.9576	0.0484	24	266	283	GRVVMMGSTSDVAHC EK								Carbamidomethyl (C)[16], Oxidation (M)[6,7]		Mascot
		2122.0815	2122.0508	-0.0307	-14	312	331	IKAIEYEGDGEPTIFVAVA GR										Mascot
		2122.0815	2122.0508	-0.0307	-14	312	331	IKAIEYEGDGEPTIFVAVA GR		128	100							Mascot
2	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetas						gi 56207699	119387.4	6.08	20	388	100	323	100				

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
814.4206	814.4111	-0.0095	-12	840	846 LWPAGDR	45	98.928			Mascot
814.4206	814.4111	-0.0095	-12	840	846 LWPAGDR					Mascot
842.4076	842.4996	0.092	109	684	690 TTSCVFK			Carbamidomethyl (C)[4]		Mascot
929.5414	929.5282	-0.0132	-14	882	889 LLLESQAR					Mascot
1019.5268	1019.5085	-0.0183	-18	736	744 NPGVKEGYR					Mascot
1044.5432	1044.5037	-0.0395	-38	661	670 DQITAGNAVR					Mascot
1050.5004	1050.4878	-0.0126	-12	872	879 NFEWVAER	22	0			Mascot
1050.5004	1050.4878	-0.0126	-12	872	879 NFEWVAER					Mascot
1127.6643	1127.6427	-0.0216	-19	205	214 VSKSQGRPIR					Mascot
1127.6643	1127.6427	-0.0216	-19	205	214 VSKSQGRPIR					Mascot
1206.6014	1206.5884	-0.013	-11	871	879 RNFEWVAER					Mascot
1216.5264	1216.6183	0.0919	76	7	16 NMEPETDPQR					Mascot
1216.5264	1216.6183	0.0919	76	7	16 NMEPETDPQR					Mascot
1218.5862	1218.5825	-0.0037	-3	704	714 QHSDTAFVASR					Mascot
1235.6881	1235.6674	-0.0207	-17	792	802 STVAIFEVLEK					Mascot
1336.6903	1336.6675	-0.0228	-17	240	250 NIPNRDHLAMR					Mascot
1404.6511	1404.6337	-0.0174	-12	911	922 ACASYGIPCHLR			Carbamidomethyl (C)[2,9]		Mascot
1423.7288	1423.7108	-0.018	-13	923	935 VNSAHKGPDETLR					Mascot
1532.746	1532.746	0	0	910	922 KACASYGIPCHLR			Carbamidomethyl (C)[3,10]		Mascot
1644.8228	1644.8022	-0.0206	-13	826	839 EIVLADVIDNDSWR	129	100			Mascot
1644.8228	1644.8022	-0.0206	-13	826	839 EIVLADVIDNDSWR					Mascot
1880.9025	1880.875	-0.0275	-15	938	955 AEYEGDGEPTIFVAVAGR					Mascot
1952.0487	1952.0193	-0.0294	-15	644	660 QIFEILDEPGHVLVQSK					Mascot
1994.9092	1994.9576	0.0484	24	890	907 GRVVMMGSTSDVAHC EK			Carbamidomethyl (C)[16], Oxidation (M)[6,7]		Mascot
2122.0815	2122.0508	-0.0307	-14	936	955 IKAIEYEGDGEPTIFVA					Mascot

	2122.0815	2122.0508	-0.0307	-14	936	955	GR IKAIEYEGDGEPTIFVAVA GR	128	100				Mascot
3	citrate synthase, mitochondrial precursor [Danio rerio]				gi 41054571	51718.4	7.68	7	209	100	187	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1030.5461	1030.5696	0.0235	23	18	27	NAACVVVAAR			Carbamidomethyl (C)[4]		Mascot
1127.6571	1127.6427	-0.0144	-13	443	452	ALGFPLERPK	36	93.128			Mascot
1127.6571	1127.6427	-0.0144	-13	443	452	ALGFPLERPK					Mascot
1167.6633	1167.6489	-0.0144	-12	343	353	VVPGYGHAVLR	60	99.967			Mascot
1167.6633	1167.6489	-0.0144	-12	343	353	VVPGYGHAVLR					Mascot
1355.6776	1355.6653	-0.0123	-9	330	339	MRDYIWNTLK			Oxidation (M)[1]		Mascot
1532.7777	1532.746	-0.0317	-21	97	109	GYSIPECQQLPK			Carbamidomethyl (C)[7]		Mascot
1727.8455	1727.8198	-0.0257	-15	60	75	TSIGQITVDMVYGGM					Mascot
1743.8405	1743.8185	-0.022	-13	60	75	TSIGQITVDMVYGGM			Oxidation (M)[10]		Mascot
1759.8353	1759.8187	-0.0166	-9	60	75	TSIGQITVDMVYGGM			Oxidation (M)[10,15]		Mascot
1762.8857	1762.861	-0.0247	-14	79	94	GLVYETSVLDPDEGIR	91	100			Mascot
1762.8857	1762.861	-0.0247	-14	79	94	GLVYETSVLDPDEGIR					Mascot

4	PREDICTED: citrate synthase, mitochondrial-like [Danio gi 326679221 rerio]				gi 326679221	51750.3	7.68	7	208	100	187	100	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1030.5461	1030.5696	0.0235	23	18	27	NAACVVVAAR			Carbamidomethyl (C)[4]		Mascot
1127.6571	1127.6427	-0.0144	-13	443	452	ALGFPLERPK	36	93.128			Mascot
1127.6571	1127.6427	-0.0144	-13	443	452	ALGFPLERPK					Mascot
1167.6633	1167.6489	-0.0144	-12	343	353	VVPGYGHAVLR	60	99.967			Mascot
1167.6633	1167.6489	-0.0144	-12	343	353	VVPGYGHAVLR					Mascot
1355.6776	1355.6653	-0.0123	-9	330	339	MRDYIWNTLK			Oxidation (M)[1]		Mascot
1532.7777	1532.746	-0.0317	-21	97	109	GYSIPECQQLPK			Carbamidomethyl (C)[7]		Mascot
1727.8455	1727.8198	-0.0257	-15	60	75	TSIGQITVDMVYGGM					Mascot
1743.8405	1743.8185	-0.022	-13	60	75	TSIGQITVDMVYGGM			Oxidation (M)[10]		Mascot
1759.8353	1759.8187	-0.0166	-9	60	75	TSIGQITVDMVYGGM			Oxidation (M)[10,15]		Mascot
1762.8857	1762.861	-0.0247	-14	79	94	GLVYETSVLDPDEGIR	91	100			Mascot
1762.8857	1762.861	-0.0247	-14	79	94	GLVYETSVLDPDEGIR					Mascot

5	adenosylhomocysteinase [Danio rerio]				gi 40363541	47933.4	6.33	12	153	100	100	100	
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Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type		
874.488	874.4678	-0.0202	-23	198	205	ESLIDGIK					Mascot		
1007.5995	1007.5864	-0.0131	-13	336	344	HIIVLAEGR	59	99.957			Mascot		
1007.5995	1007.5864	-0.0131	-13	336	344	HIIVLAEGR					Mascot		
1030.5891	1030.5696	-0.0195	-19	198	206	ESLIDGIKR					Mascot		
1044.4568	1044.5037	0.0469	45	190	197	FDNLYGCR			Carbamidomethyl (C)[7]		Mascot		
1082.6317	1082.6184	-0.0133	-12	320	328	INIKPQVDR					Mascot		
1210.7266	1210.7117	-0.0149	-12	319	328	KINIKPQVDR					Mascot		
1216.6321	1216.6183	-0.0138	-11	9	19	VADISLAEWGR	41	97.639			Mascot		
1216.6321	1216.6183	-0.0138	-11	9	19	VADISLAEWGR					Mascot		
1259.5837	1259.5708	-0.0129	-10	188	197	SKFDNLYGCR			Carbamidomethyl (C)[9]		Mascot		
1438.7537	1438.7734	0.0197	14	390	402	KLDEEVAAHLDK					Mascot		
1875.9388	1875.9133	-0.0255	-14	417	432	YLGLPSEGPFKPDHYR					Mascot		
1880.8915	1880.875	-0.0165	-9	21	36	AIEIAENEMPGLMKMR			Oxidation (M)[9,13,15]		Mascot		
1994.9851	1994.9576	-0.0275	-14	269	286	EGNIFVTTTGCEDILLGR			Carbamidomethyl (C)[11]		Mascot		

6 pyruvate dehydrogenase E1 alpha 1 [Danio rerio] gi|53749653 43712.8 8.19 12 64 98.308 16 0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
874.4781	874.4678	-0.0103	-12	249	256	GDFIPGLR					Mascot
890.3937	890.3811	-0.0126	-14	271	277	FAAEHCR			Carbamidomethyl (C)[6]		Mascot
918.4791	918.4679	-0.0112	-12	123	130	AHGYTLTR					Mascot
999.4564	999.4427	-0.0137	-14	230	238	YGMGTSVER					Mascot
1019.5189	1019.5085	-0.0104	-10	136	144	EIMAELTGR					Mascot
1030.568	1030.5696	0.0016	2	382	390	GTNPWSKLK					Mascot
1035.5139	1035.5024	-0.0115	-11	136	144	EIMAELTGR			Oxidation (M)[3]		Mascot
1057.4949	1057.483	-0.0119	-11	62	69	EEGLQYYR					Mascot
1057.4949	1057.483	-0.0119	-11	62	69	EEGLQYYR	16	0			Mascot
1159.6066	1159.5892	-0.0174	-15	306	314	TREEIQEVR					Mascot
1179.5497	1179.5616	0.0119	10	257	266	VDGMDVLCVR			Carbamidomethyl (C)[8], Oxidation (M)[4]		Mascot
1320.698	1320.6808	-0.0172	-13	281	291	GPILMELQTYR					Mascot
1336.693	1336.6675	-0.0255	-19	281	291	GPILMELQTYR			Oxidation (M)[5]		Mascot
1382.7638	1382.7468	-0.017	-12	49	61	LEEGPAVQAVLTR					Mascot

		1592.691	1592.6744	-0.0166	-10	292	305	YHGHSMDPGVSYR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
814.4352	814.4111	-0.0241	-30	819	825 APRSPMR	3	0			Mascot
814.4352	814.4111	-0.0241	-30	819	825 APRSPMR					Mascot
818.4002	818.4782	0.078	95	247	252 EEREQK					Mascot
856.4094	856.5143	0.1049	122	846	852 SLHCSPR			Carbamidomethyl (C)[4]		Mascot
874.4741	874.4678	-0.0063	-7	250	256 EQKNSLR					Mascot
890.4261	890.3811	-0.045	-51	309	315 NRCSTPR			Carbamidomethyl (C)[3]		Mascot
929.4727	929.5282	0.0555	60	551	557 VTLDYYR					Mascot
1050.4772	1050.4878	0.0106	10	214	221 DEEELMR			Oxidation (M)[7]		Mascot
1050.4772	1050.4878	0.0106	10	214	221 DEEELMR			Oxidation (M)[7]		Mascot
1057.4727	1057.483	0.0103	10	712	720 SMVTETMMK					Mascot
1057.4727	1057.483	0.0103	10	712	720 SMVTETMMK					Mascot
1201.6787	1201.5469	-0.1318	-110	694	704 QTAELALTNLK					Mascot
1210.6361	1210.7117	0.0756	62	632	641 HLQVAVDLCR			Carbamidomethyl (C)[9]		Mascot
1259.6729	1259.5708	-0.1021	-81	660	670 DTEALIEEVK					Mascot
1270.7114	1270.6569	-0.0545	-43	346	355 QQLIQVEREK					Mascot
1313.7722	1313.632	-0.1402	-107	621	631 NLVAVIRCQIK			Carbamidomethyl (C)[8]		Mascot
1404.6675	1404.6337	-0.0338	-24	27	38 LMAELQEANEK					Mascot
1644.6364	1644.8022	0.1658	101	1	14 MLEESDGETEEMGR			Oxidation (M)[1,12]		Mascot
1644.6992	1644.8022	0.103	63	746	758 CDQYVTQLDEMQR			Oxidation (M)[11]		Mascot
1762.864	1762.861	-0.003	-2	101	115 LLQESANKEAEMDIR			Oxidation (M)[12]		Mascot
1762.864	1762.861	-0.003	-2	101	115 LLQESANKEAEMDIR			Oxidation (M)[12]		Mascot
2232.8469	2233.0535	0.2066	93	286	304 DREEGEDEEMDSGYN NSK					Mascot

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.4206	856.5143	0.0937	109	43	48	RCDLHR			Carbamidomethyl (C)[2]		Mascot
874.4781	874.4678	-0.0103	-12	249	256	GDFIPGLR					Mascot
999.4564	999.4427	-0.0137	-14	230	238	YGMGTSVER					Mascot

1019.5189	1019.5085	-0.0104	-10	136	144	EIMAELTGR						Mascot
1030.5792	1030.5696	-0.0096	-9	248	256	RGDFIPGLR						Mascot
1035.5139	1035.5024	-0.0115	-11	136	144	EIMAELTGR			Oxidation (M)[3]			Mascot
1159.6066	1159.5892	-0.0174	-15	306	314	TREEIQEVR						Mascot
1320.698	1320.6808	-0.0172	-13	281	291	GPILMELQTYR						Mascot
1336.693	1336.6675	-0.0255	-19	281	291	GPILMELQTYR			Oxidation (M)[5]			Mascot
1438.7437	1438.7734	0.0297	21	123	135	AHGYTYTRGVSVK						Mascot
1592.691	1592.6744	-0.0166	-10	292	305	YHGHSMSDPGVSYR						Mascot
1608.6859	1608.6705	-0.0154	-10	292	305	YHGHSMSDPGVSYR			Oxidation (M)[6]			Mascot
1644.9102	1644.8022	-0.108	-66	2	17	QNMLTVIANALKGGAK			Oxidation (M)[3]			Mascot
1644.9102	1644.8022	-0.108	-66	2	17	QNMLTVIANALKGGAK			Oxidation (M)[3]			Mascot
1759.9557	1759.8187	-0.137	-78	1	17	MQNMLTVIANALKGGAK						Mascot
2283.0842	2283.1416	0.0574	25	327	346	MISSNMASLEEIKDIDADIR			Oxidation (M)[1,6]			Mascot

9 cleavage and polyadenylation factor subunit, homolog gi|55925534 165578.5 6.7 20 52 73.186
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.4977	870.5195	0.0218	25	335	341	VMPVRPR			Oxidation (M)[2]		Mascot
874.4628	874.4678	0.005	6	266	274	SGTTAVNPK					Mascot
890.4213	890.3811	-0.0402	-45	372	378	DEDVREK					Mascot
929.4475	929.5282	0.0807	87	1033	1040	YDPQGPPR					Mascot
999.5833	999.4427	-0.1406	-141	192	199	QLLELQKK					Mascot
1019.5003	1019.5085	0.0082	8	315	323	KDNSAVEEK					Mascot
1030.5276	1030.5696	0.042	41	297	306	GQASSERPAK					Mascot
1045.5135	1045.5474	0.0339	32	1024	1032	FDAPPVMPPR			Oxidation (M)[7]		Mascot
1127.6782	1127.6427	-0.0355	-31	192	200	QLLELQKKK					Mascot
1127.6782	1127.6427	-0.0355	-31	192	200	QLLELQKKK					Mascot
1179.6732	1179.5616	-0.1116	-95	236	246	VNPTVPVPQTK					Mascot
1210.6538	1210.7117	0.0579	48	504	513	RPLEDRPAEK					Mascot
1235.6306	1235.6674	0.0368	30	112	121	STWDEIFPLK					Mascot
1270.6022	1270.6569	0.0547	43	388	398	DEGSKNLDHQK					Mascot
1382.5424	1382.7468	0.2044	148	1	12	MSDDGAREDACR			Carbamidomethyl (C)[11]		Mascot
1411.7288	1411.7698	0.041	29	515	527	DGSLQRISAAEHK					Mascot
1438.6934	1438.7734	0.08	56	809	820	HDHFLEQGRSGR					Mascot
1493.7166	1493.7046	-0.012	-8	731	743	IDRPPSCTGSTFR			Carbamidomethyl (C)[7]		Mascot

	1592.6455	1592.6744	0.0289	18	1426	1439	EEPADDDMEAPMVK					Oxidation (M)[8]	Mascot
	1608.6967	1608.6705	-0.0262	-16	1240	1252	LYTGIQCYS CGMR					Carbamidomethyl (C)[7,10]	Mascot
	2225.0046	2225.0881	0.0835	38	1253	1270	FTASQTDVYADHLDWHY R						Mascot
10	hypothetical protein LOC100145221 [Xenopus (Silurana) tropicalis]				gi 187608497	23765.4	8.5	8	49	39.97			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
890.5015	890.3811	-0.1204	-135	38	45	TDLGLLMK					Mascot
1082.5411	1082.6184	0.0773	71	204	213	IPGHQQAMGK			Oxidation (M)[8]		Mascot
1206.6154	1206.5884	-0.027	-22	125	134	VYNIDFNPPK					Mascot
1210.6361	1210.7117	0.0756	62	203	213	KIPGHQQAMGK			Oxidation (M)[9]		Mascot
1382.6798	1382.7468	0.067	48	179	191	GVLETFSGTETNK					Mascot
1532.8352	1532.746	-0.0892	-58	32	45	ANIEAKTDLGLLMK			Oxidation (M)[13]		Mascot
1597.8068	1597.7637	-0.0431	-27	177	191	SKGVLETFSGTETNK					Mascot
1875.9745	1875.9133	-0.0612	-33	15	31	IAQSFGCLKHLSSGDMLR			Oxidation (M)[15]		Mascot

11	novel protein similar to human pre-mRNA cleavage complex II protein Pcf11 (PCF11) [Danio rerio]				gi 37359680	161171.2	6.59	20	45	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.4977	870.5195	0.0218	25	335	341	VMPVRPR			Oxidation (M)[2]		Mascot
874.4628	874.4678	0.005	6	266	274	SGTTAVNPK					Mascot
890.4213	890.3811	-0.0402	-45	372	378	DEDVREK					Mascot
929.4475	929.5282	0.0807	87	999	1006	YDPQGPPR					Mascot
999.5833	999.4427	-0.1406	-141	192	199	QLLELQKK					Mascot
1019.5003	1019.5085	0.0082	8	315	323	KDNSAVEEK					Mascot
1030.5276	1030.5696	0.042	41	297	306	GQASSERPAK					Mascot
1045.5135	1045.5474	0.0339	32	990	998	FDAPPVMPPR			Oxidation (M)[7]		Mascot
1127.6782	1127.6427	-0.0355	-31	192	200	QLLELQKKK					Mascot
1127.6782	1127.6427	-0.0355	-31	192	200	QLLELQKKK					Mascot
1179.6732	1179.5616	-0.1116	-95	236	246	VNPTVPVPQTK					Mascot
1210.6538	1210.7117	0.0579	48	504	513	RPLED RPAEK					Mascot
1235.6306	1235.6674	0.0368	30	112	121	STWDEIFPLK					Mascot
1270.6022	1270.6569	0.0547	43	388	398	DEGSKNLDHQK					Mascot

	1382.5424	1382.7468	0.2044	148	1	12	MSDDGAREDACR		Carbamidomethyl (C)[11]	Mascot	
	1411.7288	1411.7698	0.041	29	515	527	DGSLQRISAAEHK			Mascot	
	1438.6934	1438.7734	0.08	56	775	786	HDHFLEQGRSGR			Mascot	
	1493.7166	1493.7046	-0.012	-8	697	709	IDRPPSCTGSTFR		Carbamidomethyl (C)[7]	Mascot	
	1592.6455	1592.6744	0.0289	18	1389	1402	EEPADDMEAPMVK		Oxidation (M)[8]	Mascot	
	1608.6967	1608.6705	-0.0262	-16	1206	1218	LYTGIQCYSCGMR		Carbamidomethyl (C)[7,10]	Mascot	
	2225.0046	2225.0881	0.0835	38	1219	1236	FTASQTDVYADHLDWHY R			Mascot	
12	taln-1 [Danio rerio]			gi 57222259			270469.6	5.86	25	45	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
814.4529	814.4111	-0.0418	-51	1329	1336	NQLAAAAR					Mascot
814.4529	814.4111	-0.0418	-51	1329	1336	NQLAAAAR					Mascot
856.408	856.5143	0.1063	124	1303	1310	TISMSSSK			Oxidation (M)[4]		Mascot
874.4628	874.4678	0.005	6	2508	2514	ELEEARK					Mascot
1030.5098	1030.5696	0.0598	58	1195	1203	SVNCLPGQR			Carbamidomethyl (C)[4]		Mascot
1044.5183	1044.5037	-0.0146	-14	67	74	ALDYMYLR					Mascot
1057.6	1057.483	-0.117	-111	1022	1031	NLASALAE LR					Mascot
1057.6	1057.483	-0.117	-111	1022	1031	NLASALAE LR					Mascot
1082.4783	1082.6184	0.1401	129	1083	1092	CSQDLGSSTK			Carbamidomethyl (C)[1]		Mascot
1159.6317	1159.5892	-0.0425	-37	2027	2038	LLVSGAGASQEK					Mascot
1179.5422	1179.5616	0.0194	16	2441	2450	ADQDSQTMKR					Mascot
1210.5746	1210.7117	0.1371	113	469	478	QHITSGQMHR			Oxidation (M)[8]		Mascot
1288.7008	1288.6763	-0.0245	-19	1456	1467	GLVDPSQFARAK					Mascot
1320.7271	1320.6808	-0.0463	-35	424	434	KSTVLQQQFNK					Mascot
1335.6208	1335.6278	0.007	5	1059	1071	DMQEAKASAAEGK					Mascot
1355.7642	1355.6653	-0.0989	-73	1674	1686	ASLAAISQQLTPR					Mascot
1382.7023	1382.7468	0.0445	32	1168	1180	AIAKPGDPDSQQR					Mascot
1423.725	1423.7108	-0.0142	-10	2164	2175	TATPEEFIRMTK					Mascot
1438.8013	1438.7734	-0.0279	-19	2137	2149	GTRALEATIEHIK					Mascot
1454.6581	1454.7035	0.0454	31	1929	1942	AGALQCSPNDSYTK					Mascot
1493.7628	1493.7046	-0.0582	-39	1601	1614	AMLESSTGLIQTAR			Oxidation (M)[2]		Mascot
1532.7625	1532.746	-0.0165	-11	182	194	EQGVEESEMLLLR					Mascot
1759.9008	1759.8187	-0.0821	-47	1748	1762	ILNSQQQMNVLDTK					Mascot
1762.7775	1762.861	0.0835	47	16	30	TMQFEPSTVVYDACR			Oxidation (M)[2]		Mascot
1762.7775	1762.861	0.0835	47	16	30	TMQFEPSTVVYDACR			Oxidation (M)[2]		Mascot

	2211.1865	2211.0728	-0.1137	-51	2059	2080	LGAASLGSEDPETQVVLI NAVK										Mascot
	2225.1846	2225.0881	-0.0965	-43	718	738	VVVAPTISSPVCQEQLIEA GK					Carbamidomethyl (C)[12]					Mascot
	2233.0952	2233.0535	-0.0417	-19	1337	1357	AVTDSINQLISMCTQQAP GQK										Mascot
13	integrin, beta 5 [Danio rerio]				gi 169158555			89380	6.44	16	45	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
890.4625	890.3811	-0.0814	-91	242	248	QMVSRNR					Mascot
918.544	918.4679	-0.0761	-83	565	573	GILCSGKIK					Mascot
999.5403	999.4427	-0.0976	-98	563	571	HKGILCSGK			Carbamidomethyl (C)[6]		Mascot
1082.4935	1082.6184	0.1249	115	68	76	CDFSQNLQK					Mascot
1127.5336	1127.6427	0.1091	97	1	9	MWKLCSSTR			Oxidation (M)[1]		Mascot
1127.5336	1127.6427	0.1091	97	1	9	MWKLCSSTR			Oxidation (M)[1]		Mascot
1201.5558	1201.5469	-0.0089	-7	776	785	YEMASNPVYK					Mascot
1218.5571	1218.5825	0.0254	21	78	88	GCDAPFIENPR					Mascot
1336.6818	1336.6675	-0.0143	-11	319	330	MDYPSLALLGEK					Mascot
1426.6235	1426.7114	0.0879	62	662	673	LADNQTCQRMCK			Oxidation (M)[10]		Mascot
1454.7249	1454.7035	-0.0214	-15	212	223	LFPNCVPTFGFR			Carbamidomethyl (C)[5]		Mascot
1493.7594	1493.7046	-0.0548	-37	423	436	IGDTVSNVTVDAR					Mascot
1532.6039	1532.746	0.1421	93	481	493	CNSAGTYNCGLCR			Carbamidomethyl (C)[1,9,12]		Mascot
1759.672	1759.8187	0.1467	83	623	637	CQCTEPGAFGDTCEK			Carbamidomethyl (C)[1,3,13]		Mascot
1762.8251	1762.861	0.0359	20	786	800	RSVPMETDFDMHGIK					Mascot
1762.8251	1762.861	0.0359	20	786	800	RSVPMETDFDMHGIK					Mascot
1994.8193	1994.9576	0.1383	69	548	564	IYGTFCEDDFSCARHK					Mascot
2233.0693	2233.0535	-0.0158	-7	311	330	NEYSASTKMDYPSLALLG EK			Oxidation (M)[9]		Mascot

14 novel protein (zgc:110238) [Danio rerio] gi|148725246 46118.4 9.29 14 44 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
814.3988	814.4111	0.0123	15	248	253	LQNHMR			Oxidation (M)[5]		Mascot
814.3988	814.4111	0.0123	15	248	253	LQNHMR			Oxidation (M)[5]		Mascot
929.4621	929.5282	0.0661	71	302	309	NSLVGHMR			Oxidation (M)[7]		Mascot
1035.537	1035.5024	-0.0346	-33	274	281	SNLYFHVR					Mascot
1050.5625	1050.4878	-0.0747	-71	106	113	HNLKVHMR			Oxidation (M)[7]		Mascot

1050.5625	1050.4878	-0.0747	-71	106	113	HNLKVHMR	Oxidation (M)[7]	Mascot
1127.5844	1127.6427	0.0583	52	325	333	SFSREFNLK		Mascot
1127.5844	1127.6427	0.0583	52	325	333	SFSREFNLK		Mascot
1201.5929	1201.5469	-0.046	-38	300	309	CKNSLVGHMR	Carbamidomethyl (C)[1]	Mascot
1235.7219	1235.6674	-0.0545	-44	216	225	QRPSLEKHLK		Mascot
1259.4966	1259.5708	0.0742	59	91	100	NNFTCCVCGK	Carbamidomethyl (C)[5,6,8]	Mascot
1411.6106	1411.7698	0.1592	113	373	383	CHHCGKSFNHH	Carbamidomethyl (C)[1,4]	Mascot
1644.7621	1644.8022	0.0401	24	170	184	IHSGEKPFPCNQCGK		Mascot
1644.7621	1644.8022	0.0401	24	282	296	THTGEKPFVCTHCGK		Mascot
1762.7999	1762.861	0.0611	35	142	156	VHTSERPYSCPQCAK	Carbamidomethyl (C)[10]	Mascot
1762.7999	1762.861	0.0611	35	142	156	VHTSERPYSCPQCAK	Carbamidomethyl (C)[10]	Mascot
1880.7659	1880.875	0.1091	58	91	105	NNFTCCVCGKCFQSR	Carbamidomethyl (C)[5,6,8]	Mascot
2210.8833	2211.0728	0.1895	86	334	352	CHMSNHTGEKPYTCGQCGK	Carbamidomethyl (C)[1,14], Oxidation (M)[3]	Mascot

15 novel protein similar to type I cytokeratin, enveloping layer [Danio rerio] gi|94732405 43116.8 5.22 10 44 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
874.4628	874.4678	0.005	6	383	390	LLDGEATR					Mascot
918.3655	918.4679	0.1024	112	1	8	MMSSSSTR			Oxidation (M)[1,2]		Mascot
1019.6135	1019.5085	-0.105	-103	209	216	EELIFLKK					Mascot
1030.564	1030.5696	0.0056	5	382	390	RLLDGEATR					Mascot
1057.4619	1057.483	0.0211	20	169	176	YENELSMR			Oxidation (M)[7]		Mascot
1057.4619	1057.483	0.0211	20	169	176	YENELSMR			Oxidation (M)[7]		Mascot
1235.6418	1235.6674	0.0256	21	265	274	KDLEAWFQAK					Mascot
1320.6907	1320.6808	-0.0099	-7	114	125	QFLDSKTAPSAR					Mascot
1426.6995	1426.7114	0.0119	8	371	381	TRLEMEIAEYR			Oxidation (M)[5]		Mascot
1762.8792	1762.861	-0.0182	-10	248	262	IMAEIREHYESVAAK			Oxidation (M)[2]		Mascot
1762.8792	1762.861	-0.0182	-10	248	262	IMAEIREHYESVAAK			Oxidation (M)[2]		Mascot
1875.8613	1875.9133	0.052	28	9	28	TYMSSGGSSRSVSGG GAGR			Oxidation (M)[3]		Mascot

16 PREDICTED: uveal autoantigen with coiled-coil domains and ankyrin repeats-like [Danio rerio] gi|326676072 64011.1 5.62 11 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	818.4002	818.4782	0.078	95	525	531	QLEESGR										Mascot
	842.5094	842.4996	-0.0098	-12	141	148	LDAALALR										Mascot
	918.4713	918.4679	-0.0034	-4	400	407	VALAEMER										Mascot
	999.3692	999.4427	0.0735	74	566	572	MREECVC						Carbamidomethyl (C)[5,7], Oxidation (M)[1]				Mascot
	1216.5925	1216.6183	0.0258	21	193	202	QMQAHLMAVR	1		0		Oxidation (M)[2,7]					Mascot
	1216.5925	1216.6183	0.0258	21	193	202	QMQAHLMAVR					Oxidation (M)[2,7]					Mascot
	1336.6353	1336.6675	0.0322	24	158	169	SSEQALHASHNR										Mascot
	1644.8625	1644.8022	-0.0603	-37	394	407	EVEQLKVALAEMER										Mascot
	1644.8625	1644.8022	-0.0603	-37	394	407	EVEQLKVALAEMER										Mascot
	1743.8507	1743.8185	-0.0322	-18	412	426	VPNTKEEGVQTEEQR										Mascot
	1951.9	1952.0193	0.1193	61	274	289	TRLADIETNHAEMFCK						Carbamidomethyl (C)[15], Oxidation (M)[13]				Mascot
	1995.1022	1994.9576	-0.1446	-72	42	61	TTQAKPPPAGIGWTKAG SVK										Mascot
	2283.1284	2283.1416	0.0132	6	350	368	HQCILEENQSLTELQEQ K										Mascot

17 PREDICTED: hypothetical protein LOC100535258 [Danio rerio] gi|326666977 50441.6 5.12 13 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
874.4012	874.4678	0.0666	76	18	25	ANDNGLDR							Mascot
1030.5024	1030.5696	0.0672	65	18	26	ANDNGLDRR							Mascot
1044.4237	1044.5037	0.08	77	224	230	CYKCEER				Carbamidomethyl (C)[1,4]			Mascot
1045.5636	1045.5474	-0.0162	-15	66	75	AVTERIGDGK							Mascot
1050.4408	1050.4878	0.047	45	420	428	DEEIECANK							Mascot
1050.4408	1050.4878	0.047	45	420	428	DEEIECANK							Mascot
1201.5704	1201.5469	-0.0235	-20	208	217	LCMSPDHVVK				Carbamidomethyl (C)[2], Oxidation (M)[3]			Mascot
1288.6143	1288.6763	0.062	48	141	151	FDHWGVCPISK							Mascot
1382.678	1382.7468	0.0688	50	197	207	VMHSHQVKTCR				Carbamidomethyl (C)[10]			Mascot
1404.7039	1404.6337	-0.0702	-50	417	428	LLKDEEIECANK							Mascot
1608.7422	1608.6705	-0.0717	-45	2	17	DGSTVTDLAMADGVEK							Mascot
1743.87	1743.8185	-0.0515	-30	156	170	FYPGTNIEDGTRFVK							Mascot
2232.9636	2233.0535	0.0899	40	308	326	VTEQEGTTWTQMDMTD SLK				Oxidation (M)[12,14]			Mascot
2283.895	2284.1375	0.2425	106	252	269	CECWMGEEEEVEQQV GR				Carbamidomethyl (C)[1,3]			Mascot

18 PREDICTED: midline-1 [Danio rerio] gi|292617847 74655 6.34 8 41 0 22 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	%	Modification	Rank	Result	Type
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				Seq.	Seq.	Score				
	842.4631	842.4996	0.0365	43	154	160	KPFTGHR			Mascot
	1045.5459	1045.5474	0.0015	1	295	303	LAQQIANCK		Carbamidomethyl (C)[8]	Mascot
	1050.5215	1050.4878	-0.0337	-32	571	579	DSTSWVLSR	22	0	Mascot
	1050.5215	1050.4878	-0.0337	-32	571	579	DSTSWVLSR			Mascot
	1320.6576	1320.6808	0.0232	18	233	243	RNSELENLMAK		Oxidation (M)[9]	Mascot
	1355.6412	1355.6653	0.0241	18	592	602	EFPIEPSPHMR		Oxidation (M)[10]	Mascot
	1438.7107	1438.7734	0.0627	44	170	182	LRGLACPEHGEEK			Mascot
	1597.8519	1597.7637	-0.0882	-55	459	472	YIFIVKAMNQAGSR			Mascot
	1644.8123	1644.8022	-0.0101	-6	465	480	AMNQAGSRSSPPGQLK		Oxidation (M)[2]	Mascot
	1644.8123	1644.8022	-0.0101	-6	465	480	AMNQAGSRSSPPGQLK		Oxidation (M)[2]	Mascot
19	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39Aa [Danio rerio]				gi 41054355	39935.5	6.68	11	40	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
929.4985	929.5282	0.0297	32	152	158	EIRPVCR			Carbamidomethyl (C)[6]		Mascot
1035.4962	1035.5024	0.0062	6	119	126	MLEQLDMR					Mascot
1057.5935	1057.483	-0.1105	-104	152	159	EIRPVCRK			Carbamidomethyl (C)[6]		Mascot
1057.5935	1057.483	-0.1105	-104	152	159	EIRPVCRK			Carbamidomethyl (C)[6]		Mascot
1159.5638	1159.5892	0.0254	22	63	73	CAVFFGGMSIK					Mascot
1206.5896	1206.5884	-0.0012	-1	238	247	GMTQEERLSR					Mascot
1216.5853	1216.6183	0.033	27	63	73	CAVFFGGMSIK			Carbamidomethyl (C)[1]		Mascot
1216.5853	1216.6183	0.033	27	63	73	CAVFFGGMSIK			Carbamidomethyl (C)[1]		Mascot
1259.6167	1259.5708	-0.0459	-36	248	256	YQQFKDFQR					Mascot
1335.5741	1335.6278	0.0537	40	141	151	QCMMFSATLSK			Carbamidomethyl (C)[2], Oxidation (M)[3,4]		Mascot
1438.6851	1438.7734	0.0883	61	1	13	MDILCQAKSGMGK			Carbamidomethyl (C)[5]		Mascot
1454.6801	1454.7035	0.0234	16	1	13	MDILCQAKSGMGK			Carbamidomethyl (C)[5], Oxidation (M)[1]		Mascot
1597.8333	1597.7637	-0.0696	-44	128	140	DVQDIFRLTPHEK					Mascot
1951.9438	1952.0193	0.0755	39	135	151	LTPHEKQCMMFSATLSK					Mascot
2121.9766	2122.0508	0.0742	35	110	126	HFVLDECDKMLEQLDMR					Mascot
2121.9766	2122.0508	0.0742	35	110	126	HFVLDECDKMLEQLDMR					Mascot
2210.9878	2211.0728	0.085	38	110	126	HFVLDECDKMLEQLDMR			Carbamidomethyl (C)[7], Oxidation (M)[10,16]		Mascot

20 ras-like protein Rhoh [Danio rerio] gi|60459928 21096.8 9.03 5 40 0 15 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1007.4462	1007.5864	0.1402	139	126	135	ANCTTSPEGK	15	0			Mascot
1007.4462	1007.5864	0.1402	139	126	135	ANCTTSPEGK					Mascot
1127.6354	1127.6427	0.0073	6	179	187	RLLNLNPCK			Carbamidomethyl (C)[8]		Mascot
1127.6354	1127.6427	0.0073	6	179	187	RLLNLNPCK			Carbamidomethyl (C)[8]		Mascot
1235.6201	1235.6674	0.0473	38	156	166	GVQQVFEC AVR					Mascot
1411.6998	1411.7698	0.07	50	143	155	AKGYLECSALSNR					Mascot
1592.8134	1592.6744	-0.139	-87	1	15	TSVKCVLVGDCAVGK			Carbamidomethyl (C)[5,11]		Mascot

21 hypothetical protein LOC619199 [Danio rerio] gi|75750507 27858.1 6.39

8 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
929.5203	929.5282	0.0079	8	55	62	FRVPAPDK					Mascot
1127.5765	1127.6427	0.0662	59	88	96	MLLYSEVTR			Oxidation (M)[1]		Mascot
1127.5765	1127.6427	0.0662	59	88	96	MLLYSEVTR			Oxidation (M)[1]		Mascot
1179.6732	1179.5616	-0.1116	-95	207	216	IKLYSESLAR					Mascot
1270.558	1270.6569	0.0989	78	235	248	GSSGSVLSTGTASC			Carbamidomethyl (C)[14]		Mascot
1426.6591	1426.7114	0.0523	37	234	248	RGSSGSVLSTGTASC			Carbamidomethyl (C)[15]		Mascot
1493.745	1493.7046	-0.0404	-27	15	28	ECVLSGLMSANGKK			Carbamidomethyl (C)[2]		Mascot
1597.6959	1597.7637	0.0678	42	155	167	THHMDPRNTSMR					Mascot
2211.2205	2211.0728	-0.1477	-67	78	96	FLLANGQLVKMLLYSEVTR			Oxidation (M)[11]		Mascot

22 hypothetical protein LOC100158480 [Xenopus (Silurana) tropicalis]

gi|189230136

48869.1 6.2

10 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5658	882.5577	-0.0081	-9	141	148	EAVILPIK					Mascot
929.4873	929.5282	0.0409	44	340	347	DALMQPVR					Mascot
1019.4938	1019.5085	0.0147	14	1	9	MAANNNLQK			Oxidation (M)[1]		Mascot
1045.5789	1045.5474	-0.0315	-30	348	356	KVQSATHFK					Mascot
1057.5823	1057.483	-0.0993	-94	340	348	DALMQPVRK					Mascot
1057.5823	1057.483	-0.0993	-94	340	348	DALMQPVRK					Mascot
1159.5742	1159.5892	0.015	13	126	136	WNDVAGLEGAK					Mascot
1336.5912	1336.6675	0.0763	57	386	396	EMTWMEVPGEK					Mascot

		1493.8223	1493.7046	-0.1177	-79	288	299	RIYIPLPEEHAR									Mascot
		1597.8656	1597.7637	-0.1019	-64	2	16	AANNNLQKAIDLANK									Mascot
		2283.1536	2283.1416	-0.012	-5	305	325	LNLGTTPNLSLTESDFMTL GKK						Oxidation (M)[16]			Mascot
23	GTP:AMP phosphotransferase, mitochondrial [Danio rerio]							gi 47085881	23819.3	7.79	7	40	0				

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
890.5015	890.3811	-0.1204	-135	38	45	TDLGLLMK					Mascot
1082.5775	1082.6184	0.0409	38	204	213	IPGHKQAMGK			Oxidation (M)[8]		Mascot
1206.6154	1206.5884	-0.027	-22	125	134	VYNIDFNPPK					Mascot
1382.6798	1382.7468	0.067	48	179	191	GVLETFSGTETNK					Mascot
1532.8352	1532.746	-0.0892	-58	32	45	ANIEAKTDLGLLMK			Oxidation (M)[13]		Mascot
1597.8068	1597.7637	-0.0431	-27	177	191	SKGVLETFSGTETNK					Mascot
1875.9745	1875.9133	-0.0612	-33	15	31	IAQSFGCLKHLSSGDMLR			Oxidation (M)[15]		Mascot

24	protein lin-7 homolog B [Danio rerio]							gi 89191826	22799.9	8.77	7	40	0				
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Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1127.6895	1127.6427	-0.0468	-42	162	172	AAQGSVKLVVR					Mascot
1127.6895	1127.6427	-0.0468	-42	162	172	AAQGSVKLVVR					Mascot
1206.6113	1206.5884	-0.0229	-19	112	121	EQNSPIYISR					Mascot
1235.6929	1235.6674	-0.0255	-21	41	51	VLQSKFCAAIR					Mascot
1313.7787	1313.632	-0.1467	-112	156	168	AVELLKAAQGSVK					Mascot
1532.8907	1532.746	-0.1447	-94	27	40	SGQLPPPKLQALQR					Mascot
1592.7927	1592.6744	-0.1183	-74	77	92	ATVAFAASEGHAHPR					Mascot
1951.8856	1952.0193	0.1337	68	1	16	MAAMTEPLCLERDVCR			Carbamidomethyl (C)[9,15]		Mascot

25	vacuolar protein sorting 4 homolog b-like [Danio rerio]							gi 155369339	48868.1	6.66	10	39	0				
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Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5658	882.5577	-0.0081	-9	141	148	EAVILPIK					Mascot
929.4873	929.5282	0.0409	44	340	347	DALMQPVR					Mascot
1019.4938	1019.5085	0.0147	14	1	9	MAANNNLQK			Oxidation (M)[1]		Mascot
1045.5789	1045.5474	-0.0315	-30	348	356	KVQSATHFK					Mascot

26	PREDICTED: leucine-rich repeat-containing protein 8D [Danio rerio]	gi 292610712	94599.1	6.61	13	39	0
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
918.5077	918.4679	-0.0398	-43	554	561	MIGLESLR					Mascot
1045.6438	1045.5474	-0.0964	-92	601	609	LLVMNSLKK					Mascot
1057.5312	1057.483	-0.0482	-46	370	377	EYSFEKVR					Mascot
1057.5312	1057.483	-0.0482	-46	370	377	EYSFEKVR					Mascot
1159.6721	1159.5892	-0.0829	-71	740	749	VEVLPSQLFK					Mascot
1210.6038	1210.7117	0.1079	89	493	502	ELHLYHCPAK					Mascot
1235.6266	1235.6674	0.0408	33	256	266	DGEQAKALFEK					Mascot
1313.6882	1313.632	-0.0562	-43	683	693	SLESLIICHNK			Carbamidomethyl (C)[8]		Mascot
1336.7446	1336.6675	-0.0771	-58	661	670	LVCLKLWYNK			Carbamidomethyl (C)[3]		Mascot
1355.6841	1355.6653	-0.0188	-14	410	421	FGVFLSEVSENK					Mascot
1426.7325	1426.7114	-0.0211	-15	107	119	EGVWTQPQPTGVK					Mascot
1532.738	1532.746	0.008	5	424	435	EISLNHEWTFEK					Mascot
1743.87	1743.8185	-0.0515	-30	120	133	TNLDFAQYYFVNQK					Mascot
1760.0217	1759.8187	-0.203	-115	694	708	VENLPPSLFHLPKLR					Mascot

27	vacuolar protein sorting-associated protein 4B [Danio rerio]	gjl41053850	48887.2	7	10	39	0
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.5658	882.5577	-0.0081	-9	141	148	EAVILPIK					Mascot
929.4873	929.5282	0.0409	44	340	347	DALMQPVR					Mascot
1019.4938	1019.5085	0.0147	14	1	9	MAANNNLQK			Oxidation (M)[1]		Mascot
1045.5789	1045.5474	-0.0315	-30	348	356	KVQSATHFK					Mascot

	1057.5823	1057.483	-0.0993	-94	340	348	DALMQPVRK											Mascot
	1057.5823	1057.483	-0.0993	-94	340	348	DALMQPVRK											Mascot
	1159.5742	1159.5892	0.015	13	126	136	WNDVAGLEGAK											Mascot
	1336.5912	1336.6675	0.0763	57	386	396	EMTWMEVPGEK											Mascot
	1493.8223	1493.7046	-0.1177	-79	288	299	RIYIPLPEEHAR											Mascot
	1597.8656	1597.7637	-0.1019	-64	2	16	AANNLQKAIDLANK											Mascot
	2283.1536	2283.1416	-0.012	-5	305	325	LNLGTTPNLSLTESDFMTL GKK						Oxidation (M)[16]					Mascot
28	kinesin heavy chain isoform 5C [Danio rerio]				gi 181342078		113600.8	6.26	11	39	0	20	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5117	882.5577	0.046	52	584	590	LFISKMK			Oxidation (M)[6]		Mascot
1057.5347	1057.483	-0.0517	-49	672	680	MHEVSVLDK					Mascot
1057.5347	1057.483	-0.0517	-49	672	680	MHEVSVLDK	20	0			Mascot
1270.7842	1270.6569	-0.1273	-100	542	552	RSAEILSLLR					Mascot
1404.8182	1404.6337	-0.1845	-131	911	922	RNHTAQIAKPIR					Mascot
1423.6846	1423.7108	0.0262	18	602	613	QLESTQSDTMRK					Mascot
1426.631	1426.7114	0.0804	56	2	14	VDAAECCVKVMCR					Mascot
1438.692	1438.7734	0.0814	57	372	384	GETVPVNEQHSNK					Mascot
1532.8279	1532.746	-0.0819	-53	519	533	SSALAGVERDLSSLK					Mascot
1592.8894	1592.6744	-0.215	-135	223	237	LSGKLYLVLAGSEK					Mascot
1597.6953	1597.7637	0.0684	43	2	14	VDAAECCVKVMCR			Carbamidomethyl (C)[6,7,12]		Mascot
1743.8517	1743.8185	-0.0332	-19	620	634	ELASCQMLISQHQAK			Carbamidomethyl (C)[5]		Mascot
1759.8466	1759.8187	-0.0279	-16	620	634	ELASCQMLISQHQAK			Carbamidomethyl (C)[5], Oxidation (M)[7]		Mascot
1952.0447	1952.0193	-0.0254	-13	781	797	GLEETVAKELQTLHDLR					Mascot

29 PREDICTED: hypothetical protein LOC100537051 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
874.4012	874.4678	0.0666	76	8	15	ANDNGLDR					Mascot
1030.5024	1030.5696	0.0672	65	8	16	ANDNGLDRR					Mascot
1044.4237	1044.5037	0.08	77	214	220	CYKCEER			Carbamidomethyl (C)[1,4]		Mascot
1045.5636	1045.5474	-0.0162	-15	56	65	AVTERIGDGK					Mascot
1050.4408	1050.4878	0.047	45	410	418	DEEIECANK					Mascot

1438.6128	1438.7734	0.1606	112	1255	1267	TPSHMSSNGPDR						Oxidation (M)[6]	Mascot
1532.8544	1532.746	-0.1084	-71	1649	1663	HGLPGIGLSTSLQPR							Mascot
1727.9591	1727.8198	-0.1393	-81	2873	2886	VVLPLVDQYFKNHR							Mascot
1743.9375	1743.8185	-0.119	-68	1541	1555	SVDILELTEQQDLLK							Mascot
1951.8749	1952.0193	0.1444	74	297	313	AIMHHEGHMDDGLTISR						Oxidation (M)[3,9]	Mascot
1995.0771	1994.9576	-0.1195	-60	1731	1747	LFYTLLIMGIFHNGDLK							Mascot
2282.9839	2283.1416	0.1577	69	29	48	HSYSGMYLCLSTARSS TDK						Carbamidomethyl (C)[9], Oxidation (M)[6]	Mascot

31 Zgc:112061 protein [Danio rerio] gi|63101292 103503.8 6.58 10 37 0 22 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
814.4205	814.4111	-0.0094	-12	341	347	HGNPYVK					Mascot
814.5145	814.4111	-0.1034	-127	567	573	AIDVLKR	25	0			Mascot
874.4992	874.4678	-0.0314	-36	824	830	KDELLTR					Mascot
1044.6122	1044.5037	-0.1085	-104	764	772	MELQLLGIK					Mascot
1179.5358	1179.5616	0.0258	22	773	782	LQSGERACCR			Carbamidomethyl (C)[8]		Mascot
1216.5481	1216.6183	0.0702	58	637	645	YYSQELEER					Mascot
1216.5481	1216.6183	0.0702	58	637	645	YYSQELEER					Mascot
1592.7889	1592.6744	-0.1145	-72	506	520	FSAFATQLVHGPCSK					Mascot
1644.6914	1644.8022	0.1108	67	591	603	EEVCTEMMEVISR			Carbamidomethyl (C)[4], Oxidation (M)[7,8]		Mascot
1644.6914	1644.8022	0.1108	67	591	603	EEVCTEMMEVISR			Carbamidomethyl (C)[4], Oxidation (M)[7,8]		Mascot
1876.03	1875.9133	-0.1167	-62	451	466	HNQTNKSRPPVVPFR					Mascot
2283.1284	2283.1416	0.0132	6	731	751	FQDNLPMSGVTGTLTTTA ERK			Oxidation (M)[8]		Mascot

32 caspase c [Danio rerio] gi|61806574 44909.8 5.99 11 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
929.5601	929.5282	-0.0319	-34	347	354	IILIQACR					Mascot
999.5693	999.4427	-0.1266	-127	30	37	RPIKNTDR					Mascot
1127.4972	1127.6427	0.1455	129	378	385	EKDFCCLR			Carbamidomethyl (C)[5,6]		Mascot
1127.4972	1127.6427	0.1455	129	378	385	EKDFCCLR			Carbamidomethyl (C)[5,6]		Mascot
1179.4882	1179.5616	0.0734	62	132	142	SCPGCQSNVER					Mascot
1259.5798	1259.5708	-0.009	-7	60	70	MPADYVVACFK			Oxidation (M)[1]		Mascot
1335.5892	1335.6278	0.0386	29	132	143	SCPGCQSNVERR					Mascot

	1336.6102	1336.6675	0.0573	43	78	88	TEFSCPHFVGR		Carbamidomethyl (C)[5]	Mascot
	1454.8512	1454.7035	-0.1477	-102	343	354	DKPKIILIQACR		Carbamidomethyl (C)[11]	Mascot
	1880.8743	1880.875	0.0007	0	60	74	MPADYVVACFKCYLK		Carbamidomethyl (C)[9,12], Oxidation (M)[1]	Mascot
	2283.0029	2283.1416	0.1387	61	288	307	EEHAHSDSCFVLM SHG NAR		Carbamidomethyl (C)[9]	Mascot
	2284.1926	2284.1375	-0.0551	-24	251	270	DELSMEMLLKGLGYTVV TLR		Oxidation (M)[5]	Mascot

33 novel protein similar to Down syndrome cell adhesion molecule (dscam) [Danio rerio] gi|122891302 210775.3 8.34 20 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
814.3552	814.4111	0.0559	69	1241	1246	CGTWYK			Carbamidomethyl (C)[1]		Mascot
814.3552	814.4111	0.0559	69	1241	1246	CGTWYK			Carbamidomethyl (C)[1]		Mascot
818.4267	818.4782	0.0515	63	78	85	ASGHPPPR					Mascot
890.4578	890.3811	-0.0767	-86	1702	1709	QSESPKSK					Mascot
918.4138	918.4679	0.0541	59	850	856	SYQVCYR					Mascot
999.5105	999.4427	-0.0678	-68	1866	1875	EPGDLAQAAK					Mascot
1019.5016	1019.5085	0.0069	7	31	38	HRYTGETR					Mascot
1030.4484	1030.5696	0.1212	118	280	287	DSNHRMDR					Mascot
1201.6072	1201.5469	-0.0603	-50	1168	1178	SAHNNGSFVIR					Mascot
1216.6613	1216.6183	-0.043	-35	357	366	IIGYPYYSIK					Mascot
1216.6613	1216.6183	-0.043	-35	357	366	IIGYPYYSIK					Mascot
1288.6168	1288.6763	0.0595	46	1179	1189	TVKAEDSGYYR					Mascot
1355.6545	1355.6653	0.0108	8	1428	1439	DAKSLAEMLSK			Oxidation (M)[8,10]		Mascot
1382.6766	1382.7468	0.0702	51	1431	1442	SLAEMLSKNAR			Oxidation (M)[5,7]		Mascot
1404.719	1404.6337	-0.0853	-61	1731	1743	RLVGSETGNTSQR					Mascot
1411.7039	1411.7698	0.0659	47	1236	1246	LENLKCGTWYK			Carbamidomethyl (C)[6]		Mascot
1438.8311	1438.7734	-0.0577	-40	329	341	INVRGPASIRPMK					Mascot
1454.826	1454.7035	-0.1225	-84	329	341	INVRGPASIRPMK			Oxidation (M)[12]		Mascot
1597.8081	1597.7637	-0.0444	-28	888	900	YTQYEVVRQAANR					Mascot
1608.7104	1608.6705	-0.0399	-25	1807	1820	EATGQTCMDPQKSR			Carbamidomethyl (C)[7]		Mascot
1762.9772	1762.861	-0.1162	-66	1133	1149	DIVLPCKAVGDPPTIK					Mascot
1762.9772	1762.861	-0.1162	-66	1133	1149	DIVLPCKAVGDPPTIK					Mascot
1875.9368	1875.9133	-0.0235	-13	222	238	MSTQDLVQVLEDGTPK			Oxidation (M)[1]		Mascot
1951.8596	1952.0193	0.1597	82	1800	1818	GAASSGREATGQTCMDP QK			Carbamidomethyl (C)[14]		Mascot

34 Cluap1 protein [Danio rerio] gi|66911064 35387.2 6.82 9 37 0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank Result Type
1030.5276	1030.5696	0.042	41	222	229	QDLERNQK			Mascot
1127.5731	1127.6427	0.0696	62	86	95	LYQADGYAVK			Mascot
1127.5731	1127.6427	0.0696	62	86	95	LYQADGYAVK			Mascot
1167.5562	1167.6489	0.0927	79	191	200	DVTESIQMTK		Oxidation (M)[8]	Mascot
1167.5562	1167.6489	0.0927	79	191	200	DVTESIQMTK		Oxidation (M)[8]	Mascot
1206.6729	1206.5884	-0.0845	-70	128	138	FDLGSKIADLK			Mascot
1382.7712	1382.7468	-0.0244	-18	100	111	ITSILYNAMTK			Mascot
1404.5956	1404.6337	0.0381	27	284	294	FEEAEMAMKMR		Oxidation (M)[6,8]	Mascot
1644.8302	1644.8022	-0.028	-17	86	99	LYQADGYAVKEMLK		Oxidation (M)[12]	Mascot
1644.8302	1644.8022	-0.028	-17	86	99	LYQADGYAVKEMLK		Oxidation (M)[12]	Mascot
1995.179	1994.9576	-0.2214	-111	29	45	SPNFPLVAEILWLVKR			Mascot
2211.1226	2211.0728	-0.0498	-23	230	247	RLQTLQSVRPAFMDEYE K			Mascot
35	bgn [Danio rerio]			gi 165993293		38198.6	6.7	8	37 0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank Result Type
856.3987	856.5143	0.1156	135	29	35	GFWDFGK			Mascot
1127.6418	1127.6427	0.0009	1	157	166	NLPSSLVELR			Mascot
1127.6418	1127.6427	0.0009	1	157	166	NLPSSLVELR			Mascot
1206.6841	1206.5884	-0.0957	-79	211	220	LNYLRISEAK			Mascot
1218.7205	1218.5825	-0.138	-113	113	123	GLSNLYALVLR			Mascot
1426.7001	1426.7114	0.0113	8	29	40	GFWDFGKDIDVK			Mascot
1532.8141	1532.746	-0.0681	-44	144	156	LYISHNLLTSMPK		Oxidation (M)[11]	Mascot
1762.9558	1762.861	-0.0948	-54	157	171	NLPSSLVELRIHDNR			Mascot
1762.9558	1762.861	-0.0948	-54	157	171	NLPSSLVELRIHDNR			Mascot
1952.0963	1952.0193	-0.077	-39	113	129	GLSNLYALVLRYNQISK			Mascot
36	gamma-tubulin complex component 5 [Danio rerio]			gi 66392200		117376.1	5.72	14	37 0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank Result Type
818.4552	818.4782	0.023	28	932	937	CLLREK		Carbamidomethyl (C)[1]	Mascot
929.4515	929.5282	0.0767	83	39	45	FTWSNFK			Mascot

1045.5347	1045.5474	0.0127	12	68	76	LMVHSDLSK	Oxidation (M)[2]	Mascot
1050.5156	1050.4878	-0.0278	-26	959	967	WQAGFGAWK		Mascot
1050.5579	1050.4878	-0.0701	-67	664	673	FSGGSVILDR		Mascot
1159.647	1159.5892	-0.0578	-50	433	442	ASHLLNTLYK		Mascot
1167.6442	1167.6489	0.0047	4	938	947	VSFVKEAIMK	Oxidation (M)[9]	Mascot
1167.6442	1167.6489	0.0047	4	938	947	VSFVKEAIMK	Oxidation (M)[9]	Mascot
1179.6368	1179.5616	-0.0752	-64	260	269	SFVTETQVIR		Mascot
1218.6266	1218.5825	-0.0441	-36	281	290	LFIFQHNDGK		Mascot
1288.7623	1288.6763	-0.086	-67	948	958	VLNLVLIFSDR		Mascot
1532.8367	1532.746	-0.0907	-59	402	414	LSPHLAQITMLHR	Oxidation (M)[10]	Mascot
1759.8796	1759.8187	-0.0609	-35	68	82	LMVHSDLSKAESWTR		Mascot
1875.9043	1875.9133	0.009	5	606	622	RGEESPTNTVTEQQATK		Mascot
2233.136	2233.0535	-0.0825	-37	770	788	HPEDSHRLSIFLETIDPAR		Mascot

37 PREDICTED: Down syndrome cell adhesion molecule [Danio rerio] gi|326674054 222799.5 7.04 20 37 0

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
814.3552	814.4111	0.0559	69	1438	1443	CGTWYK			Carbamidomethyl (C)[1]		Mascot	
814.3552	814.4111	0.0559	69	1438	1443	CGTWYK			Carbamidomethyl (C)[1]		Mascot	
818.4267	818.4782	0.0515	63	242	249	ASGHPPPR					Mascot	
918.4138	918.4679	0.0541	59	1014	1020	SYQVCYR					Mascot	
999.5105	999.4427	-0.0678	-68	1975	1984	EPGDLAQAAK					Mascot	
1019.5016	1019.5085	0.0069	7	195	202	HRYTGETR					Mascot	
1030.4484	1030.5696	0.1212	118	444	451	DSNHRMDR					Mascot	
1201.6072	1201.5469	-0.0603	-50	1332	1342	SAHNNGSFVIR					Mascot	
1216.6613	1216.6183	-0.043	-35	521	530	IIGYPYYSIK					Mascot	
1216.6613	1216.6183	-0.043	-35	521	530	IIGYPYYSIK					Mascot	
1288.6168	1288.6763	0.0595	46	1343	1353	TVKAEDSGYYR					Mascot	
1313.7324	1313.632	-0.1004	-76	107	117	SQDLHIKAVFR					Mascot	
1355.6545	1355.6653	0.0108	8	1625	1636	DAKSLAEMLMSK			Oxidation (M)[8,10]		Mascot	
1382.6766	1382.7468	0.0702	51	1628	1639	SLAEMLMSKNAR			Oxidation (M)[5,7]		Mascot	
1404.7594	1404.6337	-0.1257	-89	344	355	NAEKIQGINVR					Mascot	
1411.7039	1411.7698	0.0659	47	1433	1443	LENLKCGTWYK			Carbamidomethyl (C)[6]		Mascot	
1438.8311	1438.7734	-0.0577	-40	493	505	INVRGPASIRPMK					Mascot	
1454.826	1454.7035	-0.1225	-84	493	505	INVRGPASIRPMK			Oxidation (M)[12]		Mascot	

1597.8081	1597.7637	-0.0444	-28	1052	1064	YTQYEVVRVQAANR							Mascot
1608.7104	1608.6705	-0.0399	-25	1916	1929	EATGQTCMDPQKSR				Carbamidomethyl (C)[7]			Mascot
1762.9772	1762.861	-0.1162	-66	1297	1313	DIVLPCKAVGDPPPTIK							Mascot
1762.9772	1762.861	-0.1162	-66	1297	1313	DIVLPCKAVGDPPPTIK							Mascot
1875.9368	1875.9133	-0.0235	-13	386	402	MSTQDLVQVLEDGTPK				Oxidation (M)[1]			Mascot
1951.8596	1952.0193	0.1597	82	1909	1927	GAASSGREATGQTCMDPQK				Carbamidomethyl (C)[14]			Mascot

38 PREDICTED: PAS domain-containing serine/threonine-protein kinase [Danio rerio]

gi|326665164 133783.1 5.01 13 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
814.5145	814.4111	-0.1034	-127	275	281	TTPKVLR	10	0			Mascot
814.5145	814.4111	-0.1034	-127	275	281	TTPKVLR					Mascot
818.4631	818.4782	0.0151	18	897	902	NYRPLR					Mascot
1050.4785	1050.4878	0.0093	9	804	811	THVTCYNR			Carbamidomethyl (C)[5]		Mascot
1050.5499	1050.4878	-0.0621	-59	162	170	SSQMILEVLK			Oxidation (M)[4]		Mascot
1057.5823	1057.483	-0.0993	-94	291	300	SGLVVPACVR			Carbamidomethyl (C)[8]		Mascot
1057.5823	1057.483	-0.0993	-94	291	300	SGLVVPACVR			Carbamidomethyl (C)[8]		Mascot
1127.6782	1127.6427	-0.0355	-31	948	957	VTQEVAILVR					Mascot
1127.6782	1127.6427	-0.0355	-31	948	957	VTQEVAILVR					Mascot
1210.6367	1210.7117	0.075	62	907	917	GAFGFVWLASR					Mascot
1404.6287	1404.6337	0.005	4	143	154	LFECAYS DLMGR					Mascot
1423.7792	1423.7108	-0.0684	-48	777	791	GVLLPGDAPATSTPK					Mascot
1532.7236	1532.746	0.0224	15	143	155	LFECAYS DLMGRK					Mascot
1592.6469	1592.6744	0.0275	17	36	49	SDSFCMNQSFPSAR			Oxidation (M)[6]		Mascot
1727.9407	1727.8198	-0.1209	-70	285	300	LCVQARSGLVVPACVR			Carbamidomethyl (C)[2]		Mascot
1875.8905	1875.9133	0.0228	12	931	947	KSAVVSECVWDDPDLGR					Mascot

39 syntaxin-binding protein 6 [Danio rerio]

gi|187608529 31598.3 10.35 10 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
929.4587	929.5282	0.0695	75	265	272	HFAEAAQR					Mascot
1019.5302	1019.5085	-0.0217	-21	1	9	MNIQSAISR					Mascot
1035.5251	1035.5024	-0.0227	-22	1	9	MNIQSAISR			Oxidation (M)[1]		Mascot
1045.5748	1045.5474	-0.0274	-26	237	245	RASQVLSEK					Mascot

	1179.5536	1179.5616	0.008	7	198	207	TSMTANQDRR										Mascot
	1288.6757	1288.6763	0.0006	0	76	85	RSQWSVEQLR										Mascot
	1423.6335	1423.7108	0.0773	54	106	118	TTDQWEASSAAEK										Mascot
	1438.6855	1438.7734	0.0879	61	252	264	ADDKTSHMLHGAR										Mascot
	1454.6805	1454.7035	0.023	16	252	264	ADDKTSHMLHGAR						Oxidation (M)[8]				Mascot
	1644.7543	1644.8022	0.0479	29	175	188	LMGDACSVNMVIYR						Carbamidomethyl (C)[6], Oxidation (M)[2]				Mascot
	1644.7543	1644.8022	0.0479	29	175	188	LMGDACSVNMVIYR						Carbamidomethyl (C)[6], Oxidation (M)[2]				Mascot
	1875.8584	1875.9133	0.0549	29	175	190	LMGDACSVNMVIYRCK						Carbamidomethyl (C)[6], Oxidation (M)[2]				Mascot
	2233.0027	2233.0535	0.0508	23	119	136	CMFVQVLYHACQNFWEA K						Oxidation (M)[2]				Mascot
40	PREDICTED: retrotransposable element Tf2 155 kDa protein type 1-like [Danio rerio]				gij 326666222		145341.7	9.75	17	36	0						
	Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank	Result	Type		
	856.4312	856.5143	0.0831	97	604	610	WPVPDSR									Mascot	
	870.5406	870.5195	-0.0211	-24	1174	1181	VLSPVTVR									Mascot	
	874.4992	874.4678	-0.0314	-36	274	280	LTVEEKR									Mascot	
	1035.547	1035.5024	-0.0446	-43	388	396	LYSLSAPER									Mascot	
	1044.5796	1044.5037	-0.0759	-73	1114	1123	AKEALAQASR									Mascot	
	1057.6187	1057.483	-0.1357	-128	1182	1190	LKLPCTLGR					Carbamidomethyl (C)[5]				Mascot	
	1057.6187	1057.483	-0.1357	-128	1182	1190	LKLPCTLGR					Carbamidomethyl (C)[5]				Mascot	
	1127.6643	1127.6427	-0.0216	-19	878	886	RSLINIQQR									Mascot	
	1127.6643	1127.6427	-0.0216	-19	878	886	RSLINIQQR									Mascot	
	1201.6284	1201.5469	-0.0815	-68	1034	1043	ANQDLERSLR									Mascot	
	1216.7776	1216.6183	-0.1593	-131	110	120	VAFVITLLKGR									Mascot	
	1216.7776	1216.6183	-0.1593	-131	110	120	VAFVITLLKGR									Mascot	
	1355.7794	1355.6653	-0.1141	-84	1145	1155	VWLSTRDLPLR									Mascot	
	1404.7706	1404.6337	-0.1369	-97	1278	1292	RGEPLLGAPGGAPGR									Mascot	
	1438.6572	1438.7734	0.1162	81	887	897	FWWPSMAQDVR					Oxidation (M)[6]				Mascot	
	1532.818	1532.746	-0.072	-47	720	732	NYDIGNRELLAVR									Mascot	
	1744.0116	1743.8185	-0.1931	-111	555	568	QVLQRLLLENQLYVK									Mascot	
	1875.8402	1875.9133	0.0731	39	240	256	RVSGASWMNEGPSNDP R					Oxidation (M)[8]				Mascot	
	1880.9827	1880.875	-0.1077	-57	451	467	YPLPLMSSAFELLQGAK					Oxidation (M)[6]				Mascot	
	2211.167	2211.0728	-0.0942	-43	851	869	LFVPASLRSEVLQWGHE SR									Mascot	
41	cytoplasmic dynein 1 heavy chain 1 [Danio rerio]				gij 112363126		532854.1	6.06	31	36	0						

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
818.4366	818.4782	0.0416	51	1405	1411 SEALKDR					Mascot
870.4389	870.5195	0.0806	93	656	662 QLTAYMK			Oxidation (M)[6]		Mascot
874.4628	874.4678	0.005	6	3438	3445 DLEASIR					Mascot
890.473	890.3811	-0.0919	-103	828	834 LDPYVQR					Mascot
929.4435	929.5282	0.0847	91	3847	3854 SVSDHTQR					Mascot
1019.4938	1019.5085	0.0147	14	4563	4572 LQGATCANNK					Mascot
1044.5507	1044.5037	-0.047	-45	4292	4300 DIKMPDGIR					Mascot
1045.5272	1045.5474	0.0202	19	2836	2843 LVEDEERR					Mascot
1050.4884	1050.4878	-0.0006	-1	790	797 TCEKVEER	9	0	Carbamidomethyl (C)[2]		Mascot
1050.4884	1050.4878	-0.0006	-1	790	797 TCEKVEER			Carbamidomethyl (C)[2]		Mascot
1082.5841	1082.6184	0.0343	32	1688	1697 TAVSITEHPK					Mascot
1127.6895	1127.6427	-0.0468	-42	376	385 ALRLVEAISR					Mascot
1127.6895	1127.6427	-0.0468	-42	376	385 ALRLVEAISR					Mascot
1167.5463	1167.6489	0.1026	88	624	633 VQYPQSQSCK					Mascot
1167.5463	1167.6489	0.1026	88	624	633 VQYPQSQSCK					Mascot
1179.5286	1179.5616	0.033	28	2442	2450 MEHIMDFTR					Mascot
1235.6378	1235.6674	0.0296	24	1614	1623 ALGEYLERER					Mascot
1259.7219	1259.5708	-0.1511	-120	3733	3742 LQGEFQLRLR					Mascot
1313.55	1313.632	0.082	62	862	871 SLETCMYEHK			Carbamidomethyl (C)[5], Oxidation (M)[6]		Mascot
1320.6793	1320.6808	0.0015	1	223	234 GEKPKVTDFGDK					Mascot
1355.6552	1355.6653	0.0101	7	3121	3131 VPDYMPIVYDK			Oxidation (M)[5]		Mascot
1382.7678	1382.7468	-0.021	-15	639	651 DLPPVSGSIIWAK					Mascot
1411.6562	1411.7698	0.1136	80	400	410 LMHVAYEEFEK			Oxidation (M)[2]		Mascot
1423.6271	1423.7108	0.0837	59	4364	4376 STSSSDAQPAWMR					Mascot
1438.7372	1438.7734	0.0362	25	4111	4122 KLHSMQPHASFR					Mascot
1454.7322	1454.7035	-0.0287	-20	4111	4122 KLHSMQPHASFR			Oxidation (M)[5]		Mascot
1532.705	1532.746	0.041	27	3682	3694 DPTVEFPDLCGR			Carbamidomethyl (C)[11]		Mascot
1644.9102	1644.8022	-0.108	-66	4442	4455 QTNVLRRLINDMVK					Mascot
1644.9102	1644.8022	-0.108	-66	4442	4455 QTNVLRRLINDMVK					Mascot
1727.8558	1727.8198	-0.036	-21	2381	2395 LRSIPLDEGEDEAQR					Mascot
1762.9806	1762.861	-0.1196	-68	4329	4344 VLLTTQGTDMMAKLLK					Mascot
1762.9806	1762.861	-0.1196	-68	4329	4344 VLLTTQGTDMMAKLLK					Mascot
1875.968	1875.9133	-0.0547	-29	2451	2466 LRSLGSLFSLMLHQACR			Carbamidomethyl (C)[15]		Mascot

	2210.9944	2211.0728	0.0784	35	531	550	EVDGLDVSKEGMEAWEA AMK					Oxidation (M)[12]	Mascot
	2233.0627	2233.0535	-0.0092	-4	3561	3580	WQANSLPADDLCTENAI MLK						Mascot
	2283.1624	2283.1416	-0.0208	-9	2004	2024	QVKVSAEMAIFITMNPY AGR						Mascot
	2284.2561	2284.1375	-0.1186	-52	4504	4523	NIHVNLRGLFVPEAYITAT R						Mascot
42	ras GTPase-activating-like protein IQGAP1 [Danio rerio] gi 190358644						191517.8	6.11	20	36	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4944	882.5577	0.0633	72	838	843	RLQYFR					Mascot
890.4326	890.3811	-0.0515	-58	278	285	KEDQASGR					Mascot
918.4387	918.4679	0.0292	32	279	286	EDQASGRR					Mascot
929.505	929.5282	0.0232	25	368	377	DAGLGAQLGK					Mascot
999.4854	999.4427	-0.0427	-43	1363	1371	ENSLSQHGK					Mascot
1030.5105	1030.5696	0.0591	57	1552	1559	NNGYFFIR					Mascot
1045.5636	1045.5474	-0.0162	-15	1140	1148	LESSNQVLR					Mascot
1159.6317	1159.5892	-0.0425	-37	1476	1486	TLEQAGLVNSK					Mascot
1201.5591	1201.5469	-0.0122	-10	1628	1637	AKFMGVEMEK			Oxidation (M)[4,8]		Mascot
1216.5739	1216.6183	0.0444	36	240	250	GHAENTMTALR			Oxidation (M)[7]		Mascot
1216.5739	1216.6183	0.0444	36	240	250	GHAENTMTALR			Oxidation (M)[7]		Mascot
1235.6167	1235.6674	0.0507	41	839	847	LQYFRDHEK					Mascot
1270.7113	1270.6569	-0.0544	-43	398	409	QEAVVAINSAIR					Mascot
1336.7107	1336.6675	-0.0432	-32	262	273	ALAQVYQDTLSK					Mascot
1426.8125	1426.7114	-0.1011	-71	398	410	QEAVVAINSAIRR					Mascot
1592.8279	1592.6744	-0.1535	-96	1489	1501	YQEVINDISKDIR					Mascot
1597.7527	1597.7637	0.011	7	184	196	VDFTEEEISNMRK					Mascot
1608.7362	1608.6705	-0.0657	-41	1273	1287	GFFQAACDVPAPPEEK					Mascot
1762.9697	1762.861	-0.1087	-62	1047	1062	VDHIQEIVTGNPTVIK					Mascot
1762.9697	1762.861	-0.1087	-62	1047	1062	VDHIQEIVTGNPTVIK					Mascot
1880.8846	1880.875	-0.0096	-5	46	60	QNIAYEYLCHLEEA			Carbamidomethyl (C)[9]		Mascot
1995.0188	1994.9576	-0.0612	-31	240	257	GHAENTMTALRNPALL R			Oxidation (M)[7]		Mascot

43 PREDICTED: dynein heavy chain 3, axonemal [Danio rerio] gi|326679902 436828.9 5.36 30 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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814.4344	814.4111	-0.0233	-29	330	335	YLEVYK		Mascot
814.4344	814.4111	-0.0233	-29	330	335	YLEVYK		Mascot
818.4254	818.4782	0.0528	65	182	189	SSSIAPEK		Mascot
870.5043	870.5195	0.0152	17	248	254	LKLEDPR		Mascot
874.4491	874.4678	0.0187	21	1184	1190	AMSKFFK	Oxidation (M)[2]	Mascot
890.4465	890.3811	-0.0654	-73	2448	2455	ELVSADEK		Mascot
929.4363	929.5282	0.0919	99	42	48	DYEFSLR		Mascot
1007.4899	1007.5864	0.0965	96	2334	2341	IEVVEMCK	Carbamidomethyl (C)[7]	Mascot
1007.4899	1007.5864	0.0965	96	2334	2341	IEVVEMCK	Carbamidomethyl (C)[7]	Mascot
1030.5779	1030.5696	-0.0083	-8	511	519	IGQLEETLK		Mascot
1035.4598	1035.5024	0.0426	41	3823	3832	GVACLCQLDN		Mascot
1057.5312	1057.483	-0.0482	-46	42	49	DYEFSLRK		Mascot
1057.5312	1057.483	-0.0482	-46	42	49	DYEFSLRK		Mascot
1082.6205	1082.6184	-0.0021	-2	2564	2573	DNIPPASIKK		Mascot
1127.6241	1127.6427	0.0186	16	2186	2194	DNLKHLMLK	Oxidation (M)[7]	Mascot
1127.6241	1127.6427	0.0186	16	2186	2194	DNLKHLMLK	Oxidation (M)[7]	Mascot
1235.507	1235.6674	0.1604	130	1499	1508	QQAQCTNDDR	Carbamidomethyl (C)[5]	Mascot
1270.6534	1270.6569	0.0035	3	1961	1971	IMVQATMAVYK	Oxidation (M)[2]	Mascot
1320.7383	1320.6808	-0.0575	-44	452	462	HTSEVTIHKLR		Mascot
1355.5719	1355.6653	0.0934	69	985	995	QGMEQYSEMPR		Mascot
1382.6654	1382.7468	0.0814	59	2428	2438	QTDQMMVKIEK	Oxidation (M)[5,6]	Mascot
1404.6675	1404.6337	-0.0338	-24	2625	2636	EAEELAVQMOK		Mascot
1426.7433	1426.7114	-0.0319	-22	1414	1424	IIQVYEMMLVR	Oxidation (M)[7,8]	Mascot
1493.8322	1493.7046	-0.1276	-85	2816	2828	LSVIKLSDSNYVR		Mascot
1592.8503	1592.6744	-0.1759	-110	2140	2155	QDNHLLLVGIGGSGR		Mascot
1597.7236	1597.7637	0.0401	25	3567	3579	LPCDFDIEMVTNK	Carbamidomethyl (C)[3], Oxidation (M)[9]	Mascot
1727.8104	1727.8198	0.0094	5	3818	3832	HWVNRGVACLCQLDN		Mascot
1743.8622	1743.8185	-0.0437	-25	3580	3593	YPLLYEESMNTVLR	Oxidation (M)[9]	Mascot
1762.7999	1762.861	0.0611	35	2733	2745	VECQQQWLELCNR	Carbamidomethyl (C)[3,11]	Mascot
1762.7999	1762.861	0.0611	35	2733	2745	VECQQQWLELCNR	Carbamidomethyl (C)[3,11]	Mascot
1875.8905	1875.9133	0.0228	12	3309	3324	ICEEVITPENTHTSFR		Mascot
1951.8854	1952.0193	0.1339	69	2529	2546	QDPGGSGKMIEDFWGPS K	Oxidation (M)[9]	Mascot
2121.9402	2122.0508	0.1106	52	1170	1187	QCVVFNCSDGLDYKAMS K	Carbamidomethyl (C)[2,7]	Mascot
2122.0564	2122.0508	-0.0056	-3	3702	3718	KYTIPIDYIGFEFEVCK	Carbamidomethyl (C)[16]	Mascot
2284.2151	2284.1375	-0.0776	-34	1696	1715	NLLMGITDHPRMSVKL TK	Oxidation (M)[4,14]	Mascot

44 T-complex protein 1 subunit epsilon [Danio rerio] gi|47086803 59356.9 5.39 10 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
929.5302	929.5282	-0.002	-2	143	150 IAIEQLDK				Mascot
1082.5299	1082.6184	0.0885	82	283	290 DKFQEMIR		Oxidation (M)[6]		Mascot
1167.6302	1167.6489	0.0187	16	401	410 ALHDALCVIR	7	0 Carbamidomethyl (C)[7]		Mascot
1167.6302	1167.6489	0.0187	16	401	410 ALHDALCVIR		Carbamidomethyl (C)[7]		Mascot
1235.6123	1235.6674	0.0551	45	369	378 DRMLVIEECK				Mascot
1270.5554	1270.6569	0.1015	80	440	449 CPSLEQYAMR		Carbamidomethyl (C)[1], Oxidation (M)[9]		Mascot
1592.9053	1592.6744	-0.2309	-145	401	414 ALHDALCVIRNLVR				Mascot
1608.8479	1608.6705	-0.1774	-110	266	279 LDVTSVEDYKALQK				Mascot
1727.8785	1727.8198	-0.0587	-34	227	241 GVVDKEFSHPQMPK		Oxidation (M)[13]		Mascot
1762.9408	1762.861	-0.0798	-45	345	360 FCELTPEKLG TAGLVK		Carbamidomethyl (C)[2]		Mascot
1762.9408	1762.861	-0.0798	-45	345	360 FCELTPEKLG TAGLVK		Carbamidomethyl (C)[2]		Mascot
2122.0483	2122.0508	0.0025	1	418	439 IVYGGGASEIACALAVNE AADK				Mascot
2122.0483	2122.0508	0.0025	1	418	439 IVYGGGASEIACALAVNE AADK				Mascot

45 homeodomain protein [Danio rerio] gi|295695 6990.7 11.41 5 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
1019.5533	1019.5085	-0.0448	-44	47	53 IWFQNR				Mascot
1218.6742	1218.5825	-0.0917	-75	44	52 QVKIWFQNR				Mascot
1382.6964	1382.7468	0.0504	36	19	28 EFHFNRYLTR				Mascot
1404.661	1404.6337	-0.0273	-19	32	43 VEIAHTMCLSER		Oxidation (M)[7]		Mascot
1743.8881	1743.8185	-0.0696	-40	32	46 VEIAHTMCLSERQVK				Mascot
1759.8829	1759.8187	-0.0642	-36	32	46 VEIAHTMCLSERQVK		Oxidation (M)[7]		Mascot

46 novel protein similar to vertebrate uveal autoantigen with coiled-coil domains and ankyrin repeats gi|157886098 84044.6 5.83 12 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
818.4002	818.4782	0.078	95	714	720 QLEESGR				Mascot
842.5094	842.4996	-0.0098	-12	330	337 LDAALALR				Mascot

	918.4713	918.4679	-0.0034	-4	589	596	VALAEMER										Mascot
	999.3692	999.4427	0.0735	74	755	761	MREECVC										Mascot
	1216.5925	1216.6183	0.0258	21	382	391	QMQAHLMAVR	1	0			Oxidation (M)[2,7]					Mascot
	1216.5925	1216.6183	0.0258	21	382	391	QMQAHLMAVR					Oxidation (M)[2,7]					Mascot
	1259.6049	1259.5708	-0.0341	-27	109	119	CPVDSIDLQGR					Carbamidomethyl (C)[1]					Mascot
	1336.6353	1336.6675	0.0322	24	347	358	SSEQALHASHNR										Mascot
	1644.8625	1644.8022	-0.0603	-37	583	596	EVEQLKVALAEMER										Mascot
	1644.8625	1644.8022	-0.0603	-37	583	596	EVEQLKVALAEMER										Mascot
	1743.8507	1743.8185	-0.0322	-18	601	615	VPNTKEEGVQTEEQR										Mascot
	1951.9	1952.0193	0.1193	61	463	478	TRLADIETNHAEMFCK					Carbamidomethyl (C)[15], Oxidation (M)[13]					Mascot
	1995.1022	1994.9576	-0.1446	-72	254	273	TTQAKPPPAGIGWTKAG SVK										Mascot
	2283.1284	2283.1416	0.0132	6	539	557	HQCILEENQSLLETQEQ K										Mascot
47	novel protein [Danio rerio]				gi 148725634		88547.7	5.1	12	35	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5345	842.4996	-0.0349	-41	588	595	IIASPLTK					Mascot
870.4791	870.5195	0.0404	46	199	205	ETSRHIK					Mascot
1035.5581	1035.5024	-0.0557	-54	25	33	SVQFKVGDR					Mascot
1050.5322	1050.4878	-0.0444	-42	40	48	MLSCPEKVK			Oxidation (M)[1]		Mascot
1050.5322	1050.4878	-0.0444	-42	40	48	MLSCPEKVK			Oxidation (M)[1]		Mascot
1057.5208	1057.483	-0.0378	-36	423	431	NLSNMSVHR					Mascot
1057.5208	1057.483	-0.0378	-36	423	431	NLSNMSVHR					Mascot
1082.4791	1082.6184	0.1393	129	38	46	CRMLSCPEK			Oxidation (M)[3]		Mascot
1235.6049	1235.6674	0.0625	51	485	496	SSGPSLAGERMK			Oxidation (M)[11]		Mascot
1288.6281	1288.6763	0.0482	37	150	160	VVHRESGDFDK					Mascot
1335.6638	1335.6278	-0.036	-27	344	356	EGAETSVTIDSVK					Mascot
1382.7162	1382.7468	0.0306	22	184	196	ASLNIEGVPEEK					Mascot
1426.7219	1426.7114	-0.0105	-7	423	434	NLSNMSVHRQPK			Oxidation (M)[5]		Mascot
2210.948	2211.0728	0.1248	56	357	375	LSDTGMFVCEAFNEYGS QR			Carbamidomethyl (C)[9]		Mascot

48 reverse transcriptase [Danio rerio] gi|34392545 93280.8 10.05 16 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
818.477	818.4782	0.0012	1	392	399	SGLPGIFK					Mascot

842.5206	842.4996	-0.021	-25	103	109	QLLGQKR		Mascot
890.4941	890.3811	-0.113	-127	784	792	GIASNTLSK		Mascot
1030.5826	1030.5696	-0.013	-13	68	75	KQLVNLCR	Carbamidomethyl (C)[7]	Mascot
1035.5834	1035.5024	-0.081	-78	254	262	LSNFLLSNK		Mascot
1050.4707	1050.4878	0.0171	16	775	783	CMPVEVGSR	Carbamidomethyl (C)[1], Oxidation (M)[2]	Mascot
1050.4707	1050.4878	0.0171	16	775	783	CMPVEVGSR	Carbamidomethyl (C)[1], Oxidation (M)[2]	Mascot
1167.5463	1167.6489	0.1026	88	759	767	YQELVEQCR		Mascot
1167.5463	1167.6489	0.1026	88	759	767	YQELVEQCR		Mascot
1206.5935	1206.5884	-0.0051	-4	570	579	GKQAMEWNVK	Oxidation (M)[5]	Mascot
1235.6279	1235.6674	0.0395	32	635	644	ALGEGQYRWR		Mascot
1320.7675	1320.6808	-0.0867	-66	91	102	AAFLANPFKLTk		Mascot
1355.7583	1355.6653	-0.093	-69	400	410	AWVYQHGIllR		Mascot
1493.807	1493.7046	-0.1024	-69	522	535	LGSLAATRYDLASR		Mascot
1532.6434	1532.746	0.1026	67	364	376	AFNCsFNDSDSIR	Carbamidomethyl (C)[4]	Mascot
1608.8969	1608.6705	-0.2264	-141	672	684	VIHFIKEGQRPER		Mascot
1727.7662	1727.8198	0.0536	31	555	569	SSRAMAMPQQGAWMK	Oxidation (M)[5,7,14]	Mascot
2283.1841	2283.1416	-0.0425	-19	580	599	EGHLDIQPPENQVLDPR GLR		Mascot

PREDICTED: hypothetical protein LOC100538192
[Danio rerio]

gi|326664724

9.01

25

35

0

Peptide Information				Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm								
814.4669	814.4111	-0.0558	-69	1335	1341	LTPLDQK					Mascot
814.4669	814.4111	-0.0558	-69	1335	1341	LTPLDQK					Mascot
856.4424	856.5143	0.0719	84	1963	1968	WHTKER					Mascot
870.4654	870.5195	0.0541	62	465	470	IFFCRK			Carbamidomethyl (C)[4]		Mascot
874.5244	874.4678	-0.0566	-65	162	169	EATVTLLK					Mascot
1050.5071	1050.4878	-0.0193	-18	1693	1701	VVDSCVICR			Carbamidomethyl (C)[5]		Mascot
1050.5071	1050.4878	-0.0193	-18	1693	1701	VVDSCVICR			Carbamidomethyl (C)[5]		Mascot
1057.6	1057.483	-0.117	-111	854	861	ERELEIIR					Mascot
1057.6	1057.483	-0.117	-111	854	861	ERELEIIR					Mascot
1127.6782	1127.6427	-0.0355	-31	1935	1944	LKVIQGEV NK					Mascot
1127.6782	1127.6427	-0.0355	-31	1935	1944	LKVIQGEV NK					Mascot
1159.5953	1159.5892	-0.0061	-5	279	288	IQLVDSVDDR					Mascot
1201.686	1201.5469	-0.1391	-116	340	349	VIELIQMVEK					Mascot
1206.5459	1206.5884	0.0425	35	823	833	WDSIGTACEPK					Mascot

1216.6321	1216.6183	-0.0138	-11	529	538	WDLKNLNEGK		Mascot
1216.6321	1216.6183	-0.0138	-11	529	538	WDLKNLNEGK		Mascot
1235.6234	1235.6674	0.044	36	1693	1702	VVDSVCVCRK	Carbamidomethyl (C)[5,8]	Mascot
1320.653	1320.6808	0.0278	21	1819	1830	LETSELEAEATK		Mascot
1336.7947	1336.6675	-0.1272	-95	641	653	GEKITLVVHGVGK		Mascot
1382.5927	1382.7468	0.1541	111	447	460	DSTEAGCIVCGAEK		Mascot
1404.8434	1404.6337	-0.2097	-149	715	726	RPGKIDLLISHR		Mascot
1426.8013	1426.7114	-0.0899	-63	1993	2005	VIQVNADDKGIVR		Mascot
1438.7424	1438.7734	0.031	22	1537	1548	LVDEEKYSNLTK		Mascot
1454.7097	1454.7035	-0.0062	-4	1014	1024	KMYNSVWLEER		Mascot
1493.8984	1493.7046	-0.1938	-130	644	657	ITLVVHGVGKMAIR		Mascot
1532.9271	1532.746	-0.1811	-118	987	1000	GPDVLPPIRAVLLR		Mascot
1644.8413	1644.8022	-0.0391	-24	678	691	AHQLICYGLEEIAK	Carbamidomethyl (C)[6]	Mascot
1644.8413	1644.8022	-0.0391	-24	678	691	AHQLICYGLEEIAK	Carbamidomethyl (C)[6]	Mascot
1759.8973	1759.8187	-0.0786	-45	1318	1332	WNTDQGDIVRLVESK		Mascot
1880.9332	1880.875	-0.0582	-31	1747	1762	VHLKVGIVYCCMASR	Oxidation (M)[13]	Mascot
1994.9761	1994.9576	-0.0185	-9	1747	1762	VHLKVGIVYCCMASR	Carbamidomethyl (C)[11,12], Oxidation (M)[13]	Mascot
2211.0215	2211.0728	0.0513	23	816	833	EFIDWWKWDSIGTACEPK		Mascot

50 Ifit2 protein [Danio rerio] gi|115313658 52215.1 8.17 11 35 0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
818.389	818.4782	0.0892	109	411	418	TPGDSVDK			Mascot
870.4025	870.5195	0.117	134	303	309	CLADTYK		Carbamidomethyl (C)[1]	Mascot
929.5665	929.5282	-0.0383	-41	213	220	AEILEKVK			Mascot
1019.4462	1019.5085	0.0623	61	179	187	MASEAEPER			Mascot
1035.4412	1035.5024	0.0612	59	179	187	MASEAEPER		Oxidation (M)[1]	Mascot
1050.4963	1050.4878	-0.0085	-8	286	293	EGERFQER			Mascot
1050.4963	1050.4878	-0.0085	-8	286	293	EGERFQER			Mascot
1127.5554	1127.6427	0.0873	77	303	311	CLADTYKWK			Mascot
1127.5554	1127.6427	0.0873	77	303	311	CLADTYKWK			Mascot
1210.65	1210.7117	0.0617	51	300	309	VLKCLADTYK		Carbamidomethyl (C)[4]	Mascot
1259.6953	1259.5708	-0.1245	-99	240	250	LSDVTKVNVER			Mascot
1532.7915	1532.746	-0.0455	-30	78	91	SLGSDREALESQK			Mascot
1762.833	1762.861	0.028	16	348	362	VALAAMHYAHNTER		Oxidation (M)[6]	Mascot

1762.833	1762.861	0.028	16	348	362	VALAAMHYAHNTER	Oxidation (M)[6]	Mascot
2211.0459	2211.0728	0.0269	12	201	218	ACLWYECTPEQKAEILEK	Carbamidomethyl (C)[2]	Mascot

Gel Idx/Pos	216/116	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Pgk1 protein [Danio rerio]	gi 41388972	44689.9	6.47	19	931	100	795	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
892.4886	892.4795	-0.0091	-10	323	330 LYAEAVAR					Mascot
892.4886	892.4795	-0.0091	-10	323	330 LYAEAVAR	57	99.944			Mascot
916.4522	916.4437	-0.0085	-9	124	131 FHVAEEGK					Mascot
1072.5494	1072.5409	-0.0085	-8	31	39 NNVTNNQR	76	100			Mascot
1072.5494	1072.5409	-0.0085	-8	31	39 NNVTNNQR					Mascot
1107.5428	1107.5332	-0.0096	-9	142	151 ASQAEIDAFR	81	100			Mascot
1107.5428	1107.5332	-0.0096	-9	142	151 ASQAEIDAFR					Mascot
1219.6569	1219.6447	-0.0122	-10	76	86 YSLEPVAAELK					Mascot
1367.71	1367.803	0.093	68	172	184 AHSSMVGVNLPQK					Mascot
1383.705	1383.6879	-0.0171	-12	172	184 AHSSMVGVNLPQK			Oxidation (M)[5]		Mascot
1634.7921	1634.7799	-0.0122	-7	157	171 LGDVYVNDAFGTAHR	134	100			Mascot
1634.7921	1634.7799	-0.0122	-7	157	171 LGDVYVNDAFGTAHR					Mascot
1683.7941	1683.7804	-0.0137	-8	42	56 AAVPSIQHCLDNCAK			Carbamidomethyl (C)[9,13]		Mascot
1740.9126	1740.8966	-0.016	-9	389	406 VSHVSTGGGASLELLEGK					Mascot
1743.8807	1743.8707	-0.01	-6	231	246 VNEMIIGGGMAFTFLK			Oxidation (M)[4]		Mascot
1759.8757	1759.8629	-0.0128	-7	231	246 VNEMIIGGGMAFTFLK			Oxidation (M)[4,10]		Mascot
1795.937	1795.9229	-0.0141	-8	107	123 ACADPPAGSVILLENLR			Carbamidomethyl (C)[2]		Mascot
1795.937	1795.9229	-0.0141	-8	107	123 ACADPPAGSVILLENLR	148	100	Carbamidomethyl (C)[2]		Mascot
1851.9739	1851.9554	-0.0185	-10	280	295 ITLPVDFITADKFDEK	82	100			Mascot
1851.9739	1851.9554	-0.0185	-10	280	295 ITLPVDFITADKFDEK					Mascot
1969.9423	1969.9259	-0.0164	-8	250	267 NMEIGTSLFDEEGSTIVK					Mascot
1985.9371	1985.9213	-0.0158	-8	250	267 NMEIGTSLFDEEGSTIVK	65	99.991	Oxidation (M)[2]		Mascot
1985.9371	1985.9213	-0.0158	-8	250	267 NMEIGTSLFDEEGSTIVK			Oxidation (M)[2]		Mascot
2019.0514	2019.0311	-0.0203	-10	57	75 AVVLMShLGRPDGVPMPDK					Mascot
2035.0463	2035.0297	-0.0166	-8	57	75 AVVLMShLGRPDGVPMP			Oxidation (M)[5]		Mascot

	2051.0413	2051.0251	-0.0162	-8	57	75	AVVLMSHLGRPDGVPMP DK						Oxidation (M)[5,16]	Mascot
	2401.1724	2401.1543	-0.0181	-8	333	353	QIVWNGPVGVEWDNFA HGTK							Mascot
	2401.1724	2401.1543	-0.0181	-8	333	353	QIVWNGPVGVEWDNFA HGTK	152	100					Mascot
	2515.231	2515.2087	-0.0223	-9	383	406	WDTEDKVSHVSTGGGAS LLELEGK							Mascot
	2664.228	2664.2173	-0.0107	-4	296	322	ATTGTATVAEGIPAGWM GLDCGPESK						Carbamidomethyl (C)[21]	Mascot
	2678.4375	2678.4114	-0.0261	-10	193	216	ELDYFAMALEKPQRPFLA ILGGAK							Mascot
	2680.2229	2680.2222	-0.0007	0	296	322	ATTGTATVAEGIPAGWM GLDCGPESK						Carbamidomethyl (C)[21], Oxidation (M)[17]	Mascot
	2694.4324	2694.4131	-0.0193	-7	193	216	ELDYFAMALEKPQRPFLA ILGGAK						Oxidation (M)[7]	Mascot
	3219.6904	3219.655	-0.0354	-11	57	86	AVVLMSHLGRPDGVPMP DKYSLEPVAAELK							Mascot
	3235.6853	3235.6675	-0.0178	-6	57	86	AVVLMSHLGRPDGVPMP DKYSLEPVAAELK						Oxidation (M)[5]	Mascot
	3251.6802	3251.6763	-0.0039	-1	57	86	AVVLMSHLGRPDGVPMP DKYSLEPVAAELK						Oxidation (M)[5,16]	Mascot
2	phosphoglycerate kinase 1 [Danio rerio]					gi 47087077	44661.9	6.47	18	912	100	795	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
892.4886	892.4795	-0.0091	-10	323	330	LYAEAVAR					Mascot
892.4886	892.4795	-0.0091	-10	323	330	LYAEAVAR	57	99.944			Mascot
916.4522	916.4437	-0.0085	-9	124	131	FHVAEEGK					Mascot
1072.5494	1072.5409	-0.0085	-8	31	39	NNVITNNQR	76	100			Mascot
1072.5494	1072.5409	-0.0085	-8	31	39	NNVITNNQR					Mascot
1107.5428	1107.5332	-0.0096	-9	142	151	ASQAEIDAFR	81	100			Mascot
1107.5428	1107.5332	-0.0096	-9	142	151	ASQAEIDAFR					Mascot
1219.6569	1219.6447	-0.0122	-10	76	86	YSLEPVAAELK					Mascot
1367.71	1367.803	0.093	68	172	184	AHSSMVGYNLPQK					Mascot
1383.705	1383.6879	-0.0171	-12	172	184	AHSSMVGYNLPQK			Oxidation (M)[5]		Mascot
1634.7921	1634.7799	-0.0122	-7	157	171	LGDVYVNDAFGTAHR	134	100			Mascot
1634.7921	1634.7799	-0.0122	-7	157	171	LGDVYVNDAFGTAHR					Mascot
1683.7941	1683.7804	-0.0137	-8	42	56	AAVPSIQHC LDNCAK			Carbamidomethyl (C)[9,13]		Mascot
1740.9126	1740.8966	-0.016	-9	389	406	VSHVSTGGGASLELEG K					Mascot
1743.8807	1743.8707	-0.01	-6	231	246	VNEMIIGGGMAFTFLK			Oxidation (M)[4]		Mascot
1759.8757	1759.8629	-0.0128	-7	231	246	VNEMIIGGGMAFTFLK			Oxidation (M)[4,10]		Mascot
1795.937	1795.9229	-0.0141	-8	107	123	ACADPPAGSVILLENLR			Carbamidomethyl (C)[2]		Mascot
1795.937	1795.9229	-0.0141	-8	107	123	ACADPPAGSVILLENLR	148	100	Carbamidomethyl (C)[2]		Mascot

1851.9739	1851.9554	-0.0185	-10	280	295	ITLPVDFITADKFDEK	82	100		Mascot
1851.9739	1851.9554	-0.0185	-10	280	295	ITLPVDFITADKFDEK				Mascot
1969.9423	1969.9259	-0.0164	-8	250	267	NMEIGTSLFDEEGSTIVK				Mascot
1985.9371	1985.9213	-0.0158	-8	250	267	NMEIGTSLFDEEGSTIVK	65	99.991	Oxidation (M)[2]	Mascot
1985.9371	1985.9213	-0.0158	-8	250	267	NMEIGTSLFDEEGSTIVK			Oxidation (M)[2]	Mascot
2019.0076	2019.0311	0.0235	12	23	39	VDFNVPMKNNVITNNQR			Oxidation (M)[7]	Mascot
2401.1724	2401.1543	-0.0181	-8	333	353	QIVWNGPVGVFWDNFA HGTK				Mascot
2401.1724	2401.1543	-0.0181	-8	333	353	QIVWNGPVGVFWDNFA HGTK	152	100		Mascot
2515.231	2515.2087	-0.0223	-9	383	406	WDTEDKVSHVSTGGGAS LELLEGK				Mascot
2664.228	2664.2173	-0.0107	-4	296	322	ATTGTATVAEGIPAGWM GLDCGPESK			Carbamidomethyl (C)[21]	Mascot
2678.4375	2678.4114	-0.0261	-10	193	216	ELDYFAMALEKPQRPFLA ILGGAK				Mascot
2680.2229	2680.2222	-0.0007	0	296	322	ATTGTATVAEGIPAGWM GLDCGPESK			Carbamidomethyl (C)[21], Oxidation (M)[17]	Mascot
2694.4324	2694.4131	-0.0193	-7	193	216	ELDYFAMALEKPQRPFLA ILGGAK			Oxidation (M)[7]	Mascot

3 PREDICTED: zinc finger protein 135-like [Danio rerio] gi|326674472 66095.9 9.24 14 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
996.4996	996.5902	0.0906	91	120	128	SFTTADNLK				Mascot
1072.5786	1072.5409	-0.0377	-35	273	281	IHTGEKPYK				Mascot
1072.5786	1072.5409	-0.0377	-35	385	393	IHTGEKPYK				Mascot
1624.7094	1624.9399	0.2305	142	329	343	THAGEKPYTCTECGK				Mascot
1704.7179	1704.9127	0.1948	114	525	539	IHTGEEPYCCPPCQK				Mascot
1716.7356	1716.8351	0.0995	58	394	408	CSYCEKSFSYSGSLR				Mascot
1759.8142	1759.8629	0.0487	28	506	520	CSYCEKSFIQSSHLK				Mascot
1785.8298	1785.7939	-0.0359	-20	385	399	IHTGEKPYKCSYCEK				Mascot
1790.7836	1790.8762	0.0926	52	282	296	CSYCEKSFTTHSSNLK			Carbamidomethyl (C)[1]	Mascot
1809.8258	1809.939	0.1132	63	328	343	KTHAGEKPYTCTECGK			Carbamidomethyl (C)[11]	Mascot
1809.8258	1809.939	0.1132	63	328	343	KTHAGEKPYTCTECGK			Carbamidomethyl (C)[11]	Mascot
1851.9244	1851.9554	0.031	17	441	455	IHTNEKPYACLFCKK			Carbamidomethyl (C)[10]	Mascot
1851.9244	1851.9554	0.031	17	441	455	IHTNEKPYACLFCKK			Carbamidomethyl (C)[10]	Mascot
1873.8571	1873.9403	0.0832	44	506	520	CSYCEKSFIQSSHLK			Carbamidomethyl (C)[1,4]	Mascot
2034.9272	2035.0297	0.1025	50	217	232	IHTHEKVYACAFCENR			Carbamidomethyl (C)[10,13]	Mascot
2210.978	2211.0867	0.1087	49	130	147	HQMIHNGEKPYKCSYCE K			Oxidation (M)[3]	Mascot
2680.2017	2680.2222	0.0205	8	329	352	THAGEKPYTCTECGKSF				Mascot

	3219.5251	3219.655	0.1299	40	181	207	SQLDSYK TYLTYHLHVHTGEKPFTC TQCGHDFKR						Mascot
4	PREDICTED: zinc finger protein 658B-like [Danio rerio] gi 326674478 70239.1 9.34 12 41 0												

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type	
1072.5786	1072.5409	-0.0377	-35	170	178	IHTGEKPYK					Mascot	
1072.5786	1072.5409	-0.0377	-35	397	405	IHTGEKPYK					Mascot	
1179.4921	1179.5914	0.0993	84	236	244	CSYCEKSFR			Carbamidomethyl (C)[1]		Mascot	
1234.6399	1234.6636	0.0237	19	505	514	RHQITHTGER					Mascot	
1624.7094	1624.9399	0.2305	142	341	355	THAGEKPYTCTECGK					Mascot	
1759.8254	1759.8629	0.0375	21	59	73	IHTGEKPHKCSYCEK					Mascot	
1785.8298	1785.7939	-0.0359	-20	397	411	IHTGEKPYKCSYCEK					Mascot	
1795.8506	1795.9229	0.0723	40	3	17	IHTNEKPYACLFCEK					Mascot	
1795.8506	1795.9229	0.0723	40	3	17	IHTNEKPYACLFCEK					Mascot	
1809.8258	1809.939	0.1132	63	340	355	KTHAGEKPYTCTECGK			Carbamidomethyl (C)[11]		Mascot	
1809.8258	1809.939	0.1132	63	113	128	KTHAGEKPYTCTECGK			Carbamidomethyl (C)[11]		Mascot	
1851.8251	1851.9554	0.1303	70	546	560	CSYCEKSFIQSSDLK			Carbamidomethyl (C)[1,4]		Mascot	
1851.8251	1851.9554	0.1303	70	546	560	CSYCEKSFIQSSDLK			Carbamidomethyl (C)[1,4]		Mascot	
1873.8683	1873.9403	0.072	38	59	73	IHTGEKPHKCSYCEK			Carbamidomethyl (C)[10,13]		Mascot	
1970.9463	1970.9413	-0.005	-3	515	532	DHVCLQCGKSFTTAGYL K					Mascot	
1970.9463	1970.9413	-0.005	-3	515	532	DHVCLQCGKSFTTAGYL K					Mascot	
2211.0183	2211.0867	0.0684	31	421	439	SHERIHTGEKPYHCTQC GK					Mascot	
2680.2017	2680.2222	0.0205	8	341	364	THAGEKPYTCTECGKSF SQLDSYK					Mascot	

5	Baz1a protein [Danio rerio] gi 62203451 43026.5 9.42 10 39 0											
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Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type	
892.4669	892.4795	0.0126	14	128	134	STRQLCK			Carbamidomethyl (C)[6]		Mascot	
892.4669	892.4795	0.0126	14	128	134	STRQLCK			Carbamidomethyl (C)[6]		Mascot	
916.5098	916.4437	-0.0661	-72	338	344	RILEEEK					Mascot	
1045.3999	1045.554	0.1541	147	303	310	EQMMSMEK			Oxidation (M)[3,4]		Mascot	
1234.7782	1234.6636	-0.1146	-93	2	11	PLLHKKPFVR					Mascot	
1624.7676	1624.9399	0.1723	106	101	113	LHEICDDVYAYVK			Carbamidomethyl (C)[5]		Mascot	

1657.7417	1657.808	0.0663	40	298	310	LMQQKEQMMSMEK	Oxidation (M)[2]	Mascot
1971.0367	1970.9413	-0.0954	-48	193	209	YRVQPVSPPEACEPVIVK	Carbamidomethyl (C)[11]	Mascot
1971.0367	1970.9413	-0.0954	-48	193	209	YRVQPVSPPEACEPVIVK	Carbamidomethyl (C)[11]	Mascot
2018.9778	2019.0311	0.0533	26	278	295	GRPPNNASSTEINYIEEK		Mascot
2283.1836	2283.1572	-0.0264	-12	195	215	VQPVSPEACEPVIVKVAQ MSR	Oxidation (M)[19]	Mascot
2384.1484	2384.1287	-0.0197	-8	231	251	QHCEPMHGTIGVKPSSA LQYK	Carbamidomethyl (C)[3], Oxidation (M)[6]	Mascot

6 protein Wnt-1 [Danio rerio] gi|319655701 40983.9 9.23 11 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
892.4193	892.4795	0.0602	67	338	344	MEQVTER					Mascot
892.4193	892.4795	0.0602	67	338	344	MEQVTER					Mascot
996.4719	996.5902	0.1183	119	91	97	ECKWQFR					Mascot
1107.5905	1107.5332	-0.0573	-52	255	264	VVYANKGSNR					Mascot
1107.5905	1107.5332	-0.0573	-52	255	264	VVYANKGSNR					Mascot
1165.563	1165.5778	0.0148	13	336	344	TRMEQVTER			Oxidation (M)[3]		Mascot
1165.563	1165.736	0.173	148	336	344	TRMEQVTER			Oxidation (M)[3]		Mascot
1475.6583	1475.74	0.0817	55	178	189	MFGREFVDSSER			Oxidation (M)[1]		Mascot
1743.8384	1743.8707	0.0323	19	100	114	RWNCPTTHSPNVFGK					Mascot
1785.899	1785.7939	-0.1051	-59	192	206	DLRYLTNLHNNEAGR					Mascot
1970.8773	1970.9413	0.064	32	295	313	SPNFCSYNGKTGTHGTS GR					Mascot
1970.8773	1970.9413	0.064	32	295	313	SPNFCSYNGKTGTHGTS GR					Mascot
1985.802	1985.9213	0.1193	60	219	234	CHGMSGCTVRTCWMR			Carbamidomethyl (C)[1,8,13]		Mascot
1985.8184	1985.9213	0.1029	52	314	332	TCNSSSPALDGCELLCC GR			Carbamidomethyl (C)[2]		Mascot
2678.1411	2678.4114	0.2703	101	158	181	GPGGPDWHWGGCSDNV EFGRMFGR			Carbamidomethyl (C)[12]		Mascot
2694.136	2694.4131	0.2771	103	158	181	GPGGPDWHWGGCSDNV EFGRMFGR			Carbamidomethyl (C)[12], Oxidation (M)[21]		Mascot

7 novel protein similar to vertebrate actin filament associated protein 1-like 1 (AFAP1L1, zgc:114084)

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.5145	850.5363	0.0218	26	383	389	IISFSKR					Mascot
892.4787	892.4795	0.0008	1	226	232	RFGQWAK					Mascot
892.4787	892.4795	0.0008	1	226	232	RFGQWAK					Mascot

		996.4819	996.5902	0.1083	109	133	140	MPEYITSR													Mascot
		1072.6361	1072.5409	-0.0952	-89	671	679	LTQVKENLK													Mascot
		1072.6361	1072.5409	-0.0952	-89	671	679	LTQVKENLK													Mascot
		1378.6671	1378.795	0.1279	93	327	337	IELDKWCSAEK					Carbamidomethyl (C)[7]								Mascot
		1716.8473	1716.8351	-0.0122	-7	21	35	LLDHETLSCATEEKK													Mascot
		1795.8564	1795.9229	0.0665	37	644	658	LTLEECVTKLEDSCR					Carbamidomethyl (C)[6]								Mascot
		1795.8564	1795.9229	0.0665	37	644	658	LTLEECVTKLEDSCR					Carbamidomethyl (C)[6]								Mascot
		1809.7742	1809.939	0.1648	91	470	487	GGAEEVAALEASCSSEDMGR					Carbamidomethyl (C)[12]								Mascot
		1809.7742	1809.939	0.1648	91	470	487	GGAEEVAALEASCSSEDMGR		3		0	Carbamidomethyl (C)[12]								Mascot
		1954.8407	1954.954	0.1133	58	338	355	QTSDSDSMPSGESARDIR					Oxidation (M)[8]								Mascot
		2225.0979	2225.0999	0.002	1	681	701	SLAGGEMEAPTESKPAHKTQR													Mascot
		2423.0676	2423.1296	0.062	26	702	721	TEAQYMESFLPVNCASEMRK					Carbamidomethyl (C)[14], Oxidation (M)[6,18]								Mascot
		2664.1851	2664.2173	0.0322	12	699	720	TQRTEAQYMESFLPVCASEMR					Carbamidomethyl (C)[17], Oxidation (M)[9]								Mascot
		2680.1799	2680.2222	0.0423	16	699	720	TQRTEAQYMESFLPVCASEMR					Carbamidomethyl (C)[17], Oxidation (M)[9,21]								Mascot
8	PREDICTED: alpha-2-macroglobulin-like protein 1-like [Danio rerio]							gi 326674176	151677.6	7.04	17	38	0								

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5458	842.5032	-0.0426	-51	378	384	TLQKKPK					Mascot
882.577	882.5602	-0.0168	-19	1336	1343	NLKPAVIK					Mascot
916.5614	916.4437	-0.1177	-128	2	9	VTFPAILR					Mascot
1051.5782	1051.7026	0.1244	118	1234	1242	SNKLEFSVK					Mascot
1165.4579	1165.5778	0.1199	103	1354	1363	AEAETNHCA			Carbamidomethyl (C)[9]		Mascot
1179.652	1179.5914	-0.0606	-51	455	464	GEVTFKVPFR					Mascot
1234.6533	1234.6636	0.0103	8	16	25	LCMSLLKPEK			Carbamidomethyl (C)[2], Oxidation (M)[3]		Mascot
1475.8217	1475.74	-0.0817	-55	2	15	VTFPAILRSGSEAK					Mascot
1657.8254	1657.808	-0.0174	-10	581	595	TGDAVFETFKNMGLK					Mascot
1704.8447	1704.9127	0.068	40	730	743	ATVFNYQSKCIMVK			Carbamidomethyl (C)[10], Oxidation (M)[12]		Mascot
1740.9438	1740.8966	-0.0472	-27	213	228	LGVCGRYTHGRPVLGR					Mascot
1790.7068	1790.8762	0.1694	95	756	771	ASSDDQYSSCLCANGR			Carbamidomethyl (C)[10,12]		Mascot
1873.9694	1873.9403	-0.0291	-16	723	738	GEIFELKATVFNYQSK					Mascot
2035.0746	2035.0297	-0.0449	-22	1051	1068	NLYTSALLSYTFSIAKDK					Mascot
2155.1104	2155.0056	-0.1048	-49	623	641	TSVCYISLSLALHIYTDQK					Mascot
2384.0164	2384.1287	0.1123	47	554	572	MLPTMTFTYDVEDQMEC			Carbamidomethyl (C)[17], Oxidation (M)[1,5]		Mascot

	2423.1948	2423.1296	-0.0652	-27	842	863	LK GQNHLEEEVELAFPQNVIE GSGR									Mascot
9	PREDICTED: caseinolytic peptidase B protein homolog, gi 292621865 partial [Danio rerio]															
Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
	892.4634	892.4795	0.0161	18	266	272	RDEFLGR							Mascot		
	892.4634	892.4795	0.0161	18	266	272	RDEFLGR	12		0				Mascot		
	1378.7225	1378.795	0.0725	53	323	334	GYNLHYGARSIK							Mascot		
	1740.7567	1740.8966	0.1399	80	120	133	MDMSEFQEKHEVAK				Oxidation (M)[1,3]			Mascot		
	1954.9982	1954.954	-0.0442	-23	1	18	ADPSLKNDLGHTPLSYAR							Mascot		
	2035.1042	2035.0297	-0.0745	-37	56	74	EHIIQGEGAINTVASAIRR							Mascot		
	2284.168	2284.1541	-0.0139	-6	7	27	NDLGHTPLSYARDGELS AVLR							Mascot		
	2515.261	2515.2087	-0.0523	-21	199	221	DAIFIMTSNAASDEIAQHA LQLR							Mascot		
10	glutaminyl-tRNA synthetase [Danio rerio]															
						gi 41055038	49422.5	8.16	8	38	0	16	0			
Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
	892.4556	892.4795	0.0239	27	218	224	SLMEQLR				Oxidation (M)[3]			Mascot		
	892.4556	892.4795	0.0239	27	218	224	SLMEQLR	16		0	Oxidation (M)[3]			Mascot		
	916.525	916.4437	-0.0813	-89	158	165	WADGKIVK							Mascot		
	1051.5796	1051.7026	0.123	117	419	426	IKYTPHHR							Mascot		
	1219.6429	1219.6447	0.0018	1	64	73	DTNRPQFLTK							Mascot		
	1657.7383	1657.808	0.0697	42	405	418	MVMEDGKMDPVAYR				Oxidation (M)[1]			Mascot		
	1683.802	1683.7804	-0.0216	-13	352	365	GHAYVCHQRGEELK				Carbamidomethyl (C)[6]			Mascot		
	1852.0076	1851.9554	-0.0522	-28	64	78	DTNRPQFLTKYISR							Mascot		
	1852.0076	1851.9554	-0.0522	-28	64	78	DTNRPQFLTKYISR							Mascot		
	1969.9072	1969.9259	0.0187	9	292	308	ANNGICFLRYDDTNPEK							Mascot		
11	glycerophosphodiester phosphodiesterase domain-containing protein 1 [Danio rerio]															
Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
	882.4614	882.5602	0.0988	112	24	30	CPSLLHR				Carbamidomethyl (C)[1]			Mascot		

	892.486	892.4795	-0.0065	-7	38	44	SRHISHR						Mascot
	892.486	892.4795	-0.0065	-7	38	44	SRHISHR						Mascot
	916.5098	916.4437	-0.0661	-72	153	160	VNNDTLIK						Mascot
	1045.5425	1045.554	0.0115	11	262	270	SLFDHLTGR						Mascot
	1234.7153	1234.6636	-0.0517	-42	162	171	VSELVIQYKR						Mascot
	1624.8652	1624.9399	0.0747	46	78	91	DEQVVVLHDSSLKR						Mascot
	1634.7731	1634.7799	0.0068	4	306	318	EFMEKNNYTTTIK			Oxidation (M)[3]			Mascot
	1634.7731	1634.7799	0.0068	4	306	318	EFMEKNNYTTTIK			Oxidation (M)[3]			Mascot
	2384.3223	2384.1287	-0.1936	-81	132	152	IPLLRDVFEAFSTPVDIK						Mascot
	2401.1743	2401.1543	-0.02	-8	92	113	STGINAYVADVAYADLPPYLCK			Carbamidomethyl (C)[21]			Mascot
	2401.1743	2401.1543	-0.02	-8	92	113	STGINAYVADVAYADLPPYLCK			Carbamidomethyl (C)[21]			Mascot
12	Ppp1r3b protein [Danio rerio]				gi 190337192		33606.4	5.74	8	37	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1051.5782	1051.7026	0.1244	118	157	165	NISFEKSVK					Mascot
1179.6521	1179.5914	-0.0607	-51	166	174	LRITFDTWK					Mascot
1683.7651	1683.7804	0.0153	9	132	145	IENDHVCLEHCMLK					Mascot
1740.7866	1740.8966	0.11	63	132	145	IENDHVCLEHCMLK			Carbamidomethyl (C)[7]		Mascot
1809.8258	1809.939	0.1132	63	24	39	YSGPLQPCLNQCSSK			Carbamidomethyl (C)[8]		Mascot
1809.8258	1809.939	0.1132	63	24	39	YSGPLQPCLNQCSSK			Carbamidomethyl (C)[8]		Mascot
2211.1001	2211.0867	-0.0134	-6	2	20	PIELAMSLYLSSDEFLNPR			Oxidation (M)[6]		Mascot
2284.0703	2284.1541	0.0838	37	168	185	ITFDTWKNHTDVECQYVK			Carbamidomethyl (C)[14]		Mascot
2515.2319	2515.2087	-0.0232	-9	24	46	YSGPLQPCLNQCSSKISFSSLK					Mascot
2694.1199	2694.4131	0.2932	109	244	266	SSNESNGGHQQYSQSDWDIHFDR					Mascot

13	PREDICTED: serine/threonine-protein kinase ATR [Danio rerio]				gi 292610566		298997.8	7.68	24	37	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5407	882.5602	0.0195	22	1304	1311	IHALTSLK					Mascot
916.5172	916.4437	-0.0735	-80	2547	2554	EPLMSVLK					Mascot
996.6199	996.5902	-0.0297	-30	1898	1906	AKEPVLALR					Mascot
1072.6547	1072.5409	-0.1138	-106	1803	1812	LGQMLLAACK					Mascot

1072.6547	1072.5409	-0.1138	-106	1803	1812	LGQMLLAACK											Mascot
1179.6337	1179.5914	-0.0423	-36	1177	1186	MMTTLRTGLR											Mascot
1378.6532	1378.795	0.1418	103	464	475	SRSEVWAAVDCR											Mascot
1475.6327	1475.74	0.1073	73	113	125	IAACECEDLHMK						Oxidation (M)[12]					Mascot
1624.7168	1624.9399	0.2231	137	2315	2328	GSDGKFYTMCKPK						Oxidation (M)[9,10]					Mascot
1704.7906	1704.9127	0.1221	72	2320	2332	FYTMMCKPKDDL						Carbamidomethyl (C)[6]					Mascot
1716.8236	1716.8351	0.0115	7	1513	1526	VFNCSSFIIKHDIK											Mascot
1743.8635	1743.8707	0.0072	4	1649	1662	AYTRAVMHFESFIR						Oxidation (M)[7]					Mascot
1785.8873	1785.7939	-0.0934	-52	2459	2475	STAVMSVMGYILGLGDR						Oxidation (M)[5]					Mascot
1795.9741	1795.9229	-0.0512	-29	2555	2569	TFLHDPLVEWSKPVK											Mascot
1795.9741	1795.9229	-0.0512	-29	2555	2569	TFLHDPLVEWSKPVK											Mascot
1809.767	1809.939	0.172	95	2011	2025	YMEETANFESNAIMK						Oxidation (M)[2,14]					Mascot
1809.767	1809.939	0.172	95	2011	2025	YMEETANFESNAIMK						Oxidation (M)[2,14]					Mascot
1969.9147	1969.9259	0.0112	6	77	93	SSSLMFINACLSDFHK						Carbamidomethyl (C)[11], Oxidation (M)[5]					Mascot
1985.9823	1985.9213	-0.061	-31	1853	1868	LHMLCELEHVFTLQK						Oxidation (M)[3]					Mascot
1985.9823	1985.9213	-0.061	-31	1853	1868	LHMLCELEHVFTLQK						Oxidation (M)[3]					Mascot
2051.0227	2051.0251	0.0024	1	902	920	SNPVSVAAYTEIQALATC R						Carbamidomethyl (C)[18]					Mascot
2155.1467	2155.0056	-0.1411	-65	1129	1148	LLGILAFFNMQLSSSAG EK						Oxidation (M)[10]					Mascot
2384.2908	2384.1287	-0.1621	-68	163	182	NLMTRPSPQWPVVVERF SIK											Mascot
2385.2595	2385.1313	-0.1282	-54	431	450	MYEEELPAKRPNLSLPTQ LR											Mascot
2401.2544	2401.1543	-0.1001	-42	431	450	MYEEELPAKRPNLSLPTQ LR						Oxidation (M)[1]					Mascot
2401.2544	2401.1543	-0.1001	-42	431	450	MYEEELPAKRPNLSLPTQ LR						Oxidation (M)[1]					Mascot
2423.1516	2423.1296	-0.022	-9	2454	2475	SAYCRSTAVMSVMGYIL GLGDR						Carbamidomethyl (C)[4], Oxidation (M)[10]					Mascot
2680.2817	2680.2222	-0.0595	-22	2029	2050	DVTTLPEWEDGNFYLA KYYDK											Mascot
3219.6401	3219.655	0.0149	5	485	514	NHTVSQCVSAVQGLAVIF HLAALCSEHSLK						Carbamidomethyl (C)[7]					Mascot
3251.55	3251.6763	0.1263	39	1406	1434	AFLAYADDVRAQDAAY AMQELLSLFECD											Mascot

14
PREDICTED: kinesin family member 13Ba [Danio rerio] gi|125841549
203289.8
5.5
12
36
0
26
28.125

Peptide Information										Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification		
842.473	842.5032	0.0302	36	393	399	APELKER					Mascot
850.4888	850.5363	0.0475	56	884	890	KLVCMIK			Oxidation (M)[5]		Mascot
1072.615	1072.5409	-0.0741	-69	765	773	GKQIWALEK					Mascot

	1072.6473	1072.5409	-0.1064	-99	694	702	EVVLTSLR	29	61.108		Mascot
	1179.5609	1179.5914	0.0305	26	774	782	MENRLVDMR			Oxidation (M)[1]	Mascot
	1634.8245	1634.7799	-0.0446	-27	355	369	SIVNHAVVNEDPNAR				Mascot
	1634.8245	1634.7799	-0.0446	-27	355	369	SIVNHAVVNEDPNAR				Mascot
	1704.8473	1704.9127	0.0654	38	383	397	DQLTQAESMKAPELK			Oxidation (M)[9]	Mascot
	1785.954	1785.7939	-0.1601	-90	1767	1782	CNPGFGLVLRPDLRSR				Mascot
	2515.3401	2515.2087	-0.1314	-52	706	727	EQIVRANLLVQEASFAEE LDK				Mascot
	2664.3311	2664.2173	-0.1138	-43	645	666	QLTPDRQSMQIPQSQPL QPHYR			Oxidation (M)[9]	Mascot
	2678.1062	2678.4114	0.3052	114	54	75	GQPKTFAYDYCFWSMDE SETEK			Oxidation (M)[15]	Mascot
	2680.1064	2680.2222	0.1158	43	1087	1108	NNEPQEPEGDEMDSYQ ERDLER				Mascot
15	CXC chemokine 64 [Danio rerio]				gi 187608560		11150.2	10.14	6	35	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.6326	1045.554	-0.0786	-75	59	67	LEIVVTLMK					Mascot
1378.7623	1378.795	0.0327	24	47	58	IQIIHPSPSCKR					Mascot
1693.9305	1693.8414	-0.0891	-53	43	57	TIEKIQIIHPSPSCK					Mascot
1785.9277	1785.7939	-0.1338	-75	3	19	TAAAFVALGCFLMVEVK			Oxidation (M)[13]		Mascot
1955.0492	1954.954	-0.0952	-49	3	21	TAAAFVALGCFLMVEVK GK					Mascot
1971.0441	1970.9413	-0.1028	-52	3	21	TAAAFVALGCFLMVEVK GK			Oxidation (M)[13]		Mascot
1971.0441	1970.9413	-0.1028	-52	2	19	KTAAAFVALGCFLMVEVK			Carbamidomethyl (C)[11], Oxidation (M)[14]		Mascot

16 novel protein similar to H.sapiens LYST, lysosomal trafficking regulator (LYST) [Danio rerio] gi|220675907 58282.5 6.38 9 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5863	1045.554	-0.0323	-31	308	316	CIVGYHILK					Mascot
1234.5442	1234.6636	0.1194	97	1	10	ICIDPNDEMCK			Carbamidomethyl (C)[2]		Mascot
1683.7941	1683.7804	-0.0137	-8	487	501	VQSMMYLRHSSSGGK			Oxidation (M)[4]		Mascot
1704.8447	1704.9127	0.068	40	482	494	LYQEKVQSMMYLR			Oxidation (M)[9]		Mascot
1795.9623	1795.9229	-0.0394	-22	433	448	IIQEVLGSPDMDLLR					Mascot
1795.9623	1795.9229	-0.0394	-22	433	448	IIQEVLGSPDMDLLR	3	0			Mascot
1970.9779	1970.9413	-0.0366	-19	416	432	DEYLTIPQEVCLSFVK					Mascot
1970.9779	1970.9413	-0.0366	-19	416	432	DEYLTIPQEVCLSFVK					Mascot

	2225.1052	2225.0999	-0.0053	-2	148	165	YVTQEGLQCEQIRELLMR									Oxidation (M)[17]	Mascot
	2284.2847	2284.1541	-0.1306	-57	365	384	AQCGVWETLLTALEILIRV R										Mascot
	2423.0503	2423.1296	0.0793	33	81	101	TYCMLGHYQHSAAEQAS PSAR									Carbamidomethyl (C)[3]	Mascot
17	novel protein similar to H.sapiens TTN, titin (TTN) [Danio rerio]				gi 169154823		842970	5.81	40	35	0	0	0				

Peptide Information																	
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type				
842.444	842.5032	0.0592	70	3102	3108	SYKVSMK							Mascot				
850.4814	850.5363	0.0549	65	1088	1094	LTSVRMK				Oxidation (M)[6]			Mascot				
870.4203	870.532	0.1117	128	6420	6427	LSDSGTYK							Mascot				
882.4679	882.5602	0.0923	105	2483	2489	YKVSTER							Mascot				
916.5502	916.4437	-0.1065	-116	4747	4754	IIPPTFTK							Mascot				
996.536	996.5902	0.0542	54	2586	2593	LTITETYR							Mascot				
1045.5347	1045.554	0.0193	18	6656	6665	CQIGGTPEIK							Mascot				
1051.5571	1051.7026	0.1455	138	6666	6674	ISWFKADGK							Mascot				
1072.4615	1072.5409	0.0794	74	6700	6708	SDIGEYTK				Carbamidomethyl (C)[8]			Mascot				
1072.4615	1072.5409	0.0794	74	6700	6708	SDIGEYTK				Carbamidomethyl (C)[8]			Mascot				
1107.48	1107.5332	0.0532	48	4973	4982	NETEIGSDDK							Mascot				
1107.48	1107.5332	0.0532	48	4973	4982	NETEIGSDDK							Mascot				
1219.6212	1219.6447	0.0235	19	790	800	RVQSTSPMSAR							Mascot				
1234.6096	1234.6636	0.054	44	6087	6097	GKDASLNCELK				Carbamidomethyl (C)[8]			Mascot				
1367.8621	1367.803	-0.0591	-43	646	656	IIQEIEIRLK							Mascot				
1378.7325	1378.795	0.0625	45	3094	3104	QQLVQEQKSYK							Mascot				
1389.7896	1389.7009	-0.0887	-64	2490	2500	HVHRLMIQTVR							Mascot				
1475.804	1475.74	-0.064	-43	1964	1976	GKHYSLTIINAMK							Mascot				
1624.8727	1624.9399	0.0672	41	6875	6888	ISCVENTPHLTILK				Carbamidomethyl (C)[3]			Mascot				
1634.7656	1634.7799	0.0143	9	3448	3462	FSSENPSPEKADAQK							Mascot				
1634.7656	1634.7799	0.0143	9	3448	3462	FSSENPSPEKADAQK							Mascot				
1693.8829	1693.8414	-0.0415	-24	4048	4061	EHDTYTLVITKVMK				Oxidation (M)[13]			Mascot				
1716.9166	1716.8351	-0.0815	-47	2970	2984	VELSQLSAAEKWVEK							Mascot				
1740.856	1740.8966	0.0406	23	690	704	SYRILEGMGVTFHCK							Mascot				
1759.9047	1759.8629	-0.0418	-24	7465	7479	YTCAVANYTQKLSIK				Carbamidomethyl (C)[3]			Mascot				
1790.9183	1790.8762	-0.0421	-24	6947	6962	VAGSQPLTVNWKDGR							Mascot				
1809.8357	1809.939	0.1033	57	6336	6352	NEVGSDSCAMQLTVLDK							Mascot				
1809.8357	1809.939	0.1033	57	6336	6352	NEVGSDSCAMQLTVLDK							Mascot				

1851.9598	1851.9554	-0.0044	-2	1326	1343	APEAPGPEPGRVSFDVV K						Mascot
1851.9598	1851.9554	-0.0044	-2	1326	1343	APEAPGPEPGRVSFDVV K						Mascot
1873.9177	1873.9403	0.0226	12	1384	1399	RTEEGYYEAISSVELK						Mascot
1969.931	1969.9259	-0.0051	-3	3980	3995	EEYITEALMELEKEDK						Mascot
1985.844	1985.9213	0.0773	39	6797	6815	HSGEYTCVATNSVGSAS CR	2	0	Carbamidomethyl (C)[7]			Mascot
1985.9259	1985.9213	-0.0046	-2	3980	3995	EEYITEALMELEKEDK			Oxidation (M)[9]			Mascot
1994.9674	1994.9385	-0.0289	-14	6737	6753	ITSIMQIEGQPVQFECR			Oxidation (M)[5]			Mascot
2019.0004	2019.0311	0.0307	15	3068	3086	AVNPFGEASCSAELIVFH K						Mascot
2050.9573	2051.0251	0.0678	33	4299	4315	LECQVDEDTGVSIIWMR			Carbamidomethyl (C)[3]			Mascot
2155.1353	2155.0056	-0.1297	-60	4893	4912	KETNSSSLELHALKPSQS AK						Mascot
2211.1438	2211.0867	-0.0571	-26	6494	6513	SCEIALRGDTAILELHNID K						Mascot
2232.9575	2233.0667	0.1092	49	1132	1149	MINEFGYCSLDYEVAYS			Carbamidomethyl (C)[8], Oxidation (M)[1]			Mascot
2283.1899	2283.1572	-0.0327	-14	3240	3260	EHPSQVMSALTESVTPLT IVK			Oxidation (M)[7]			Mascot
2367.0955	2367.2358	0.1403	59	4299	4318	LECQVDEDTGVSIIWMRD GK			Carbamidomethyl (C)[3], Oxidation (M)[16]			Mascot
2515.2532	2515.2087	-0.0445	-18	2494	2517	LMIQTVRMSDAGEYSVV AGSSVSK						Mascot
2680.1865	2680.2222	0.0357	13	6773	6796	SDSEYTMSFDDNSAVLNI AKGEMR						Mascot
3219.5222	3219.655	0.1328	41	4809	4840	ITNLETSDAGVFTCHATN AAGHSETSGTISVK						Mascot
3235.5107	3235.6675	0.1568	48	5033	5061	YQCTVGNEVGQTSCDFL VTMKEPPSFVQK						Mascot
3251.5056	3251.6763	0.1707	52	5033	5061	YQCTVGNEVGQTSCDFL VTMKEPPSFVQK			Oxidation (M)[20]			Mascot

18

required for meiotic nuclear division protein 1 homolog [Danio rerio]

gi|66472788

47369.2

7.18

10

35

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1165.5782	1165.5778	-0.0004	0	350	358	TCQFLNINR			Carbamidomethyl (C)[2]		Mascot
1165.5782	1165.736	0.1578	135	350	358	TCQFLNINR			Carbamidomethyl (C)[2]		Mascot
1475.6981	1475.74	0.0419	28	367	378	LQHCTELTDLMR			Oxidation (M)[11]		Mascot
1716.9795	1716.8351	-0.1444	-84	67	81	GPRFQVLTPNFISK					Mascot
1759.9207	1759.8629	-0.0578	-33	53	66	NCFAILHHCILQKR			Carbamidomethyl (C)[2,9]		Mascot
1790.9581	1790.8762	-0.0819	-46	9	24	LQQPLKSTQACGFTLR					Mascot
2225.0801	2225.0999	0.0198	9	367	384	LQHCTELTDLMRNHLSE K			Carbamidomethyl (C)[4]		Mascot
2284.1277	2284.1541	0.0264	12	341	358	EDLELLYDKTCQFLNINR			Carbamidomethyl (C)[11]		Mascot
2367.1833	2367.2358	0.0525	22	15	36	STQACGFTLRQINGLNSV					Mascot

		2664.384	2664.2173	-0.1667	-63	276	298	TSNR LAIWEVTLDSEFVSIQSIP EMLK					Oxidation (M)[21]		Mascot
		2680.4856	2680.2222	-0.2634	-98	389	410	LEWMIVVLITIEVMFELAR VIF					Oxidation (M)[4]		Mascot
19	bifunctional purine biosynthesis protein PURH [Danio rerio]	gi 195539484	64003.9	6.31	8	35	0								

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
892.4886	892.4795	-0.0091	-10	14	21	TGLVEFAR					Mascot
892.4886	892.4795	-0.0091	-10	14	21	TGLVEFAR	11	0			Mascot
1107.4623	1107.5332	0.0709	64	80	89	TPSDNADMEK					Mascot
1107.4623	1107.5332	0.0709	64	80	89	TPSDNADMEK					Mascot
1809.7629	1809.939	0.1761	97	156	170	EMETSEIHDTTMETR					Mascot
1809.7629	1809.939	0.1761	97	156	170	EMETSEIHDTTMETR					Mascot
1969.8478	1969.9259	0.0781	40	156	171	EMETSEIHDTTMETRK			Oxidation (M)[2,12]		Mascot
2034.9192	2035.0297	0.1105	54	177	193	AFHTAQYDEAISDYFR					Mascot
2225.0764	2225.0999	0.0235	11	285	304	VCMVNDMLQDLTPLATA YAR					Mascot
2384.2397	2384.1287	-0.111	-47	523	543	KNWISSLQAVLSSDAFF PFR					Mascot
2694.2715	2694.4131	0.1416	53	483	507	AEMANAIDQYVSGTVGE GPDKEVWK					Mascot

20	glutaminyl-tRNA synthetase [Danio rerio]	gi 49619001	87852.1	7.29	10	34	0	16	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
892.4556	892.4795	0.0239	27	218	224	SLMEQLR			Oxidation (M)[3]		Mascot
892.4556	892.4795	0.0239	27	218	224	SLMEQLR	16	0	Oxidation (M)[3]		Mascot
916.525	916.4437	-0.0813	-89	158	165	WADGKIVK					Mascot
1051.5796	1051.7026	0.123	117	419	426	IKYTPHHR					Mascot
1219.6429	1219.6447	0.0018	1	64	73	DTNRPQFLTK					Mascot
1657.7383	1657.808	0.0697	42	405	418	MVMEDGKMDPVAYR			Oxidation (M)[1]		Mascot
1683.802	1683.7804	-0.0216	-13	352	365	GHAYVCHQRGEELK			Carbamidomethyl (C)[6]		Mascot
1852.0076	1851.9554	-0.0522	-28	64	78	DTNRPQFLTKYISR					Mascot
1852.0076	1851.9554	-0.0522	-28	64	78	DTNRPQFLTKYISR					Mascot
1969.9072	1969.9259	0.0187	9	292	308	ANNGICFLRYDDTNPEK					Mascot
1994.9409	1994.9385	-0.0024	-1	657	674	VCELEVTCVSSDTAEKPK			Carbamidomethyl (C)[2]		Mascot
2211.126	2211.0867	-0.0393	-18	538	557	VGVTVQAQTTMEPHLEA			Carbamidomethyl (C)[18]		Mascot

21 MOV10-like 1 [Danio rerio] CVR gi|116268043 122527.1 5.89 14 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
892.4622	892.4795	0.0173	19	653	660	TDLSVTEK					Mascot
892.4622	892.4795	0.0173	19	653	660	TDLSVTEK					Mascot
1045.5021	1045.554	0.0519	50	19	26	RAQEEEQR					Mascot
1693.9846	1693.8414	-0.1432	-85	455	470	DVLVVQPALAEALSLR					Mascot
1704.8955	1704.9127	0.0172	10	476	489	FSALLWLEELQAER					Mascot
1716.797	1716.8351	0.0381	22	323	338	SVSRCEDGGTEAPPVR			Carbamidomethyl (C)[5]		Mascot
1795.9602	1795.9229	-0.0373	-21	432	447	HLPNFLGNYPQALR					Mascot
1795.9602	1795.9229	-0.0373	-21	432	447	HLPNFLGNYPQALR					Mascot
2233.1807	2233.0667	-0.114	-51	1	18	MVSVVQCLMSRLLWPLW R			Oxidation (M)[1]		Mascot
2283.1624	2283.1572	-0.0052	-2	869	889	LMGNSLYACGERGFNPL LVTK					Mascot
2367.1082	2367.2358	0.1276	54	303	322	QQLQRCVCAGWDSAQQ FSVR			Carbamidomethyl (C)[6]		Mascot
2385.092	2385.1313	0.0393	16	755	774	VNATCRPEESMSEELRQ YAR			Oxidation (M)[11]		Mascot
2423.1582	2423.1296	-0.0286	-12	1033	1053	SNESLLNEELQCMLGFLS NPK			Carbamidomethyl (C)[12]		Mascot
2678.1936	2678.4114	0.2178	81	339	361	MLEEPLDIHPGQKMCVC VCCTAK			Carbamidomethyl (C)[15,17], Oxidation (M)[1]		Mascot
2694.4724	2694.4131	-0.0593	-22	503	527	RGAVYLHLEVPGLAEGR PSLFIGDK					Mascot
3235.6602	3235.6675	0.0073	2	221	248	GDLVNLVVLESSQSLYS WRALCMTPLQR			Carbamidomethyl (C)[22]		Mascot
3251.655	3251.6763	0.0213	7	221	248	GDLVNLVVLESSQSLYS WRALCMTPLQR			Carbamidomethyl (C)[22], Oxidation (M)[23]		Mascot

22 PREDICTED: zinc finger protein 180-like [Danio rerio] gi|125871743 31745.7 9.1 8 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1693.7937	1693.8414	0.0477	28	62	76	FTCSQCGKTFLLHGHK					Mascot
1704.8196	1704.9127	0.0931	55	167	181	IHTGEKPYICQCGK					Mascot
1759.8254	1759.8629	0.0375	21	83	97	IHTGEKPFCTPCQCGK			Carbamidomethyl (C)[10,13]		Mascot
1952.8993	1952.941	0.0417	21	139	156	VHTGESPFCTPCQCKSF K					Mascot
1969.8895	1969.9259	0.0364	18	223	240	VHTGESPFCTQCGLSF R					Mascot
2283.0645	2283.1572	0.0927	41	223	242	VHTGESPFCTQCGLSF RQK			Carbamidomethyl (C)[10]		Mascot
2367.1372	2367.2358	0.0986	42	111	130	IHSGEKPYPCQCGKSF			Carbamidomethyl (C)[10]		Mascot

	2664.302	2664.2173	-0.0847	-32	195	218	YLR VHTGEKPFTCQQCGKSF NLQGNLK						Mascot
23	PREDICTED: zinc finger protein 729-like [Danio rerio]					gi 326674480	157731.7	9.21	20	34	0		

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type	
870.5155	870.532	0.0165	19	62	68	KLQTPQR					Mascot	
1051.5571	1051.7026	0.1455	138	820	828	SFAWSVNLK					Mascot	
1072.5786	1072.5409	-0.0377	-35	749	757	IHTGEKPYK					Mascot	
1072.5786	1072.5409	-0.0377	-35	1223	1231	IHTGEKPYK					Mascot	
1179.4921	1179.5914	0.0993	84	453	461	CSYCEKSFR			Carbamidomethyl (C)[1]		Mascot	
1624.7094	1624.9399	0.2305	142	911	925	THAGEKPYTCTECGK					Mascot	
1657.7019	1657.808	0.1061	64	229	243	CSYCGKTFTQASSMK			Oxidation (M)[14]		Mascot	
1704.7179	1704.9127	0.1948	114	1307	1321	IHTGEEPYCCPPCQK					Mascot	
1743.8053	1743.8707	0.0654	38	670	684	HLHSCPQCGKSFASK			Carbamidomethyl (C)[5,8]		Mascot	
1759.8254	1759.8629	0.0375	21	1279	1293	IHTGEKPHKCSYCEK					Mascot	
1785.7643	1785.7939	0.0296	17	416	430	THTDERDHSVCLDCGK			Carbamidomethyl (C)[10]		Mascot	
1790.7836	1790.8762	0.0926	52	976	990	CSYCEKSFSQSSHLK			Carbamidomethyl (C)[1]		Mascot	
1795.8506	1795.9229	0.0723	40	1051	1065	IHTNEKPYACLFCEK					Mascot	
1795.8506	1795.9229	0.0723	40	388	402	IHTNEKPYACLFCEK					Mascot	
1809.8258	1809.939	0.1132	63	910	925	KTHAGEKPYTCTECGK			Carbamidomethyl (C)[11]		Mascot	
1809.8258	1809.939	0.1132	63	275	290	KTHAGEKPYTCTECGK			Carbamidomethyl (C)[11]		Mascot	
1851.8251	1851.9554	0.1303	70	1288	1302	CSYCEKSFIQSSDLK			Carbamidomethyl (C)[1,4]		Mascot	
1851.8251	1851.9554	0.1303	70	1288	1302	CSYCEKSFIQSSDLK			Carbamidomethyl (C)[1,4]		Mascot	
1873.8683	1873.9403	0.072	38	1279	1293	IHTGEKPHKCSYCEK			Carbamidomethyl (C)[10,13]		Mascot	
1994.9421	1994.9385	-0.0036	-2	1085	1102	GHVCLECGKSFQTQSGSLK			Carbamidomethyl (C)[4,7]		Mascot	
2211.0183	2211.0867	0.0684	31	991	1009	SHERIHTGEKPYHCTQCGK					Mascot	
2225.0703	2225.0999	0.0296	13	216	234	SHQIHTGVKPHKCSYCGK			Carbamidomethyl (C)[14,17]		Mascot	
2384.0693	2384.1287	0.0594	25	1131	1149	SHERIHTGEKPYCCPPCQK			Carbamidomethyl (C)[13,14,17]		Mascot	
2385.0168	2385.1313	0.1145	48	1303	1321	SHERIHTGEEPYCCPPCQK			Carbamidomethyl (C)[13,14,17]		Mascot	
2680.2017	2680.2222	0.0205	8	911	934	THAGEKPYTCTECGKSFSQLDSYK					Mascot	

24	novel protein similar to vertebrate actin filament associated protein 1-like 1 (AFAP1L1, zgc:114084					gi 220679093	84272.2	8.16	11	34	0	
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Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type	

			Seq.		Seq.		Score				
	850.5145	850.5363	0.0218	26	383	389	IISFSKR				Mascot
	892.4787	892.4795	0.0008	1	226	232	RFGQWAK				Mascot
	892.4787	892.4795	0.0008	1	226	232	RFGQWAK				Mascot
	996.4819	996.5902	0.1083	109	133	140	MPEYITSR				Mascot
	1072.6361	1072.5409	-0.0952	-89	671	679	LTQVKENLK				Mascot
	1072.6361	1072.5409	-0.0952	-89	671	679	LTQVKENLK				Mascot
	1378.6671	1378.795	0.1279	93	327	337	IELDKWCSAEK			Carbamidomethyl (C)[7]	Mascot
	1716.8473	1716.8351	-0.0122	-7	21	35	LLDHETLSCATEEKK				Mascot
	1809.7742	1809.939	0.1648	91	470	487	GGAEEVAALASCSSEDMG R			Carbamidomethyl (C)[12]	Mascot
	1809.7742	1809.939	0.1648	91	470	487	GGAEEVAALASCSSEDMG R	3	0	Carbamidomethyl (C)[12]	Mascot
	1954.8407	1954.954	0.1133	58	338	355	QTSDDSDSMPSGESARDI R			Oxidation (M)[8]	Mascot
	2225.0979	2225.0999	0.002	1	681	701	SLAGGEMEAPTESKPAH KTQR				Mascot
	2423.0676	2423.1296	0.062	26	702	721	TEAQYMESFLPVNCASE MRK			Carbamidomethyl (C)[14], Oxidation (M)[6,18]	Mascot
	2664.1851	2664.2173	0.0322	12	699	720	TQRTEAQYMESFLPVNC ASEMR			Carbamidomethyl (C)[17], Oxidation (M)[9]	Mascot
	2680.1799	2680.2222	0.0423	16	699	720	TQRTEAQYMESFLPVNC ASEMR			Carbamidomethyl (C)[17], Oxidation (M)[9,21]	Mascot
25	cerebral dopamine neurotrophic factor [Danio rerio]				gi 181330650	20363.4	5.72	6	33	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
916.5145	916.4437	-0.0708	-77	103	109	ICQRLQR					Mascot
1179.5422	1179.5914	0.0492	42	61	71	ACAETTGKENR					Mascot
1634.8571	1634.7799	-0.0772	-47	122	135	LVLDWSTDALSKMR					Mascot
1634.8571	1634.7799	-0.0772	-47	122	135	LVLDWSTDALSKMR					Mascot
1693.8036	1693.8414	0.0378	22	142	156	VLASWGEECRACLEK					Mascot
1795.9225	1795.9229	0.0004	0	119	133	YERLVLDWSTDALSK					Mascot
1795.9225	1795.9229	0.0004	0	119	133	YERLVLDWSTDALSK					Mascot
2680.4668	2680.2222	-0.2446	-91	38	60	LYNSLVIRHTELSPELVEE GLIR					Mascot

26 PREDICTED: actin filament-associated protein 1-like [Danio rerio] gi|189525987 89049.3 9.08 11 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
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	842.473	842.5032	0.0302	36	599	605	LDKNQPK						Mascot
	892.5073	892.4795	-0.0278	-31	156	162	ICAFLLR				Carbamidomethyl (C)[2]		Mascot
	892.5073	892.4795	-0.0278	-31	156	162	ICAFLLR	12	0		Carbamidomethyl (C)[2]		Mascot
	996.5182	996.5902	0.072	72	178	185	DNKLLCYK						Mascot
	1045.6074	1045.554	-0.0534	-51	172	180	LLCVIKDNK						Mascot
	1165.6211	1165.5778	-0.0433	-37	18	27	EYLTAGVREK						Mascot
	1165.6211	1165.736	0.1149	99	18	27	EYLTAGVREK						Mascot
	1234.6725	1234.6636	-0.0089	-7	153	162	DARICAFLLR				Carbamidomethyl (C)[5]		Mascot
	1389.7195	1389.7009	-0.0186	-13	235	245	EQAEQWLKVMK						Mascot
	1716.9629	1716.8351	-0.1278	-74	703	717	VSLELELTEVKESLK						Mascot
	2211.1147	2211.0867	-0.028	-13	189	208	DQTPQMELLLSGCSITHI PK						Mascot
	2233.124	2233.0667	-0.0573	-26	408	428	LLRNGQEVAVLEASSSES MGR						Mascot
	2284.1311	2284.1541	0.023	10	189	208	DQTPQMELLLSGCSITHI PK				Carbamidomethyl (C)[13], Oxidation (M)[6]		Mascot
	2664.1809	2664.2173	0.0364	14	243	268	VMKEVCSNGNGVVD CD GAGSGSTVHK				Carbamidomethyl (C)[6,15]		Mascot
	2680.1758	2680.2222	0.0464	17	243	268	VMKEVCSNGNGVVD CD GAGSGSTVHK				Carbamidomethyl (C)[6,15], Oxidation (M)[2]		Mascot
27	LOC798657 protein [Danio rerio]				gi 120537819		53354.7	9.31	10	33	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1219.6464	1219.6447	-0.0017	-1	97	106	VRTEVMEVTR					Mascot
1234.5126	1234.6636	0.151	122	1	10	FGCARMMSRR			Carbamidomethyl (C)[3], Oxidation (M)[6,7]		Mascot
1704.8677	1704.9127	0.045	26	402	415	HHQRHQFTTQAVSK					Mascot
1716.7936	1716.8351	0.0415	24	307	320	TTDKHSQEEQPFNR					Mascot
1790.8364	1790.8762	0.0398	22	389	401	QEEMHHLRHQHHR			Oxidation (M)[4]		Mascot
1809.8411	1809.939	0.0979	54	113	127	NANFMLWPSCVEVQR			Oxidation (M)[5]		Mascot
1810.1095	1809.939	-0.1705	-94	11	27	LLLLVLAALACLRSGR			Carbamidomethyl (C)[12]		Mascot
1985.9886	1985.9213	-0.0673	-34	321	338	TTPQQPKSPSQTSVQSE R					Mascot
1985.9886	1985.9213	-0.0673	-34	321	338	TTPQQPKSPSQTSVQSE R					Mascot
2211.0137	2211.0867	0.073	33	128	147	CSGCCNARTLQCVPVITE TR			Carbamidomethyl (C)[1]		Mascot
2384.2642	2384.1287	-0.1355	-57	423	445	TVMKAPPTTPSAPQTPP PLPSPR			Oxidation (M)[3]		Mascot

28 RAB5A, member RAS oncogene family, b [Danio rerio] gi|41055758 23484.8 8.31 5 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	1072.5898	1072.5409	-0.0489	-46	114	121	NWVKELQR	8	0		Mascot
	1072.5898	1072.5409	-0.0489	-46	114	121	NWVKELQR				Mascot
	1624.8262	1624.9399	0.1137	70	2	18	AGRGGATRPNGPNTGN K				Mascot
	1704.9717	1704.9127	-0.059	-35	19	34	ICQFKLVLLGESAVGK				Mascot
	1741.0581	1740.8966	-0.1615	-93	24	40	LVLLGESAVGKSSLVLR				Mascot
	2680.2083	2680.2222	0.0139	5	143	166	ALDFQDAQSYADDNSLL FMETSAK				Mascot
29	mitochondrial import inner membrane translocase subunit TIM44 [Danio rerio]					gi 61806584	50838	7.98	9	32	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1234.6273	1234.6636	0.0363	29	159	170	QSAETVTKGGEK					Mascot
1367.6702	1367.803	0.1328	97	247	257	DFKDNNVVFNR					Mascot
1389.7472	1389.7009	-0.0463	-33	440	452	LLDISASSTEQIL					Mascot
1759.7747	1759.8629	0.0882	50	1	14	MAASLCQCYQLCVR			Carbamidomethyl (C)[6,8,12]		Mascot
2018.9851	2019.0311	0.046	23	223	240	VFEANEEAMGVVLHKDS K			Oxidation (M)[9]		Mascot
2034.996	2035.0297	0.0337	17	37	57	ICGAPAAAAAQVRFMSS GGGR			Carbamidomethyl (C)[2]		Mascot
2050.991	2051.0251	0.0341	17	37	57	ICGAPAAAAAQVRFMSS GGGR			Carbamidomethyl (C)[2], Oxidation (M)[15]		Mascot
2211.1101	2211.0867	-0.0234	-11	294	312	TEMSEVLTEILKVDPTFD K			Oxidation (M)[3]		Mascot
2423.2617	2423.1296	-0.1321	-55	16	36	SSALVLYGHYSSELYPRAH VFR					Mascot
3251.54	3251.6763	0.1363	42	341	368	DWCYEATYSQLAHPIQQ AKAMGLQFHSAK					Mascot

30 PREDICTED: actin filament-associated protein 1-like 1-like [Danio rerio] gi|326673811 84171.2 8.16 11 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.5145	850.5363	0.0218	26	383	389	IISFSKR					Mascot
892.4787	892.4795	0.0008	1	226	232	RFGQWAK					Mascot
892.4787	892.4795	0.0008	1	226	232	RFGQWAK					Mascot
996.4819	996.5902	0.1083	109	133	140	MPEYITSR					Mascot
1072.6361	1072.5409	-0.0952	-89	670	678	LTQVKENLK					Mascot
1072.6361	1072.5409	-0.0952	-89	670	678	LTQVKENLK					Mascot
1378.6671	1378.795	0.1279	93	327	337	IELDKWCSEAK			Carbamidomethyl (C)[7]		Mascot

	1716.8473	1716.8351	-0.0122	-7	21	35	LLDHETLSCATEEKK										Mascot
	1809.7742	1809.939	0.1648	91	470	487	GGAEEVAALEASCSSEDMGR										Mascot
	1809.7742	1809.939	0.1648	91	470	487	GGAEEVAALEASCSSEDMGR		3	0							Mascot
	1954.8407	1954.954	0.1133	58	338	355	QTSDSDSPSGESARDIR										Mascot
	2154.9939	2155.0056	0.0117	5	536	552	TYDEVPFETEQUENERLR										Mascot
	2423.0676	2423.1296	0.062	26	701	720	TEAQYMESFLPVNCASEMRK										Mascot
	2664.1851	2664.2173	0.0322	12	698	719	TQRTEAQYMESFLPVNCASEMR										Mascot
	2680.1799	2680.2222	0.0423	16	698	719	TQRTEAQYMESFLPVNCASEMR										Mascot
31	PREDICTED: macrophage mannose receptor 1-like protein 1-like [Danio rerio]					gi 326665229	74337.1	6.95	11	32	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1179.6038	1179.5914	-0.0124	-11	283	293	LKGMGLQSDSK				Oxidation (M)[4]		Mascot
1683.7649	1683.7804	0.0155	9	382	395	WWWSGDGDDTIAQYK						Mascot
1740.8109	1740.8966	0.0857	49	343	357	FIDLATVDTMDDVNR				Oxidation (M)[10]		Mascot
1790.9568	1790.8762	-0.0806	-45	614	629	SEEELSLLAQTLCKVK						Mascot
1971.0255	1970.9413	-0.0842	-43	425	442	SSICINAGGYAIILLDK				Carbamidomethyl (C)[4]		Mascot
1971.0255	1970.9413	-0.0842	-43	425	442	SSICINAGGYAIILLDK				Carbamidomethyl (C)[4]		Mascot
1985.9352	1985.9213	-0.0139	-7	79	95	EISNHWVWSNGEDTIAK						Mascot
1985.9352	1985.9213	-0.0139	-7	79	95	EISNHWVWSNGEDTIAK						Mascot
1994.8734	1994.9385	0.0651	33	122	138	CSNLYGALCLDEFNGYR				Carbamidomethyl (C)[1]		Mascot
2034.8973	2035.0297	0.1324	65	396	413	DWGPGEVPVSGNDCVYLNR				Carbamidomethyl (C)[13]		Mascot
2284.1714	2284.1541	-0.0173	-8	262	282	GNCALNNPSLQTVVLNQITER						Mascot
2366.999	2367.2358	0.2368	100	322	340	QYNYINMPMSWPDQSYCR						Mascot
2664.1704	2664.2173	0.0469	18	203	228	YWAAGQPFQSAGSVDCVGMTTTDSGK						Mascot
2680.1653	2680.2222	0.0569	21	203	228	YWAAGQPFQSAGSVDCVGMTTTDSGK				Oxidation (M)[19]		Mascot

32	RecName: Full=Adenosine deaminase; AltName: Full=Adenosine aminohydrolase					gi 81167689	40817.5	6.13	8	31	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1234.679	1234.6636	-0.0154	-12	91	101	AKEGVIIYVEAR						Mascot
1378.7437	1378.795	0.0513	37	211	224	TVHAGEVGPASVVR						Mascot

	1743.8734	1743.8707	-0.0027	-2	341	354	EKLLNQLYEAYGMR						Oxidation (M)[13]	Mascot
	1759.7965	1759.8629	0.0664	38	157	170	HMPNWSMEVVELCK						Carbamidomethyl (C)[13]	Mascot
	1873.9377	1873.9403	0.0026	1	65	80	FSHFMHVIAGDREAIK						Oxidation (M)[5]	Mascot
	2423.0488	2423.1296	0.0808	33	175	197	DGVVAIDLAGEDESMNCE SYPGHK						Oxidation (M)[14]	Mascot
	2680.1995	2680.2222	0.0227	8	150	170	SILCCMRHMPNWSMEVV ELCK						Carbamidomethyl (C)[4,5,20]	Mascot
	3219.4841	3219.655	0.1709	53	250	277	QLLHQNMHFEMCPVSSR LTGACEPDFTK							Mascot
	3235.4792	3235.6675	0.1883	58	250	277	QLLHQNMHFEMCPVSSR LTGACEPDFTK						Oxidation (M)[7]	Mascot
	3251.4741	3251.6763	0.2022	62	250	277	QLLHQNMHFEMCPVSSR LTGACEPDFTK						Oxidation (M)[7,11]	Mascot

33 PREDICTED: LOW QUALITY PROTEIN: PR domain zinc finger protein 15 [Danio rerio] gi|326671336 129785.3 8.52 19 31 0 12 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.5472	1045.554	0.0068	7	753	760	HALRHMMK			Oxidation (M)[7]		Mascot
1051.6047	1051.7026	0.0979	93	563	570	FFRVDVLR					Mascot
1072.4915	1072.5409	0.0494	46	553	561	KYTCEICGR					Mascot
1072.4915	1072.5409	0.0494	46	554	562	YTCEICGRK					Mascot
1165.4183	1165.5778	0.1595	137	711	719	SHCCEQCGK			Carbamidomethyl (C)[3,4,7]		Mascot
1219.5624	1219.6447	0.0823	67	579	588	DIALMDEQER					Mascot
1378.7213	1378.795	0.0737	53	105	117	TSSLQTEGAFPLK					Mascot
1389.6249	1389.7009	0.076	55	850	861	VEAQSCHLCGTK			Carbamidomethyl (C)[6,9]		Mascot
1475.6971	1475.74	0.0429	29	509	521	REELEVNGEEGSK					Mascot
1624.8475	1624.9399	0.0924	57	809	822	NTMETHKLIHTVGK			Oxidation (M)[3]		Mascot
1683.7288	1683.7804	0.0516	31	790	803	HTGTKDFMCELCGK			Carbamidomethyl (C)[9,12]		Mascot
1743.9122	1743.8707	-0.0415	-24	67	82	SSLPDSLEIRLAEEGK					Mascot
1795.7448	1795.9229	0.1781	99	795	808	DFMCELCGKTFSER			Carbamidomethyl (C)[4,7], Oxidation (M)[3]		Mascot
1795.8755	1795.9229	0.0474	26	9	24	SQDSLNVXTFGKQGVV	14	0			Mascot
1851.8793	1851.9554	0.0761	41	579	593	DIALMDEQEREDFIK					Mascot
1851.9092	1851.9554	0.0462	25	816	831	LIHTVGKTFSCVCDK			Carbamidomethyl (C)[11,14]		Mascot
2233.0818	2233.0667	-0.0151	-7	571	588	DHIHVHFKDIALMDEQER					Mascot
2284.1609	2284.1541	-0.0068	-3	97	117	FGPFATRTSSLQTEGAF PLK					Mascot
2423.1052	2423.1296	0.0244	10	672	691	DHLDPDAVQKYIHPCEM CGR			Carbamidomethyl (C)[15,18]		Mascot

34 cytochrome P450, family 3, subfamily C, polypeptide 4 [Danio rerio] gi|117606234 57914.4 8.46 9 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4753	882.5602	0.0849	96	236	243	MGVTLFISK					Mascot
1165.7052	1165.5778	-0.1274	-109	373	382	LLPTAPRLER					Mascot
1165.7052	1165.736	0.0308	26	373	382	LLPTAPRLER					Mascot
1179.6005	1179.5914	-0.0091	-8	263	272	ESEGRVDFLK					Mascot
1634.6859	1634.7799	0.094	58	360	372	MDYLEMAINESMR			Oxidation (M)[1,6]		Mascot
1634.7521	1634.7799	0.0278	17	448	460	NCIGMRYAVMIMK			Carbamidomethyl (C)[2], Oxidation (M)[5,10,12]		Mascot
1657.873	1657.808	-0.065	-39	143	156	LKEIFPIAMTHADR			Oxidation (M)[9]		Mascot
1683.8887	1683.7804	-0.1083	-64	91	104	VVLVKECYSNFINR					Mascot
1740.9102	1740.8966	-0.0136	-8	91	104	VVLVKECYSNFINR			Carbamidomethyl (C)[7]		Mascot
1790.8993	1790.8762	-0.0231	-13	477	491	ETQIPLEMNVTFQPK			Oxidation (M)[8]		Mascot
2367.1506	2367.2358	0.0852	36	360	379	MDYLEMAINESMRLLPTA PR			Oxidation (M)[1]		Mascot

35 Zgc:56540 [Danio rerio] gi|29436481 17012.4 6.69 5 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1072.6361	1072.5409	-0.0952	-89	24	32	NIEQKSLK					Mascot
1072.6361	1072.5409	-0.0952	-89	24	32	NIEQKSLK					Mascot
1475.71	1475.74	0.03	20	143	155	VHFYSPSSACKHL					Mascot
1985.9213	1985.9213	0	0	88	104	SDLNHSHGSNTHLFYTR					Mascot
1985.9213	1985.9213	0	0	88	104	SDLNHSHGSNTHLFYTR					Mascot
2035.0422	2035.0297	-0.0125	-6	40	59	GGVGKTTCSCLAVQLA AVR			Carbamidomethyl (C)[8,10]		Mascot
2401.1292	2401.1543	0.0251	10	2	23	AASVEDEFEDAPDVEPLE PTLK					Mascot
2401.1292	2401.1543	0.0251	10	2	23	AASVEDEFEDAPDVEPLE PTLK					Mascot

36 nucleoside diphosphate kinase-Z2 [Danio rerio] gi|6644113 16322.4 8.68 5 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
916.4886	916.4437	-0.0449	-49	51	57	QHYIDLK					Mascot
1107.5681	1107.5332	-0.0349	-32	41	50	FVQASEDLAK					Mascot
1107.5681	1107.5332	-0.0349	-32	41	50	FVQASEDLAK					Mascot
1657.8907	1657.808	-0.0827	-50	5	19	TEPTFIIVKPDGVQR					Mascot

	2035.0647	2035.0297	-0.035	-17	51	67	QHYIDLKDQPFYAGLVK										Mascot
	2515.3589	2515.2087	-0.1502	-60	5	27	TEPTFIADVAVKPDGVQRGLM GEIHK						Oxidation (M)[18]				Mascot
37	DNA mismatch repair protein Msh3 [Danio rerio]				gi 157841276		121710.5	6.91	14	31	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4981	842.5032	0.0051	6	150	156	EEPIKVK					Mascot
870.577	870.532	-0.045	-52	687	693	EVRLLLK					Mascot
1179.5535	1179.5914	0.0379	32	895	905	MGASDNISRGR			Oxidation (M)[1]		Mascot
1234.5739	1234.6636	0.0897	73	157	166	QEFSFSQYAK					Mascot
1367.7603	1367.803	0.0427	31	474	485	LEKILLCSSSFK					Mascot
1389.7108	1389.7009	-0.0099	-7	77	89	DEELTVTPSTLGK					Mascot
1475.7562	1475.74	-0.0162	-11	713	725	NSMLSIVPADWVK			Oxidation (M)[3]		Mascot
1657.873	1657.808	-0.065	-39	1066	1080	KNTVVILYCGGTSFR					Mascot
1716.8296	1716.8351	0.0055	3	487	502	LSSDPDHMLLSAATMK					Mascot
1795.9193	1795.9229	0.0036	2	847	863	AMIITGPNMGGKSSYIR					Mascot
1795.9193	1795.9229	0.0036	2	847	863	AMIITGPNMGGKSSYIR					Mascot
1969.9258	1969.9259	0.0001	0	201	216	QHVDTVLCVECGYKYR			Carbamidomethyl (C)[8]		Mascot
1971.0811	1970.9413	-0.1398	-71	517	533	GSLWVLDHTQTLFGKR					Mascot
1971.0811	1970.9413	-0.1398	-71	517	533	GSLWVLDHTQTLFGKR					Mascot
2423.2019	2423.1296	-0.0723	-30	340	361	ELTVGMVVVQPSIGDVM VDCFK			Carbamidomethyl (C)[20]		Mascot
3235.5544	3235.6675	0.1131	35	446	473	GSYSICMGLESPIICCLGP VIQYLTEFK			Carbamidomethyl (C)[6,15,16]		Mascot
3251.5493	3251.6763	0.127	39	446	473	GSYSICMGLESPIICCLGP VIQYLTEFK			Carbamidomethyl (C)[6,15,16], Oxidation (M)[7]		Mascot

38	PREDICTED: hypothetical protein LOC100005214 [Danio rerio]				gi 292617889		82073.1	8.53	12	31	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4955	842.5032	0.0077	9	476	482	QQRLAAR					Mascot
850.4525	850.5363	0.0838	99	195	201	KALMEMK					Mascot
882.4423	882.5602	0.1179	134	195	201	KALMEMK			Oxidation (M)[4,6]		Mascot
1107.5428	1107.5332	-0.0096	-9	327	335	FQSELQEAR					Mascot
1107.5428	1107.5332	-0.0096	-9	327	335	FQSELQEAR					Mascot
1383.6144	1383.6879	0.0735	53	505	515	ASPRDCIYMDR			Carbamidomethyl (C)[6]		Mascot

	1657.7526	1657.808	0.0554	33	136	148	FFQEEDCLTEAIR		Carbamidomethyl (C)[7]	Mascot	
	1683.8523	1683.7804	-0.0719	-43	672	684	EMRLFIWTLESSR		Oxidation (M)[2]	Mascot	
	1785.8	1785.7939	-0.0061	-3	202	216	FEPDSWSLSKSDEMK			Mascot	
	1795.9008	1795.9229	0.0221	12	84	99	MGFLDSNVSNDSLKLR			Mascot	
	1795.9008	1795.9229	0.0221	12	84	99	MGFLDSNVSNDSLKLR			Mascot	
	1809.9507	1809.939	-0.0117	-6	238	252	AIKYHPNNHILYGNR			Mascot	
	1809.9507	1809.939	-0.0117	-6	238	252	AIKYHPNNHILYGNR			Mascot	
	2401.3206	2401.1543	-0.1663	-69	433	455	GARVFLIIISVSCGVCSAH SLLR			Mascot	
	2401.3206	2401.1543	-0.1663	-69	433	455	GARVFLIIISVSCGVCSAH SLLR			Mascot	
	2515.3542	2515.2087	-0.1455	-58	51	70	KQDLGHLMHVSFVWWHI LLR			Mascot	
	2680.2097	2680.2222	0.0125	5	685	705	ERYQSCHTILDQYFEDGT YVR		Carbamidomethyl (C)[6]	Mascot	
39	finTRIM family protein [Danio rerio]				gi 208019415		24902.8	9.08	7	30	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
892.4379	892.4795	0.0416	47	81	87	LQEMICR					Mascot
892.4379	892.4795	0.0416	47	81	87	LQEMICR					Mascot
996.522	996.5902	0.0682	68	72	80	HNLIDATGR					Mascot
1045.5636	1045.554	-0.0096	-9	195	203	DQEKITVGR					Mascot
2154.8928	2155.0056	0.1128	52	20	40	HHTAAVPAGDGDVECD SCTGR			Carbamidomethyl (C)[15]		Mascot
2282.9878	2283.1572	0.1694	74	20	41	HHTAAVPAGDGDVECD SCTGRK			Carbamidomethyl (C)[15]		Mascot
2384.0354	2384.1287	0.0933	39	18	40	TKHHTAAVPAGDGDVE DSCTGR			Carbamidomethyl (C)[17]		Mascot
2694.1448	2694.4131	0.2683	100	103	125	CICMLCMVDEHKDHET VSTSAER			Carbamidomethyl (C)[1]		Mascot

40 PREDICTED: cornifelin [Danio rerio] gi|326680887 9260.3 6.49 4 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1383.7267	1383.6879	-0.0388	-28	77	87	LTYGIQQYERL					Mascot
1795.8909	1795.9229	0.032	18	73	86	THMRLTYGIQQYER					Mascot
1795.8909	1795.9229	0.032	18	73	86	THMRLTYGIQQYER					Mascot
1873.8063	1873.9403	0.134	72	55	72	YGENVCLACVPGMAA MR			Oxidation (M)[14,17]		Mascot
2367.0647	2367.2358	0.1711	72	55	76	YGENVCLACVPGMAA MRTHMR					Mascot

41 prostacyclin synthase [Danio rerio] gi|84569886 55243.7 9.33 7 30 0 7 0

Peptide Information									
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
	1219.6426	1219.6447	0.0021	2	144	154 LLMTPSEMGLK			Mascot
	1634.8536	1634.7799	-0.0737	-45	461	475 YGFGILQPAGDLDIR	7	0	Mascot
	1634.8536	1634.7799	-0.0737	-45	461	475 YGFGILQPAGDLDIR			Mascot
	1704.797	1704.9127	0.1157	68	252	265 QLQDEGIDAEMQRR		Oxidation (M)[11]	Mascot
	1790.8167	1790.8762	0.0595	33	409	424 YPSVPWGTEDNLCPGR			Mascot
	1995.1538	1994.9385	-0.2153	-108	425	441 HFAVHAIKELVFTILTR			Mascot
	2694.3245	2694.4131	0.0886	33	409	432 YPSVPWGTEDNLCPGRH FAVHAIK			Mascot
	3235.5161	3235.6675	0.1514	47	363	388 LCVFPFISPMQDPQIHQQ PEMFQFDR		Carbamidomethyl (C)[2]	Mascot
	3251.511	3251.6763	0.1653	51	363	388 LCVFPFISPMQDPQIHQQ PEMFQFDR		Carbamidomethyl (C)[2], Oxidation (M)[11]	Mascot
42	PREDICTED: hypothetical protein LOC100005391 [Danio rerio]				gi 326669940	61722.2	6.47	9 30 0	

Peptide Information									
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
	1179.5125	1179.5914	0.0789	67	44	55 DDGESTAVNGSK			Mascot
	1234.6538	1234.6636	0.0098	8	24	34 TGSYVADIRPR			Mascot
	1475.8329	1475.74	-0.0929	-63	24	36 TGSYVADIRPRLK			Mascot
	1716.8235	1716.8351	0.0116	7	153	166 RSIHENCLDHDHDK			Mascot
	1785.9606	1785.7939	-0.1667	-93	251	266 SQLLIPPTTNQTAHHK			Mascot
	1809.8953	1809.939	0.0437	24	513	527 FNQMDLDKLSGLWSR			Mascot
	1809.8953	1809.939	0.0437	24	513	527 FNQMDLDKLSGLWSR			Mascot
	1851.9784	1851.9554	-0.023	-12	167	183 HNIPNRSITTSQALSGR			Mascot
	1851.9784	1851.9554	-0.023	-12	167	183 HNIPNRSITTSQALSGR			Mascot
	1873.9753	1873.9403	-0.035	-19	414	430 SALDSDQVKLEIDEALK			Mascot
	1986.1018	1985.9213	-0.1805	-91	267	284 TTEKKPVFSKPSVPSPTR			Mascot
	1986.1018	1985.9213	-0.1805	-91	267	284 TTEKKPVFSKPSVPSPTR			Mascot
43	interleukin 4/13B [Danio rerio]				gi 193788073	13301.7	8.6	5 30 0	

Peptide Information									
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
	1072.6249	1072.5409	-0.084	-78	1	10 LTLVPVSESK			Mascot

		1072.6249	1072.5409	-0.084	-78	1	10	LTLVPVSESK										Mascot
		1179.6224	1179.5914	-0.031	-26	54	64	KTLCQAGMALK									Oxidation (M)[8]	Mascot
		1657.7573	1657.808	0.0507	31	106	118	TKACCHYLYSAQR									Carbamidomethyl (C)[4,5]	Mascot
		3219.4277	3219.655	0.2273	71	76	105	QLNAYAAVTGTGNCSVS TSGECTMKEFLEK									Oxidation (M)[24]	Mascot
		3235.4565	3235.6675	0.211	65	71	100	SHLQRQLNAYAAVTGTG NCSVSTSGECTMK									Carbamidomethyl (C)[19]	Mascot
		3251.4514	3251.6763	0.2249	69	71	100	SHLQRQLNAYAAVTGTG NCSVSTSGECTMK									Carbamidomethyl (C)[19], Oxidation (M)[29]	Mascot
44	zinc finger and SCAN domain containing 2-like [Danio rerio]							gil160333132	39573.1	8.67	8	30	0					

46 PREDICTED: zinc finger protein 227-like [Danio rerio] gi|125847909 86097.2 8.77 11 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4127	850.5363	0.1236	145	181	187	QEPFVCK					Mascot
882.4944	882.5602	0.0658	75	352	358	AHVKHYYK					Mascot
916.4123	916.4437	0.0314	34	222	228	MMKCLMK			Oxidation (M)[1,2]		Mascot
1107.4922	1107.5332	0.041	37	412	420	TVTCPNCQK			Carbamidomethyl (C)[4,7]		Mascot
1107.4922	1107.5332	0.041	37	412	420	TVTCPNCQK			Carbamidomethyl (C)[4,7]		Mascot
1165.6221	1165.5778	-0.0443	-38	552	561	LYGCPICLKR					Mascot
1165.6221	1165.736	0.1139	98	552	561	LYGCPICLKR					Mascot
1234.5092	1234.6636	0.1544	125	356	364	HYKCSHCDK			Carbamidomethyl (C)[4,7]		Mascot
1475.6406	1475.74	0.0994	67	686	697	FGYSSSIQMHR			Oxidation (M)[9,11]		Mascot
1657.8431	1657.808	-0.0351	-21	27	40	HLSDLTTVLSEEWK					Mascot
1716.8923	1716.8351	-0.0572	-33	545	560	AGHTGVKLYGCPICLK			Carbamidomethyl (C)[11]		Mascot
1809.8734	1809.939	0.0656	36	405	420	HLHTAEKTVTCPNCQK					Mascot
1809.8734	1809.939	0.0656	36	405	420	HLHTAEKTVTCPNCQK					Mascot
3235.5154	3235.6675	0.1521	47	609	636	DCVCSICNKAFIFPSSLN QHMLVHTGEK			Carbamidomethyl (C)[2,4]		Mascot
3251.5105	3251.6763	0.1658	51	609	636	DCVCSICNKAFIFPSSLN QHMLVHTGEK			Carbamidomethyl (C)[2,4], Oxidation (M)[21]		Mascot

47 ras-related protein Rab-2A [Danio rerio] gi|41393075 23499.7 5.98 6 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5425	1045.554	0.0115	11	70	77	SITRSYYR					Mascot
1378.6671	1378.795	0.1279	93	140	151	EHGLIFMETSARK			Oxidation (M)[7]		Mascot
1475.8329	1475.74	-0.0929	-63	78	91	GAAGALLVYDITRR					Mascot
1785.9282	1785.7939	-0.1343	-75	31	46	FQPVHDLTIGVEFGAR					Mascot
2284.2256	2284.1541	-0.0715	-31	9	29	YIIIGDTGVGKSCLLQFT DK					Mascot
2423.2087	2423.1296	-0.0791	-33	166	186	EIYEKIQEGVFDINNEANG IK					Mascot

48 intraflagellar transport protein 172 homolog [Danio rerio] gi|50539690 197598.9 5.6 17 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	882.4501	882.5602	0.1101	125	828	834	ALECYRK										Mascot
	892.4384	892.4795	0.0411	46	1080	1088	THGGANAHK										Mascot
	892.4384	892.4795	0.0411	46	1080	1088	THGGANAHK										Mascot
	916.4734	916.4437	-0.0297	-32	565	572	GDIVDLR										Mascot
	1165.6034	1165.5778	-0.0256	-22	1480	1488	MFQELVNLR				Oxidation (M)[1]						Mascot
	1165.6034	1165.736	0.1326	114	1480	1488	MFQELVNLR				Oxidation (M)[1]						Mascot
	1378.6241	1378.795	0.1709	124	19	30	VTCTMAWAPNNAK				Carbamidomethyl (C)[3], Oxidation (M)[4]						Mascot
	1624.7788	1624.9399	0.1611	99	1067	1079	VNDMWEEAYRIAK										Mascot
	1657.8618	1657.808	-0.0538	-32	326	339	FEMTYVGLSQVIVR				Oxidation (M)[3]						Mascot
	1683.8312	1683.7804	-0.0508	-30	1582	1595	AVGWENMAFIFLNR				Oxidation (M)[7]						Mascot
	1716.9465	1716.8351	-0.1114	-65	1679	1693	SLPCVITGYPVLRNK				Carbamidomethyl (C)[4]						Mascot
	1743.8669	1743.8707	0.0038	2	1012	1025	MYDDMIRLVAVHHK				Oxidation (M)[1]						Mascot
	1759.8618	1759.8629	0.0011	1	1012	1025	MYDDMIRLVAVHHK				Oxidation (M)[1,5]						Mascot
	1785.7635	1785.7939	0.0304	17	742	755	SYYSYLMETNQNEK				Oxidation (M)[7]						Mascot
	1790.849	1790.8762	0.0272	15	938	953	GDHIKDAIDMYTQAGR										Mascot
	1851.9612	1851.9554	-0.0058	-3	1080	1096	THGGANAHKQVAYLWAK										Mascot
	1851.9612	1851.9554	-0.0058	-3	1080	1096	THGGANAHKQVAYLWAK										Mascot
	2034.9927	2035.0297	0.037	18	1173	1189	EAVLMHVHNKDWSNAQ R										Mascot
	2050.9875	2051.0251	0.0376	18	1173	1189	EAVLMHVHNKDWSNAQ R				Oxidation (M)[5]						Mascot
	2211.0508	2211.0867	0.0359	16	19	38	VTCTMAWAPNNAKFAVCT IDR										Mascot
	2284.0671	2284.1541	0.087	38	19	38	VTCTMAWAPNNAKFAVCT IDR				Carbamidomethyl (C)[3], Oxidation (M)[4]						Mascot
	2385.1423	2385.1313	-0.011	-5	964	983	CMTQEDVSVLYVSRAQE LEK				Carbamidomethyl (C)[1]						Mascot
	2401.1375	2401.1543	0.0168	7	964	983	CMTQEDVSVLYVSRAQE LEK				Carbamidomethyl (C)[1], Oxidation (M)[2]						Mascot
	2401.2002	2401.1543	-0.0459	-19	8	30	TLLTPQDGAQVTCMAW APNNAK										Mascot
49	oxysterol-binding protein-related protein 6 [Danio rerio] gi 188528718 103201.6 7.57 13 29 0																

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1051.5836	1051.7026	0.119	113	83	90	WPLKGWHK					Mascot
1072.5494	1072.5409	-0.0085	-8	844	851	IEEQQRNR					Mascot
1072.5494	1072.5409	-0.0085	-8	844	851	IEEQQRNR					Mascot
1165.5121	1165.5778	0.0657	56	592	601	AAQTDDPYER					Mascot
1165.6615	1165.736	0.0745	64	92	101	FFVLNNGILK					Mascot
1367.6689	1367.803	0.1341	98	339	351	LTDGIDSAGDYIK					Mascot

	1634.8359	1634.7799	-0.056	-34	149	161	SPDVFDLWVCKLR		Carbamidomethyl (C)[10]	Mascot	
	1634.8359	1634.7799	-0.056	-34	149	161	SPDVFDLWVCKLR		Carbamidomethyl (C)[10]	Mascot	
	1683.9462	1683.7804	-0.1658	-98	114	129	LHGSIDVGLSVMSIKK			Mascot	
	1740.9677	1740.8966	-0.0711	-41	112	128	GKLHGSIDVGLSVMSIK			Mascot	
	1986.0437	1985.9213	-0.1224	-62	300	317	DAKLQQQVPLSASMSQV R			Mascot	
	1986.0437	1985.9213	-0.1224	-62	300	317	DAKLQQQVPLSASMSQV R			Mascot	
	1995.0004	1994.9385	-0.0619	-31	620	637	AGSKPFNPLLGETYECIR			Mascot	
	2283.1187	2283.1572	0.0385	17	318	338	LHSSNPNLCAELADFQAP VTR			Mascot	
	2367.1648	2367.2358	0.071	30	620	640	AGSKPFNPLLGETYECIR EDK			Mascot	
	2694.3118	2694.4131	0.1013	38	177	202	DATLRTFPSPSAGAESPQ NTPSSTHPK			Mascot	
50	PREDICTED: uncharacterized protein C20orf117-like [Danio rerio]					gi 292627122	156910.1	6.37	1	23	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1072.5017	1072.5409	0.0392	37	6	15	VEGNPESNAR	23	0		3	Mascot

Gel Idx/Pos	217/117	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	novel protein (zgc:56036) [Danio rerio]	gi 169145723	41759.7	8.36	16	677	100	562	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
820.4926	820.4335	-0.0591	-72	6	13	GVFIVSAK					Mascot
1139.6095	1139.6046	-0.0049	-4	15	25	TPFGTYGGVLK					Mascot
1188.6848	1188.6804	-0.0044	-4	361	370	ITAHLVHELK	79	100			Mascot
1188.6848	1188.6804	-0.0044	-4	361	370	ITAHLVHELK					Mascot
1295.7106	1295.7073	-0.0033	-3	14	25	RTPFGTYGGVLK					Mascot
1402.7246	1402.72	-0.0046	-3	159	171	LPMGITAENLAEK			Oxidation (M)[3]		Mascot
1492.8304	1492.8203	-0.0101	-7	77	90	CGVPIPVALTIVNR	106	100	Carbamidomethyl (C)[1]		Mascot
1492.8304	1492.8203	-0.0101	-7	77	90	CGVPIPVALTIVNR			Carbamidomethyl (C)[1]		Mascot
1701.9058	1701.8966	-0.0092	-5	144	158	LEDTLWAGLTDLNIK					Mascot

	1708.698	1708.6907	-0.0073	-4	177	189	EECDQYSHQTQQR	73	99.999	Carbamidomethyl (C)[3]	Mascot	
	1708.698	1708.6907	-0.0073	-4	177	189	EECDQYSHQTQQR			Carbamidomethyl (C)[3]	Mascot	
	1862.983	1862.9497	-0.0333	-18	341	360	TNVNGGAIAIGHPLGASG TR				Mascot	
	1929.9705	1929.9614	-0.0091	-5	192	209	AAHEAGYFNAEIAPIEVK				Mascot	
	1929.9705	1929.9614	-0.0091	-5	192	209	AAHEAGYFNAEIAPIEVK	131	100		Mascot	
	2190.1587	2190.1494	-0.0093	-4	376	397	YAVGSACIGGGQGIIVIL ENIK	112	100	Carbamidomethyl (C)[7]	Mascot	
	2190.1587	2190.1494	-0.0093	-4	376	397	YAVGSACIGGGQGIIVIL ENIK			Carbamidomethyl (C)[7]	Mascot	
	2239.095	2239.1018	0.0068	3	313	332	DMDLVEVNEAFAPQYLS VAK				Mascot	
	2256.0271	2256.0247	-0.0024	-1	110	130	ESEVVLCCGSESMSQAP YAVR			Carbamidomethyl (C)[7]	Mascot	
	2272.022	2272.0178	-0.0042	-2	110	130	ESEVVLCCGSESMSQAP YAVR	17	0	Carbamidomethyl (C)[7], Oxidation (M)[13]	Mascot	
	2272.022	2272.0178	-0.0042	-2	110	130	ESEVVLCCGSESMSQAP YAVR			Carbamidomethyl (C)[7], Oxidation (M)[13]	Mascot	
	2346.1218	2346.1089	-0.0129	-5	215	234	VSMTFDEHPRPQTTLQ MAK				Mascot	
	2362.1167	2362.1104	-0.0063	-3	215	234	VSMTFDEHPRPQTTLQ MAK			Oxidation (M)[3]	Mascot	
	2378.1116	2378.1089	-0.0027	-1	215	234	VSMTFDEHPRPQTTLQ MAK			Oxidation (M)[3,18]	Mascot	
	2502.2681	2502.2581	-0.01	-4	242	269	GGTVTAANASGVSDGAA AVIIASEDAVK				Mascot	
	3282.7151	3282.7026	-0.0125	-4	39	71	AALAAGNVAPELVNSVIIG NVMQSSADAPYIAR				Mascot	
	3298.71	3298.7104	0.0004	0	39	71	AALAAGNVAPELVNSVIIG NVMQSSADAPYIAR	44	98.949	Oxidation (M)[22]	Mascot	
	3298.71	3298.7104	0.0004	0	39	71	AALAAGNVAPELVNSVIIG NVMQSSADAPYIAR			Oxidation (M)[22]	Mascot	
2	3-ketoacyl-CoA thiolase, mitochondrial [Danio rerio]				gi 47085765	41760.7	7.64	15	666	100	562	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
820.4926	820.4335	-0.0591	-72	6	13	GVFIVSAK					Mascot
1139.6095	1139.6046	-0.0049	-4	15	25	TPFGTYGGVLK					Mascot
1188.6848	1188.6804	-0.0044	-4	361	370	ITAHLVHELK	79	100			Mascot
1188.6848	1188.6804	-0.0044	-4	361	370	ITAHLVHELK					Mascot
1295.7106	1295.7073	-0.0033	-3	14	25	RTPFGTYGGVLK					Mascot
1402.7246	1402.72	-0.0046	-3	159	171	LPMGITAENLAEK			Oxidation (M)[3]		Mascot
1492.8304	1492.8203	-0.0101	-7	77	90	CGVPIVPALTVNR	106	100	Carbamidomethyl (C)[1]		Mascot
1492.8304	1492.8203	-0.0101	-7	77	90	CGVPIVPALTVNR			Carbamidomethyl (C)[1]		Mascot
1708.698	1708.6907	-0.0073	-4	177	189	EECDQYSHQTQQR	73	99.999	Carbamidomethyl (C)[3]		Mascot
1708.698	1708.6907	-0.0073	-4	177	189	EECDQYSHQTQQR			Carbamidomethyl (C)[3]		Mascot
1862.983	1862.9497	-0.0333	-18	341	360	TNVNGGAIAIGHPLGASG					Mascot

1929.9705	1929.9614	-0.0091	-5	192	209	TR AAHEAGYFNAEIAPIEVK											Mascot
1929.9705	1929.9614	-0.0091	-5	192	209	AAHEAGYFNAEIAPIEVK	131	100									Mascot
2190.1587	2190.1494	-0.0093	-4	376	397	YAVGSACIGGGQGIIVIL ENIK	112	100	Carbamidomethyl (C)[7]								Mascot
2190.1587	2190.1494	-0.0093	-4	376	397	YAVGSACIGGGQGIIVIL ENIK			Carbamidomethyl (C)[7]								Mascot
2239.095	2239.1018	0.0068	3	313	332	DMDLVEVNEAFAPQYLS VAK											Mascot
2256.0271	2256.0247	-0.0024	-1	110	130	ESEVVLGGSESMSQAP YAVR			Carbamidomethyl (C)[7]								Mascot
2272.022	2272.0178	-0.0042	-2	110	130	ESEVVLGGSESMSQAP YAVR	17	0	Carbamidomethyl (C)[7], Oxidation (M)[13]								Mascot
2272.022	2272.0178	-0.0042	-2	110	130	ESEVVLGGSESMSQAP YAVR			Carbamidomethyl (C)[7], Oxidation (M)[13]								Mascot
2346.1218	2346.1089	-0.0129	-5	215	234	VSMTFDEHPRPQTTEQ MAK											Mascot
2362.1167	2362.1104	-0.0063	-3	215	234	VSMTFDEHPRPQTTEQ MAK			Oxidation (M)[3]								Mascot
2378.1116	2378.1089	-0.0027	-1	215	234	VSMTFDEHPRPQTTEQ MAK			Oxidation (M)[3,18]								Mascot
2502.2681	2502.2581	-0.01	-4	242	269	GGTVTAANASGVSDGAA AVIIASEDAVK											Mascot
3282.7151	3282.7026	-0.0125	-4	39	71	AALAAGNVAPELVNSVIIG NVMQSSADAPYIAR											Mascot
3298.71	3298.7104	0.0004	0	39	71	AALAAGNVAPELVNSVIIG NVMQSSADAPYIAR	44	98.949	Oxidation (M)[22]								Mascot
3298.71	3298.7104	0.0004	0	39	71	AALAAGNVAPELVNSVIIG NVMQSSADAPYIAR			Oxidation (M)[22]								Mascot

3 RecName: Full=UPF0636 protein C4orf41 homolog; gi|123910003 128564.3 7.32 9 58 93.568 48 99.614
AltName: Full=Protein foie gras

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1176.587	1176.6115	0.0245	21	666	674	KYCFNFVAK			Carbamidomethyl (C)[3]		Mascot
1188.6372	1188.6804	0.0432	36	249	258	TAYSLVHELK	48	99.614			Mascot
1188.6372	1188.6804	0.0432	36	249	258	TAYSLVHELK					Mascot
1256.6205	1256.5685	-0.052	-41	613	623	ADCPHPVRFSK					Mascot
1873.9377	1874.047	0.1093	58	281	296	LCFQHNTPLDAIAQFR					Mascot
2190.053	2190.1494	0.0964	44	647	665	DILEPSSQENMCLVPGKT R			Carbamidomethyl (C)[12], Oxidation (M)[11]		Mascot
2190.053	2190.1494	0.0964	44	647	665	DILEPSSQENMCLVPGKT R			Carbamidomethyl (C)[12], Oxidation (M)[11]		Mascot
2283.1921	2283.1694	-0.0227	-10	594	612	FLSPSFHIDEPVQLHVVY R					Mascot
2346.053	2346.1089	0.0559	24	453	471	SHLMVQMGE EYHAKDY TK			Oxidation (M)[4]		Mascot
2362.0479	2362.1104	0.0625	26	453	471	SHLMVQMGE EYHAKDY TK			Oxidation (M)[4,7]		Mascot
2703.3706	2703.3987	0.0281	10	488	510	WWSLLTSIVCTALKCSYL MGQVK			Carbamidomethyl (C)[10], Oxidation (M)[19]		Mascot
2918.5596	2918.55	-0.0096	-3	1000	1025	TVITLPHVMVENIPLYVHA					Mascot

4 Foigr protein [Danio rerio] EVPSFGR gi|34784876 60884.4 8.86 3 55 86.248 48 99.614

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1188.6372	1188.6804	0.0432	36	249	258	TAYSLVHELRL	48	99.614			Mascot
1188.6372	1188.6804	0.0432	36	249	258	TAYSLVHELRL					Mascot
1873.9377	1874.047	0.1093	58	281	296	LCFQHNTPLDAIAQFR					Mascot
2918.5596	2918.55	-0.0096	-3	400	425	TVITLPHVMVENIPLYVHA EVPSFGR					Mascot

5 glyceraldehyde-3-phosphate dehydrogenase [Danio rerio] gi|169403947 35761.3 8.2 6 54 81.449 30 73.229

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1495.8479	1495.8354	-0.0125	-8	233	246	VPTPNVSVVDLTVR					Mascot
1763.8024	1763.7936	-0.0088	-5	308	321	LVTWYDNEFGYSNR					Mascot
1763.8024	1763.9857	0.1833	104	308	321	LVTWYDNEFGYSNR					Mascot
1763.8024	1763.9857	0.1833	104	308	321	LVTWYDNEFGYSNR	30	73.229			Mascot
1861.9442	1861.9338	-0.0104	-6	290	307	SSIFDAGAGIALNDHFVK					Mascot
2211.1768	2211.104	-0.0728	-33	65	84	LVIDGHAITVYSERDPANIK					Mascot
2268.0349	2268.0283	-0.0066	-3	270	289	GILGYTEHQVVSTDFNGDCR			Carbamidomethyl (C)[19]		Mascot
2272.2483	2272.0178	-0.2305	-101	226	246	LTGMAFRVPTPNVSVVDLTVR					Mascot
2272.2483	2272.0178	-0.2305	-101	226	246	LTGMAFRVPTPNVSVVDLTVR					Mascot

6 PREDICTED: tctex1 domain-containing protein 1-like [Danio rerio] gi|125850223 20706.6 9.37 7 44 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1176.6293	1176.6115	-0.0178	-15	107	117	ELSDCIKAAVK					Mascot
1564.892	1564.6842	-0.2078	-133	124	136	YKLCVWLTIGQLK					Mascot
1622.8285	1622.8436	0.0151	9	62	74	AEQFIYQSVPERR					Mascot
2208.043	2208.041	-0.002	-1	146	163	AIWCPTSDTFTEIYKNR					Mascot
2239.1033	2239.1018	-0.0015	-1	126	145	LVCWLTIGQLKDSMVNCGSR			Oxidation (M)[14]		Mascot
2269.1201	2269.0205	-0.0996	-44	87	106	IVDERLETVEYSCACAVIAK			Carbamidomethyl (C)[13]		Mascot

	2502.1924	2502.2581	0.0657	26	92	113	LETVEYSCACAVIAKELS DCIK					Carbamidomethyl (C)[8,10]	Mascot
7	PREDICTED: hypothetical protein LOC100150366 [Danio rerio]					gi 292627805	27630.3	5.91	7	40	0		

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1115.6279	1115.6874	0.0595	53	197	206	ALLSRASQNR						Mascot
1397.7131	1397.5939	-0.1192	-85	174	184	THDTLLQERER						Mascot
1701.8152	1701.8966	0.0814	48	83	95	MREQYEAEIFELK				Oxidation (M)[1]		Mascot
1708.8977	1708.6907	-0.207	-121	19	32	LLTDENVQLHERNK						Mascot
1708.8977	1708.6907	-0.207	-121	19	32	LLTDENVQLHERNK						Mascot
1861.853	1861.9338	0.0808	43	96	112	NMVLCHEGTASSLQAER				Oxidation (M)[2]		Mascot
1902.8796	1902.9491	0.0695	37	96	112	NMVLCHEGTASSLQAER				Carbamidomethyl (C)[5]		Mascot
2190.0027	2190.1494	0.1467	67	96	114	NMVLCHEGTASSLQAER DR				Carbamidomethyl (C)[5], Oxidation (M)[2]		Mascot
2190.0027	2190.1494	0.1467	67	96	114	NMVLCHEGTASSLQAER DR				Carbamidomethyl (C)[5], Oxidation (M)[2]		Mascot
3282.5405	3282.7026	0.1621	49	85	112	EQYEAEIFELKNMVLCH GTASSLQAER				Carbamidomethyl (C)[16]		Mascot
3298.5354	3298.7104	0.175	53	85	112	EQYEAEIFELKNMVLCH GTASSLQAER				Carbamidomethyl (C)[16], Oxidation (M)[13]		Mascot
3298.5354	3298.7104	0.175	53	85	112	EQYEAEIFELKNMVLCH GTASSLQAER				Carbamidomethyl (C)[16], Oxidation (M)[13]		Mascot

8	PREDICTED: protein FAM83C-like [Danio rerio]					gi 125820116	65361.5	6.54	11	39	0	
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Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
882.5043	882.5632	0.0589	67	63	69	KVLHEEK						Mascot
972.5036	972.5805	0.0769	79	484	491	FTDLFTTK						Mascot
1115.5844	1115.6874	0.103	92	492	500	EKDLHAFQK						Mascot
1188.6875	1188.6804	-0.0071	-6	195	204	VPVYILLDEK						Mascot
1188.6875	1188.6804	-0.0071	-6	195	204	VPVYILLDEK						Mascot
1296.6794	1296.7302	0.0508	39	48	59	LATDALLEHGEK						Mascot
1402.6454	1402.72	0.0746	53	228	239	IRSVCGDTYCTK				Carbamidomethyl (C)[5]		Mascot
1404.7747	1404.7225	-0.0522	-37	494	505	DLHAFQKVPPPR						Mascot
1763.7727	1763.7936	0.0209	12	293	306	EFRCMYADSDIIER				Oxidation (M)[5]		Mascot
1763.7727	1763.9857	0.213	121	293	306	EFRCMYADSDIIER				Oxidation (M)[5]		Mascot
1763.7727	1763.9857	0.213	121	293	306	EFRCMYADSDIIER				Oxidation (M)[5]		Mascot
1862.8615	1862.9497	0.0882	47	343	360	VYSENSSSQSSSVSSIK						Mascot

	1902.92	1902.9491	0.0291	15	523	540	QGPPPPGMPIDRMGPD K					Oxidation (M)[9]	Mascot
	1930.0327	1929.9614	-0.0713	-37	389	406	KDATSPVLHMPAAHIGR					Oxidation (M)[10]	Mascot
	1930.0327	1929.9614	-0.0713	-37	389	406	KDATSPVLHMPAAHIGR					Oxidation (M)[10]	Mascot
9	novel protein similar to vertebrate RAP1, GTP-GDP dissociation stimulator 1 (RAP1GDS1) [Danio rerio]				gi 220679502	60763.9	5	10	37	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1296.7747	1296.7302	-0.0445	-34	417	428	GEANRLAALIR					Mascot
1564.7345	1564.6842	-0.0503	-32	381	395	MMVDGQEEAASVLGK					Mascot
1763.8455	1763.7936	-0.0519	-29	396	410	DEALLARVMEWCEAK					Mascot
1763.9147	1763.9857	0.071	40	102	117	SPDQDQLLHTGRAIGR					Mascot
1763.9147	1763.9857	0.071	40	102	117	SPDQDQLLHTGRAIGR					Mascot
1863.0408	1862.9497	-0.0911	-49	85	101	EHCEAGLVLTALVPLLK			Carbamidomethyl (C)[3]		Mascot
1864.036	1863.9562	-0.0798	-43	506	522	FSALGLICSLVNSTILR			Carbamidomethyl (C)[8]		Mascot
1864.036	1863.9562	-0.0798	-43	506	522	FSALGLICSLVNSTILR			Carbamidomethyl (C)[8]		Mascot
2272.2329	2272.0178	-0.2151	-95	64	84	SPLTSQVTLLVAEMAREATVR					Mascot
2272.2329	2272.0178	-0.2151	-95	64	84	SPLTSQVTLLVAEMAREATVR					Mascot
2349.1423	2349.1384	-0.0039	-2	381	402	MMVDGQEEAASVLGKDEALLAR			Oxidation (M)[1]		Mascot
2362.3162	2362.1104	-0.2058	-87	80	101	EATVREHCEAGLVLTALVPLLK					Mascot
2918.613	2918.55	-0.063	-22	506	531	FSALGLICSLVNSTILREQITSLNLR			Carbamidomethyl (C)[8]		Mascot

10	PREDICTED: tyrosine-protein kinase Src42A-like [Danio rerio]				gi 326675419	57185.5	6.59	12	36	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
972.5294	972.5805	0.0511	53	117	124	CLLRPENK					Mascot
1139.4642	1139.6046	0.1404	123	1	9	MGNCECKPK			Carbamidomethyl (C)[4,6], Oxidation (M)[1]		Mascot
1188.5715	1188.6804	0.1089	92	22	31	DQQASVNRDR					Mascot
1188.5715	1188.6804	0.1089	92	22	31	DQQASVNRDR					Mascot
1495.7131	1495.8354	0.1223	82	341	353	AENILLTEMQSCK			Oxidation (M)[9]		Mascot
1708.8257	1708.6907	-0.135	-79	184	198	HEGGLCAKLHEACVK			Carbamidomethyl (C)[6,13]		Mascot
1708.8257	1708.6907	-0.135	-79	184	198	HEGGLCAKLHEACVK			Carbamidomethyl (C)[6,13]		Mascot
1863.9303	1863.9562	0.0259	14	338	353	DLRAENILLTEMQSCK					Mascot
1863.9303	1863.9562	0.0259	14	338	353	DLRAENILLTEMQSCK					Mascot

	1903.0258	1902.9491	-0.0767	-40	117	132	CLLRPENKEGAFLVWK										Mascot
	2043.007	2043.0273	0.0203	10	52	68	GDILEVTGETEYWLYVR										Mascot
	2225.0947	2225.1113	0.0166	7	390	408	LPVKWMAPEIFDNGEYT SK										Mascot
	2225.0947	2225.1113	0.0166	7	390	408	LPVKWMAPEIFDNGEYT SK										Mascot
	2345.9045	2346.1089	0.2044	87	10	29	CCCPCCPCCLTKDQQAS VNR					Carbamidomethyl (C)[1,2,3]					Mascot
	2703.3225	2703.3987	0.0762	28	276	299	LYAVCTTSQPMCIIVTELM KNGSLK					Carbamidomethyl (C)[5], Oxidation (M)[11]					Mascot
	3234.5947	3234.7236	0.1289	40	307	333	EKQDLEFSLMLDFAIQITE GMIYIENK					Oxidation (M)[10]					Mascot
11	novel protein similar to vertebrate breast cancer anti-estrogen resistance 3 (BCAR3) [Danio rerio]				gi 169158144		84068.2	8.52	13	36	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5083	882.5632	0.0549	62	607	613	SLKPFYK					Mascot
1045.5524	1045.5592	0.0068	7	45	52	RELEELK					Mascot
1051.5895	1051.7098	0.1203	114	22	31	SSVIGAKFSR					Mascot
1139.5514	1139.6046	0.0532	47	114	123	VVAMNEAYSR					Mascot
1256.5325	1256.5685	0.036	29	675	685	NADTYTCNAQR					Mascot
1295.6525	1295.7073	0.0548	42	113	123	RVVAMNEAYSR					Mascot
1311.6473	1311.6519	0.0046	4	113	123	RVVAMNEAYSR			Oxidation (M)[5]		Mascot
1397.6478	1397.5939	-0.0539	-39	374	385	MNSLQANGYVER			Oxidation (M)[1]		Mascot
1475.7021	1475.7961	0.094	64	10	21	TITAALCCFYQK			Carbamidomethyl (C)[7,8]		Mascot
1491.8066	1491.7917	-0.0149	-10	702	713	TDFQLRLLWGSR					Mascot
1492.7577	1492.8203	0.0626	42	288	300	RMAFDLTPGEAIR			Oxidation (M)[2]		Mascot
1492.7577	1492.8203	0.0626	42	288	300	RMAFDLTPGEAIR			Oxidation (M)[2]		Mascot
1564.7021	1564.6842	-0.0179	-11	563	576	DSMGDLYAFSSIMK					Mascot
1622.8319	1622.8436	0.0117	7	374	387	MNSLQANGYVERLK					Mascot
3234.5308	3234.7236	0.1928	60	675	701	NADTYTCNAQRILQDFQP HEDMLEILR					Mascot

12 vitellogenin 5 [Danio rerio] gi|68448530 148868 8.77 14 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
820.4675	820.4335	-0.034	-41	1312	1318	SLNFIAR					Mascot
1115.6935	1115.6874	-0.0061	-5	333	341	FVQLVQLLR					Mascot
1402.7173	1402.72	0.0027	2	694	706	SPAAEESVDRIK					Mascot

	1463.8944	1463.8864	-0.008	-5	532	544	LVQPVALQLVLDR										Mascot
	1622.8536	1622.8436	-0.01	-6	668	683	AYLAGAAADVIEFGVR										Mascot
	1763.901	1763.7936	-0.1074	-61	1276	1290	VCKHILNAAyntGFR					Carbamidomethyl (C)[2]					Mascot
	1763.901	1763.9857	0.0847	48	1276	1290	VCKHILNAAyntGFR					Carbamidomethyl (C)[2]					Mascot
	1763.901	1763.9857	0.0847	48	1276	1290	VCKHILNAAyntGFR					Carbamidomethyl (C)[2]					Mascot
	1862.1262	1861.9338	-0.1924	-103	363	379	RWLLDALPAVGTPVIK										Mascot
	1863.8694	1863.9562	0.0868	47	577	592	TEPNMHVSSFAYSHIK					Oxidation (M)[5]					Mascot
	1863.8694	1863.9562	0.0868	47	577	592	TEPNMHVSSFAYSHIK					Oxidation (M)[5]					Mascot
	1930.0127	1929.9614	-0.0513	-27	1294	1311	ATNSEKEIELTAALPSQK										Mascot
	1930.0127	1929.9614	-0.0513	-27	1294	1311	ATNSEKEIELTAALPSQK										Mascot
	2042.9196	2043.0273	0.1077	53	1142	1160	DTSSGSAAASFEQMQR										Mascot
	2269.1975	2269.0205	-0.177	-78	1179	1198	ADQKLLGYQLAAYFDKPTAR										Mascot
	2346.1978	2346.1089	-0.0889	-38	597	619	ITAPDMASVAGAAANVAIKLMNCK					Carbamidomethyl (C)[22]					Mascot
	2362.1926	2362.1104	-0.0822	-35	597	619	ITAPDMASVAGAAANVAIKLMNCK					Carbamidomethyl (C)[22], Oxidation (M)[6]					Mascot
	2378.1875	2378.1089	-0.0786	-33	597	619	ITAPDMASVAGAAANVAIKLMNCK					Carbamidomethyl (C)[22], Oxidation (M)[6,20]					Mascot
	3234.6868	3234.7236	0.0368	11	733	761	VFGQEVAYVNFDKSIIEEAIPMVTGPKPR										Mascot
	3298.387	3298.7104	0.3234	98	1080	1114	NSRSSSSSSTSTSSSSSSSSSSSSSSSLSSSR		3		0						Mascot
	3298.387	3298.7104	0.3234	98	1080	1114	NSRSSSSSSTSTSSSSSSSSSSSSSSSLSSSR										Mascot
13	novel protein similar to H.sapiens TTN, titin (TTN) [Danio rerio]						gi 169154823	842970	5.81	40	34	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
842.444	842.5079	0.0639	76	3102	3108	SYKVSMTK						Mascot
850.4814	850.54	0.0586	69	1088	1094	LTSVRMTK			Oxidation (M)[6]			Mascot
882.4679	882.5632	0.0953	108	2483	2489	YKVSTER						Mascot
972.556	972.5805	0.0245	25	7562	7568	RHFMIIR						Mascot
996.536	996.5936	0.0576	58	2586	2593	LTITETIR						Mascot
1025.556	1025.6066	0.0506	49	423	430	SYARLMIR			Oxidation (M)[6]			Mascot
1045.5347	1045.5592	0.0245	23	6656	6665	CQIGGTPEIK						Mascot
1051.5571	1051.7098	0.1527	145	6666	6674	ISWFKADGK						Mascot
1115.6418	1115.6874	0.0456	41	2536	2544	EITVLEKQR						Mascot
1188.6848	1188.6804	-0.0044	-4	286	296	HVKGPTPTPVR						Mascot
1188.6848	1188.6804	-0.0044	-4	286	296	HVKGPTPTPVR						Mascot

1256.6013	1256.5685	-0.0328	-26	4882	4892	EMLTGGTCFIK	Carbamidomethyl (C)[8]	Mascot
1295.8046	1295.7073	-0.0973	-75	1438	1448	KLTIPTIRPEK		Mascot
1296.698	1296.7302	0.0322	25	2959	2969	FGQTTCKTILK	Carbamidomethyl (C)[6]	Mascot
1397.7271	1397.5939	-0.1332	-95	3902	3914	TEAKTSFQSVTAK		Mascot
1402.7802	1402.72	-0.0602	-43	2583	2593	IHRLTITETYR		Mascot
1463.8944	1463.8864	-0.008	-5	123	136	LDVRVTGIPAPVVK		Mascot
1475.804	1475.7961	-0.0079	-5	1964	1976	GKHYSLTIIINAMK		Mascot
1491.7988	1491.7917	-0.0071	-5	1964	1976	GKHYSLTIIINAMK	Oxidation (M)[12]	Mascot
1492.7061	1492.8203	0.1142	77	6147	6161	ATNNVGSDLCQGSVK		Mascot
1492.7061	1492.8203	0.1142	77	6147	6161	ATNNVGSDLCQGSVK		Mascot
1622.7876	1622.8436	0.056	35	4732	4746	VGKEQCSCSINVLDK		Mascot
1701.829	1701.8966	0.0676	40	1175	1189	DEKSLVEDSQLPEGR		Mascot
1708.8608	1708.6907	-0.1701	-100	3868	3882	ASTKEMLSPPVEMVR	Oxidation (M)[6,13]	Mascot
1708.8608	1708.6907	-0.1701	-100	3868	3882	ASTKEMLSPPVEMVR	Oxidation (M)[6,13]	Mascot
1763.8018	1763.7936	-0.0082	-5	6514	6529	SHAGEYTCQIINDAGK	Carbamidomethyl (C)[8]	Mascot
1763.9326	1763.9857	0.0531	30	4773	4788	VSGSQPITISWFKEGK		Mascot
1763.9326	1763.9857	0.0531	30	4773	4788	VSGSQPITISWFKEGK		Mascot
1861.9688	1861.9338	-0.035	-19	3723	3739	MGTLVSESRESQSLPK		Mascot
1862.964	1862.9497	-0.0143	-8	6428	6446	CKAVNSAGAAETSASLV VK	Carbamidomethyl (C)[1]	Mascot
1874.0535	1874.047	-0.0065	-3	4579	4595	LQGTIKGSAPITVQWFK		Mascot
1902.9478	1902.9491	0.0013	1	3519	3535	EGIISMEKPDEQTAVQK		Mascot
2042.8654	2043.0273	0.1619	79	6797	6815	HSGEYTCVATNSVGSAS CR	Carbamidomethyl (C)[7,18]	Mascot
2190.0093	2190.1494	0.1401	64	1569	1586	DTMVTFCETNEPFVKVK	Carbamidomethyl (C)[8], Oxidation (M)[3]	Mascot
2190.0093	2190.1494	0.1401	64	1569	1586	DTMVTFCETNEPFVKVK	Carbamidomethyl (C)[8], Oxidation (M)[3]	Mascot
2207.9219	2208.041	0.1191	54	4528	4547	TFESADVGDYQCCISND VGK	Carbamidomethyl (C)[12]	Mascot
2211.1438	2211.104	-0.0398	-18	6494	6513	SCEIALRGDTAILELHNID K		Mascot
2256.1006	2256.0247	-0.0759	-34	6089	6108	DASLNCELKGSAPFEITW FK		Mascot
2268.1653	2268.0283	-0.137	-60	6494	6513	SCEIALRGDTAILELHNID K	Carbamidomethyl (C)[2]	Mascot
2269.1724	2269.0205	-0.1519	-67	2563	2581	NGVEIQFSVDQRFNYAIR		Mascot
2283.1899	2283.1694	-0.0205	-9	3240	3260	EHPSQVMSALTESVTPLT IVK	Oxidation (M)[7]	Mascot
2314.1594	2314.1401	-0.0193	-8	6243	6265	NDAGVAECTANLTVLEPA AIVDK		Mascot
2378.2747	2378.1089	-0.1658	-70	5230	5250	SSCEAVTVLDQIIKPSFT RK	Carbamidomethyl (C)[3]	Mascot
2502.2722	2502.2581	-0.0141	-6	2095	2116	NQTVTETQEAVFSLELTH LDVK		Mascot
3282.5293	3282.7026	0.1733	53	2455	2482	AVFECELSEPNVQVTWM KDGQEELSER	Oxidation (M)[17]	Mascot

	3298.7068	3298.7104	0.0036	1	5440	5467	ITVVKPSQLVVFEQITGT PEIDTYWFK					Carbamidomethyl (C)[14]	Mascot
	3298.7351	3298.7104	-0.0247	-7	1520	1551	DVLAEDSASIMVKAINIAG EASSHAFLLVQAK						Mascot
14	breast cancer anti-estrogen resistance protein 3 [Danio rerio]												
						gi 169646666		94570.5	8.67	12	34	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.5083	882.5632	0.0549	62	702	708	SLKPFYK					Mascot
1045.5524	1045.5592	0.0068	7	140	147	RELEELK					Mascot
1139.5514	1139.6046	0.0532	47	209	218	VVAMNEAYSR					Mascot
1256.5325	1256.5685	0.036	29	770	780	NADTYTCNAQR					Mascot
1295.6525	1295.7073	0.0548	42	208	218	RVVAMNEAYSR					Mascot
1311.6473	1311.6519	0.0046	4	208	218	RVVAMNEAYSR			Oxidation (M)[5]		Mascot
1397.6478	1397.5939	-0.0539	-39	469	480	MNSLQANGYVER			Oxidation (M)[1]		Mascot
1491.8066	1491.7917	-0.0149	-10	797	808	TDFQLRLWGSR					Mascot
1492.7577	1492.8203	0.0626	42	383	395	RMAFDLTPGEAIR			Oxidation (M)[2]		Mascot
1492.7577	1492.8203	0.0626	42	383	395	RMAFDLTPGEAIR			Oxidation (M)[2]		Mascot
1564.7021	1564.6842	-0.0179	-11	658	671	DSMGDLYAFSSIMK					Mascot
1622.8319	1622.8436	0.0117	7	469	482	MNSLQANGYVERLK					Mascot
2208.1057	2208.041	-0.0647	-29	66	85	QWEVNGNVGSLAAPYP GRHR					Mascot
3234.5308	3234.7236	0.1928	60	770	796	NADTYTCNAQRILQDFQP HEDMLEILR					Mascot

15	hypothetical protein LOC100135329 [Xenopus (Silurana) tropicalis]												
						gi 166158154		52652.1	5.85	10	33	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
972.5836	972.5805	-0.0031	-3	95	103	SQLKQAVAK					Mascot
1188.5388	1188.6804	0.1416	119	308	316	QFTTMELMR			Oxidation (M)[5,8]		Mascot
1188.5388	1188.6804	0.1416	119	308	316	QFTTMELMR			Oxidation (M)[5,8]		Mascot
1256.7473	1256.5685	-0.1788	-142	409	419	LAGIINFQRPK					Mascot
1397.6915	1397.5939	-0.0976	-70	99	110	QAVAKMVQECYK					Mascot
1763.9109	1763.7936	-0.1173	-66	442	456	TSHLIAKEEMIHNLQ					Mascot
1763.9546	1763.9857	0.0311	18	183	197	AEFILEQMRLCIAVK					Mascot
1763.9546	1763.9857	0.0311	18	183	197	AEFILEQMRLCIAVK					Mascot
2189.885	2190.1494	0.2644	121	330	349	EGSMGTPDTPDVFTCTEE GEK			Carbamidomethyl (C)[14]		Mascot

	2189.885	2190.1494	0.2644	121	330	349	EGSMGTPDTPDVFTCTEE GEK		Carbamidomethyl (C)[14]	Mascot	
	2345.9861	2346.1089	0.1228	52	330	350	EGSMGTPDTPDVFTCTEE GEKR		Carbamidomethyl (C)[14]	Mascot	
	2361.981	2362.1104	0.1294	55	330	350	EGSMGTPDTPDVFTCTEE GEKR		Carbamidomethyl (C)[14], Oxidation (M)[4]	Mascot	
	2703.3521	2703.3987	0.0466	17	224	245	LKYYNLMIQVDLHEGSYL SICK		Carbamidomethyl (C)[21], Oxidation (M)[7]	Mascot	
	2918.3962	2918.55	0.1538	53	226	248	YYNLMIQVDLHEGSYLSI CKHYR		Carbamidomethyl (C)[19], Oxidation (M)[5]	Mascot	
16	RAS guanyl-releasing protein 1 [Danio rerio]					gi 113678177	77834.7	7.57	11	32	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4882	842.5079	0.0197	23	271	277	FIHVAQK					Mascot
1165.5703	1165.7401	0.1698	146	580	589	DVVGMECLKR			Oxidation (M)[5]		Mascot
1295.5719	1295.7073	0.1354	105	33	43	MTCPSAQEISR			Carbamidomethyl (C)[3], Oxidation (M)[1]		Mascot
1397.6691	1397.5939	-0.0752	-54	135	145	LMFEMDPLLEK			Oxidation (M)[2,5]		Mascot
1475.6803	1475.7961	0.1158	78	577	588	HCKDVGMECLK			Carbamidomethyl (C)[2,10]		Mascot
1491.6753	1491.7917	0.1164	78	577	588	HCKDVGMECLK			Carbamidomethyl (C)[2,10], Oxidation (M)[8]		Mascot
1564.6995	1564.6842	-0.0153	-10	66	78	CLHCFDSGKLNLR			Carbamidomethyl (C)[1]		Mascot
1862.8589	1862.9497	0.0908	49	507	521	EGEISREEITSYFMR			Oxidation (M)[14]		Mascot
2095.9165	2096.0117	0.0952	45	474	490	NYDLNMDGYISLEEFK			Oxidation (M)[6]		Mascot
2268.1223	2268.0283	-0.094	-41	589	610	RLQVNSSSCPCTPGPVS GLHTK					Mascot
2284.2812	2284.165	-0.1162	-51	433	454	IQPVAPVKPPVVAEWGS GVTPR					Mascot
2362.1396	2362.1104	-0.0292	-12	213	232	NFCNVSFLDYRSYVVHG SVR					Mascot

17	novel protein [Danio rerio]					gi 157888684	14228.7	6.44	6	32	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1115.5817	1115.6874	0.1057	95	97	105	IHNGERPHR					Mascot
1341.6984	1341.712	0.0136	10	59	68	YTYTLKIHR			Oxidation (M)[9]		Mascot
1763.7574	1763.7936	0.0362	21	106	121	CTDCGKSFTDSSSLQK			Carbamidomethyl (C)[1]		Mascot
1763.7574	1763.9857	0.2283	129	106	121	CTDCGKSFTDSSSLQK			Carbamidomethyl (C)[1]		Mascot
1763.7574	1763.9857	0.2283	129	106	121	CTDCGKSFTDSSSLQK			Carbamidomethyl (C)[1]		Mascot
2268.04	2268.0283	-0.0117	-5	11	29	QEDTEELIGFKELSEDEE K					Mascot
2283.0579	2283.1694	0.1115	49	65	83	IHMRIHTGEKPYQCSHCD K					Mascot
2298.0352	2298.1704	0.1352	59	39	58	SQTDFICTGFICAQCGKS			Carbamidomethyl (C)[7,12]		Mascot

18 Zgc:110331 [Danio rerio] FK
gi|62202266 17382.1 8.3 6 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
820.4233	820.4335	0.0102	12	1	8	MAASLAEK					Mascot
882.5294	882.5632	0.0338	38	122	129	ELSLPPVK					Mascot
1045.5636	1045.5592	-0.0044	-4	42	51	NVGSLDKNAK					Mascot
1256.6382	1256.5685	-0.0697	-55	32	41	KVVDHYENPR					Mascot
1701.9026	1701.8966	-0.006	-4	1	16	MAASLAEKCAAPQILK			Carbamidomethyl (C)[9]		Mascot
2190.0898	2190.1494	0.0596	27	84	104	FKTFGCGSAIASSSLATE WVK					Mascot
2190.0898	2190.1494	0.0596	27	84	104	FKTFGCGSAIASSSLATE WVK					Mascot

19 PREDICTED: actin-binding Rho-activating protein-like [Danio rerio] gi|189530046 19545.6 5.42 6 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.6676	996.5936	-0.074	-74	123	131	LVGVLLRAR					Mascot
1188.5942	1188.6804	0.0862	73	75	84	GKDAHFLMNR					Mascot
1188.5942	1188.6804	0.0862	73	75	84	GKDAHFLMNR					Mascot
1296.7058	1296.7302	0.0244	19	105	115	TAVRFGTLFER					Mascot
1402.6168	1402.72	0.1032	74	32	42	WSNEHCENQKK					Mascot
1701.8376	1701.8966	0.059	35	43	57	NPFSNGMVTTPQIQR			Oxidation (M)[7]		Mascot
2190.0793	2190.1494	0.0701	32	77	94	DAHFLMNREVTELCQVIR			Oxidation (M)[6]		Mascot
2190.0793	2190.1494	0.0701	32	77	94	DAHFLMNREVTELCQVIR			Oxidation (M)[6]		Mascot

20 probable ATP-dependent RNA helicase DDX41 [Danio rerio] gi|41054858 34672 8.93 8 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
820.4497	820.4335	-0.0162	-20	241	246	LPFCKR			Carbamidomethyl (C)[4]		Mascot
1139.5798	1139.6046	0.0248	22	116	125	ALMSVKEMAK			Oxidation (M)[3,8]		Mascot
1341.662	1341.712	0.05	37	296	306	EQMEVVKHGVW					Mascot
1764.0054	1763.7936	-0.2118	-120	157	172	KYHILVEGEGIPAPIK					Mascot
1764.0054	1763.9857	-0.0197	-11	157	172	KYHILVEGEGIPAPIK					Mascot

1764.0054	1763.9857	-0.0197	-11	157	172	KYHILVEGEGIPAPIK						Mascot
1861.9741	1861.9338	-0.0403	-22	135	150	TSWNAPRYILSMPAVR						Mascot
2225.3127	2225.1113	-0.2014	-91	190	210	KGIVHPTPIQIGIPTILSG R						Mascot
2225.3127	2225.1113	-0.2014	-91	190	210	KGIVHPTPIQIGIPTILSG R						Mascot
2378.1335	2378.1089	-0.0246	-10	274	295	LLEDEGAPQMRCALCIG GMSVK	Carbamidomethyl (C)[12]					Mascot
3234.6499	3234.7236	0.0737	23	211	239	DMIGIAFTGSGKTLVFTLP IIMFCLEQEK	Oxidation (M)[2,22]					Mascot

21 PREDICTED: oocyte zinc finger protein XICOF6-like, partial [Danio rerio] gi|326666845 49159.4 9.4 10 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1188.579	1188.6804	0.1014	85	188	197	QSSSLNLHMR			Oxidation (M)[9]		Mascot
1188.579	1188.6804	0.1014	85	188	197	QSSSLNLHMR			Oxidation (M)[9]		Mascot
1491.6025	1491.7917	0.1892	127	33	44	DKSCFTCTQCGK			Carbamidomethyl (C)[4,7,10]		Mascot
1708.8146	1708.6907	-0.1239	-73	396	410	IHTGEKPYKCSQCSK					Mascot
1708.8146	1708.6907	-0.1239	-73	396	410	IHTGEKPYKCSQCSK					Mascot
1763.8203	1763.7936	-0.0267	-15	170	184	IHTGEKPFTCTQCGK			Carbamidomethyl (C)[10,13]		Mascot
1763.8203	1763.9857	0.1654	94	170	184	IHTGEKPFTCTQCGK			Carbamidomethyl (C)[10,13]		Mascot
1763.8203	1763.9857	0.1654	94	142	156	IHTGEKPFTCTQCGK			Carbamidomethyl (C)[10,13]		Mascot
1862.9	1862.9497	0.0497	27	282	296	IHTREKPFTCTQCGK			Carbamidomethyl (C)[10,13]		Mascot
2043.0337	2043.0273	-0.0064	-3	111	128	HMKIHTGEKPFICTLCGK					Mascot
2190.0076	2190.1494	0.1418	65	54	72	IHMMIHTGERPFTCTQCG K					Mascot
2190.0076	2190.1494	0.1418	65	54	72	IHMMIHTGERPFTCTQCG K					Mascot
2238.9763	2239.1018	0.1255	56	251	268	HMMTHTIEKPFTCTQCG K			Carbamidomethyl (C)[13,16], Oxidation (M)[2,3]		Mascot
2918.407	2918.55	0.143	49	188	212	QSSSLNLHMRIHTGEKPF TCTLCGK			Carbamidomethyl (C)[20,23], Oxidation (M)[9]		Mascot
3234.4839	3234.7236	0.2397	74	251	278	HMMTHTIEKPFTCTQCG KSFSQSSYLNK					Mascot

22 PREDICTED: hypothetical protein LOC100537919 [Danio rerio] gi|326670747 12350 9.1 6 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1397.6326	1397.5939	-0.0387	-28	41	53	ESACTSNSVRTDK					Mascot
1495.725	1495.8354	0.1104	74	55	67	DEVCLSAFPYVPR					Mascot
1708.8475	1708.6907	-0.1568	-92	54	67	RDEVCLSAFPYVPR			Carbamidomethyl (C)[5]		Mascot

	1708.8475	1708.6907	-0.1568	-92	54	67	RDEVCLSAFPYVPR					Carbamidomethyl (C)[5]	Mascot
	2268.0344	2268.0283	-0.0061	-3	22	40	VMDMEQRTSNLQTNAND LR					Oxidation (M)[2,4]	Mascot
	3234.5745	3234.7236	0.1491	46	2	28	TNFQSQQVFLTLAEMPIH PKVMDMEQR					Oxidation (M)[15]	Mascot
	3282.5269	3282.7026	0.1757	54	78	107	GKTTVLGVMSIFMCVSC GGVAFTCQPACLR					Carbamidomethyl (C)[14,17,24], Oxidation (M)[9,13]	Mascot
23	hypothetical protein LOC100137114 [Danio rerio]					gi 167963476	51534.3	6.24	9	31	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1115.6055	1115.6874	0.0819	73	272	280	AEEQLERLK						Mascot
	1139.5699	1139.6046	0.0347	30	50	58	RIYSCPLCK				Carbamidomethyl (C)[5]		Mascot
	1397.6664	1397.5939	-0.0725	-52	149	159	LQEMICPQH NK				Carbamidomethyl (C)[6]		Mascot
	1404.8461	1404.7225	-0.1236	-88	434	446	IGSATPIIIYTKK						Mascot
	1475.7125	1475.7961	0.0836	57	420	433	SFSFGSTRTGDSVK						Mascot
	1492.7278	1492.8203	0.0925	62	2	14	AEVDISVDQNQFK						Mascot
	1492.7278	1492.8203	0.0925	62	2	14	AEVDISVDQNQFK						Mascot
	1564.8403	1564.6842	-0.1561	-100	70	82	NVVFAMLEKLQK				Oxidation (M)[7]		Mascot
	1864.0426	1863.9562	-0.0864	-46	428	445	TGDSVKIGSATPIIIYTK						Mascot
	1864.0426	1863.9562	-0.0864	-46	428	445	TGDSVKIGSATPIIIYTK						Mascot
	2349.0972	2349.1384	0.0412	18	149	166	LQEMICPQH NKVMEIYCR				Carbamidomethyl (C)[6,17]		Mascot

24 peptidyl-prolyl cis-trans isomerase FKBP7 [Danio rerio] gi|52218882 25041.6 5.3 6 31 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1051.567	1051.7098	0.1428	136	165	172	EEIKEYLK						Mascot
	1402.7941	1402.72	-0.0741	-53	109	121	KVTIPPSLAYGEK						Mascot
	1475.6869	1475.7961	0.1092	74	94	107	GLDVALQDMCPGEK						Mascot
	1491.6818	1491.7917	0.1099	74	94	107	GLDVALQDMCPGEK				Oxidation (M)[9]		Mascot
	1564.7676	1564.6842	-0.0834	-53	36	48	IEVTFLPENC SQK				Carbamidomethyl (C)[10]		Mascot
	1763.8997	1763.7936	-0.1061	-60	36	50	IEVTFLPENC SQKAK				Carbamidomethyl (C)[10]		Mascot
	1763.8997	1763.9857	0.086	49	36	50	IEVTFLPENC SQKAK				Carbamidomethyl (C)[10]		Mascot
	1763.8997	1763.9857	0.086	49	36	50	IEVTFLPENC SQKAK				Carbamidomethyl (C)[10]		Mascot
	3298.8286	3298.7104	-0.1182	-36	1	26	MFLRFLFYFCLILSLQALY PFITIIR				Carbamidomethyl (C)[10]		Mascot
	3298.8286	3298.7104	-0.1182	-36	1	26	MFLRFLFYFCLILSLQALY PFITIIR				Carbamidomethyl (C)[10]		Mascot

25 PREDICTED: myelin transcription factor 1-like gi|326675841 117363.1 4.8 15 30 0

protein-like [Danio rerio]

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
842.473	842.5079	0.0349	41	1052	1059	QAVQGIQV				Mascot
1165.6219	1165.7401	0.1182	101	562	570	VL RPMCFVK			Carbamidomethyl (C)[6], Oxidation (M)[5]	Mascot
1176.6986	1176.6115	-0.0871	-74	47	56	KVFLTVVDQK				Mascot
1188.6107	1188.6804	0.0697	59	629	638	DKLDINEDVK				Mascot
1188.6107	1188.6804	0.0697	59	629	638	DKLDINEDVK				Mascot
1256.6633	1256.5685	-0.0948	-75	475	484	KPY YLK DSSR				Mascot
1295.6049	1295.7073	0.1024	79	379	390	SKTFSSCAA EHK				Mascot
1296.575	1296.7302	0.1552	120	543	554	AHEKHQSCDGGK				Mascot
1402.7173	1402.72	0.0027	2	233	245	GELSLDVNSDVVR				Mascot
1404.7845	1404.7225	-0.062	-44	33	45	KPLETHALEPAAK				Mascot
1564.6908	1564.6842	-0.0066	-4	935	948	QQTSNGLDCDADIK			Carbamidomethyl (C)[9]	Mascot
1701.9204	1701.8966	-0.0238	-14	760	775	DLITLSGCPLADKSIR				Mascot
2224.9668	2225.1113	0.1445	65	599	617	YSKTSFDYNNYDSSGVY SK				Mascot
2224.9668	2225.1113	0.1445	65	599	617	YSKTSFDYNNYDSSGVY SK				Mascot
2239.0264	2239.1018	0.0754	34	2	22	EESLESRGAVCGVKPG MSCR			Carbamidomethyl (C)[12]	Mascot
2269.0708	2269.0205	-0.0503	-22	10	30	GAVCGVKPGMSCRVYG CPVAK			Carbamidomethyl (C)[4,12,17], Oxidation (M)[10]	Mascot
2349.0874	2349.1384	0.051	22	935	955	QQTSNGLDCDADIKQLD EDIK				Mascot

26 ubiquinone biosynthesis protein COQ7 homolog [Danio rerio] gi|131886497 25016.5 5.84 4 30 0 18 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1188.5392	1188.6804	0.1412	119	61	71	VDHAGEYGANR	18	0		Mascot
1188.5392	1188.6804	0.1412	119	61	71	VDHAGEYGANR				Mascot
1862.8677	1862.9497	0.082	44	11	26	LDLSHVFCPSSVWNCR				Mascot
2349.105	2349.1384	0.0334	14	7	26	CAVRLDLSHVFCPSSVW NCR			Carbamidomethyl (C)[1]	Mascot
3282.5007	3282.7026	0.2019	62	179	206	EFRDDEIEHHD TGLEHDA ESVPGYMLLK				Mascot
3298.4956	3298.7104	0.2148	65	179	206	EFRDDEIEHHD TGLEHDA ESVPGYMLLK			Oxidation (M)[25]	Mascot
3298.4956	3298.7104	0.2148	65	179	206	EFRDDEIEHHD TGLEHDA ESVPGYMLLK			Oxidation (M)[25]	Mascot

27 solute carrier family 25, member 16 [Danio rerio] gi|220678978 35307.4 9.82 7 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
972.4573	972.5805	0.1232	127	21	27	DGYWLR					Mascot
996.5216	996.5936	0.072	72	269	277	CCSLTKTLK					Mascot
1165.6224	1165.7401	0.1177	101	147	156	LAFQVTGHR					Mascot
1311.6362	1311.6519	0.0157	12	257	268	MLGASLPDHDK					Mascot
2096.0918	2096.0117	-0.0801	-38	1	20	MTTEAVSSGARPQIPAPV QR					Mascot
2239.0059	2239.1018	0.0959	43	21	40	DGYWLRSTAGGVAGC CAK			Carbamidomethyl (C)[17,18]		Mascot
2918.4907	2918.55	0.0593	20	2	27	TTEAVSSGARPQIPAPVQ RDGYWLR					Mascot

28 RecName: Full=Serine/threonine-protein kinase SIK3
homolog; AltName: Full=Serine/threonine-protein
gi|82185347 130884.5 6.25 6 30 0 21 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
820.3981	820.4335	0.0354	43	153	159	MAEKDAR					Mascot
1188.6782	1188.6804	0.0022	2	112	120	MLRHPHIR	21	0	Oxidation (M)[1]		Mascot
1188.6782	1188.6804	0.0022	2	112	120	MLRHPHIR			Oxidation (M)[1]		Mascot
1863.0334	1862.9497	-0.0837	-45	181	196	DLKAENLLLDHNLNIK					Mascot
2211.0798	2211.104	0.0242	11	44	63	SAAAACRPPLARVGYE MER					Mascot
2268.1011	2268.0283	-0.0728	-32	44	63	SAAAACRPPLARVGYE MER			Carbamidomethyl (C)[6]		Mascot
2284.0959	2284.165	0.0691	30	44	63	SAAAACRPPLARVGYE MER			Carbamidomethyl (C)[6], Oxidation (M)[18]		Mascot
2918.3118	2918.55	0.2382	82	1094	1119	HHTIQTCDDEYQVEPM SGMSLLAGK			Carbamidomethyl (C)[7]		Mascot
3282.3582	3282.7026	0.3444	105	1145	1174	EGPVCDVDADVHSSCY PSSCTDMLLSYK			Carbamidomethyl (C)[5], Oxidation (M)[25]		Mascot

29 leucine-rich repeat-containing protein 50 [Danio rerio] gi|38488755 61618.7 4.66 9 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5822	842.5079	-0.0743	-88	230	236	TLIVRLK					Mascot
1115.6207	1115.6874	0.0667	60	386	395	QSATWGLKPK					Mascot
1311.7518	1311.6519	-0.0999	-76	195	206	ISDPALVNILEK					Mascot
1475.7887	1475.7961	0.0074	5	279	291	KIQESLDAMTAIR					Mascot
1491.7836	1491.7917	0.0081	5	279	291	KIQESLDAMTAIR			Oxidation (M)[9]		Mascot

1861.8497	1861.9338	0.0841	45	250	267	DRACAEAWAAGGLEGE QK						Mascot
1862.976	1862.9497	-0.0263	-14	237	251	QLTYLDDRPVFPKDR						Mascot
1873.9874	1874.047	0.0596	32	207	222	MPDLRVNLNMGNEVIK				Oxidation (M)[1,10]		Mascot
2362.2588	2362.1104	-0.1484	-63	118	137	CLFLHQNLHTLENLEPLS K						Mascot
2918.4392	2918.55	0.1108	38	71	95	LNDTLYLHFKGFSCIEGL EETGLR						Mascot

30 RecName: Full=Leucine-rich repeat-containing protein gi|223635335 62106.9 4.7 9 30 0
50

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5822	842.5079	-0.0743	-88	234	240	TLIVRLK					Mascot
1115.6207	1115.6874	0.0667	60	390	399	QSATWGLKPK					Mascot
1311.7518	1311.6519	-0.0999	-76	199	210	ISDPALVNILEK					Mascot
1475.7887	1475.7961	0.0074	5	283	295	KIQESLDAMTAIR					Mascot
1491.7836	1491.7917	0.0081	5	283	295	KIQESLDAMTAIR			Oxidation (M)[9]		Mascot
1861.8497	1861.9338	0.0841	45	254	271	DRACAEAWAAGGLEGE QK					Mascot
1862.976	1862.9497	-0.0263	-14	241	255	QLTYLDDRPVFPKDR					Mascot
1873.9874	1874.047	0.0596	32	211	226	MPDLRVNLNMGNEVIK			Oxidation (M)[1,10]		Mascot
2362.2588	2362.1104	-0.1484	-63	122	141	CLFLHQNLHTLENLEPLS K					Mascot
2918.4392	2918.55	0.1108	38	75	99	LNDTLYLHFKGFSCIEGL EETGLR					Mascot

31 adenosine deaminase [Danio rerio] gi|15593021 79875.8 9.13 10 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1188.5756	1188.6804	0.1048	88	671	681	GSRPGSYHEAK					Mascot
1188.5756	1188.6804	0.1048	88	671	681	GSRPGSYHEAK					Mascot
1341.6692	1341.712	0.0428	32	639	649	HDLGRQSQLCK			Carbamidomethyl (C)[10]		Mascot
1402.6671	1402.72	0.0529	38	584	595	IADMDDIPPPFR			Oxidation (M)[4]		Mascot
1495.7686	1495.8354	0.0668	45	406	419	GLALNDCHAEIAR					Mascot
1708.8911	1708.6907	-0.2004	-117	406	420	GLALNDCHAEIARR			Carbamidomethyl (C)[7]		Mascot
1708.8911	1708.6907	-0.2004	-117	406	420	GLALNDCHAEIARR			Carbamidomethyl (C)[7]		Mascot
1763.8459	1763.7936	-0.0523	-30	354	368	FSELTDNFSSPHARR					Mascot
1763.8459	1763.9857	0.1398	79	354	368	FSELTDNFSSPHARR					Mascot
1763.8459	1763.9857	0.1398	79	354	368	FSELTDNFSSPHARR					Mascot

	1861.9014	1861.9338	0.0324	17	157	173	SFVQFPNASEAHLAMGR											Mascot
	2271.9932	2272.0178	0.0246	11	16	35	FCSLDVDEDKHLSTCSM DVK											Mascot
	2271.9932	2272.0178	0.0246	11	16	35	FCSLDVDEDKHLSTCSM DVK											Mascot
	2346.1982	2346.1089	-0.0893	-38	305	326	ARAAQAALSGLFNMQLD QTPSR											Mascot
	2362.1931	2362.1104	-0.0827	-35	305	326	ARAAQAALSGLFNMQLD QTPSR						Oxidation (M)[14]					Mascot
	2378.2058	2378.1089	-0.0969	-41	39	61	NLDNLSSKEVLGEGPHLA NGSAR											Mascot
32	Ras-related protein Rab-39A [Danio rerio]				gi 57526713		24458.4	5.73	6	30	0							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1115.667	1115.6874	0.0204	18	11	21	IILLGDSTVGK					Mascot
1256.6058	1256.5685	-0.0373	-30	2	10	DTLWQYQFR					Mascot
1701.8186	1701.8966	0.078	46	170	183	DIYELMKMGIESTR			Oxidation (M)[6]		Mascot
1708.8435	1708.6907	-0.1528	-89	156	169	CNSNVERAFELLTR			Carbamidomethyl (C)[1]		Mascot
1708.8435	1708.6907	-0.1528	-89	156	169	CNSNVERAFELLTR			Carbamidomethyl (C)[1]		Mascot
1862.9493	1862.9497	0.0004	0	191	207	SGLTAKVLYPAEEEAER					Mascot
2268.1958	2268.0283	-0.1675	-74	106	124	EVSEHILPHHMVYILGHK			Oxidation (M)[11]		Mascot

33	phosphatidylinositol 3-kinase regulatory subunit beta [Danio rerio]				gi 47086393		82775	6.09	5	30	0	21	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
972.5512	972.5805	0.0293	30	591	598	INEWLGIK					Mascot
1188.6372	1188.6804	0.0432	36	361	370	VHGEYTLTLR	21	0			Mascot
1188.6372	1188.6804	0.0432	36	361	370	VHGEYTLTLR					Mascot
1622.8359	1622.8436	0.0077	5	118	131	QFMHPETAPPNLIK					Mascot
2095.9819	2096.0117	0.0298	14	17	34	DWEHDIDLEPGDVLTV DK					Mascot
2211.0935	2211.104	0.0105	5	654	673	GSFACSVVVEGEIKHCVV YK			Carbamidomethyl (C)[5]		Mascot
2268.115	2268.0283	-0.0867	-38	654	673	GSFACSVVVEGEIKHCVV YK			Carbamidomethyl (C)[5,16]		Mascot

34	protein BTG3 [Danio rerio]				gi 55925203		18115.1	5.85	5	30	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	1491.7015	1491.7917	0.0902	60	42	53	YKGHWYPDNPSK										Mascot
	2211.0208	2211.104	0.0832	38	91	108	ELTLWVDPGEVCCRYGE K						Carbamidomethyl (C)[12,13]				Mascot
	2224.9412	2225.1113	0.1701	76	139	158	VTSDYHSGSSSDEDSML VHR						Oxidation (M)[16]				Mascot
	2224.9412	2225.1113	0.1701	76	139	158	VTSDYHSGSSSDEDSML VHR						Oxidation (M)[16]				Mascot
	2300.1414	2300.1643	0.0229	10	85	104	DLGLPKELTLWVDPGEV CCR						Carbamidomethyl (C)[18]				Mascot
	2362.0105	2362.1104	0.0999	42	105	125	YGEKNHGFTVATFSSD DDDK										Mascot
35	PREDICTED: protein-glutamine gamma-glutamyltransferase 2-like [Danio rerio]					gi 326668941	74951.8	5.69	10	29	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	820.5039	820.4335	-0.0704	-86	479	485	LFLKGSR							Mascot
	1045.5425	1045.5592	0.0167	16	437	445	AVYTEAVHR							Mascot
	1296.6075	1296.7302	0.1227	95	385	395	VCWLLMTDGSR				Oxidation (M)[6]			Mascot
	1492.6809	1492.8203	0.1394	93	68	81	GTQSSTNPAQVCSR				Carbamidomethyl (C)[12]			Mascot
	1492.6809	1492.8203	0.1394	93	68	81	GTQSSTNPAQVCSR				Carbamidomethyl (C)[12]			Mascot
	1622.8167	1622.8436	0.0269	17	398	412	IMSDSRSVGQNLSTK							Mascot
	1862.875	1862.9497	0.0747	40	255	270	YGQCWVFAAVMCTVLR				Oxidation (M)[11]			Mascot
	2211.0017	2211.104	0.1023	46	2	22	CSSSSSNTPDQGVRVDL ECVK							Mascot
	2268.0229	2268.0283	0.0054	2	2	22	CSSSSSNTPDQGVRVDL ECVK				Carbamidomethyl (C)[1]			Mascot
	2269.0198	2269.0205	0.0007	0	107	125	HGSSSCMNTLLFNPW CK				Carbamidomethyl (C)[6,18], Oxidation (M)[7]			Mascot
	2362.1025	2362.1104	0.0079	3	271	290	CLGIPCRVVTNYQSAHDT DR				Carbamidomethyl (C)[1,6]			Mascot
	2703.2849	2703.3987	0.1138	42	255	277	YGQCWVFAAVMCTVLR LGIPCR				Carbamidomethyl (C)[4,12]			Mascot

36 rtn4rl2a [Danio rerio] gi|157676789 51961.2 7.19 8 29 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	972.4455	972.5805	0.135	139	1	8	METSTFTR							Mascot
	1176.6371	1176.6115	-0.0256	-22	132	142	LEGGAFRGLEK							Mascot
	1463.7158	1463.8864	0.1706	117	291	304	LSSSEVLCASPASR				Carbamidomethyl (C)[8]			Mascot
	1492.8093	1492.8203	0.011	7	151	163	CKLAALPHDIFHK							Mascot
	1492.8093	1492.8203	0.011	7	151	163	CKLAALPHDIFHK							Mascot
	1708.8501	1708.6907	-0.1594	-93	365	381	AHPYTGKSSVTSTSTK							Mascot

	1708.8501	1708.6907	-0.1594	-93	365	381	AHPYTGGKSSVTSTSTK							Mascot
	2269.1445	2269.0205	-0.124	-55	373	393	SSVTSTSTKYELGEEEEAL LPK							Mascot
	2298.1621	2298.1704	0.0083	4	239	258	LTMLFLFNNSLAELPGQA MR				Oxidation (M)[3,19]			Mascot
	2314.0002	2314.1401	0.1399	60	415	435	CFELECPPEFDSLPPSSS SSR							Mascot

37 novel protein similar to H.sapiens FBXO41, F-box protein 41 (FBXO41) [Danio rerio] gi|220678004 35930.7 9.06 8 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1025.5262	1025.6066	0.0804	78	81	88	EEYLKSTR					Mascot
1139.5765	1139.6046	0.0281	25	292	300	KLFDEMVNK			Oxidation (M)[6]		Mascot
1188.6517	1188.6804	0.0287	24	15	24	TLLRAAEVCR			Carbamidomethyl (C)[9]		Mascot
1188.6517	1188.6804	0.0287	24	15	24	TLLRAAEVCR			Carbamidomethyl (C)[9]		Mascot
1311.6475	1311.6519	0.0044	3	111	121	VSHCPNLLTDR			Carbamidomethyl (C)[4]		Mascot
1564.8403	1564.6842	-0.1561	-100	293	305	LFDEMVNKLQALK			Oxidation (M)[5]		Mascot
1929.9487	1929.9614	0.0127	7	140	158	SATDPVGQEVWALGAG CR					Mascot
1929.9487	1929.9614	0.0127	7	140	158	SATDPVGQEVWALGAG CR					Mascot
2043.0804	2043.0273	-0.0531	-26	159	176	DIISLQVAPLHPCQPAR			Carbamidomethyl (C)[13]		Mascot
2378.1511	2378.1089	-0.0422	-18	271	291	SIVVQIGIEDYFEDPNSPE AR					Mascot

38 reticulon-4-interacting protein 1 homolog, mitochondrial [Danio rerio] gi|41054824 38884.1 6.68 7 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1165.5769	1165.7401	0.1632	140	349	358	TVVSIMEDQK			Oxidation (M)[6]		Mascot
1176.6411	1176.6115	-0.0296	-25	2	11	PAWVIDKYGK					Mascot
1763.8334	1763.7936	-0.0398	-23	204	220	DLGADDVVDYTAGPVEK					Mascot
1763.8334	1763.9857	0.1523	86	204	220	DLGADDVVDYTAGPVEK					Mascot
1763.8334	1763.9857	0.1523	86	204	220	DLGADDVVDYTAGPVEK					Mascot
1863.0408	1862.9497	-0.0911	-49	166	184	VLILGGSGGVGTFAIQMV K			Oxidation (M)[17]		Mascot
1902.9901	1902.9491	-0.041	-22	94	109	YFKPGDQVWAAIPWK					Mascot
2096.0547	2096.0117	-0.043	-21	269	288	LGLADGMMQSAVTGCK VVK			Carbamidomethyl (C)[16], Oxidation (M)[7,8]		Mascot
2300.054	2300.1643	0.1103	48	298	319	WGFFAPSGSALDEVSEM VDAGK					Mascot

39 PREDICTED: ubiquitin carboxyl-terminal hydrolase gi|189517011 128296.5 9.38 12 29 0

43-like [Danio rerio]

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4377	850.54	0.1023	120	1077	1084	STSKTNGR					Mascot
996.5472	996.5936	0.0464	47	1121	1130	NGPLVPASNK					Mascot
1045.5636	1045.5592	-0.0044	-4	1071	1080	TGTVHKSTSK					Mascot
1188.5725	1188.6804	0.1079	91	651	660	HMVQRTSCAR					Mascot
1188.5725	1188.6804	0.1079	91	651	660	HMVQRTSCAR					Mascot
1341.7848	1341.712	-0.0728	-54	172	183	GEVTERLAVLVR					Mascot
1492.6962	1492.8203	0.1241	83	742	754	RDAIPSWASCSR			Carbamidomethyl (C)[11]		Mascot
1492.6962	1492.8203	0.1241	83	742	754	RDAIPSWASCSR			Carbamidomethyl (C)[11]		Mascot
1564.8516	1564.6842	-0.1674	-107	294	307	QTRPVCVTLVFSSK					Mascot
1929.9745	1929.9614	-0.0131	-7	184	199	ALWTFQYTPQLSAEFK					Mascot
1929.9745	1929.9614	-0.0131	-7	184	199	ALWTFQYTPQLSAEFK					Mascot
2255.9355	2256.0247	0.0892	40	56	78	SDAEDDDGGFGESAPCA GNSVKK					Mascot
2300.1682	2300.1643	-0.0039	-2	247	265	NKPGVRHSFVQEHFQAQ YK					Mascot
2314.2166	2314.1401	-0.0765	-33	472	490	LYYLMINGSQAHNFRVLF K					Mascot
3282.5339	3282.7026	0.1687	51	120	148	NHGNTCFMNAVVQCLSN TDLLAEYLGLEK			Carbamidomethyl (C)[6]		Mascot
3298.5288	3298.7104	0.1816	55	120	148	NHGNTCFMNAVVQCLSN TDLLAEYLGLEK	3	0	Carbamidomethyl (C)[6], Oxidation (M)[8]		Mascot
3298.5288	3298.7104	0.1816	55	120	148	NHGNTCFMNAVVQCLSN TDLLAEYLGLEK			Carbamidomethyl (C)[6], Oxidation (M)[8]		Mascot
PREDICTED: hypothetical protein LOC100538192 [Danio rerio]				gi 326664724		234026	9.01	20	29	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
820.4597	820.4335	-0.0262	-32	1586	1592	QTMLTVK					Mascot
850.4205	850.54	0.1195	141	201	207	AEFAWAR					Mascot
972.5836	972.5805	-0.0031	-3	695	702	IVSQEKLK					Mascot
996.5624	996.5936	0.0312	31	173	180	WIPAPERK					Mascot
1139.6102	1139.6046	-0.0056	-5	329	338	MPALRGNQPR					Mascot
1165.5887	1165.7401	0.1514	130	1450	1458	YSVEEWPKK					Mascot
1256.746	1256.5685	-0.1775	-141	371	381	SIESKLPELLK					Mascot
1341.7485	1341.712	-0.0365	-27	1990	2001	LARVIQVNADDK					Mascot

	1404.8434	1404.7225	-0.1209	-86	715	726	RPGKIDLLISHR										Mascot
	1622.7056	1622.8436	0.138	85	516	528	GDFSDDHHYFLCPK						Carbamidomethyl (C)[11]				Mascot
	1763.922	1763.7936	-0.1284	-73	1619	1634	LAVYRENSGLLVCGGR						Carbamidomethyl (C)[13]				Mascot
	1763.922	1763.9857	0.0637	36	1619	1634	LAVYRENSGLLVCGGR						Carbamidomethyl (C)[13]				Mascot
	1763.922	1763.9857	0.0637	36	1619	1634	LAVYRENSGLLVCGGR						Carbamidomethyl (C)[13]				Mascot
	2190.0859	2190.1494	0.0635	29	1900	1919	EDCVEYVNPNSLLGRS GPK										Mascot
	2190.0859	2190.1494	0.0635	29	1900	1919	EDCVEYVNPNSLLGRS GPK										Mascot
	2208.0747	2208.041	-0.0337	-15	577	597	VKMINCSGNDQQGLVSN SGLK						Oxidation (M)[3]				Mascot
	2211.0215	2211.104	0.0825	37	816	833	EFIDWWKWDSIGTACEP K										Mascot
	2255.9226	2256.0247	0.1021	45	492	509	CLGVHEDDSRCSNYLC R						Carbamidomethyl (C)[1,11,17]				Mascot
	2268.043	2268.0283	-0.0147	-6	816	833	EFIDWWKWDSIGTACEP K						Carbamidomethyl (C)[15]				Mascot
	2272.0881	2272.0178	-0.0703	-31	1031	1048	FLWRDTQDEEISEYAIR										Mascot
	2272.0881	2272.0178	-0.0703	-31	1031	1048	FLWRDTQDEEISEYAIR										Mascot
	2300.1956	2300.1643	-0.0313	-14	671	691	TPEGTVKAHQICYLEEI AK										Mascot
	2346.22	2346.1089	-0.1111	-47	1969	1989	NVAVGDVWVLADQNALR SQYK										Mascot
	2349.084	2349.1384	0.0544	23	1082	1101	VLEEDSYVDDILTSHNSQ ER										Mascot
	2703.4307	2703.3987	-0.032	-12	340	364	VIELIQMVEKALADLTDLG NVGAMK						Oxidation (M)[7,24]				Mascot

41

novel protein [Danio rerio]

gi|27802780

24560.2

4.94

5

28

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1564.7489	1564.6842	-0.0647	-41	29	42	ADNAVQDTIVFDEK					Mascot
2268.0391	2268.0283	-0.0108	-5	81	98	YNRPEEDKDALYHPFDM K					Mascot
2272.0989	2272.0178	-0.0811	-36	29	48	ADNAVQDTIVFDEKMFLG MK	2		0		Mascot
2272.0989	2272.0178	-0.0811	-36	29	48	ADNAVQDTIVFDEKMFLG MK					Mascot
2284.0339	2284.165	0.1311	57	81	98	YNRPEEDKDALYHPFDM K			Oxidation (M)[17]		Mascot
2346.1572	2346.1089	-0.0483	-21	143	163	EKDVIIGNNVRPIYSSPE EDK					Mascot
2502.0874	2502.2581	0.1707	68	54	74	EDMDITDFDIDPDMVW KAAK			Oxidation (M)[3]		Mascot

42

Pik3r2 protein [Danio rerio]

gi|190338110

83005.2

5.35

4

28

0

21

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	972.5512	972.5805	0.0293	30	592	599	INEWLGIK						Mascot
	1188.6372	1188.6804	0.0432	36	362	371	VHGEYTLTLR	21	0				Mascot
	1188.6372	1188.6804	0.0432	36	362	371	VHGEYTLTLR						Mascot
	1622.8359	1622.8436	0.0077	5	118	131	QFMHPETAPPNLIK						Mascot
	2211.0935	2211.104	0.0105	5	655	674	GSFACSVVVEGEIKHCVV YK			Carbamidomethyl (C)[5]			Mascot
	2268.115	2268.0283	-0.0867	-38	655	674	GSFACSVVVEGEIKHCVV YK			Carbamidomethyl (C)[5,16]			Mascot
43	novel protein with Methyltransferase domains [Danio rerio]					gi 169158986	18959.9	4.5	5	28	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1341.6433	1341.712	0.0687	51	2	12	DYLPDSNARYK					Mascot
1397.757	1397.5939	-0.1631	-117	141	152	LLHQVLLESCSR					Mascot
1622.7009	1622.8436	0.1427	88	23	35	TEESFEWFGDFTK					Mascot
1763.8315	1763.7936	-0.0379	-21	91	104	DCAQLSWLCLDARR			Carbamidomethyl (C)[2,9]		Mascot
1763.8315	1763.9857	0.1542	87	91	104	DCAQLSWLCLDARR			Carbamidomethyl (C)[2,9]		Mascot
1763.8315	1763.9857	0.1542	87	91	104	DCAQLSWLCLDARR			Carbamidomethyl (C)[2,9]		Mascot
3234.6279	3234.7236	0.0957	30	105	133	LAFPDGVFDVVLEKGTLD AMLVEETDPWK					Mascot

44 PREDICTED: centrosomal protein of 152 kDa-like [Danio rerio] gi|189537675 179442.1 5.41 16 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
972.5472	972.5805	0.0333	34	1093	1100	VLKEAQER					Mascot
996.5108	996.5936	0.0828	83	754	761	LEENLHNK					Mascot
1025.5487	1025.6066	0.0579	56	1150	1157	EHKNTLQR					Mascot
1256.7208	1256.5685	-0.1523	-121	635	644	LQERLEVLEK					Mascot
1311.6427	1311.6519	0.0092	7	1485	1496	SIGDNSDVTIYK					Mascot
1397.7318	1397.5939	-0.1379	-99	561	571	NELQRCLSHLK			Carbamidomethyl (C)[6]		Mascot
1463.7125	1463.8864	0.1739	119	881	892	SSLQTEKAEWER					Mascot
1492.7682	1492.8203	0.0521	35	869	880	WLQDLTSLPEYK					Mascot
1492.7682	1492.8203	0.0521	35	869	880	WLQDLTSLPEYK					Mascot
1495.7289	1495.8354	0.1065	71	211	223	ATYQPHQPSNQPK					Mascot
1708.8977	1708.6907	-0.207	-121	893	907	LQQQHVVQEQVSSAVK					Mascot
1708.8977	1708.6907	-0.207	-121	893	907	LQQQHVVQEQVSSAVK					Mascot

	1861.9147	1861.9338	0.0191	10	455	470	LLHTGSVQEMSQLQMK		Oxidation (M)[10,15]	Mascot
	2225.1191	2225.1113	-0.0078	-4	730	749	LTDLSQEVLAQECYLAVCK			Mascot
	2225.1191	2225.1113	-0.0078	-4	730	749	LTDLSQEVLAQECYLAVCK			Mascot
	2239.1289	2239.1018	-0.0271	-12	1341	1358	QIHQIYNQTYTSLMSKQR			Mascot
	2256.1401	2256.0247	-0.1154	-51	435	454	ASVINTLTHRLEESQQQCAK			Mascot
	2271.9492	2272.0178	0.0686	30	1302	1322	MQNAYGGSDKTDPETCDSPAK		Carbamidomethyl (C)[16]	Mascot
	2271.9492	2272.0178	0.0686	30	1302	1322	MQNAYGGSDKTDPETCDSPAK		Carbamidomethyl (C)[16]	Mascot
	3234.6389	3234.7236	0.0847	26	236	263	FDQLQRDFLDSTQNTADGQQLAQLQILK			Mascot
45	39S ribosomal protein L40, mitochondrial [Danio rerio]				gi 52219072	23228.2	9.49	6	28	0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4267	842.5079	0.0812	96	119	124	EWSRHK					Mascot
1115.6571	1115.6874	0.0303	27	114	122	ALLLKEWSR					Mascot
1296.6299	1296.7302	0.1003	77	1	11	MAGFVCRAVNR			Carbamidomethyl (C)[6], Oxidation (M)[1]		Mascot
1564.7424	1564.6842	-0.0582	-37	101	113	ALPEVCFEESERR					Mascot
1763.8778	1763.7936	-0.0842	-48	12	27	IISQSSCCSPVIAVR			Carbamidomethyl (C)[8,9]		Mascot
1763.8778	1763.9857	0.1079	61	12	27	IISQSSCCSPVIAVR			Carbamidomethyl (C)[8,9]		Mascot
1763.8778	1763.9857	0.1079	61	12	27	IISQSSCCSPVIAVR			Carbamidomethyl (C)[8,9]		Mascot
3234.5857	3234.7236	0.1379	43	12	39	IISQSSCCSPVIAVRHSHWFTSMLSLK			Carbamidomethyl (C)[8,9], Oxidation (M)[24]		Mascot

46 LOC100007791 protein [Danio rerio] gi|156230485 69372.3 8.33 9 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.577	882.5632	-0.0138	-16	2	9	ANVKPLLK					Mascot
1139.4851	1139.6046	0.1195	105	423	432	YSNDSEPEAK					Mascot
1311.8107	1311.6519	-0.1588	-121	117	128	QILIGNSLIGRK					Mascot
1862.8813	1862.9497	0.0684	37	173	188	CNDIFKVQPDGTGQQNR					Mascot
2042.9781	2043.0273	0.0492	24	45	62	LMTVDMMVSCFGPKAEVK			Carbamidomethyl (C)[10]		Mascot
2095.989	2096.0117	0.0227	11	86	105	QGAASETSKSPVDYTN TSR					Mascot
2256.1045	2256.0247	-0.0798	-35	265	282	VMFIFDGLDEYRFELSFK					Mascot
2272.0994	2272.0178	-0.0816	-36	265	282	VMFIFDGLDEYRFELSFK			Oxidation (M)[2]		Mascot
2272.0994	2272.0178	-0.0816	-36	265	282	VMFIFDGLDEYRFELSFK			Oxidation (M)[2]		Mascot

		2314.1196	2314.1401	0.0205	9	129	148	KNLDDIYTDLYVVENETG GR									Mascot
		2918.2542	2918.55	0.2958	101	22	44	EFQWYLMNDHVCVTKAE MENADR								Carbamidomethyl (C)[12], Oxidation (M)[7, 18]	Mascot
47	PREDICTED: hypothetical protein LOC368914 [Danio rerio]						gi 292620215	24804.3	4.94	5	28	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1564.7489	1564.6842	-0.0647	-41	31	44	ADNAVQDTIVFDEK					Mascot
2268.0391	2268.0283	-0.0108	-5	83	100	YNRPEEDKDALYHPFDM K					Mascot
2272.0989	2272.0178	-0.0811	-36	31	50	ADNAVQDTIVFDEKMFLG MK	2		0		Mascot
2272.0989	2272.0178	-0.0811	-36	31	50	ADNAVQDTIVFDEKMFLG MK					Mascot
2284.0339	2284.165	0.1311	57	83	100	YNRPEEDKDALYHPFDM K			Oxidation (M)[17]		Mascot
2346.1572	2346.1089	-0.0483	-21	145	165	EKDVIGGNVRIPISSPE EDK					Mascot
2502.0874	2502.2581	0.1707	68	56	76	EDMDITDFDIDPDMMVW KAAK			Oxidation (M)[3]		Mascot

48	novel protein similar to vertebrate FK506 binding protein 7 (FKBP7) [Danio rerio]						gi 169154861	25403.8	5.42	6	28	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1051.567	1051.7098	0.1428	136	168	175	EEIKEYLK					Mascot
1402.7941	1402.72	-0.0741	-53	112	124	KVTIPPSLAYGEK					Mascot
1475.6869	1475.7961	0.1092	74	97	110	GLDVALQDMCPGEK					Mascot
1491.6818	1491.7917	0.1099	74	97	110	GLDVALQDMCPGEK			Oxidation (M)[9]		Mascot
1564.7676	1564.6842	-0.0834	-53	39	51	IEVTFLPENCSQK			Carbamidomethyl (C)[10]		Mascot
1763.8997	1763.7936	-0.1061	-60	39	53	IEVTFLPENCSQKAK			Carbamidomethyl (C)[10]		Mascot
1763.8997	1763.9857	0.086	49	39	53	IEVTFLPENCSQKAK			Carbamidomethyl (C)[10]		Mascot
1763.8997	1763.9857	0.086	49	39	53	IEVTFLPENCSQKAK			Carbamidomethyl (C)[10]		Mascot
3298.8286	3298.7104	-0.1182	-36	4	29	MFLRFLFYFCLILSLQALY PFITIIR			Carbamidomethyl (C)[10]		Mascot
3298.8286	3298.7104	-0.1182	-36	4	29	MFLRFLFYFCLILSLQALY PFITIIR			Carbamidomethyl (C)[10]		Mascot

49	serine/threonine-protein kinase SIK3 homolog [Danio rerio]						gi 41054605	131079.6	6.26	1		21	0				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	1188.6782	1188.6804	0.0022	2	114	122	MLRHPHIIR	21	0	Oxidation (M)[1]	4	Mascot
50	PREDICTED: leucine-rich repeat-containing protein 28 [Danio rerio]											
							gi 326669211	41393.4	6.59	1	17	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1930.0024	1929.9614	-0.041	-21	244	261	QLCLTMGDVTVPSPSEV K	17	0		2	Mascot

Gel Idx/Pos	218/118	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	eukaryotic translation elongation factor 2b [Danio rerio]	gi 41386743	95436.8	6.28	13	293	100	260	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
969.5475	969.5462	-0.0013	-1	717	726	GGGQIIPTAR					Mascot
1091.5844	1091.5801	-0.0043	-4	2	10	VNFTVDQIR					Mascot
1091.5844	1091.5801	-0.0043	-4	2	10	VNFTVDQIR	53	99.84			Mascot
1402.8053	1402.7197	-0.0856	-61	439	449	KEDLYLKPIQR					Mascot
1420.7253	1420.7236	-0.0017	-1	728	739	VLYACQLTAEPR			Carbamidomethyl (C)[5]		Mascot
1475.7896	1475.7522	-0.0374	-25	151	162	IKPVLMMNKMDR					Mascot
1531.7533	1531.7518	-0.0015	-1	826	839	DAASKPCQIVADTR			Carbamidomethyl (C)[7]		Mascot
1576.8264	1576.8215	-0.0049	-3	727	739	RVLYACQLTAEPR			Carbamidomethyl (C)[6]		Mascot
1772.849	1772.8462	-0.0028	-2	634	647	YLADKYEWVTEAR	78	100			Mascot
1772.849	1772.8462	-0.0028	-2	634	647	YLADKYEWVTEAR					Mascot
1799.8962	1799.8937	-0.0025	-1	786	801	AYLPVNESFGFTADLR					Mascot
1799.8962	1799.8937	-0.0025	-1	786	801	AYLPVNESFGFTADLR	103	100			Mascot
2145.0571	2145.0566	-0.0005	0	606	625	ARPPFDGLAEDIDKGDVS SR					Mascot
2220.1545	2220.1489	-0.0056	-3	163	180	ALLELQLEPEELYQTFQR	26	26.647			Mascot
2220.1545	2220.1489	-0.0056	-3	163	180	ALLELQLEPEELYQTFQR					Mascot
2225.0681	2225.116	0.0479	22	72	90	STAISMYEYELTENDLAFIK			Oxidation (M)[6]		Mascot
2576.3057	2576.3013	-0.0044	-2	121	144	VTDGALVVDCVSGVCV QTETVLR			Carbamidomethyl (C)[11,16]		Mascot

2	Eukaryotic translation elongation factor 2, like [Danio	gi 28278942	95388.8	6.28	13	293	100	260	100
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rerio]

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification			Rank	Result Type
969.5475	969.5462	-0.0013	-1	717	726	GGGQIIPTAR							Mascot
1091.5844	1091.5801	-0.0043	-4	2	10	VNFTVDQIR							Mascot
1091.5844	1091.5801	-0.0043	-4	2	10	VNFTVDQIR	53	99.84					Mascot
1402.8053	1402.7197	-0.0856	-61	439	449	KEDLYLKPIQR							Mascot
1420.7253	1420.7236	-0.0017	-1	728	739	VLYACQLTAEPR				Carbamidomethyl (C)[5]			Mascot
1475.7896	1475.7522	-0.0374	-25	151	162	LKPVLMMNKMMDR							Mascot
1531.7533	1531.7518	-0.0015	-1	826	839	DAASKPCQIVADTR				Carbamidomethyl (C)[7]			Mascot
1576.8264	1576.8215	-0.0049	-3	727	739	RVLYACQLTAEPR				Carbamidomethyl (C)[6]			Mascot
1772.849	1772.8462	-0.0028	-2	634	647	YLADKYEWVTEAR	78	100					Mascot
1772.849	1772.8462	-0.0028	-2	634	647	YLADKYEWVTEAR							Mascot
1799.8962	1799.8937	-0.0025	-1	786	801	AYLPVNESFGFTADLR							Mascot
1799.8962	1799.8937	-0.0025	-1	786	801	AYLPVNESFGFTADLR	103	100					Mascot
2145.0571	2145.0566	-0.0005	0	606	625	ARPPFDGLAEDIDKGDVS SR							Mascot
2220.1545	2220.1489	-0.0056	-3	163	180	ALLELQLEPEELYQTFQR	26	26.647					Mascot
2220.1545	2220.1489	-0.0056	-3	163	180	ALLELQLEPEELYQTFQR							Mascot
2225.0681	2225.116	0.0479	22	72	90	STAISMYEELTENDLAFIK				Oxidation (M)[6]			Mascot
2576.3057	2576.3013	-0.0044	-2	121	144	VTDGALVVVDCVSGVCV QTETVLR				Carbamidomethyl (C)[11,16]			Mascot
novel protein (wu:fj53d02) [Danio rerio]				gi 122891311		95823.2	6.41	8	170	100	156	100	

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
850.4781	850.542	0.0639	75	635	641	ARYLAEK				Mascot
969.5475	969.5462	-0.0013	-1	720	729	GGGQIIPTAR				Mascot
1091.5844	1091.5801	-0.0043	-4	2	10	VNFTVDQIR				Mascot
1091.5844	1091.5801	-0.0043	-4	2	10	VNFTVDQIR	53	99.84		Mascot
1402.8053	1402.7197	-0.0856	-61	442	452	KEDLYLKPIQR				Mascot
1475.7896	1475.7522	-0.0374	-25	151	162	IKPVLMMNKMDR				Mascot
1799.8962	1799.8937	-0.0025	-1	789	804	AYLPVNESFGFTADLR				Mascot
1799.8962	1799.8937	-0.0025	-1	789	804	AYLPVNESFGFTADLR	103	100		Mascot
2174.1313	2174.0911	-0.0402	-18	651	670	KIWCFGPDGTGPNILVDIT K				Mascot
2576.3057	2576.3013	-0.0044	-2	121	144	VTDGALVVVDCVSGVCV			Carbamidomethyl (C)[11,16]	Mascot

4 hypothetical protein LOC554122 [Danio rerio] QTETVLR
gi|66773108 39525.6 5.8 10 138 100 87 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
863.4846	863.4851	0.0005	1	27	33	HLTLSHR					Mascot
878.473	878.4709	-0.0021	-2	139	145	SQVEIFR	26	28.974			Mascot
878.473	878.4709	-0.0021	-2	139	145	SQVEIFR					Mascot
1120.5819	1120.5466	-0.0353	-32	234	242	HLVSNIMK			Oxidation (M)[8]		Mascot
1198.679	1198.6777	-0.0013	-1	307	316	IENILSEKPR					Mascot
1198.679	1198.6777	-0.0013	-1	307	316	IENILSEKPR	61	99.975			Mascot
1262.6561	1262.651	-0.0051	-4	38	47	NYLPNCQLIK			Carbamidomethyl (C)[6]		Mascot
1464.8461	1464.8417	-0.0044	-3	85	96	ITLNLDFKPK					Mascot
1719.7854	1719.7845	-0.0009	-1	261	275	EVDVGS LCDNIEVDR			Carbamidomethyl (C)[8]		Mascot
1730.7955	1730.7938	-0.0017	-1	276	290	ESGDLWL GCHPNAFK			Carbamidomethyl (C)[9]		Mascot
1808.8523	1808.8495	-0.0028	-2	291	306	FFLCDPNDPAGSEVIK			Carbamidomethyl (C)[4]		Mascot
2284.1455	2284.1562	0.0107	5	317	338	VTQVYSDDG SVIIGSSVA APYR					Mascot

5 PREDICTED: elongation factor 2 [Danio rerio] gi|326667940 100398.6 6.99 7 115 100 103 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.542	0.0639	75	675	681	ARYLAEK					Mascot
969.5475	969.5462	-0.0013	-1	760	769	GGGQIIPTAR					Mascot
1402.8053	1402.7197	-0.0856	-61	482	492	KEDLYLKPIQR					Mascot
1475.7896	1475.7522	-0.0374	-25	191	202	IKPVLMMNKMDR					Mascot
1799.8962	1799.8937	-0.0025	-1	829	844	AYLPVNESFGFTADLR					Mascot
1799.8962	1799.8937	-0.0025	-1	829	844	AYLPVNESFGFTADLR	103	100			Mascot
2174.1313	2174.0911	-0.0402	-18	691	710	KIWCFGPDGTGPNILVDIT K					Mascot
2576.3057	2576.3013	-0.0044	-2	161	184	VTDGALVVDCVSGVCV QTETVLR			Carbamidomethyl (C)[11,16]		Mascot

6 hypothetical protein LOC568655 [Danio rerio] gi|157311723 39628.5 5.55 6 109 100 87 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
878.473	878.4709	-0.0021	-2	139	145	SQVEIFR	26	28.974			Mascot

	878.473	878.4709	-0.0021	-2	139	145	SQVEIFR										Mascot
	1120.5819	1120.5466	-0.0353	-32	234	242	HLVVSNLMK						Oxidation (M)[8]				Mascot
	1198.679	1198.6777	-0.0013	-1	307	316	IENILSEKPR										Mascot
	1198.679	1198.6777	-0.0013	-1	307	316	IENILSEKPR	61	99.975								Mascot
	1464.8461	1464.8417	-0.0044	-3	85	96	IYTLNLLDFKPK										Mascot
	1719.7854	1719.7845	-0.0009	-1	261	275	EVDVGSLCDNIEVD						Carbamidomethyl (C)[8]				Mascot
	2284.1455	2284.1562	0.0107	5	317	338	VTQVYSDDGSIIGSSVA APYR										Mascot
7	Si:ch211-113n10.4 protein [Danio rerio]				gi 37590856		37494.3	8.03	3	61	96.701	53	99.84				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1091.5844	1091.5801	-0.0043	-4	2	10	VNFTVDQIR							Mascot
1091.5844	1091.5801	-0.0043	-4	2	10	VNFTVDQIR	53		99.84				Mascot
1475.7896	1475.7522	-0.0374	-25	151	162	IKPVLMMNMKMDR							Mascot
2576.3057	2576.3013	-0.0044	-2	121	144	VTDGALVVVDCVSGVCV QTETVLR				Carbamidomethyl (C)[11,16]			Mascot

8 hypothetical protein LOC100034496 [Danio rerio] gi|131890023 54543 6.81 10 47 7.024 21 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
878.5345	878.4709	-0.0636	-72	143	149	LKTFLEK							Mascot
878.5345	878.4709	-0.0636	-72	143	149	LKTFLEK							Mascot
1091.4963	1091.5801	0.0838	77	127	136	SAEDASQDLR							Mascot
1091.4963	1091.5801	0.0838	77	127	136	SAEDASQDLR	21		0				Mascot
1120.5204	1120.5466	0.0262	23	150	157	LRDYECHK				Carbamidomethyl (C)[7]			Mascot
1353.6321	1353.6805	0.0484	36	158	168	QSWDETAEFIK							Mascot
1392.5897	1392.7341	0.1444	104	380	391	MGMWYVGFCNGK							Mascot
1772.7593	1772.8462	0.0869	49	380	394	MGMWYVGFCNGKYGK				Oxidation (M)[1,3]			Mascot
1772.7593	1772.8462	0.0869	49	380	394	MGMWYVGFCNGKYGK				Oxidation (M)[1,3]			Mascot
1993.9928	1993.9747	-0.0181	-9	446	460	VFPYFYVHCMKHPLR				Carbamidomethyl (C)[9]			Mascot
2183.0073	2183.0916	0.0843	39	78	96	EEVPQEPPQDSVGFCSL HK				Carbamidomethyl (C)[15]			Mascot
2232.991	2233.0793	0.0883	40	97	115	EPLDFFCTQDQVMICGK CR							Mascot
2351.2031	2351.3132	0.1101	47	50	70	ECPICRVVSPPNPINIM LR				Oxidation (M)[19]			Mascot

9 Im:6903726 protein [Danio rerio] gi|50418480 42199.8 7.59 6 45 0 33 85.195

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1240.6321	1240.6304	-0.0017	-1	238	248	ELGFTAGINYS	33	85.195			Mascot
1240.6321	1240.6304	-0.0017	-1	238	248	ELGFTAGINYS					Mascot
1357.6821	1357.6888	0.0067	5	82	92	TLYLSVDPYMR					Mascot
1360.6776	1360.6343	-0.0433	-32	109	122	LEECVDGGGVGVVK					Mascot
1373.677	1373.687	0.01	7	82	92	TLYLSVDPYMR			Oxidation (M)[10]		Mascot
1682.7479	1682.7455	-0.0024	-1	95	108	MNDDTGADYLLPWR			Oxidation (M)[1]		Mascot
1817.8025	1817.8652	0.0627	34	22	35	CCTDIYFFNFVNK			Carbamidomethyl (C)[1]		Mascot
1925.8633	1925.9547	0.0914	47	93	108	CRMNDDTGADYLLPWR					Mascot

10 PREDICTED: prostaglandin reductase 2 [Danio rerio] gi|189531025 37647.6 5.69 4 45 0 33 85.195

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1240.6321	1240.6304	-0.0017	-1	200	210	ELGFTAGINYS	33	85.195			Mascot
1240.6321	1240.6304	-0.0017	-1	200	210	ELGFTAGINYS					Mascot
1357.6821	1357.6888	0.0067	5	44	54	TLYLSVDPYMR					Mascot
1373.677	1373.687	0.01	7	44	54	TLYLSVDPYMR			Oxidation (M)[10]		Mascot
1682.7479	1682.7455	-0.0024	-1	57	70	MNDDTGADYLLPWR			Oxidation (M)[1]		Mascot
1925.9603	1925.9547	-0.0056	-3	263	279	DVPYPPPLSQDTQEALR					Mascot

11 PREDICTED: WD repeat- and FYVE domain-containing protein 4 [Danio rerio] gi|326673033 526148.3 6.32 32 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.5145	850.542	0.0275	32	2616	2622	RSFSLK					Mascot
863.3741	863.4851	0.111	129	1809	1816	ENSDSSPK					Mascot
878.4838	878.4709	-0.0129	-15	1016	1022	MDLMLKK					Mascot
878.4838	878.4709	-0.0129	-15	1016	1022	MDLMLKK					Mascot
1058.5994	1058.5255	-0.0739	-70	1762	1770	SNQGWLLK					Mascot
1091.5765	1091.5801	0.0036	3	2260	2268	QDLLQSIMK			Oxidation (M)[8]		Mascot
1091.6241	1091.5801	-0.044	-40	3994	4003	RLCSVVSSLK	10	0			Mascot
1160.631	1160.6057	-0.0253	-22	1574	1582	EYLPLLQER					Mascot
1179.6844	1179.5989	-0.0855	-72	1279	1288	DQHIATLLLR					Mascot

1232.678	1232.5938	-0.0842	-68	516	526	SAVVNRISVCK				Carbamidomethyl (C)[10]	Mascot
1262.6045	1262.651	0.0465	37	832	842	AKGVEELDMDR					Mascot
1282.5449	1282.6792	0.1343	105	866	875	MAPCQRSCTR				Carbamidomethyl (C)[4,8], Oxidation (M)[1]	Mascot
1353.7021	1353.6805	-0.0216	-16	4225	4235	GDPQEFIRVHR					Mascot
1531.7686	1531.7518	-0.0168	-11	1992	2005	VAICVSNPQPSNFR					Mascot
1576.8264	1576.8215	-0.0049	-3	280	293	ICSQSHPTVLHINK					Mascot
1682.7439	1682.7455	0.0016	1	318	333	DITSHSFASTAETCGR					Mascot
1764.8005	1764.918	0.1175	67	35	49	SCLYMMPELGDKAK				Oxidation (M)[5]	Mascot
1773.0309	1772.8462	-0.1847	-104	62	77	IAYAYIEKALSWAPIK					Mascot
1773.0309	1772.8462	-0.1847	-104	62	77	IAYAYIEKALSWAPIK					Mascot
1799.9836	1799.8937	-0.0899	-50	3735	3748	MAIQWLRIEEELLR					Mascot
1799.9836	1799.8937	-0.0899	-50	3735	3748	MAIQWLRIEEELLR	0	0			Mascot
1873.0099	1872.894	-0.1159	-62	431	447	KMPVNTDNIVTAETLVK					Mascot
1931.9817	1932.0051	0.0234	12	2947	2963	VLLSVLETNPAMEQEMK					Mascot
1961.8796	1962.0641	0.1845	94	777	792	ENFYVDDCLKSVESEK				Carbamidomethyl (C)[8]	Mascot
1993.9907	1993.9747	-0.016	-8	2521	2537	QIMCEFGLLSTLLTHCK				Carbamidomethyl (C)[4]	Mascot
2119.9861	2120.0444	0.0583	28	31	47	ELVRSCLYMMPELGDK				Carbamidomethyl (C)[6], Oxidation (M)[9]	Mascot
2120.0725	2120.0444	-0.0281	-13	2947	2964	VLLSVLETNPAMEQEMK R				Oxidation (M)[12,16]	Mascot
2183.157	2183.0916	-0.0654	-30	2205	2222	DLGMIPYVKIFLDVEQFR					Mascot
2220.2356	2220.1489	-0.0867	-39	3067	3085	LNMINLLILLHDPNVTCT					Mascot
2220.2356	2220.1489	-0.0867	-39	3067	3085	LNMINLLILLHDPNVTCT					Mascot
2224.9355	2225.116	0.1805	81	257	274	HLCFGCLSTSHMSRDCE K				Carbamidomethyl (C)[3,6,16]	Mascot
2233.0127	2233.0793	0.0666	30	3183	3201	SWSFECLSCICPGFEVLQ K				Carbamidomethyl (C)[6]	Mascot
2283.1948	2283.1748	-0.02	-9	2024	2043	IIQSSFMRSSNTVICSQIL R					Mascot
2283.1948	2283.1748	-0.02	-9	2024	2043	IIQSSFMRSSNTVICSQIL R					Mascot
2284.1389	2284.1562	0.0173	8	2349	2369	LGEALLHLGCFQKGDVP ESDR					Mascot
2300.1206	2300.1758	0.0552	24	910	927	NYGWDETVPQELLHRWT R					Mascot
2351.2249	2351.3132	0.0883	38	1390	1410	AVHLEIANSLNTDACINAI RR				Carbamidomethyl (C)[15]	Mascot

12

PREDICTED: hypothetical protein LOC569436 [Danio rerio]

gi|326678363

352771.2

7.92

30

40

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4743	842.5095	0.0352	42	2664	2669	HFRINR					Mascot
856.4311	856.5244	0.0933	109	1282	1287	ENYFRK					Mascot

858.4832	858.5464	0.0632	74	2713	2719	QLWNGLK		Mascot
878.4842	878.4709	-0.0133	-15	2980	2986	ENPLHLR		Mascot
878.4842	878.4709	-0.0133	-15	2980	2986	ENPLHLR		Mascot
969.5615	969.5462	-0.0153	-16	1853	1861	ELAPLLADK		Mascot
1058.5225	1058.5255	0.003	3	2246	2255	RNDPGESGVK		Mascot
1120.5845	1120.5466	-0.0379	-34	767	778	SGSPVSSSVSVK		Mascot
1179.6256	1179.5989	-0.0267	-23	2297	2306	LSELTDFNK		Mascot
1240.5375	1240.6304	0.0929	75	1	10	MHSAHQEEQK	Oxidation (M)[1]	Mascot
1240.5375	1240.6304	0.0929	75	1	10	MHSAHQEEQK	Oxidation (M)[1]	Mascot
1262.6409	1262.651	0.0101	8	1741	1751	LLSDNLKDNCK		Mascot
1373.6565	1373.687	0.0305	22	510	521	HHVCLCGKSFSR		Mascot
1402.6121	1402.7197	0.1076	77	14	24	TEFIEDYSENK		Mascot
1475.647	1475.7522	0.1052	71	1333	1345	RNNENNQADDASK		Mascot
1498.7166	1498.7201	0.0035	2	698	712	SGSLASSSVSMKSDR		Mascot
1576.8251	1576.8215	-0.0036	-2	1488	1501	NESMIDLLKTAVDK		Mascot
1682.8207	1682.7455	-0.0752	-45	2269	2283	FLSPADEVCFVTR		Mascot
1730.6455	1730.7938	0.1483	86	185	199	MHSDETAFSCEECGK	Carbamidomethyl (C)[10]	Mascot
1764.832	1764.918	0.086	49	2987	3002	ELDLSENKLGDGMEK		Mascot
1772.8207	1772.8462	0.0255	14	269	283	IHSGEKLFCEQCGK	Carbamidomethyl (C)[10]	Mascot
1772.8207	1772.8462	0.0255	14	269	283	IHSGEKLFCEQCGK	Carbamidomethyl (C)[10]	Mascot
1799.8744	1799.8937	0.0193	11	2043	2057	FLSSEADNVCQFVKR	Carbamidomethyl (C)[10]	Mascot
1799.8744	1799.8937	0.0193	11	2043	2057	FLSSEADNVCQFVKR	1 0 Carbamidomethyl (C)[10]	Mascot
1808.896	1808.8495	-0.0465	-26	53	68	HHVKPEEISLSCSQSK		Mascot
1872.8843	1872.894	0.0097	5	527	541	ANYRFVNIQDVCAMR	Carbamidomethyl (C)[12], Oxidation (M)[14]	Mascot
1931.8724	1932.0051	0.1327	69	2963	2979	CCSLTDEDYKDLASALK	Carbamidomethyl (C)[1]	Mascot
1993.9246	1993.9747	0.0501	25	1066	1082	LLNDVYTDLYMTQCASK	Oxidation (M)[11]	Mascot
2119.9377	2120.0444	0.1067	50	2901	2921	LSLCSCSLTDDCCSAVTS ALK		Mascot
2120.2339	2120.0444	-0.1895	-89	1241	1260	GNLLPSALIWITSRPAAAI R		Mascot
2219.9565	2220.1489	0.1924	87	238	256	HMCIHSGEKPYACDQCG KR	Carbamidomethyl (C)[3]	Mascot
2219.9565	2220.1489	0.1924	87	238	256	HMCIHSGEKPYACDQCG KR	Carbamidomethyl (C)[3]	Mascot
2224.9797	2225.116	0.1363	61	321	339	HHMSLHNEEKPYVCGQC GR		Mascot
2232.8818	2233.0793	0.1975	88	181	199	YHMKMHSDETAFSCEEC GK		Mascot
2283.2068	2283.1748	-0.032	-14	1358	1375	TLTQMYTHFLRFQILQSR		Mascot
2283.2068	2283.1748	-0.032	-14	1358	1375	TLTQMYTHFLRFQILQSR		Mascot
2297.9961	2298.1843	0.1882	82	321	339	HHMSLHNEEKPYVCGQC	Carbamidomethyl (C)[14], Oxidation (M)[3]	Mascot

13 Shmt1 protein [Danio rerio] GR gi|42542754 53244.1 7.61 10 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1091.5076	1091.5801	0.0725	66	362	372	SNGTDGGRAEK					Mascot
1091.5076	1091.5801	0.0725	66	362	372	SNGTDGGRAEK					Mascot
1160.5365	1160.6057	0.0692	60	1	10	MSQLNGHTEK			Oxidation (M)[1]		Mascot
1232.6885	1232.5938	-0.0947	-77	97	107	ALKVYGLDPEK					Mascot
1240.6354	1240.6304	-0.005	-4	194	204	LIIAGTSCYSR			Carbamidomethyl (C)[8]		Mascot
1240.6354	1240.6304	-0.005	-4	194	204	LIIAGTSCYSR			Carbamidomethyl (C)[8]		Mascot
1576.7821	1576.8215	0.0394	25	370	383	AEKVL EACAIACNK			Carbamidomethyl (C)[8,12]		Mascot
1764.8877	1764.918	0.0303	17	156	170	KISATSIFFESMPYK			Oxidation (M)[12]		Mascot
1931.9644	1932.0051	0.0407	21	194	210	LIIAGTSCYSRNLDYSR					Mascot
2182.9822	2183.0916	0.1094	50	79	96	YYGGTEHVDELERLCQD R					Mascot
2220.1292	2220.1489	0.0197	9	18	36	MMLEPLSTNDPEVFDIIK K					Mascot
2220.1292	2220.1489	0.0197	9	18	36	MMLEPLSTNDPEVFDIIK K					Mascot
2283.126	2283.1748	0.0488	21	135	155	IMGLDLPDGGHLTHGFM TDDK					Mascot
2283.126	2283.1748	0.0488	21	135	155	IMGLDLPDGGHLTHGFM TDDK					Mascot

14 novel zinc finger protein [Danio rerio] gi|126632547 52058.7 6.63 7 39 0 21 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
878.5345	878.4709	-0.0636	-72	142	148	LKTFLEK					Mascot
878.5345	878.4709	-0.0636	-72	142	148	LKTFLEK					Mascot
1091.4963	1091.5801	0.0838	77	126	135	SAEDASQDLR					Mascot
1091.4963	1091.5801	0.0838	77	126	135	SAEDASQDLR	21	0			Mascot
1353.6321	1353.6805	0.0484	36	157	167	QSWDETAEFIK					Mascot
1392.5897	1392.7341	0.1444	104	364	375	MGMWYVGFCNGK					Mascot
1772.7593	1772.8462	0.0869	49	364	378	MGMWYVGFCNGKYGK			Oxidation (M)[1,3]		Mascot
1772.7593	1772.8462	0.0869	49	364	378	MGMWYVGFCNGKYGK			Oxidation (M)[1,3]		Mascot
1993.9564	1993.9747	0.0183	9	430	444	VFPYFYVHCMQHLPLR			Carbamidomethyl (C)[9]		Mascot
2455.1711	2455.3079	0.1368	56	49	69	ECPICRAVSPSPNPPIINM MLR			Carbamidomethyl (C)[2,5], Oxidation (M)[18]		Mascot

15 tyrosine kinase, non-receptor, 2b [Danio rerio] gi|121583968 83453.4 9.21 13 38 0

Peptide Information									
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
856.4635	856.5244	0.0609	71	379	385 DIAEPRR				Mascot
1091.5514	1091.5801	0.0287	26	694	702 EECQKVLSR				Mascot
1091.5514	1091.5801	0.0287	26	694	702 EECQKVLSR				Mascot
1165.5782	1165.7427	0.1645	141	72	81 SWMVKATNGR			Oxidation (M)[3]	Mascot
1240.7372	1240.6304	-0.1068	-86	239	249 NVLLAAREQVK				Mascot
1240.7372	1240.6304	-0.1068	-86	239	249 NVLLAAREQVK				Mascot
1282.759	1282.6792	-0.0798	-62	234	245 DLAARNVLLAAR				Mascot
1357.6931	1357.6888	-0.0043	-3	510	522 GVGVNAAQRSDQR				Mascot
1392.7303	1392.7341	0.0038	3	246	257 EQVKIGDFGLMR				Mascot
1464.7263	1464.8417	0.1154	79	250	262 IGDFGLMRGLDDR				Mascot
1799.8788	1799.8937	0.0149	8	555	568 SIKPQMMMMFLDRR			Oxidation (M)[6]	Mascot
1799.8788	1799.8937	0.0149	8	555	568 SIKPQMMMMFLDRR			Oxidation (M)[6]	Mascot
1808.9653	1808.8495	-0.1158	-64	110	126 ELLFGDRLGSGSFGVVR				Mascot
2220.1619	2220.1489	-0.013	-6	644	664 EAVIAQVQAAVHGVTNEE VQK				Mascot
2220.1619	2220.1489	-0.013	-6	644	664 EAVIAQVQAAVHGVTNEE VQK				Mascot
2233.0376	2233.0793	0.0417	19	676	693 AEQQLKTDQLYMNQCT R				Mascot
2282.9475	2283.1748	0.2273	100	682	698 TDQLYMNQCTREECQK			Carbamidomethyl (C)[10,15], Oxidation (M)[7]	Mascot
2282.9475	2283.1748	0.2273	100	682	698 TDQLYMNQCTREECQK			Carbamidomethyl (C)[10,15], Oxidation (M)[7]	Mascot
16	hypothetical protein LOC494057 [Danio rerio]			gi 56693271		48454.6	9.51	9	38 0

Peptide Information									
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
850.4529	850.542	0.0891	105	73	78 EVRQYR				Mascot
1198.5786	1198.6777	0.0991	83	403	411 QYNPYARMR				Mascot
1198.5786	1198.6777	0.0991	83	403	411 QYNPYARMR				Mascot
1232.6997	1232.5938	-0.1059	-86	12	22 FVVVLGDSIQR				Mascot
1282.5845	1282.6792	0.0947	74	62	72 LGEMNNGTQYR				Mascot
1357.6648	1357.6888	0.024	18	125	134 YSRQWAVEYR				Mascot
1360.7332	1360.6343	-0.0989	-73	266	277 QSGLSTPPVRYR				Mascot
1402.8668	1402.7197	-0.1471	-105	23	34 AVYKDLVLILQK				Mascot
1682.7915	1682.7455	-0.046	-27	62	75 LGEMNNGTQYREVR			Oxidation (M)[4]	Mascot
2300.2141	2300.1758	-0.0383	-17	146	165 SVLPEESLVIWNMTPLG				Mascot

17 Cnot6 protein [Danio rerio] RK
gi|30047751 63969.6 6.2 11 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
969.4305	969.5462	0.1157	119	279	286	TMSESDRK			Oxidation (M)[2]		Mascot
1160.6534	1160.6057	-0.0477	-41	171	180	RAPIEQPPPR					Mascot
1232.6521	1232.5938	-0.0583	-47	38	48	STWAELEIVGK					Mascot
1240.6321	1240.6304	-0.0017	-1	181	190	SWIPLQEPDR					Mascot
1240.6321	1240.6304	-0.0017	-1	181	190	SWIPLQEPDR					Mascot
1360.7471	1360.6343	-0.1128	-83	37	48	KSTWAELEIVGK					Mascot
1392.6827	1392.7341	0.0514	37	1	12	WEINTSITGMPK			Oxidation (M)[10]		Mascot
1531.7175	1531.7518	0.0343	22	264	276	EQGYEGFFSPKSR					Mascot
1719.7676	1719.7845	0.0169	10	22	36	RMYTMSSEEAANGK			Oxidation (M)[2,6]		Mascot
1931.9387	1932.0051	0.0664	34	344	360	KEMMELSAGKPLHGMEK			Oxidation (M)[3]		Mascot
2145.0288	2145.0566	0.0278	13	191	208	TRPAALFSVMCYNVLCDK			Carbamidomethyl (C)[11,16]		Mascot
2284.168	2284.1562	-0.0118	-5	138	157	GNPLAEILNLYQEPDGT RR					Mascot

18 PREDICTED: rab15 effector protein [Danio rerio] gi|292628166 28285.2 5.83 7 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1091.5408	1091.5801	0.0393	36	45	52	TQEYLYFK					Mascot
1091.5408	1091.5801	0.0393	36	45	52	TQEYLYFK					Mascot
1232.6191	1232.5938	-0.0253	-21	236	246	EGNDPLTMLVK			Oxidation (M)[8]		Mascot
1357.5875	1357.6888	0.1013	75	1	11	MYQMNTQNEAK					Mascot
1373.5824	1373.687	0.1046	76	1	11	MYQMNTQNEAK			Oxidation (M)[1]		Mascot
1464.7402	1464.8417	0.1015	69	236	248	EGNDPLTMLVKFT					Mascot
1772.8054	1772.8462	0.0408	23	157	171	TQAERMVDFCSSIGR			Carbamidomethyl (C)[10], Oxidation (M)[6]		Mascot
1772.8054	1772.8462	0.0408	23	157	171	TQAERMVDFCSSIGR			Carbamidomethyl (C)[10], Oxidation (M)[6]		Mascot
1961.9208	1962.0641	0.1433	73	1	16	MYQMNTQNEAKTSIFR					Mascot
1993.9106	1993.9747	0.0641	32	1	16	MYQMNTQNEAKTSIFR			Oxidation (M)[1,4]		Mascot
2298.1282	2298.1843	0.0561	24	77	96	STVLNLTDFNNTTMTPE QR			Oxidation (M)[15]		Mascot

19 PREDICTED: huntingtin-interacting protein 1-related protein-like [Danio rerio] gi|326671469 126222.3 5.94 13 37 0

Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	842.5206	842.5095	-0.0111	-13	973	979 VRLGELR						Mascot
	858.5043	858.5464	0.0421	49	485	491 AEIERLK						Mascot
	870.4614	870.5396	0.0782	90	434	440 HADLMRK						Mascot
	1091.515	1091.5801	0.0651	60	655	664 NMDDASGLLR		14	0			Mascot
	1091.5731	1091.5801	0.007	6	842	851 WTEGLISASK						Mascot
	1232.6317	1232.5938	-0.0379	-31	645	654 MQRSHAAYIR						Mascot
	1240.7372	1240.6304	-0.1068	-86	350	360 VEAQRAVVQLK						Mascot
	1240.7372	1240.6304	-0.1068	-86	350	360 VEAQRAVVQLK						Mascot
	1262.6335	1262.651	0.0175	14	821	833 DIVESGRGSGSAK						Mascot
	1498.7496	1498.7201	-0.0295	-20	366	377 LESELEEQRTHK						Mascot
	1932.0708	1932.0051	-0.0657	-34	729	744 CVLQRILHQGQDLRPR						Mascot
	2120.0439	2120.0444	0.0005	0	852	871 AVGWGATQMLDSADKV VTDR						Mascot
	2120.0439	2120.0444	0.0005	0	852	871 AVGWGATQMLDSADKV VTDR						Mascot
	2211.2344	2211.1028	-0.1316	-60	514	534 AGDQLSSVLVGLQAEKD VLLR						Mascot
	2283.155	2283.1748	0.0198	9	616	634 VDDPLHVRCISTPDYLIN R				Carbamidomethyl (C)[9]		Mascot
	2283.155	2283.1748	0.0198	9	616	634 VDDPLHVRCISTPDYLIN R				Carbamidomethyl (C)[9]		Mascot
20	serine/threonine-protein kinase VRK1 [Danio rerio]				gij47087073		47740.8	9.55	9	37	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	856.525	856.5244	-0.0006	-1	323	330 GILQQGLK						Mascot
	1531.7638	1531.7518	-0.012	-8	73	86 VEPSDNGPLFSELK						Mascot
	1719.8435	1719.7845	-0.059	-34	20	35 LAEEFPSGEVLTDNAK						Mascot
	1730.7803	1730.7938	0.0135	8	221	235 CHDGTIEFTSIDAHK				Carbamidomethyl (C)[1]		Mascot
	1962.0542	1962.0641	0.0099	5	340	358 LDFGVATNSTSLPSVKTP K						Mascot
	2145.032	2145.0566	0.0246	11	73	90 VEPSDNGPLFSELKFYM R				Oxidation (M)[17]		Mascot
	2174.0078	2174.0911	0.0833	38	289	308 SCFASGNIPAEMGKFMQ EVK						Mascot
	2220.0068	2220.1489	0.1421	64	242	259 RADLEIMGYCMIQWLCS R				Oxidation (M)[7,11]		Mascot
	2220.0642	2220.1489	0.0847	38	303	320 FMQEVKVLGYTDRPDYD K				Oxidation (M)[2]		Mascot
21	chloride intracellular channel protein 2 [Danio rerio]				gij50540188		27541.2	8.49	7	37	0	

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1160.6211	1160.6057	-0.0154	-13	98	106 YPHLSPRYK					Mascot
1240.6207	1240.6304	0.0097	8	107	118 ESFDVGAGIFAK					Mascot
1240.6207	1240.6304	0.0097	8	107	118 ESFDVGAGIFAK					Mascot
1353.7195	1353.6805	-0.039	-29	43	54 GVKFTVTTVDMR					Mascot
1531.7791	1531.7518	-0.0273	-18	105	118 YKESFDVGAGIFAK					Mascot
1817.7441	1817.8652	0.1211	67	19	34 AGHDGENVGNCPCQQR			Carbamidomethyl (C)[11,14]		Mascot
2120.1274	2120.0444	-0.083	-39	80	97 TDFIKIEEFLETTLAPPR					Mascot
2120.1274	2120.0444	-0.083	-39	80	97 TDFIKIEEFLETTLAPPR					Mascot
2576.2839	2576.3013	0.0174	7	143	164 LDDYLNTPLQDELQDNIS VSKR					Mascot
22	Replication factor C (activator 1) 3 [Danio rerio]			gi 156230598	40370	8.72	10	37	0	

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
856.5363	856.5244	-0.0119	-14	271	277 LLEVRAR					Mascot
878.444	878.4709	0.0269	31	1	7 MSLWVDK					Mascot
878.444	878.4709	0.0269	31	1	7 MSLWVDK					Mascot
1179.6984	1179.5989	-0.0995	-84	203	213 EGLLLPPELAK					Mascot
1240.6532	1240.6304	-0.0228	-18	69	79 IEHQSITTPSK					Mascot
1240.6532	1240.6304	-0.0228	-18	69	79 IEHQSITTPSK					Mascot
1531.7823	1531.7518	-0.0305	-20	114	127 TVAQSQQIQSSAQR					Mascot
1730.9656	1730.7938	-0.1718	-99	161	176 LILCCNSTSKVAPIR					Mascot
1872.9557	1872.894	-0.0617	-33	184	201 VPLPSVEEVCSVLGVC R					Mascot
1993.8962	1993.9747	0.0785	39	155	170 YMATCRLILCCNSTSK			Carbamidomethyl (C)[5,10,11], Oxidation (M)[2]		Mascot
2183.1716	2183.0916	-0.08	-37	276	293 ARLYELLTHCIPPEVIMK			Carbamidomethyl (C)[10]		Mascot
2300.1855	2300.1758	-0.0097	-4	28	49 NLVQCGDFPHLLVYGPS GAGKK					Mascot
23	replication factor C subunit 3 [Danio rerio]			gi 41393079	40301.9	8.81	10	36	0	

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.5363	856.5244	-0.0119	-14	271	277 LLEVRAR					Mascot
878.444	878.4709	0.0269	31	1	7 MSLWVDK					Mascot

	878.444	878.4709	0.0269	31	1	7	MSLWVDK										Mascot
	1179.6984	1179.5989	-0.0995	-84	203	213	EGLLLPELAK										Mascot
	1240.6532	1240.6304	-0.0228	-18	69	79	IEHQSITTPSK										Mascot
	1240.6532	1240.6304	-0.0228	-18	69	79	IEHQSITTPSK										Mascot
	1531.7823	1531.7518	-0.0305	-20	114	127	TVAQSQQIQSSAQR										Mascot
	1730.9656	1730.7938	-0.1718	-99	161	176	LILCCNSTSKVAPIR										Mascot
	1872.9557	1872.894	-0.0617	-33	184	201	VPLPSVEEVCSVLGVC R										Mascot
	1962.0074	1962.0641	0.0567	29	278	293	LYELLTHCISPEVIMK									Carbamidomethyl (C)[8], Oxidation (M)[15]	Mascot
	1993.8962	1993.9747	0.0785	39	155	170	YMATCRLLCCNSTSK									Carbamidomethyl (C)[5,10,11], Oxidation (M)[2]	Mascot
	2300.1855	2300.1758	-0.0097	-4	28	49	NLVQCGDFPHLLVYGPS GAGKK										Mascot
24	novel protein similar to vertebrate interleukin-1 receptor-associated kinase 1 (IRAK1) [Danio rerio]						gi 159570376	61228.6	6.53	7	36	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
878.4465	878.4709	0.0244	28	498	505	TDISSVEK						Mascot
878.4465	878.4709	0.0244	28	498	505	TDISSVEK						Mascot
1091.5448	1091.5801	0.0353	32	351	359	LACQCLERR						Mascot
1091.5448	1091.5801	0.0353	32	351	359	LACQCLERR	16		0			Mascot
1165.6146	1165.7427	0.1281	110	363	371	RPRMTDVFKE				Oxidation (M)[4]		Mascot
1464.6787	1464.8417	0.163	111	315	327	DLSYGQTAEHICK						Mascot
1764.8849	1764.918	0.0331	19	77	92	QIGEGGFHGVYKAVMR				Oxidation (M)[15]		Mascot
2183.0496	2183.0916	0.042	19	485	505	SVSCGAQGIESTKTDISS VEK				Carbamidomethyl (C)[4]		Mascot
2284.1377	2284.1562	0.0185	8	533	553	MELYEEGRILTSDLLSSG ASL						Mascot
2300.1326	2300.1758	0.0432	19	533	553	MELYEEGRILTSDLLSSG ASL				Oxidation (M)[1]		Mascot

25 caveolin-1 isoform a [Danio rerio] gi|47086737 20639.4 5.84 6 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
858.4679	858.5464	0.0785	91	51	57	EIDLVNR						Mascot
1198.6426	1198.6777	0.0351	29	51	60	EIDLVNRPDK						Mascot
1198.6426	1198.6777	0.0351	29	51	60	EIDLVNRPDK						Mascot
1282.6572	1282.6792	0.022	17	169	179	CFSNVRVTATK				Carbamidomethyl (C)[1]		Mascot
2233.0127	2233.0793	0.0666	30	150	168	VYSICVHTFCDPLFEAMG K				Carbamidomethyl (C)[5], Oxidation (M)[17]		Mascot

	2284.0518	2284.1562	0.1044	46	2	21	TSGYKDGTPEEEEAHSP FIR										Mascot
	2351.0933	2351.3132	0.2199	94	23	42	QGNIYKPNNKEMDND SIN EK										Mascot
26	p90 autoantigen [Danio rerio]					gi 167555176	99404.6	6.04	13	36	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4278	850.542	0.1142	134	16	21	QYRNNR					Mascot
969.4379	969.5462	0.1083	112	1	8	MDVSTCLK			Carbamidomethyl (C)[6], Oxidation (M)[1]		Mascot
1045.5887	1045.5614	-0.0273	-26	855	863	SQLEAKLEK					Mascot
1232.5801	1232.5938	0.0137	11	667	677	CQRAQAEAEAR					Mascot
1420.7288	1420.7236	-0.0052	-4	514	526	MVTPLSLAMTSNR					Mascot
1531.8326	1531.7518	-0.0808	-53	847	860	ASSLELQKSQLEAK					Mascot
1576.8298	1576.8215	-0.0083	-5	514	527	MVTPLSLAMTSNRR					Mascot
1719.9496	1719.7845	-0.1651	-96	1	15	MDVSTCLKSLLAIR			Carbamidomethyl (C)[6]		Mascot
1730.9542	1730.7938	-0.1604	-93	301	315	VMELLVSLCSVPVLR			Carbamidomethyl (C)[9], Oxidation (M)[2]		Mascot
1839.9712	1839.8444	-0.1268	-69	174	189	HDVTVQAHIKSQSYVK					Mascot
1932.0371	1932.0051	-0.032	-17	421	438	AGRVVDFLLVLCGDDAL R					Mascot
2174.1421	2174.0911	-0.051	-23	508	526	ILQDQRMVTPSLAMTSN R					Mascot
2455.2319	2455.3079	0.076	31	864	885	IEEELGKHTQMAMIHSLS SGK			Oxidation (M)[11]		Mascot

27	nucleolar MIF4G domain-containing protein 1 [Danio rerio]					gi 148540048	55892.4	8.35	10	36	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.5724	996.5945	0.0221	22	114	122	KLVTSFSSK					Mascot
996.5724	996.5945	0.0221	22	114	122	KLVTSFSSK					Mascot
1243.6205	1243.5995	-0.021	-17	188	198	IPGYDPEPVEK					Mascot
1262.5829	1262.651	0.0681	54	172	181	FMLETMMALK			Oxidation (M)[2,6,7]		Mascot
1498.7384	1498.7201	-0.0183	-12	254	267	TTTPSTKGEQYSAK					Mascot
1531.7681	1531.7518	-0.0163	-11	170	181	IRFMLETMMALK			Oxidation (M)[4,8,9]		Mascot
1730.8854	1730.7938	-0.0916	-53	202	217	LQRTLIHSSAGSSDMK					Mascot
1873.0065	1872.894	-0.1125	-60	414	429	LLKETEPEDLVNIFGR					Mascot
2119.9998	2120.0444	0.0446	21	1	18	MASISSQLEELYMNTSRK			Oxidation (M)[1,13]		Mascot
2119.9998	2120.0444	0.0446	21	1	18	MASISSQLEELYMNTSRK			Oxidation (M)[1,13]		Mascot

	2297.9954	2298.1843	0.1889	82	234	253	WWIMGSSWSGAPMIDD QGNK				Oxidation (M)[4,13]	Mascot
	2576.2405	2576.3013	0.0608	24	19	41	DMNDTLTDILLAACVTPA LMPER				Carbamidomethyl (C)[14], Oxidation (M)[2]	Mascot
28	PREDICTED: zinc finger protein 260-like [Danio rerio] gi 292613300 34642.4 6.42 8 35 0											

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.4709	856.5244	0.0535	62	118	124	SLKPHMK			Oxidation (M)[6]		Mascot
870.4614	870.5396	0.0782	90	230	236	NLTVHMR					Mascot
969.5475	969.5462	-0.0013	-1	89	96	RSLEVHTK					Mascot
1360.6426	1360.6343	-0.0083	-6	125	135	VHNGEKPYTCR			Carbamidomethyl (C)[10]		Mascot
1464.7554	1464.8417	0.0863	59	265	277	NHSDEKPLAGLQR					Mascot
1719.7941	1719.7845	-0.0096	-6	153	167	IHTGEKPFSCQQCGK			Carbamidomethyl (C)[10]		Mascot
2282.9563	2283.1748	0.2185	96	181	200	VHTGNMPYTCAQCGQCF THK			Carbamidomethyl (C)[10]		Mascot
2282.9563	2283.1748	0.2185	96	181	200	VHTGNMPYTCAQCGQCF THK			Carbamidomethyl (C)[10]		Mascot
2351.127	2351.3132	0.1862	79	209	228	IHTGEKPFCTPCQCGKSFT QK			Carbamidomethyl (C)[10,13]		Mascot

29 PREDICTED: astrotactin-2-like, partial [Danio rerio] gi|326668303 36231.9 5.45 8 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1091.4939	1091.5801	0.0862	79	103	111	GDVIENWCR					Mascot
1091.4939	1091.5801	0.0862	79	103	111	GDVIENWCR					Mascot
1357.6859	1357.6888	0.0029	2	230	241	FSLYAVDSRGRS					Mascot
1719.7181	1719.7845	0.0664	39	40	54	CQEKGSPPAACHLCR			Carbamidomethyl (C)[1,7]		Mascot
1799.8898	1799.8937	0.0039	2	206	220	NAEHPHNMIYSLVFK					Mascot
1799.8898	1799.8937	0.0039	2	206	220	NAEHPHNMIYSLVFK					Mascot
1839.804	1839.8444	0.0404	22	87	102	EAFKSATMSSYWCAGK			Carbamidomethyl (C)[13], Oxidation (M)[8]		Mascot
1872.9307	1872.894	-0.0367	-20	112	129	CDLTALGKDGLPNCSP LR					Mascot
2174.1121	2174.0911	-0.021	-10	25	43	TQLLSDDLVAIVEIR CQEK			Carbamidomethyl (C)[16]		Mascot
2283.1326	2283.1748	0.0422	18	280	298	EQQTAYNTLMEISPLLY R			Oxidation (M)[10]		Mascot
2283.1326	2283.1748	0.0422	18	280	298	EQQTAYNTLMEISPLLY R			Oxidation (M)[10]		Mascot

30 SH3 domain-binding protein 4-A [Danio rerio] gi|45387913 104947.5 7.73 13 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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				Seq.	Seq.	Score				
	842.5822	842.5095	-0.0727	-86	634	640 LIKTVIR				Mascot
	850.4338	850.542	0.1082	127	358	364 LSNMEIK		Oxidation (M)[4]		Mascot
	870.4726	870.5396	0.067	77	1	7 MAHRIR		Oxidation (M)[1]		Mascot
	1045.4796	1045.5614	0.0818	78	762	770 AELDSEPER				Mascot
	1198.6466	1198.6777	0.0311	26	644	652 NQYLLEYKK				Mascot
	1198.6466	1198.6777	0.0311	26	644	652 NQYLLEYKK				Mascot
	1232.6674	1232.5938	-0.0736	-60	723	732 FLTYYASVR				Mascot
	1282.7155	1282.6792	-0.0363	-28	488	499 SAPPVSLQLWGK				Mascot
	1357.6932	1357.6888	-0.0044	-3	463	475 TVVAIFGHDCAPK				Mascot
	1799.901	1799.8937	-0.0073	-4	432	446 HVSFSSNVWNHMKK				Mascot
	1799.9281	1799.8937	-0.0344	-19	358	372 LSNMEIKSFITLEMK		Oxidation (M)[4]		Mascot
	2284.2368	2284.1562	-0.0806	-35	463	484 TVVAIFGHDCAPKTLVSEVGK				Mascot
	2300.0686	2300.1758	0.1072	47	568	587 DDQDCILAQFCVQTPQP PPK		Carbamidomethyl (C)[5]		Mascot
	2576.333	2576.3013	-0.0317	-12	723	743 FLTYYASVRTILMENLGNWR		Oxidation (M)[14]		Mascot
31	adenomatosis polyposis coli [Danio rerio]				gi 219802769	300905.4	7.29	23	35	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
842.4617	842.5095	0.0478	57	2393	2400 EAPSPTLK					Mascot
856.4886	856.5244	0.0358	42	298	305 LTSHLGTK					Mascot
858.4832	858.5464	0.0632	74	1411	1418 TPTPTPTPTPT					Mascot
863.4178	863.4851	0.0673	78	1031	1037 LLDDEMK					Mascot
969.5475	969.5462	-0.0013	-1	2167	2175 QAQAPVISR					Mascot
1045.5459	1045.5614	0.0155	15	1216	1224 AVQKNPTCK			Carbamidomethyl (C)[8]		Mascot
1051.6259	1051.7117	0.0858	82	2290	2298 LSQLPQLPR					Mascot
1091.5699	1091.5801	0.0102	9	711	721 MIAMGSAAALR					Mascot
1091.5699	1091.5801	0.0102	9	711	721 MIAMGSAAALR	6	0			Mascot
1120.6837	1120.5466	-0.1371	-122	400	408 VLHLEQIR					Mascot
1160.6058	1160.6057	-0.0001	0	848	858 GFLPDGEAAKR					Mascot
1232.6593	1232.5938	-0.0655	-53	360	371 DSVLLGNSRGSK					Mascot
1353.6355	1353.6805	0.045	33	74	86 EMSLDPSGFSGVK					Mascot
1360.7583	1360.6343	-0.124	-91	1411	1423 TPTPTPTPTSTSVK					Mascot
1392.7271	1392.7341	0.007	5	2702	2713 VSPFNYTPSPRK					Mascot
1402.6193	1402.7197	0.1004	72	2446	2459 APQSQNSAENGDK					Mascot

	1531.7897	1531.7518	-0.0379	-25	12	24	QVEALKMENSNLR										Mascot
	1730.8303	1730.7938	-0.0365	-21	2446	2462	APQSQNSAENGDKSLK										Mascot
	1764.918	1764.918	0	0	1068	1081	YQPRFVQQDLPAFR										Mascot
	1799.8962	1799.8937	-0.0025	-1	145	158	EKDWWYAQLQNLTK										Mascot
	1799.8962	1799.8937	-0.0025	-1	145	158	EKDWWYAQLQNLTK										Mascot
	1808.9132	1808.8495	-0.0637	-35	565	580	ALMECALEVQKESTLK						Oxidation (M)[3]				Mascot
	1872.9272	1872.894	-0.0332	-18	581	597	SVLSALWNLSAHCTENK										Mascot
	1961.795	1962.0641	0.2691	137	1248	1265	GSSLSSLSSEEDEMESC K						Carbamidomethyl (C)[17]				Mascot
	2225.0586	2225.116	0.0574	26	430	449	NPMPSPVEHQICPAVCVL MK						Oxidation (M)[3,19]				Mascot
32	mitochondrial import inner membrane translocase subunit TIM44 [Danio rerio]					gi 61806584	50838	7.98	10	35	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
863.4468	863.4851	0.0383	44	159	166	QSAETVTK					Mascot
1058.5	1058.5255	0.0255	24	406	415	GEVVEGDPEK					Mascot
1198.6361	1198.6777	0.0416	35	37	49	ICGAPAAAAQVR					Mascot
1198.6361	1198.6777	0.0416	35	37	49	ICGAPAAAAQVR					Mascot
1392.7291	1392.7341	0.005	4	294	305	TEMSEVLTEILK					Mascot
1402.7172	1402.7197	0.0025	2	132	144	EGLEEVGRTDIGK					Mascot
1772.8749	1772.8462	-0.0287	-16	190	205	EIGDLGQMGPYRPPSR					Mascot
1772.8749	1772.8462	-0.0287	-16	190	205	EIGDLGQMGPYRPPSR					Mascot
1808.97	1808.8495	-0.1205	-67	32	49	AHVFRICGAPAAAAQVR					Mascot
1817.8278	1817.8652	0.0374	21	1	15	MAASLCQCYQLCVRR			Carbamidomethyl (C)[6], Oxidation (M)[1]		Mascot
1931.8706	1932.0051	0.1345	70	1	15	MAASLCQCYQLCVRR			Carbamidomethyl (C)[6,8,12], Oxidation (M)[1]		Mascot
1993.9694	1993.9747	0.0053	3	37	57	ICGAPAAAAQVRFMSS GGGR			Oxidation (M)[15]		Mascot
2211.1101	2211.1028	-0.0073	-3	294	312	TEMSEVLTEILKVDPTFD K			Oxidation (M)[3]		Mascot

33	PREDICTED: diacylglycerol kinase beta-like, partial [Danio rerio]					gi 326674321	85995.9	6.78	9	35	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4229	842.5095	0.0866	103	153	158	LEFMFR					Mascot
858.4178	858.5464	0.1286	150	153	158	LEFMFR			Oxidation (M)[4]		Mascot

	1045.4264	1045.5614	0.135	129	270	278	QGLCCSFCK					Carbamidomethyl (C)[4]	Mascot
	1091.5878	1091.5801	-0.0077	-7	724	733	LAQCSSITIR						Mascot
	1091.5878	1091.5801	-0.0077	-7	724	733	LAQCSSITIR	14		0			Mascot
	1160.5914	1160.6057	0.0143	12	285	295	CVSRAPPSCIK						Mascot
	1464.7839	1464.8417	0.0578	39	724	736	LAQCSSITIRTSK					Carbamidomethyl (C)[4]	Mascot
	1873	1872.894	-0.106	-57	364	379	DHILPPNTICPVVLER					Carbamidomethyl (C)[10]	Mascot
	2144.9998	2145.0566	0.0568	26	602	619	LWYFEFGTSETFSATCKK						Mascot
	2283.2488	2283.1748	-0.074	-32	115	135	GSCPPLKVTSQSRPLSTV QLK					Carbamidomethyl (C)[3]	Mascot
	2283.2488	2283.1748	-0.074	-32	115	135	GSCPPLKVTSQSRPLSTV QLK					Carbamidomethyl (C)[3]	Mascot
	2284.0591	2284.1562	0.0971	43	153	171	LEFMFRLYDTDGNGFLD SK					Oxidation (M)[4]	Mascot
34	PREDICTED: 6-phosphofructokinase, liver type-like [Danio rerio]					gi 189523785	84565.1	7.22	5	35	0	26	29.787

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
856.4167	856.5244	0.1077	126	89	95	CKAFTMR						Mascot
1051.5604	1051.7117	0.1513	144	202	210	TFVLEVMGR						Mascot
1091.5878	1091.5801	-0.0077	-7	1	10	MSSAGLEKLR						Mascot
1091.5878	1091.5801	-0.0077	-7	1	10	MSSAGLEKLR	26		29.787			Mascot
1120.5415	1120.5466	0.0051	5	357	365	EVQRAMNEK				Oxidation (M)[6]		Mascot
2298.2563	2298.1843	-0.072	-31	67	88	LANWQSVTNIIQLGGTVI GSAR						Mascot

35 PREDICTED: hypothetical protein LOC325902 [Danio rerio] gi|292621312 43251.8 5.91 8 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.5145	850.542	0.0275	32	77	83	IKLASYSR						Mascot
1091.5956	1091.5801	-0.0155	-14	79	88	LASYRSPAAR						Mascot
1091.5956	1091.5801	-0.0155	-14	79	88	LASYRSPAAR						Mascot
1719.7854	1719.7845	-0.0009	-1	200	215	TEPPSLCTPNSTESTR						Mascot
1772.9388	1772.8462	-0.0926	-52	354	370	NKNASSPPSLEISLTK						Mascot
1772.9388	1772.8462	-0.0926	-52	354	370	NKNASSPPSLEISLTK						Mascot
1808.7928	1808.8495	0.0567	31	148	163	CDLESMPSTLEPEVDK				Oxidation (M)[6]		Mascot
2233.04	2233.0793	0.0393	18	335	353	RSPSEPTIENEISQTMEE R						Mascot
2351.1787	2351.3132	0.1345	57	89	107	LSAVESFRYFHMLDHML						Mascot

	2455.0984	2455.3079	0.2095	85	247	267	VR LGEQLAEQRAFHCSMLG MMDR					Oxidation (M)[15,18]	Mascot
36	kazrin [Danio rerio]					gi 121583740		48879.4	6.17	9	34	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4451	850.542	0.0969	114	390	397	MSLGSLSR					Mascot
856.4094	856.5244	0.115	134	333	339	ISPCHSR			Carbamidomethyl (C)[4]		Mascot
996.4852	996.5945	0.1093	110	120	127	QMKDMLSK			Oxidation (M)[2]		Mascot
996.4852	996.5945	0.1093	110	120	127	QMKDMLSK			Oxidation (M)[2]		Mascot
1120.5415	1120.5466	0.0051	5	250	258	SQIDMKENR					Mascot
1160.6157	1160.6057	-0.01	-9	212	222	ESEDAVKALAK					Mascot
1232.6052	1232.5938	-0.0114	-9	2	11	MEDNKQLAQR					Mascot
2174.2292	2174.0911	-0.1381	-64	102	119	VLLREEVAQLQEEVHLLR					Mascot
2283.0781	2283.1748	0.0967	42	333	354	ISPCHSRQPSIISDASAAD GDR					Mascot
2283.0781	2283.1748	0.0967	42	333	354	ISPCHSRQPSIISDASAAD GDR					Mascot
2298.2161	2298.1843	-0.0318	-14	7	27	QLAQRIDGAIQSASQEV T NLR					Mascot

37	novel protein similar to vertebrate Wolf-Hirschhorn syndrome candidate 1 (WHSC1) [Danio rerio]
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1058.5992	1058.5255	-0.0737	-70	573	582	FPAAPNSVKK					Mascot
1091.5044	1091.5801	0.0757	69	403	411	FSFVYEDGK					Mascot
1091.5044	1091.5801	0.0757	69	403	411	FSFVYEDGK					Mascot
1198.6538	1198.6777	0.0239	20	359	369	SNQLPINISGR					Mascot
1198.6538	1198.6777	0.0239	20	359	369	SNQLPINISGR					Mascot
1240.6896	1240.6304	-0.0592	-48	162	173	LPEGVLTSP TAR					Mascot
1240.6896	1240.6304	-0.0592	-48	162	173	LPEGVLTSP TAR					Mascot
1360.6968	1360.6343	-0.0625	-46	106	118	GVEPVSQHASPPR					Mascot
1402.8152	1402.7197	-0.0955	-68	120	132	TSVSPELTVKITK					Mascot
1498.8522	1498.7201	-0.1321	-88	130	143	ITKCVVNLGGKPNR					Mascot
1576.9243	1576.8215	-0.1028	-65	91	105	IPKLCAAPAGQPLLK			Carbamidomethyl (C)[5]		Mascot
1730.8452	1730.7938	-0.0514	-30	6	22	GGSLPAMPEPKSPTSMK			Oxidation (M)[7]		Mascot
1799.9572	1799.8937	-0.0635	-35	549	564	DLLCIDLDLQPKASQK					Mascot

1799.9572 1799.8937 -0.0635 -35 549 564 DLLCIDLDLQPKASQK

Mascot

38 PREDICTED: hypothetical protein LOC368753 [Danio rerio] gi|292611672 56234.5 7.88 10 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
870.4753	870.5396	0.0643	74	395	401 YTMAKIK		Oxidation (M)[3]		Mascot
1051.6047	1051.7117	0.107	102	466	474 VSWGKIPHK				Mascot
1091.5149	1091.5801	0.0652	60	117	126 GKIEEGAECR				Mascot
1091.5149	1091.5801	0.0652	60	117	126 GKIEEGAECR				Mascot
1120.5667	1120.5466	-0.0201	-18	343	352 MIQQQSIESK				Mascot
1198.7266	1198.6777	-0.0489	-41	42	52 SVSLIGRTPLR				Mascot
1198.7266	1198.6777	-0.0489	-41	42	52 SVSLIGRTPLR				Mascot
1498.681	1498.7201	0.0391	26	312	324 RTSCGVILCS DCK		Carbamidomethyl (C)[4,9]		Mascot
1872.955	1872.894	-0.061	-33	263	279 EDTQSDKPSSLPLEAKK				Mascot
2145.0024	2145.0566	0.0542	25	375	394 GIQGTMTTCVEMPLSLSG YNK		Oxidation (M)[6]		Mascot
2173.8809	2174.0911	0.2102	97	62	80 GNPQYDCDCRLQSASSG CR		Carbamidomethyl (C)[7,9]		Mascot
2224.959	2225.116	0.157	71	353	371 NTEQDNQAQEQYSGQE DIK				Mascot

39 condensin-2 complex subunit D3 [Danio rerio] gi|41056171 160392.2 6.87 16 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
856.525	856.5244	-0.0006	-1	1169	1176 AVLQVAQK				Mascot
969.5727	969.5462	-0.0265	-27	513	520 TIELTKHK				Mascot
1045.5636	1045.5614	-0.0022	-2	98	106 TKSPSLEQR				Mascot
1179.662	1179.5989	-0.0631	-53	829	838 YLSSVLLQEK				Mascot
1232.7109	1232.5938	-0.1171	-95	1322	1332 RTYAGIVTPVR				Mascot
1240.5701	1240.6304	0.0603	49	379	389 MPCQDYAATIK				Mascot
1240.5701	1240.6304	0.0603	49	379	389 MPCQDYAATIK				Mascot
1357.6648	1357.6888	0.024	18	390	399 WLYNYSRNNK				Mascot
1360.6422	1360.6343	-0.0079	-6	921	931 LCLQHEDLMMK				Mascot
1392.6321	1392.7341	0.102	73	921	931 LCLQHEDLMMK		Oxidation (M)[9,10]		Mascot
1464.7225	1464.8417	0.1192	81	663	674 LAWDLLGLMCEK		Carbamidomethyl (C)[10], Oxidation (M)[9]		Mascot
1682.8683	1682.7455	-0.1228	-73	851	865 HLYTLGVASLHCPSK		Carbamidomethyl (C)[12]		Mascot
1772.838	1772.8462	0.0082	5	375	389 LMAKMPQCQDYAATIK		Carbamidomethyl (C)[7], Oxidation (M)[2,5]		Mascot

	1772.838	1772.8462	0.0082	5	375	389	LMAKMPCQDYAATIK								Carbamidomethyl (C)[7], Oxidation (M)[2,5]	Mascot
	1931.9609	1932.0051	0.0442	23	695	711	FTPAFVNNLLSHTEGER									Mascot
	2120.0044	2120.0444	0.04	19	568	586	HGVIACSLNLSMLSDRC								Oxidation (M)[13]	Mascot
	2120.0044	2120.0444	0.04	19	568	586	HGVIACSLNLSMLSDRC								Oxidation (M)[13]	Mascot
	2183.0649	2183.0916	0.0267	12	1378	1396	VSKGEEENVLHLSPE									Mascot
	2220.0159	2220.1489	0.133	60	1147	1168	LTAMSGPAAGEEAQEDE									Mascot
	2220.0159	2220.1489	0.133	60	1147	1168	LTAMSGPAAGEEAQEDE									Mascot
	2283.1802	2283.1748	-0.0054	-2	784	804	TFSLPSEVISSCVDALVR									Mascot
	2283.1802	2283.1748	-0.0054	-2	784	804	TFSLPSEVISSCVDALVR									Mascot
40	DNA polymerase epsilon subunit 2 [Danio rerio]						gi 27545241	59223.8	5.65	6	33	0	18	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
878.473	878.4709	-0.0021	-2	125	131	DKAELFR	18	0				Mascot
878.473	878.4709	-0.0021	-2	125	131	DKAELFR						Mascot
1464.788	1464.8417	0.0537	37	405	416	IQYCSQELVIIR						Mascot
1475.8145	1475.7522	-0.0623	-42	471	483	LYPVPDVIVFADK						Mascot
2220.1084	2220.1489	0.0405	18	253	274	AYFGNVNFFGGPSSTAV						Mascot
2220.1692	2220.1489	-0.0203	-9	405	422	IQYCSQELVIREDLVNK				Carbamidomethyl (C)[4]		Mascot
2300.2383	2300.1758	-0.0625	-27	28	47	FLLQVLESVSPAELEEVL						Mascot

41	wingless-type MMTV integration site family, member 8a [Danio rerio]						gi 220678939	43349.7	8.88	7	33	0	20	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1058.5233	1058.5255	0.0022	2	321	329	RLCHECGLK						Mascot
1091.5011	1091.5801	0.079	72	254	263	MRAGNSADNR						Mascot
1091.5011	1091.5801	0.079	72	254	263	MRAGNSADNR	20	0				Mascot
1198.5192	1198.6777	0.1585	132	353	362	CETCTQTVTR				Carbamidomethyl (C)[1]		Mascot
1198.5192	1198.6777	0.1585	132	353	362	CETCTQTVTR				Carbamidomethyl (C)[1]		Mascot
1353.6249	1353.6805	0.0556	41	334	344	RIETVSSCNCK				Carbamidomethyl (C)[8,10]		Mascot
1925.8302	1925.9547	0.1245	65	2	18	DHLCSKCLCFASQEEGR						Mascot
2144.9385	2145.0566	0.1181	55	335	352	IETVSSCNCKFHWCCTVK				Carbamidomethyl (C)[7]		Mascot

	2233.0442	2233.0793	0.0351	16	64	84	AYLAYTSSVQAGAQSGIE ECK					Carbamidomethyl (C)[20]	Mascot
42	Bmf2 [Danio rerio]				gi 113679664	25155.5	7.68	7	33	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
878.3859	878.4709	0.085	97	12	18	CCETPLR			Carbamidomethyl (C)[1]		Mascot
878.3859	878.4709	0.085	97	12	18	CCETPLR			Carbamidomethyl (C)[1]		Mascot
1120.5238	1120.5466	0.0228	20	12	20	CCETPLRNK			Carbamidomethyl (C)[1]		Mascot
1243.6641	1243.5995	-0.0646	-52	148	159	DAGISVEVQIGR					Mascot
1392.5583	1392.7341	0.1758	126	1	11	MDDEEDEQLPR			Oxidation (M)[1]		Mascot
1764.9235	1764.918	-0.0055	-3	208	223	MTSLSAISVLNMQIPK			Oxidation (M)[1,12]		Mascot
1772.8773	1772.8462	-0.0311	-18	144	159	EEDRDAGISVEVQIGR					Mascot
1772.8773	1772.8462	-0.0311	-18	144	159	EEDRDAGISVEVQIGR					Mascot
2120.074	2120.0444	-0.0296	-14	78	99	TAFRAPCGTGGLVSLTM GPGAR					Mascot
2120.074	2120.0444	-0.0296	-14	78	99	TAFRAPCGTGGLVSLTM GPGAR					Mascot

43	epidermal growth factor-like protein 6 [Danio rerio]				gi 50539982	57454.3	4.82	11	33	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
878.3937	878.4709	0.0772	88	149	155	NQCPFNR					Mascot
878.3937	878.4709	0.0772	88	149	155	NQCPFNR					Mascot
1058.4434	1058.5255	0.0821	78	13	20	LECCYGWK			Carbamidomethyl (C)[3]		Mascot
1160.5227	1160.6057	0.083	72	46	55	CKCFPGYTGK			Carbamidomethyl (C)[1]		Mascot
1243.5598	1243.5995	0.0397	32	13	21	LECCYGWKK			Carbamidomethyl (C)[3,4]		Mascot
1464.6399	1464.8417	0.2018	138	9	20	YGSRLLECCYGWK					Mascot
1498.7358	1498.7201	-0.0157	-10	168	180	CQPGYDLKYINGK					Mascot
1531.7244	1531.7518	0.0274	18	122	136	CLCPSPGLQLGSDGK			Carbamidomethyl (C)[1]		Mascot
1719.7577	1719.7845	0.0268	16	196	210	CSHHAECINTLGSYK			Carbamidomethyl (C)[1]		Mascot
2145.0083	2145.0566	0.0483	23	215	232	QGFRGSGFDCSVKPFYH R			Carbamidomethyl (C)[10]		Mascot
2232.9253	2233.0793	0.154	69	25	45	GQCEAQCDLGCKHGEC VGPNK			Carbamidomethyl (C)[3]		Mascot
2300.033	2300.1758	0.1428	62	56	74	TCSQDLNECGLKPRPCE HR			Carbamidomethyl (C)[2,9]		Mascot

44	arsenite resistance protein 2 [Danio rerio]				gi 21105449	103417.6	5.33	11	33	0		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	842.5345	842.5095	-0.025	-30	253	260 ILDAAVIK					Mascot
	878.4803	878.4709	-0.0094	-11	701	708 MGPLFSVK					Mascot
	878.4803	878.4709	-0.0094	-11	701	708 MGPLFSVK					Mascot
	1091.4786	1091.5801	0.1015	93	261	270 MEGGAENDLR					Mascot
	1091.4786	1091.5801	0.1015	93	261	270 MEGGAENDLR	10	0			Mascot
	1232.6382	1232.5938	-0.0444	-36	876	885 GDPRNIEYR					Mascot
	1373.7032	1373.687	-0.0162	-12	860	872 GQGGYPGKPRNSR					Mascot
	1392.6729	1392.7341	0.0612	44	186	196 QQMQDFFLAHK					Mascot
	1730.8605	1730.7938	-0.0667	-39	451	465 TCSLFMREFAPTISK					Mascot
	1772.8297	1772.8462	0.0165	9	271	284 ILEQPSEEEEEERER					Mascot
	1772.8297	1772.8462	0.0165	9	271	284 ILEQPSEEEEEERER					Mascot
	1799.9585	1799.8937	-0.0648	-36	503	517 GVNIKEICWNLQNIR					Mascot
	1799.9585	1799.8937	-0.0648	-36	503	517 GVNIKEICWNLQNIR	0	0			Mascot
	1925.9226	1925.9547	0.0321	17	158	174 EFLISLDDSVDETESVK					Mascot
	2576.1416	2576.3013	0.1597	62	261	282 MEGGAENDLRILEQPSE EEEEER			Oxidation (M)[1]		Mascot
45	serine hydroxymethyltransferase [Danio rerio]				gi 62420325		53287.1	7.96	9	33	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	1091.5076	1091.5801	0.0725	66	362	372 SNGTDGGRAEK					Mascot
	1091.5076	1091.5801	0.0725	66	362	372 SNGTDGGRAEK					Mascot
	1232.6885	1232.5938	-0.0947	-77	97	107 ALKVYGLDPEK					Mascot
	1240.6354	1240.6304	-0.005	-4	194	204 LIIAGTSCYSR			Carbamidomethyl (C)[8]		Mascot
	1240.6354	1240.6304	-0.005	-4	194	204 LIIAGTSCYSR			Carbamidomethyl (C)[8]		Mascot
	1576.7821	1576.8215	0.0394	25	370	383 AEKVL EACAIACNK			Carbamidomethyl (C)[8,12]		Mascot
	1764.8877	1764.918	0.0303	17	156	170 KISATSIFFESMPYK			Oxidation (M)[12]		Mascot
	1931.9644	1932.0051	0.0407	21	194	210 LIIAGTSCYSRNLDYSR					Mascot
	2182.9822	2183.0916	0.1094	50	79	96 YYGGTEHVD ELERLCQD R					Mascot
	2220.1292	2220.1489	0.0197	9	18	36 MMLEPLSTNDPEVFDIIK K					Mascot
	2220.1292	2220.1489	0.0197	9	18	36 MMLEPLSTNDPEVFDIIK K					Mascot
	2283.126	2283.1748	0.0488	21	135	155 IMGLDLPDGGHLTHGFM TDDK					Mascot
	2283.126	2283.1748	0.0488	21	135	155 IMGLDLPDGGHLTHGFM TDDK					Mascot

46 PREDICTED: paired amphipathic helix protein Sin3a gi|292616206 144029.5 7.26 17 32 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
863.5349	863.4851	-0.0498	-58	1060	1066	LLFQKSK					Mascot
996.5697	996.5945	0.0248	25	1194	1201	VSTR LHQR					Mascot
996.5697	996.5945	0.0248	25	1194	1201	VSTR LHQR					Mascot
1091.6207	1091.5801	-0.0406	-37	550	559	LGSSYRALPK					Mascot
1091.6207	1091.5801	-0.0406	-37	550	559	LGSSYRALPK					Mascot
1160.5404	1160.6057	0.0653	56	522	531	ECAHIESFPK					Mascot
1179.5687	1179.5989	0.0302	26	560	569	SFQQPRCTGR					Mascot
1232.5654	1232.5938	0.0284	23	699	707	EEEWREAQR					Mascot
1243.6793	1243.5995	-0.0798	-64	919	928	EWERNVLGLK					Mascot
1282.5449	1282.6792	0.1343	105	1130	1139	CQRGQEMQMR			Oxidation (M)[7]		Mascot
1353.6521	1353.6805	0.0284	21	1202	1210	FQMWLDRWR			Oxidation (M)[3]		Mascot
1360.6703	1360.6343	-0.036	-26	5	16	LEDQDTVIGSQR					Mascot
1420.6862	1420.7236	0.0374	26	414	424	QRFNQNGCQIR			Carbamidomethyl (C)[8]		Mascot
1682.6343	1682.7455	0.1112	66	1148	1162	SSEGGDDSKMECMFK			Oxidation (M)[10,13]		Mascot
1730.7916	1730.7938	0.0022	1	1168	1180	MVYVFKSEDYMYR					Mascot
1817.8601	1817.8652	0.0051	3	979	993	EMFTIHAYIAFTMDK					Mascot
1962.0654	1962.0641	-0.0013	-1	150	167	SQSIDTPGVISRVSQLFK					Mascot
2283.104	2283.1748	0.0708	31	1092	1110	WPDYVERYLNTSSASPE LR					Mascot
2283.104	2283.1748	0.0708	31	1092	1110	WPDYVERYLNTSSASPE LR					Mascot
2455.2656	2455.3079	0.0423	17	315	334	FQGQPEVYKSFLEILHTY QK					Mascot

47 PREDICTED: hypothetical protein LOC100535449 gi|326675262 15714.9 10.22 7 32 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1165.6323	1165.7427	0.1104	95	38	47	SNNVKSFITR					Mascot
1232.5221	1232.5938	0.0717	58	89	99	GIGVCCMSYSR			Carbamidomethyl (C)[5]		Mascot
1498.7683	1498.7201	-0.0482	-32	43	55	SFITRLGDTTMR					Mascot
1817.7979	1817.8652	0.0673	37	48	64	LGDTTMRFCADGCQAK					Mascot
1872.8368	1872.894	0.0572	31	1	18	MSFSASAACPLSSAHSY R					Mascot

	1931.8408	1932.0051	0.1643	85	48	64	LGDTTMRFCADGCQAK					Carbamidomethyl (C)[10,14]	Mascot
	1961.9427	1962.0641	0.1214	62	89	105	GIGVCCMSYSRMILLR					Carbamidomethyl (C)[5], Oxidation (M)[7]	Mascot
	2283.99	2284.1562	0.1662	73	78	99	SMMVGSTSSPKGIGVCC MSYSR					Oxidation (M)[2]	Mascot
	2299.9849	2300.1758	0.1909	83	78	99	SMMVGSTSSPKGIGVCC MSYSR					Oxidation (M)[2,3]	Mascot
48	PREDICTED: tyrosine-protein phosphatase non-receptor type 13 [Danio rerio]					gi 326673035	183811	6.06	17	32	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.4104	870.5396	0.1292	148	268	274	STSFWSR					Mascot
878.4406	878.4709	0.0303	34	406	412	VAPDYWK					Mascot
878.4406	878.4709	0.0303	34	406	412	VAPDYWK					Mascot
969.4934	969.5462	0.0528	54	655	662	YTSICRAR					Mascot
1045.575	1045.5614	-0.0136	-13	1192	1200	SRSLDLQAR					Mascot
1120.5898	1120.5466	-0.0432	-39	442	449	HQYYLQLR					Mascot
1240.7446	1240.6304	-0.1142	-92	499	509	VIEKVALPCLR					Mascot
1240.7446	1240.6304	-0.1142	-92	499	509	VIEKVALPCLR					Mascot
1262.6932	1262.651	-0.0422	-33	1654	1663	ALWFLVSLWQ					Mascot
1353.6389	1353.6805	0.0416	31	1585	1596	CTLGMTLEDAVK			Carbamidomethyl (C)[1], Oxidation (M)[5]		Mascot
1357.7798	1357.6888	-0.091	-67	1022	1033	RTGEVVSIVLER					Mascot
1420.6743	1420.7236	0.0493	35	487	497	NYFQTEQYISK					Mascot
1498.7318	1498.7201	-0.0117	-8	1119	1133	SLSSGHPAGDCGLLK			Carbamidomethyl (C)[11]		Mascot
1576.7754	1576.8215	0.0461	29	487	498	NYFQTEQYISK					Mascot
1719.8408	1719.7845	-0.0563	-33	704	717	IRQQNEVNYSPEER					Mascot
1799.9862	1799.8937	-0.0925	-51	1286	1303	ASTTNTVQTPAAPKTAIK					Mascot
1799.9862	1799.8937	-0.0925	-51	1286	1303	ASTTNTVQTPAAPKTAIK					Mascot
2183.1707	2183.0916	-0.0791	-36	802	822	LDLGIFIASIIPDGADKD GR					Mascot
2351.1006	2351.3132	0.2126	90	641	660	QLTYCLASDDSVAKYTSI CR			Carbamidomethyl (C)[5,19]		Mascot
2455.3376	2455.3079	-0.0297	-12	42	65	GHNICNIITPASLLSATG TLAFK					Mascot

49 serine hydroxymethyltransferase, cytosolic [Danio rerio] gi|41054918 53350.1 8.21 9 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1091.5076	1091.5801	0.0725	66	362	372	SNGTDGGRAEK					Mascot

1091.5076	1091.5801	0.0725	66	362	372	SNGTDGGRAEK						Mascot
1232.6885	1232.5938	-0.0947	-77	97	107	ALKVYGLDPEK						Mascot
1240.6354	1240.6304	-0.005	-4	194	204	LIIAGTSCYSR			Carbamidomethyl (C)[8]			Mascot
1240.6354	1240.6304	-0.005	-4	194	204	LIIAGTSCYSR			Carbamidomethyl (C)[8]			Mascot
1576.7821	1576.8215	0.0394	25	370	383	AEKVL EACAIACNK			Carbamidomethyl (C)[8,12]			Mascot
1764.8877	1764.918	0.0303	17	156	170	KISATSIFFESMPYK			Oxidation (M)[12]			Mascot
1931.9644	1932.0051	0.0407	21	194	210	LIIAGTSCYSRNL DYSR						Mascot
2182.9822	2183.0916	0.1094	50	79	96	YYGGTEHVDELERLCQD R						Mascot
2220.1292	2220.1489	0.0197	9	18	36	MMLEPLSTNDPEVFDIIK K						Mascot
2220.1292	2220.1489	0.0197	9	18	36	MMLEPLSTNDPEVFDIIK K						Mascot
2283.126	2283.1748	0.0488	21	135	155	IMGLDLPDGGHLTHGFM TDDK						Mascot
2283.126	2283.1748	0.0488	21	135	155	IMGLDLPDGGHLTHGFM TDDK						Mascot

50

PREDICTED: hypothetical protein LOC100332991

[Danio rerio]

gi|292613934

19237.3

8.99

5

32

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5709	842.5095	-0.0614	-73	156	163	LSLVLLGK					Mascot
1091.6055	1091.5801	-0.0254	-23	70	79	KISDSLSSVR					Mascot
1091.6055	1091.5801	-0.0254	-23	70	79	KISDSLSSVR	19	0			Mascot
1240.5739	1240.6304	0.0565	46	122	131	RFGMSNIEDR			Oxidation (M)[4]		Mascot
1240.5739	1240.6304	0.0565	46	122	131	RFGMSNIEDR			Oxidation (M)[4]		Mascot
2173.8301	2174.0911	0.261	120	6	24	CPSCQGSDCAMDGQRA VCR			Carbamidomethyl (C)[1,4,9], Oxidation (M)[11]		Mascot
2220.0835	2220.1489	0.0654	29	92	112	ALLTHSGLGCPNIICPHC NTR					Mascot
2220.0835	2220.1489	0.0654	29	92	112	ALLTHSGLGCPNIICPHC NTR					Mascot

Gel Idx/Pos	219/119	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	glycerol-3-phosphate dehydrogenase 1-like protein [Danio rerio]	gi 54400366	38259.6	5.45	11	463	100	411	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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1103.5844	1103.5824	-0.002	-2	180	188	DLLQTPNFR	66	99.993		Mascot
1103.5844	1103.5824	-0.002	-2	180	188	DLLQTPNFR				Mascot
1334.7791	1334.7791	0	0	70	81	LPENVVAVPQLR	66	99.994		Mascot
1334.7791	1334.7791	0	0	70	81	LPENVVAVPQLR				Mascot
1546.7794	1546.7795	0.0001	0	7	21	VCIVGSGNWGSAIAR	127	100	Carbamidomethyl (C)[2]	Mascot
1546.7794	1546.7795	0.0001	0	7	21	VCIVGSGNWGSAIAR			Carbamidomethyl (C)[2]	Mascot
1668.9319	1668.9299	-0.002	-1	299	313	LQGPLTSAEVYHILK				Mascot
2083.0972	2083.0981	0.0009	0	82	100	DAADGADLLVFVPHQFI R	152	100		Mascot
2083.0972	2083.0981	0.0009	0	82	100	DAADGADLLVFVPHQFI R				Mascot
2095.9534	2095.9583	0.0049	2	206	225	NIVAVGAGFCDGLQCGD NTK			Carbamidomethyl (C)[10,15]	Mascot
2148.0674	2148.0391	-0.0283	-13	141	161	MGIDVSVLMGANIANEVA AEK			Oxidation (M)[1]	Mascot
2211.1919	2211.1074	-0.0845	-38	82	101	DAADGADLLVFVPHQFI RK				Mascot
2230.1365	2230.155	0.0185	8	321	338	FPLFTAVYQICFEDKPVR			Carbamidomethyl (C)[11]	Mascot
2409.1287	2409.2122	0.0835	35	30	49	LQCFATTVKMWVYEEMV NGK			Oxidation (M)[10,16]	Mascot
2781.2341	2781.2424	0.0083	3	246	271	DDSVSSATFLESCGVADL ITTCYGGR			Carbamidomethyl (C)[13,22]	Mascot

2 Chain A, Crystal Structure Of Zebrafish Ape gi|162329921 31891.8 5.52 9 359 100 315 100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
938.4366	938.4402	0.0036	4	152	158	TWDVDFR				Mascot
1020.4744	1020.4731	-0.0013	-1	194	202	NAGFTPEER				Mascot
1038.5037	1038.504	0.0003	0	159	167	AYLCGLDAR			Carbamidomethyl (C)[4]	Mascot
1066.5316	1066.531	-0.0006	-1	151	158	KTWDVDFR				Mascot
1160.6058	1160.6064	0.0006	1	29	38	ITSWNVDGLR				Mascot
1160.6058	1160.6064	0.0006	1	29	38	ITSWNVDGLR	49	99.661		Mascot
1817.8704	1817.8693	-0.0011	-1	203	218	EGFTQLLEAGFTDSFR				Mascot
1817.8704	1817.8693	-0.0011	-1	203	218	EGFTQLLEAGFTDSFR	106	100		Mascot
2162.1638	2162.1663	0.0025	1	168	186	KPLVLCGDLNVAHQEIDL K			Carbamidomethyl (C)[6]	Mascot
2357.2175	2357.2214	0.0039	2	122	142	VITAEFPDFFLVTAYVPNA SR	160	100		Mascot
2357.2175	2357.2214	0.0039	2	122	142	VITAEFPDFFLVTAYVPNA SR				Mascot
2781.2324	2781.2424	0.01	4	219	240	ELYPDQAYAYTFWYMM NARSK			Oxidation (M)[16,17]	Mascot

3 Apex1 protein [Danio rerio] gi|66910408 33299.7 6.48 9 358 100 315 100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
938.4366	938.4402	0.0036	4	166	172	TWDVDFR				Mascot
1020.4744	1020.4731	-0.0013	-1	208	216	NAGFTPEER				Mascot
1038.5037	1038.504	0.0003	0	173	181	AYLCGLDAR			Carbamidomethyl (C)[4]	Mascot
1066.5316	1066.531	-0.0006	-1	165	172	KTWDVDFR				Mascot
1160.6058	1160.6064	0.0006	1	57	66	ITSWNVDGLR				Mascot
1160.6058	1160.6064	0.0006	1	57	66	ITSWNVDGLR	49	99.661		Mascot
1817.8704	1817.8693	-0.0011	-1	217	232	EGFTQLLEAGFTDSFR				Mascot
1817.8704	1817.8693	-0.0011	-1	217	232	EGFTQLLEAGFTDSFR	106	100		Mascot
2162.1638	2162.1663	0.0025	1	182	200	KPLVLCGDLNVAHQEIDLK			Carbamidomethyl (C)[6]	Mascot
2357.2175	2357.2214	0.0039	2	136	156	VITAEFPDFFLVTAYVPNASR	160	100		Mascot
2357.2175	2357.2214	0.0039	2	136	156	VITAEFPDFFLVTAYVPNASR				Mascot
2781.2324	2781.2424	0.01	4	233	254	ELYPDQAYAYTFWTYMMNARSK			Oxidation (M)[16,17]	Mascot
4	novel protein (zgc:66204) [Danio rerio]			gi 55962497		34874.4	5.77	9	356	100 315 100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
938.4366	938.4402	0.0036	4	180	186	TWDVDFR				Mascot
1020.4744	1020.4731	-0.0013	-1	222	230	NAGFTPEER				Mascot
1038.5037	1038.504	0.0003	0	187	195	AYLCGLDAR			Carbamidomethyl (C)[4]	Mascot
1066.5316	1066.531	-0.0006	-1	179	186	KTWDVDFR				Mascot
1160.6058	1160.6064	0.0006	1	57	66	ITSWNVDGLR				Mascot
1160.6058	1160.6064	0.0006	1	57	66	ITSWNVDGLR	49	99.661		Mascot
1817.8704	1817.8693	-0.0011	-1	231	246	EGFTQLLEAGFTDSFR				Mascot
1817.8704	1817.8693	-0.0011	-1	231	246	EGFTQLLEAGFTDSFR	106	100		Mascot
2162.1638	2162.1663	0.0025	1	196	214	KPLVLCGDLNVAHQEIDLK			Carbamidomethyl (C)[6]	Mascot
2357.2175	2357.2214	0.0039	2	150	170	VITAEFPDFFLVTAYVPNASR	160	100		Mascot
2357.2175	2357.2214	0.0039	2	150	170	VITAEFPDFFLVTAYVPNASR				Mascot
2781.2324	2781.2424	0.01	4	247	268	ELYPDQAYAYTFWTYMMNARSK			Oxidation (M)[16,17]	Mascot
5	Rplp0 protein [Danio rerio]			gi 38541244		34404	5.73	5	90	99.995 71 99.998

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank Result Type

														Seq.	Seq.	Score			
	1249.6284	1249.6261	-0.0023	-2	67	77	GHLENNPALER	71	99.998					Mascot					
	1249.6284	1249.6261	-0.0023	-2	67	77	GHLENNPALER					Mascot							
	1313.71	1313.7051	-0.0049	-4	135	146	TSFFQALGITTK					Mascot							
	1826.027	1826.0262	-0.0008	0	150	166	GTIEILSDVQLIKPGDK					Mascot							
	1896	1895.9923	-0.0077	-4	248	264	VLAVTVETDYTFPLAEK					Mascot							
	2180.1016	2180.1082	0.0066	3	113	134	AGAIAPCEVTVPAQNTGL GPEK			Carbamidomethyl (C)[7]			Mascot						
6	60S acidic ribosomal protein P0 [Danio rerio]				gi 18859323		34731.2	6.16	5	89	99.995	71	99.998						
Peptide Information																			
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type						
1249.6284		1249.6261	-0.0023	-2	67	77	GHLENNPALER	71	99.998				Mascot						
1249.6284		1249.6261	-0.0023	-2	67	77	GHLENNPALER					Mascot							
1313.71		1313.7051	-0.0049	-4	135	146	TSFFQALGITTK					Mascot							
1826.027		1826.0262	-0.0008	0	150	166	GTIEILSDVQLIKPGDK					Mascot							
1896		1895.9923	-0.0077	-4	251	267	VLAVTVETDYTFPLAEK					Mascot							
2180.1016		2180.1082	0.0066	3	113	134	AGAIAPCEVTVPAQNTGL GPEK			Carbamidomethyl (C)[7]			Mascot						
7	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12 [Danio rerio]				gi 74315939		16958.4	9.39	7	45	0								
Peptide Information																			
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type						
882.4501		882.5649	0.1148	130	2	9	AGYATLMR						Mascot						
1038.5513		1038.504	-0.0473	-46	2	10	AGYATLMRR						Mascot						
1045.4805		1045.5616	0.0811	78	1	9	MAGYATLMR			Oxidation (M)[1,8]			Mascot						
1234.6215		1234.6238	0.0023	2	11	22	FVGFTGHGGVK						Mascot						
1357.6456		1357.7211	0.0755	56	62	72	WVIYTEMNGK			Oxidation (M)[8]			Mascot						
1390.7225		1390.7136	-0.0089	-6	10	22	RFVGFTGHGGVK						Mascot						
2230.042		2230.155	0.113	51	90	108	WLHCMTDDPPTTHPPEP KK						Mascot						
8	mitochondrial uncoupling protein 3 [Danio rerio]				gi 54261747		33744.6	10.02	9	44	0								
Peptide Information																			
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type						

	850.4385	850.541	0.1025	121	296	302	RAMMVS										Mascot
	996.4713	996.595	0.1237	124	297	304	AMMVSRNR										Mascot
	1103.4939	1103.5824	0.0885	80	156	164	YNGTMQAYR										Mascot
	1103.6207	1103.5824	-0.0383	-35	165	173	QIFQLEGLR										Mascot
	1546.9203	1546.7795	-0.1408	-91	2	16	VGLKPSDVPPLTVK										Mascot
	1546.9203	1546.7795	-0.1408	-91	2	16	VGLKPSDVPPLTVK										Mascot
	1825.9629	1826.0262	0.0633	35	88	103	QMAFASIRIGLYDNVK										Mascot
	2180.0759	2180.1082	0.0323	15	119	140	ILAGCTTGAMAVSMAQP TDVVK										Mascot
	2211.1702	2211.1074	-0.0628	-28	76	95	SLYNGLVAGLQRQMAFA SIR										Mascot
	2781.2429	2781.2424	-0.0005	0	240	263	TRYMNSPPGQYSSSTNC AWTMLTK										Mascot
9	polo-like kinase 3 (Drosophila) [Danio rerio]					gi 169154707	74271.7	9.04	12	43	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
911.4257	911.4162	-0.0095	-10	480	486	WVDYSNK					Mascot
1249.5994	1249.6261	0.0267	21	516	525	TVHYCLTNNK			Carbamidomethyl (C)[5]		Mascot
1249.5994	1249.6261	0.0267	21	516	525	TVHYCLTNNK			Carbamidomethyl (C)[5]		Mascot
1313.5613	1313.7051	0.1438	109	1	11	MDPSCFTTAQR			Carbamidomethyl (C)[5]		Mascot
1357.6899	1357.7211	0.0312	23	526	537	HFSFPANALPEK					Mascot
1465.7137	1465.6389	-0.0748	-51	450	463	VLNSCLSSMPTASR					Mascot
1466.7274	1466.6255	-0.1019	-69	593	604	TLQVNFYTDHTK					Mascot
1466.7274	1466.6255	-0.1019	-69	593	604	TLQVNFYTDHTK					Mascot
1701.9646	1701.9065	-0.0581	-34	104	117	IINEIELHKSQHK					Mascot
1817.7979	1817.8693	0.0714	39	1	15	MDPSCFTTAQRSLCK			Carbamidomethyl (C)[5,14], Oxidation (M)[1]		Mascot
1817.9214	1817.8693	-0.0521	-29	216	231	TICGTPNYLAPEVLNR			Carbamidomethyl (C)[3]		Mascot
2148.1191	2148.0391	-0.08	-37	320	339	LPPSSCVMVPELNPPSP AKK			Carbamidomethyl (C)[6]		Mascot
2233.1138	2233.0901	-0.0237	-11	450	470	VLNSCLSSMPTASRNPP CLVK			Oxidation (M)[9]		Mascot
2283.1326	2283.1809	0.0483	21	625	644	VSYSYPLNLVSELGCSPE LR			Carbamidomethyl (C)[15]		Mascot

10 ATP-binding cassette sub-family D member 4 [Danio rerio] gi|300863092 68999.7 8.28 12 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
911.4073	911.4162	0.0089	10	154	161	QMSTMASR					Mascot

1038.5579	1038.504	-0.0539	-52	68	76	VLSERSYGK		Mascot
1229.6599	1229.6289	-0.031	-25	126	135	VYYTLNILCK		Mascot
1234.5885	1234.6238	0.0353	29	590	600	LCGGGQWELSK	Carbamidomethyl (C)[2]	Mascot
1331.6121	1331.6315	0.0194	15	239	249	ASNVEHMRTR	Oxidation (M)[7]	Mascot
1465.7581	1465.6389	-0.1192	-81	578	589	STLEKHHDVMLR		Mascot
1660.8541	1660.8108	-0.0433	-26	375	389	ELQSVPADTAFVLDR		Mascot
1668.9604	1668.9299	-0.0305	-18	201	215	ILIGPIVSMLEQEK		Mascot
2211.198	2211.1074	-0.0906	-41	404	425	DLTSLISQGTHLLVVGNT GTGK		Mascot
2225.127	2225.1223	-0.0047	-2	375	393	ELQSVPADTAFVLDRLCY K	Carbamidomethyl (C)[17]	Mascot
2225.127	2225.1223	-0.0047	-2	375	393	ELQSVPADTAFVLDRLCY K	Carbamidomethyl (C)[17]	Mascot
2230.0818	2230.155	0.0732	33	441	460	GSVQMTTCFGPRGLMFL PQK	Oxidation (M)[5,15]	Mascot
2781.5469	2781.2424	-0.3045	-109	404	430	DLTSLISQGTHLLVVGNT GTGKTSLLR		Mascot

Peptide Information

	2357.217	2357.2214	0.0044	2	115	135	SK VGADNHVLPDCITIQTYL		Carbamidomethyl (C)[12]	Mascot
	2357.217	2357.2214	0.0044	2	115	135	SK VGADNHVLPDCITIQTYL		Carbamidomethyl (C)[12]	Mascot
	2781.457	2781.2424	-0.2146	-77	865	889	SK NHLIQFNPLYKAGSVPDS			Mascot
	3338.5918	3338.781	0.1892	57	1182	1210	NTPDILK MYPTDDSKPLTAGTVDDQ		Oxidation (M)[1]	Mascot
							LLYEVIHEAMER			

12 SH3 domain-binding protein 4-A [Danio rerio] gi|45387913 104947.5 7.73 14 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5822	842.5087	-0.0735	-87	634	640	LIKTVIR					Mascot
850.4338	850.541	0.1072	126	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
1045.4796	1045.5616	0.082	78	762	770	AELDSEPER					Mascot
1334.6443	1334.7791	0.1348	101	379	390	TESPM AEIVCVR					Mascot
1334.6443	1334.7791	0.1348	101	379	390	TESPM AEIVCVR					Mascot
1357.6932	1357.7211	0.0279	21	463	475	TVVAIFGHDCAPK					Mascot
1362.6835	1362.6376	-0.0459	-34	733	743	TILMENLGNWR			Oxidation (M)[4]		Mascot
1396.6447	1396.7544	0.1097	79	778	788	LKEDCLNMETK			Carbamidomethyl (C)[5], Oxidation (M)[8]		Mascot
1671.806	1671.8973	0.0913	55	432	445	HVSFSSNVWNHMK					Mascot
2053.0906	2052.9951	-0.0955	-47	674	690	EWYIGYYQGKIGLVHVK					Mascot
2230.2417	2230.155	-0.0867	-39	813	831	LIMDFVLLTTAVEVAPRW					Mascot
2284.2368	2284.1775	-0.0593	-26	463	484	R TVVAIFGHDCAPKTLTLLVS					Mascot
2300.0686	2300.1809	0.1123	49	568	587	EVGK DDQDCILAQFCVQTPQP			Carbamidomethyl (C)[5]		Mascot
2357.0901	2357.2214	0.1313	56	568	587	PPK DDQDCILAQFCVQTPQP			Carbamidomethyl (C)[5,11]		Mascot
2357.0901	2357.2214	0.1313	56	568	587	PPK DDQDCILAQFCVQTPQP			Carbamidomethyl (C)[5,11]		Mascot
3337.6052	3337.771	0.1658	50	269	298	PPK LARSCHDLES LGQNPGW			Carbamidomethyl (C)[5]		Mascot
3338.5496	3338.781	0.2314	69	856	884	GQTQPVETNIVCK TGMVDSEAMWKPAYDFL			Oxidation (M)[3]		Mascot
						LTWAAQIGDSYR					

13 gamma-aminobutyric acid receptor subunit alpha-1 [Danio rerio] gi|116268041 51611.5 9.42 10 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1020.536	1020.4731	-0.0629	-62	392	401	SAPPPPTPEK					Mascot
1229.5765	1229.6289	0.0524	43	134	144	SVAHNMTMPNK					Mascot
1249.6787	1249.6261	-0.0526	-42	402	412	EEP KPKPEAK					Mascot

	1249.6787	1249.6261	-0.0526	-42	402	412	EEPKPKPPEAK										Mascot
	1331.6549	1331.6315	-0.0234	-18	201	214	GAAQSVVVADDGSR										Mascot
	1357.6715	1357.7211	0.0496	37	133	144	KVAHNMTMPNK										Mascot
	1390.7623	1390.7136	-0.0487	-35	448	459	KPKLQGMNLQPH										Mascot
	1867.9297	1867.8486	-0.0811	-43	365	382	NNTYTAATATAFAPNIAR										Mascot
	1896.0259	1895.9923	-0.0336	-18	148	163	ITEEGTLLYTMRLTVR										Mascot
	2272.2043	2272.116	-0.0883	-39	45	64	ILDSLLDGYDNRLRPGLG ER										Mascot
	2781.2979	2781.2424	-0.0555	-20	160	183	LTVRAECPMHLEDFPMD AHACPLK						Carbamidomethyl (C)[7]				Mascot

14 PREDICTED: coiled-coil domain-containing protein
C16orf93 homolog [Danio rerio] gi|292619525 33587.9 5.12 8 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
911.5382	911.4162	-0.122	-134	18	25	IMVPQVPK					Mascot
1117.483	1117.5894	0.1064	95	36	44	HSDMEEIEK					Mascot
1234.5182	1234.6238	0.1056	86	194	204	SQSESPADEER					Mascot
1357.707	1357.7211	0.0141	10	232	244	SPNPGLSSKSDLR					Mascot
1390.7107	1390.7136	0.0029	2	47	57	STQDIERILCR			Carbamidomethyl (C)[10]		Mascot
2082.8843	2083.0981	0.2138	103	209	226	ETEMDGEVQQSSELP EM K			Oxidation (M)[4]		Mascot
2082.8843	2083.0981	0.2138	103	209	226	ETEMDGEVQQSSELP EM K			Oxidation (M)[4]		Mascot
2200.1204	2200.0471	-0.0733	-33	268	287	NSADQLNNAISQLETNIQ VK					Mascot
3338.7549	3338.781	0.0261	8	258	287	LSAQLQQELKNSADQLN NAISQLETNIQVK					Mascot

15 RecName: Full=Protein Wnt-10a; Flags: Precursor gi|1175018 50014.5 8.71 12 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
911.3345	911.4162	0.0817	90	40	46	QESCCER			Carbamidomethyl (C)[4]		Mascot
938.3818	938.4402	0.0584	62	193	200	ACGCDEKR			Carbamidomethyl (C)[2]		Mascot
1030.5527	1030.5852	0.0325	32	202	210	GDEEALRIK					Mascot
1066.5752	1066.531	-0.0442	-41	405	413	GHNILQQTR					Mascot
1234.5303	1234.6238	0.0935	76	299	309	CHGTSGSCQLK			Carbamidomethyl (C)[1,8]		Mascot
1465.6344	1465.6389	0.0045	3	297	309	CKCHGTSGSCQLK			Carbamidomethyl (C)[1,3]		Mascot
1660.6183	1660.8108	0.1925	116	390	404	TSQGMDCNESLCCGR			Carbamidomethyl (C)[8]		Mascot
2082.9153	2083.0981	0.1828	88	31	46	GCWTDLLLRQESCCER			Carbamidomethyl (C)[2,13,14]		Mascot

	2082.9153	2083.0981	0.1828	88	31	46	GCWTDLLLRQESCCER		Carbamidomethyl (C)[2,13,14]	Mascot	
	2232.8923	2233.0901	0.1978	89	386	404	ICNKTSQGMDCESLCCGR		Carbamidomethyl (C)[2,12,16]	Mascot	
	2409.1689	2409.2122	0.0433	18	166	190	ESAFAYAIAAGVVHAVSNACAMGK			Mascot	
	2781.1919	2781.2424	0.0505	18	390	413	TSQGMDCESLCCGRGHNILQQTR		Carbamidomethyl (C)[8,12], Oxidation (M)[5]	Mascot	
	3337.8076	3337.771	-0.0366	-11	76	106	ADSNEILGLKIPFDPILNANTVCLTLPGLTK		Carbamidomethyl (C)[23]	Mascot	
16	hypothetical protein LOC777608 [Danio rerio]				gi 118150410		85601.5	6.97	15	39	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	842.5822	842.5087	-0.0735	-87	174	180	LKSLLLR					Mascot
	850.4152	850.541	0.1258	148	700	707	SASLTDEK					Mascot
	1020.493	1020.4731	-0.0199	-20	691	699	TPAQGMFPR			Oxidation (M)[6]		Mascot
	1160.5994	1160.6064	0.007	6	690	699	RTPAQGMFPR					Mascot
	1160.6205	1160.6064	-0.0141	-12	599	608	IVCTSTPRQR					Mascot
	1165.6034	1165.7456	0.1422	122	573	582	MPDLSGKVFR			Oxidation (M)[1]		Mascot
	1234.7075	1234.6238	-0.0837	-68	238	248	MASLLKLVDTK			Oxidation (M)[1]		Mascot
	1249.5729	1249.6261	0.0532	43	677	689	SAASSSLPDCPSK					Mascot
	1249.5729	1249.6261	0.0532	43	677	689	SAASSSLPDCPSK					Mascot
	1313.6089	1313.7051	0.0962	73	118	129	NGNMCFASGKLR			Oxidation (M)[4]		Mascot
	1331.6688	1331.6315	-0.0373	-28	550	560	KEVEEVEDLNK					Mascot
	1704.781	1704.8705	0.0895	52	551	564	EVEEVEDLNKEEDK					Mascot
	1867.8789	1867.8486	-0.0303	-16	111	127	DIVEAVRNGNMCFASGK			Carbamidomethyl (C)[12]		Mascot
	2200.1001	2200.0471	-0.053	-24	313	330	QPDLLHQMEAFLRMADIR			Oxidation (M)[8]		Mascot
	2230.1436	2230.155	0.0114	5	216	237	LVLKAGNYMNAGGYAGSAIGFR					Mascot
	2233.0554	2233.0901	0.0347	16	669	689	DKPSFSHKSAASSSLPD CPSK			Carbamidomethyl (C)[18]		Mascot

17 PREDICTED: putative uncharacterized zinc finger protein 814-like [Danio rerio] gi|292610426 61962.5 9.03 15 39 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	911.5421	911.4162	-0.1259	-138	202	209	GSLKIHTR					Mascot
	938.5781	938.4402	-0.1379	-147	426	433	KSLNVHLK					Mascot
	996.5472	996.595	0.0478	48	350	358	IHTGEKPSK					Mascot
	1045.5789	1045.5616	-0.0173	-17	365	373	SFTHKGQLK					Mascot

	1066.502	1066.531	0.029	27	243	252	SALTCVQCGK		Carbamidomethyl (C)[5]	Mascot
	1103.6129	1103.5824	-0.0305	-28	503	511	QINMELVIK		Oxidation (M)[4]	Mascot
	1103.6129	1103.5824	-0.0305	-28	503	511	QINMELVIK		Oxidation (M)[4]	Mascot
	1390.6882	1390.7136	0.0254	18	6	17	MEIVDSIDAE LR			Mascot
	1466.6879	1466.6255	-0.0624	-43	85	97	SFTCKGSVDVHMR			Mascot
	1466.6879	1466.6255	-0.0624	-43	85	97	SFTCKGSVDVHMR			Mascot
	1546.7893	1546.7795	-0.0098	-6	6	18	MEIVDSIDAE LR			Mascot
	1546.7893	1546.7795	-0.0098	-6	6	18	MEIVDSIDAE LR			Mascot
	1660.7571	1660.8108	0.0537	32	210	224	IHTGEKPYTCSHCGK			Mascot
	1671.7729	1671.8973	0.1244	74	266	280	IHTGEKPF SCHQCGK			Mascot
	1867.8201	1867.8486	0.0285	15	528	543	EQTEELLGQC PF LCGS		Carbamidomethyl (C)[10,14]	Mascot
	2225.1106	2225.1223	0.0117	5	178	196	HHVKIHYAGKPFTCELCG K		Carbamidomethyl (C)[14]	Mascot
	2225.1106	2225.1223	0.0117	5	178	196	HHVKIHYAGKPFTCELCG K		Carbamidomethyl (C)[14]	Mascot
	2272.0784	2272.116	0.0376	17	458	476	MHLIIHSGERPFS CDKC GK		Carbamidomethyl (C)[14,17]	Mascot
	2299.0781	2299.1904	0.1123	49	98	117	IHTGERPYACIQGKSFT CK		Carbamidomethyl (C)[10]	Mascot
18	PREDICTED: hypothetical protein LOC100149486 [Danio rerio]				gi 292615110	26189	6.17	7	38	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
889.5214	889.4744	-0.047	-53	101	108	LSLRASR					Mascot
938.5128	938.4402	-0.0726	-77	3	9	LYCLNKK			Carbamidomethyl (C)[3]		Mascot
1020.5472	1020.4731	-0.0741	-73	86	93	DKLDNIFR					Mascot
1465.7758	1465.6389	-0.1369	-93	105	118	SASRVPHPLASESK					Mascot
2200.1091	2200.0471	-0.062	-28	131	150	DSPQTLPSVDEESISLAQ RK					Mascot
3337.4265	3337.771	0.3445	103	24	52	YSEASPYFHTFPGDECQI GINFADEDEAK			Carbamidomethyl (C)[16]		Mascot
3338.6169	3338.781	0.1641	49	119	149	ATAFSTMSGQIRDSPQTL PSVDEESISLAQR			Oxidation (M)[7]		Mascot

19 novel protein similar to H.sapiens LYST, lysosomal trafficking regulator (LYST) [Danio rerio] gi|220675907 58282.5 6.38 10 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.5863	1045.5616	-0.0247	-24	308	316	CIVGYHILK					Mascot
1066.4543	1066.531	0.0767	72	259	267	AVELCDCEK			Carbamidomethyl (C)[5]		Mascot

1186.5786	1186.6233	0.0447	38	385	393	HPQQMFNIR	Oxidation (M)[5]	Mascot
1229.714	1229.6289	-0.0851	-69	351	360	LLSEILLDWK		Mascot
1234.5442	1234.6238	0.0796	64	1	10	ICIDPNDEMK	Carbamidomethyl (C)[2]	Mascot
1660.9128	1660.8108	-0.102	-61	201	216	GQAQSAVVSQRPFSAK		Mascot
1668.9003	1668.9299	0.0296	18	385	397	HPQQMFNIRQLLK	Oxidation (M)[5]	Mascot
1704.8447	1704.8705	0.0258	15	482	494	LYQEKVQSMMYLR	Oxidation (M)[9]	Mascot
2225.1052	2225.1223	0.0171	8	148	165	YVTQEGQLQCEQIRELLMR	Oxidation (M)[17]	Mascot
2225.1052	2225.1223	0.0171	8	148	165	YVTQEGQLQCEQIRELLMR	Oxidation (M)[17]	Mascot
2284.2847	2284.1775	-0.1072	-47	365	384	AQCGVWETLLTALEILIRV R		Mascot

20 kazrin [Danio rerio] gi|121583740 48879.4 6.17 10 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4451	850.541	0.0959	113	390	397	MSLGSLSR					Mascot
996.4852	996.595	0.1098	110	120	127	QMKDMLSK			Oxidation (M)[2]		Mascot
1117.5848	1117.5894	0.0046	4	240	249	EATEQATVLR					Mascot
1160.5542	1160.6064	0.0522	45	355	365	SSTPSDINSR	2	0			Mascot
1160.6157	1160.6064	-0.0093	-8	212	222	ESEDAVKALAK					Mascot
1457.7594	1457.8667	0.1073	74	148	159	VQLGEKEQEELER					Mascot
1701.8766	1701.9065	0.0299	18	12	27	IDGAIQSASQEVNLR					Mascot
2096.0803	2095.9583	-0.122	-58	106	122	EEVAQLQEEVHLLRQMK			Oxidation (M)[16]		Mascot
2283.0781	2283.1809	0.1028	45	333	354	ISPCHSRQPSIISDASAAD GDR					Mascot
2298.2161	2298.1904	-0.0257	-11	7	27	QLAQRIDGAIQSASQEV NLR					Mascot

21 PREDICTED: zinc finger protein 135-like [Danio rerio] gi|326667392 44003.3 8.87 12 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1020.5182	1020.4731	-0.0451	-44	234	241	DYLTIHMK					Mascot
1030.5284	1030.5852	0.0568	55	262	269	QCLKVHMR			Oxidation (M)[7]		Mascot
1045.6516	1045.5616	-0.09	-86	174	181	FRQIQILK					Mascot
1234.7631	1234.6238	-0.1393	-113	176	185	QIQILKNHIK					Mascot
1334.7362	1334.7791	0.0429	32	347	357	NLSQHMKLHVK					Mascot
1334.7362	1334.7791	0.0429	32	347	357	NLSQHMKLHVK					Mascot
1465.6177	1465.6389	0.0212	14	34	45	EESEELNETEEK					Mascot
1466.629	1466.6255	-0.0035	-2	104	116	SEEKPYPCPECGK					Mascot

	1466.629	1466.6255	-0.0035	-2	104	116	SEEKPYPCECGK										Mascot
	1668.7911	1668.9299	0.1388	83	285	297	SFTQKNNLNYHMR						Oxidation (M)[12]				Mascot
	1867.7585	1867.8486	0.0901	48	77	93	SDGNFTCSQGGMSFTQK						Carbamidomethyl (C)[7], Oxidation (M)[12]				Mascot
	2225.0842	2225.1223	0.0381	17	270	289	VHTGEKPYICAQCGKSFTQK										Mascot
	2225.0842	2225.1223	0.0381	17	270	289	VHTGEKPYICAQCGKSFTQK										Mascot
	2230.0679	2230.155	0.0871	39	266	284	VHMRVHTGEKPYICAQCGK						Carbamidomethyl (C)[14], Oxidation (M)[3]				Mascot
	2781.2654	2781.2424	-0.023	-8	290	312	NNLNYHMRTHTGEKPYTCSICGK						Carbamidomethyl (C)[18,21]				Mascot
22	hypothetical protein LOC561678 [Danio rerio]				gi 117606186		49821.8	5.68	8	37	0	7	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
911.5057	911.4162	-0.0895	-98	436	443	TLHSQGLR					Mascot
1186.65	1186.6233	-0.0267	-23	108	119	APLVLAMAEGAK			Oxidation (M)[7]		Mascot
1249.6549	1249.6261	-0.0288	-23	147	156	GHLRAWQPER	7	0			Mascot
1249.6549	1249.6261	-0.0288	-23	147	156	GHLRAWQPER					Mascot
1466.6959	1466.6255	-0.0704	-48	316	326	CFLFSVFPYMR			Carbamidomethyl (C)[1]		Mascot
1466.6959	1466.6255	-0.0704	-48	316	326	CFLFSVFPYMR			Carbamidomethyl (C)[1]		Mascot
1671.7982	1671.8973	0.0991	59	260	273	MLFSTKMHGESFTR					Mascot
2284.1833	2284.1775	-0.0058	-3	68	89	VFQGLHSIDPGVPLHPGDGVSR					Mascot
2299.0771	2299.1904	0.1133	49	375	394	ARPRCTTYGSPQLSADEDFK			Carbamidomethyl (C)[5]		Mascot
2300.137	2300.1809	0.0439	19	46	66	GLSLDMLQLTMGKMASESMIK			Oxidation (M)[6]		Mascot

23 mitochondrial uncoupling protein 3 [Danio rerio] gi|37681967 33714.6 10.02 8 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4385	850.541	0.1025	121	296	302	RAMMVSR					Mascot
996.4713	996.595	0.1237	124	297	304	AMMVSRNR			Oxidation (M)[2,3]		Mascot
1103.4939	1103.5824	0.0885	80	156	164	YNGTMQAYR					Mascot
1103.6207	1103.5824	-0.0383	-35	165	173	QIFQLEGLR					Mascot
1546.9203	1546.7795	-0.1408	-91	2	16	VGLKPSDVPPLTVK					Mascot
1546.9203	1546.7795	-0.1408	-91	2	16	VGLKPSDVPPLTVK					Mascot
1825.9629	1826.0262	0.0633	35	88	103	QMAFASIRIGLYDNVK					Mascot
2180.0759	2180.1082	0.0323	15	119	140	ILAGCTTGAMAVSMAQPTDVVK			Oxidation (M)[10]		Mascot

2211.17022211.1074-0.0628-287695SLYNGLVAGLQRQMAFA
SIR

Oxidation (M)[14]

Mascot

24peripherin [Danio rerio]gi|1885924150672.25.49360150

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1030.5024	1030.5852	0.0828	80	289	296	QDNNDLRR						Mascot
1045.5095	1045.5616	0.0521	50	346	353	HLKEEMSR				Oxidation (M)[6]		Mascot
1103.5691	1103.5824	0.0133	12	181	190	KDVDDATLAR	15		0			Mascot
1103.5691	1103.5824	0.0133	12	181	190	KDVDDATLAR						Mascot
1249.5664	1249.6261	0.0597	48	119	128	LGDLCCQEMR				Carbamidomethyl (C)[5]		Mascot
1249.5664	1249.6261	0.0597	48	119	128	LGDLCCQEMR				Carbamidomethyl (C)[5]		Mascot
1334.6844	1334.7791	0.0947	71	310	320	STNEALLRQMR				Oxidation (M)[10]		Mascot
1334.6844	1334.7791	0.0947	71	310	320	STNEALLRQMR				Oxidation (M)[10]		Mascot
1396.7067	1396.7544	0.0477	34	246	257	DIRSQYESIASK						Mascot
1439.7562	1439.8033	0.0471	33	366	377	MALDIEIATYRK				Oxidation (M)[1]		Mascot
1466.7448	1466.6255	-0.1193	-81	197	208	IESLMDEIEFLK						Mascot
1466.7448	1466.6255	-0.1193	-81	197	208	IESLMDEIEFLK						Mascot
2233.0083	2233.0901	0.0818	37	110	128	EQQQGPSGRLGDLCQQ EMR				Carbamidomethyl (C)[14], Oxidation (M)[18]		Mascot

25Prph protein [Danio rerio]gi|6310133051452.65.369360150

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1030.5024	1030.5852	0.0828	80	289	296	QDNNDLRR						Mascot
1045.5095	1045.5616	0.0521	50	346	353	HLKEEMSR				Oxidation (M)[6]		Mascot
1103.5691	1103.5824	0.0133	12	181	190	KDVDDATLAR	15		0			Mascot
1103.5691	1103.5824	0.0133	12	181	190	KDVDDATLAR						Mascot
1249.5664	1249.6261	0.0597	48	119	128	LGDLCCQEMR				Carbamidomethyl (C)[5]		Mascot
1249.5664	1249.6261	0.0597	48	119	128	LGDLCCQEMR				Carbamidomethyl (C)[5]		Mascot
1334.6844	1334.7791	0.0947	71	310	320	STNEALLRQMR				Oxidation (M)[10]		Mascot
1334.6844	1334.7791	0.0947	71	310	320	STNEALLRQMR				Oxidation (M)[10]		Mascot
1396.7067	1396.7544	0.0477	34	246	257	DIRSQYESIASK						Mascot
1439.7562	1439.8033	0.0471	33	366	377	MALDIEIATYRK				Oxidation (M)[1]		Mascot
1466.7448	1466.6255	-0.1193	-81	197	208	IESLMDEIEFLK						Mascot
1466.7448	1466.6255	-0.1193	-81	197	208	IESLMDEIEFLK						Mascot
2233.0083	2233.0901	0.0818	37	110	128	EQQQGPSGRLGDLCQQ				Carbamidomethyl (C)[14], Oxidation (M)[18]		Mascot

26 hypothetical protein LOC560276 [Danio rerio] EMR gi|190194246 82767.4 9.32 14 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1103.4972	1103.5824	0.0852	77	543	551	LHLCSECGK			Carbamidomethyl (C)[4,7]		Mascot
1103.4972	1103.5824	0.0852	77	543	551	LHLCSECGK			Carbamidomethyl (C)[4,7]		Mascot
1313.6631	1313.7051	0.042	32	190	200	HTLNCQNVTVK			Carbamidomethyl (C)[5]		Mascot
1334.6232	1334.7791	0.1559	117	625	635	EKPYPSPVCGK			Carbamidomethyl (C)[6,9]		Mascot
1334.6232	1334.7791	0.1559	117	625	635	EKPYPSPVCGK			Carbamidomethyl (C)[6,9]		Mascot
1396.6559	1396.7544	0.0985	71	54	67	ATAVNSLTCTQCGK					Mascot
1660.757	1660.8108	0.0538	32	496	510	VHTGEKPYPCNACGK			Carbamidomethyl (C)[10]		Mascot
1701.8264	1701.9065	0.0801	47	407	420	KAHEMIHTGEELYK			Oxidation (M)[5]		Mascot
1704.7944	1704.8705	0.0761	45	468	481	THTGEKPFPCSRCK			Carbamidomethyl (C)[10,13]		Mascot
1817.7946	1817.8693	0.0747	41	283	297	IHTEEKPYQCSHCDK					Mascot
1817.7946	1817.8693	0.0747	41	283	297	IHTEEKPYQCSHCDK					Mascot
2082.9597	2083.0981	0.1384	66	493	510	HERVHTGEKPYPCNACGK			Carbamidomethyl (C)[13]		Mascot
2082.9597	2083.0981	0.1384	66	493	510	HERVHTGEKPYPCNACGK			Carbamidomethyl (C)[13]		Mascot
2096.1077	2095.9583	-0.1494	-71	376	392	YHLIFHLKIHSGENPYK					Mascot
2229.9839	2230.155	0.1711	77	408	426	AHEMIHTGEELYKCSHCNK					Mascot
2283.0315	2283.1809	0.1494	65	532	551	MDNHSIHTTEKLHLCSECGK					Mascot
2299.093	2299.1904	0.0974	42	105	123	SHIRLHTGEKPHQCCHSK			Carbamidomethyl (C)[14,17]		Mascot
3337.4241	3337.771	0.3469	104	580	607	SFRYSSQLNEHMMTHTEGKPHCEDQCGK			Carbamidomethyl (C)[23]		Mascot

27 RecName: Full=TLN domain-containing protein KIAA1609 homolog gi|123888881 49916.8 5.6 9 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
911.5057	911.4162	-0.0895	-98	436	443	TLHSQGLR					Mascot
1186.65	1186.6233	-0.0267	-23	108	119	APLVLAMAEGAK			Oxidation (M)[7]		Mascot
1466.6959	1466.6255	-0.0704	-48	316	326	CFLFSVFPYMR			Carbamidomethyl (C)[1]		Mascot
1466.6959	1466.6255	-0.0704	-48	316	326	CFLFSVFPYMR			Carbamidomethyl (C)[1]		Mascot
1654.7754	1654.8368	0.0614	37	151	165	AWHPERMGDGAQGVK			Oxidation (M)[7]		Mascot
1671.7982	1671.8973	0.0991	59	260	273	MLFSTKMHGESFTR					Mascot
2284.1833	2284.1775	-0.0058	-3	68	89	VFQGLHSIDPGVPLHPGD					Mascot

2299.0771	2299.1904	0.1133	49	375	394	GVSRR ARPRCTTYGSPQLSADE DFK	Carbamidomethyl (C)[5]	Mascot
2300.137	2300.1809	0.0439	19	46	66	GLSLDMLQLTMGMASE SMIK	Oxidation (M)[6]	Mascot
3337.6079	3337.771	0.1631	49	166	194	LLAEQLTSELKPSDQNSC DIACLEDWLFR		Mascot

28 PREDICTED: apolipoprotein B-100 [Danio rerio] gi|326675669 478034.2 5.42 31 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
938.4434	938.4402	-0.0032	-3	497	504	SSVLNCMK			Carbamidomethyl (C)[6]		Mascot
1020.4843	1020.4731	-0.0112	-11	1161	1169	SDINSEVEK					Mascot
1045.5823	1045.5616	-0.0207	-20	2442	2450	IAEVCARNIK					Mascot
1051.5756	1051.7113	0.1357	129	3778	3785	HDLRQNLRL					Mascot
1103.6055	1103.5824	-0.0231	-21	3166	3176	GKLDGSATINK					Mascot
1103.6055	1103.5824	-0.0231	-21	3166	3176	GKLDGSATINK					Mascot
1117.6212	1117.5894	-0.0318	-28	1059	1069	LAVTDTNAGK					Mascot
1229.6049	1229.6289	0.024	20	2335	2344	SIQFEYISDK					Mascot
1234.5192	1234.6238	0.1046	85	245	254	HMTEAQCTEK			Carbamidomethyl (C)[7]		Mascot
1249.6534	1249.6261	-0.0273	-22	1218	1229	IAAGSSFVDVQR					Mascot
1249.6674	1249.6261	-0.0413	-33	298	307	KLFIEEVEDK					Mascot
1313.8191	1313.7051	-0.114	-87	1901	1912	FLLKAEPLAIK					Mascot
1331.7682	1331.6315	-0.1367	-103	2289	2299	VYLNAQELILR					Mascot
1362.614	1362.6376	0.0236	17	244	254	KHMTEAQCTEK			Carbamidomethyl (C)[8]		Mascot
1390.7181	1390.7136	-0.0045	-3	4155	4166	EAGNLEVMMKIR					Mascot
1396.6083	1396.7544	0.1461	105	351	363	NETLSGAADMMK					Mascot
1439.7273	1439.8033	0.076	53	1360	1372	IMASCLTPLSYK			Oxidation (M)[2]		Mascot
1457.6954	1457.8667	0.1713	118	3771	3781	DMNINWKHDLR			Oxidation (M)[2]		Mascot
1654.7781	1654.8368	0.0587	35	605	619	AVQGDVSFPMDFTK			Oxidation (M)[11]		Mascot
1660.7887	1660.8108	0.0221	13	1838	1852	FDLDFAGLSSVMNTK			Oxidation (M)[12]		Mascot
1668.8512	1668.9299	0.0787	47	3450	3464	VEMSESEVGKVAFLK			Oxidation (M)[3]		Mascot
1671.7716	1671.8973	0.1257	75	4185	4198	GVVQELYNQMSMEK			Oxidation (M)[10]		Mascot
1701.917	1701.9065	-0.0105	-6	745	759	LEQVEDAPKGLAYLR					Mascot
1826.0269	1826.0262	-0.0007	0	1017	1034	IVLKAEGAEPTEATAVVK					Mascot
2180.019	2180.1082	0.0892	41	2811	2829	NGISAYMDTSYNNHNLNIP R					Mascot
2200.0227	2200.0471	0.0244	11	1161	1178	SDINSEVEKLFPNMEEYR					Mascot
2211.1113	2211.1074	-0.0039	-2	770	788	TSDLKHVTQYINLCAETF K					Mascot

	2230.1172	2230.155	0.0378	17	2610	2628	VRQIEMPEVDPEAIFGDL R		Oxidation (M)[6]	Mascot
	2284.1416	2284.1775	0.0359	16	2731	2750	SSLEFLDYTLDAMLQIEA PK			Mascot
	2299.1572	2299.1904	0.0332	14	1720	1738	SECMQTLNITLWTLAFRS K		Carbamidomethyl (C)[3]	Mascot
	2300.1367	2300.1809	0.0442	19	2731	2750	SSLEFLDYTLDAMLQIEA PK		Oxidation (M)[13]	Mascot
	2357.2234	2357.2214	-0.002	-1	2067	2086	LDEFPPQKVNDIIVDLLEN K			Mascot
	2357.2234	2357.2214	-0.002	-1	2067	2086	LDEFPPQKVNDIIVDLLEN K			Mascot
	3337.7654	3337.771	0.0056	2	3516	3544	LFENGVSFNIPQITFGVP DLFKTIPQMIR		Oxidation (M)[27]	Mascot

29

hypothetical protein LOC100158475 [Xenopus (Silurana) tropicalis]

gi|189230126

62824.3

7.62

10

35

0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1103.5844	1103.5824	-0.002	-2	402	411	GLTGHQLSYK				Mascot
1103.5844	1103.5824	-0.002	-2	402	411	GLTGHQLSYK				Mascot
1362.774	1362.6376	-0.1364	-100	197	207	FDRQLLQTLTK				Mascot
1439.71	1439.8033	0.0933	65	464	475	KAHMLSFSEYAR				Mascot
1457.8322	1457.8667	0.0345	24	551	563	NLVLVAVKSEETR				Mascot
1465.8162	1465.6389	-0.1773	-121	527	538	IIFLQERGFQSK				Mascot
1660.9534	1660.8108	-0.1426	-86	74	87	RYSSVWPLSLLALR				Mascot
1668.8262	1668.9299	0.1037	62	266	279	VEDLHLEPLSCQTK			Carbamidomethyl (C)[11]	Mascot
1895.9644	1895.9923	0.0279	15	264	279	QRVEDLHLEPLSCQTK				Mascot
2283.0178	2283.1809	0.1631	71	343	362	HFTNCPHVNVITSVACCY MK			Oxidation (M)[19]	Mascot
2300.1704	2300.1809	0.0105	5	321	342	DPGSFVLTGLHACGDLS ATLLR			Carbamidomethyl (C)[13]	Mascot

30

PREDICTED: hypothetical protein LOC100331119 [Danio rerio]

gi|326666989

28513.6

5.24

7

35

0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
850.4637	850.541	0.0773	91	182	188	LICKMAR			Oxidation (M)[5]	Mascot
1030.6003	1030.5852	-0.0151	-15	37	45	GSRTDLLLR				Mascot
1249.6576	1249.6261	-0.0315	-25	160	169	EEFWSLGLLR				Mascot
1249.6576	1249.6261	-0.0315	-25	160	169	EEFWSLGLLR				Mascot
1457.8322	1457.8667	0.0345	24	40	51	TDLLRLSEEIR				Mascot
1825.9177	1826.0262	0.1085	59	207	223	ETPNNIVTGLPEDADLK				Mascot

		1895.8635	1895.9923	0.1288	68	170	185	DMDFHIGNACMKLICK		Carbamidomethyl (C)[10]		Mascot		
		2148.127	2148.0391	-0.0879	-41	152	169	EGQVCLIREEFWSLGLLR				Mascot		
31	CHMP family, member 7 [Danio rerio]					gi 44890520		50916.2	5.28	6	35	0	19	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4165	850.541	0.1245	146	214	221	FSQAGQGR						Mascot
1160.6422	1160.6064	-0.0358	-31	124	134	WTLSALLGSGR						Mascot
1160.6422	1160.6064	-0.0358	-31	124	134	WTLSALLGSGR	19		0			Mascot
1234.679	1234.6238	-0.0552	-45	149	159	EKAAELLAAYR						Mascot
1313.6517	1313.7051	0.0534	41	246	257	VEALGHEAEKCK						Mascot
1390.7689	1390.7136	-0.0553	-40	286	297	ADRLFAQLETVK						Mascot
1867.8425	1867.8486	0.0061	3	58	73	CGSVCVNQLDLNENFR				Carbamidomethyl (C)[1]		Mascot

32	novel protein (zgc:153679) [Danio rerio]					gi 169158661		35687	8.38	8	35	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1038.4963	1038.504	0.0077	7	20	28	SGYEAER						Mascot
1103.4714	1103.5824	0.111	101	239	247	SSMPDFYEK						Mascot
1103.4714	1103.5824	0.111	101	239	247	SSMPDFYEK						Mascot
1234.6313	1234.6238	-0.0075	-6	183	192	LNVEDLQFEK						Mascot
1334.7347	1334.7791	0.0444	33	170	182	VITVSSGGMLVQK				Oxidation (M)[9]		Mascot
1334.7347	1334.7791	0.0444	33	170	182	VITVSSGGMLVQK				Oxidation (M)[9]		Mascot
1362.6068	1362.6376	0.0308	23	239	249	SSMPDFYEKMK						Mascot
1390.6962	1390.7136	0.0174	13	29	41	FTPADLDVSVNGR						Mascot
1546.7972	1546.7795	-0.0177	-11	28	41	RFTPADLDVSVNGR						Mascot
1546.7972	1546.7795	-0.0177	-11	28	41	RFTPADLDVSVNGR						Mascot
1701.8079	1701.9065	0.0986	58	13	27	GLQEYTKSGYEAER						Mascot

33	CHMP family, member 7 [Danio rerio]					gi 94732918		50934.2	5.28	6	34	0	19	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4165	850.541	0.1245	146	214	221	FSQAGQGR						Mascot
1160.6422	1160.6064	-0.0358	-31	124	134	WTLSALLGSGR						Mascot

	1160.6422	1160.6064	-0.0358	-31	124	134	WTLSALLGSGR	19	0					Mascot
	1234.679	1234.6238	-0.0552	-45	149	159	EKAAELLAAYR							Mascot
	1313.6517	1313.7051	0.0534	41	246	257	VEALGHEAEKCK							Mascot
	1390.7689	1390.7136	-0.0553	-40	286	297	ADRLFAQLETVK							Mascot
	1867.8425	1867.8486	0.0061	3	58	73	CGSVCVNLQDLNENFR				Carbamidomethyl (C)[1]			Mascot

34 3-hydroxyisobutyryl-Coenzyme A hydrolase [Danio rerio] gi|169154367 42386 8.5 3 34 0 27 43.622

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1117.6099	1117.5894	-0.0205	-18	76	85	NSETDVVIK					Mascot
1229.7035	1229.6289	-0.0746	-61	54	64	ALNALTLMIR					Mascot
1546.8112	1546.7795	-0.0317	-20	73	85	WDKNSETDVVIK	27	43.622			Mascot
1546.8112	1546.7795	-0.0317	-20	73	85	WDKNSETDVVIK					Mascot

35 PREDICTED: transposon TX1 uncharacterized 149 kDa protein-like [Danio rerio] gi|326678662 152395.3 9.05 18 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
889.4559	889.4744	0.0185	21	502	509	GSLPLSCR			Carbamidomethyl (C)[7]		Mascot
911.4985	911.4162	-0.0823	-90	214	220	FQINYVK					Mascot
1030.6078	1030.5852	-0.0226	-22	293	300	IQIKQLCK			Carbamidomethyl (C)[7]		Mascot
1045.5571	1045.5616	0.0045	4	502	510	GSLPLSCRR			Carbamidomethyl (C)[7]		Mascot
1103.5264	1103.5824	0.056	51	21	28	MCLFEFIK			Carbamidomethyl (C)[2], Oxidation (M)[1]		Mascot
1103.5264	1103.5824	0.056	51	21	28	MCLFEFIK			Carbamidomethyl (C)[2], Oxidation (M)[1]		Mascot
1117.6727	1117.5894	-0.0833	-75	1207	1216	NGKNIVVVK					Mascot
1165.6365	1165.7456	0.1091	94	793	801	WLLSQLSYR					Mascot
1186.6111	1186.6233	0.0122	10	20	28	RMCLFEFIK					Mascot
1249.6721	1249.6261	-0.046	-37	713	722	RLECIINNFK					Mascot
1249.6721	1249.6261	-0.046	-37	713	722	RLECIINNFK					Mascot
1334.6481	1334.7791	0.131	98	198	208	DNQISMARLDR			Oxidation (M)[6]		Mascot
1334.6481	1334.7791	0.131	98	198	208	DNQISMARLDR			Oxidation (M)[6]		Mascot
1362.6619	1362.6376	-0.0243	-18	21	30	MCLFEFIKMK			Carbamidomethyl (C)[2], Oxidation (M)[1]		Mascot
1654.8542	1654.8368	-0.0174	-11	626	639	MIEVMYSNIQSVLK					Mascot
1704.7113	1704.8705	0.1592	93	1132	1143	ETICHCFMYCKR			Carbamidomethyl (C)[4,6,10]		Mascot
2053.0864	2052.9951	-0.0913	-44	1267	1285	AVWTQSELWAPPAALVS					Mascot

	2083.0317	2083.0981	0.0664	32	410	426	YAVNFYSSLYKCEVLQR											Mascot
	2083.0317	2083.0981	0.0664	32	410	426	YAVNFYSSLYKCEVLQR											Mascot
	2284.2588	2284.1775	-0.0813	-36	482	501	VLWVPVIGEDLFLVLNDSL NK											Mascot
	2299.0999	2299.1904	0.0905	39	279	296	QMYSSLQQWWDGKIQI K						Carbamidomethyl (C)[12]					Mascot
	3337.4465	3337.771	0.3245	97	440	468	VDDSNAMLELPISQDEL YTVMMSMENGK						Oxidation (M)[8,22,23]					Mascot
36	hypothetical protein LOC553448 [Danio rerio]					gi 224496090	145429.2	8.16	15	34	0							

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	850.4781	850.541	0.0629	74	369	377	AAPPAPAQK						Mascot	
	889.4672	889.4744	0.0072	8	686	692	LRQDCVR						Mascot	
	1103.5579	1103.5824	0.0245	22	743	751	LEEVSEELR						Mascot	
	1103.5579	1103.5824	0.0245	22	743	751	LEEVSEELR						Mascot	
	1160.5906	1160.6064	0.0158	14	1302	1311	NSQDQLAKEK						Mascot	
	1160.5906	1160.6064	0.0158	14	1302	1311	NSQDQLAKEK						Mascot	
	1234.646	1234.6238	-0.0222	-18	779	789	ARVASVEVEMK				Oxidation (M)[10]		Mascot	
	1249.5695	1249.6261	0.0566	45	1084	1093	SVEEEESVWR						Mascot	
	1249.5695	1249.6261	0.0566	45	1084	1093	SVEEEESVWR						Mascot	
	1331.6802	1331.6315	-0.0487	-37	1109	1119	KVQELEETAER						Mascot	
	1466.84	1466.6255	-0.2145	-146	449	462	KVPVMAVPPVGTQK				Oxidation (M)[5]		Mascot	
	1466.84	1466.6255	-0.2145	-146	449	462	KVPVMAVPPVGTQK				Oxidation (M)[5]		Mascot	
	1654.9235	1654.8368	-0.0867	-52	1296	1309	LQQLLRNSQDQLAK						Mascot	
	1660.8435	1660.8108	-0.0327	-20	718	732	AASVEKQLNQMQASR						Mascot	
	1817.8988	1817.8693	-0.0295	-16	743	757	LEEVSEELRQTQSNR						Mascot	
	1817.8988	1817.8693	-0.0295	-16	743	757	LEEVSEELRQTQSNR						Mascot	
	2225.1521	2225.1223	-0.0298	-13	758	778	NNLQAQLEQAQKDAAAL AEAK						Mascot	
	2225.1521	2225.1223	-0.0298	-13	758	778	NNLQAQLEQAQKDAAAL AEAK						Mascot	
	2230.2991	2230.155	-0.1441	-65	450	472	VPVMAVPPVGTQKAAAV TAVPVK						Mascot	
	2233.1743	2233.0901	-0.0842	-38	954	972	ISEKESLMTTLQQEVQQL K						Mascot	
	2271.9968	2272.116	0.1192	52	1050	1068	LQAAQESQCTLQSECEQ YR				Carbamidomethyl (C)[9]		Mascot	

37	protein Wnt-10a precursor [Danio rerio]					gi 229577306	50082.4	8.71	11	34	0							
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	%	Modification	Rank	Result	Type
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			Seq.	Seq.	Score						
	911.3345	911.4162	0.0817	90	40	46	QESCCER	Carbamidomethyl (C)[4]	Mascot		
	938.3818	938.4402	0.0584	62	193	200	ACGCDEKR	Carbamidomethyl (C)[2]	Mascot		
	1066.5752	1066.531	-0.0442	-41	405	413	GHNILQQTR		Mascot		
	1234.5303	1234.6238	0.0935	76	299	309	CHGTSGSCQLK	Carbamidomethyl (C)[1,8]	Mascot		
	1465.6344	1465.6389	0.0045	3	297	309	CKCHGTSGSCQLK	Carbamidomethyl (C)[1,3]	Mascot		
	1660.6183	1660.8108	0.1925	116	390	404	TSQGMDCNCSLCCGR	Carbamidomethyl (C)[8]	Mascot		
	2082.9153	2083.0981	0.1828	88	31	46	GCWTDLLLRQESCCER	Carbamidomethyl (C)[2,13,14]	Mascot		
	2082.9153	2083.0981	0.1828	88	31	46	GCWTDLLLRQESCCER	Carbamidomethyl (C)[2,13,14]	Mascot		
	2232.8923	2233.0901	0.1978	89	386	404	ICNKTSQGMDCNCSLCCGR	Carbamidomethyl (C)[2,12,16]	Mascot		
	2409.1689	2409.2122	0.0433	18	166	190	ESAFAYAIAAGVVHAVSNACAMGK		Mascot		
	2781.1919	2781.2424	0.0505	18	390	413	TSQGMDCNCSLCCGRGHNILQQTR	Carbamidomethyl (C)[8,12], Oxidation (M)[5]	Mascot		
	3337.8076	3337.771	-0.0366	-11	76	106	ADSNEILGLKIPFDPILNANTVCLTLPGLTK	Carbamidomethyl (C)[23]	Mascot		
38	PREDICTED: hypothetical protein LOC100536892 [Danio rerio]				gi 326671896		43482.3	5.72	8	34	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.4744	996.595	0.1206	121	132	139	QSSFDER					Mascot
1066.6506	1066.531	-0.1196	-112	10	19	VLPELPGTLK					Mascot
1103.5878	1103.5824	-0.0054	-5	377	385	DCLRGELLK			Carbamidomethyl (C)[2]		Mascot
1103.5878	1103.5824	-0.0054	-5	377	385	DCLRGELLK			Carbamidomethyl (C)[2]		Mascot
1160.5291	1160.6064	0.0773	67	143	152	NVTQNEENGR					Mascot
1160.5291	1160.6064	0.0773	67	143	152	NVTQNEENGR	0	0			Mascot
1249.6093	1249.6261	0.0168	13	330	340	KSQEAMAELDK					Mascot
1249.6093	1249.6261	0.0168	13	330	340	KSQEAMAELDK					Mascot
1390.7325	1390.7136	-0.0189	-14	117	128	EQDPKHLPALDK					Mascot
1654.7239	1654.8368	0.1129	68	353	366	DDEHQPMGNQSLR					Mascot
1825.8711	1826.0262	0.1551	85	313	328	SIFQSLDSEAPMLPMK			Oxidation (M)[12,15]		Mascot

39 PREDICTED: protein OSCP1-like isoform 1 [Danio rerio] gi|292630199 42867.9 6.15 5 34 0 18 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	1103.5228	1103.5824	0.0596	54	223	232	DGGNYHTALR	18	0		Mascot
	1103.5228	1103.5824	0.0596	54	223	232	DGGNYHTALR				Mascot
	1117.5848	1117.5894	0.0046	4	342	351	DKQTNAELAK				Mascot
	1546.7595	1546.7795	0.02	13	128	141	DTPSILSQVDETNIK				Mascot
	1546.7595	1546.7795	0.02	13	128	141	DTPSILSQVDETNIK				Mascot
	1817.8997	1817.8693	-0.0304	-17	74	89	LAHASIMRLNQASMDK			Oxidation (M)[7,14]	Mascot
	1817.8997	1817.8693	-0.0304	-17	74	89	LAHASIMRLNQASMDK			Oxidation (M)[7,14]	Mascot
	2298.0852	2298.1904	0.1052	46	246	266	LGTMYSVSRPVETHMSGTSK			Oxidation (M)[5]	Mascot
40	alpha-2,8-sialyltransferase [Danio rerio]				gi 64966496		32207.6	9.53	7	33	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
938.4981	938.4402	-0.0579	-62	32	39	DFIFTAPK						Mascot
1066.5931	1066.531	-0.0621	-58	31	39	KDFIFTAPK						Mascot
1234.6466	1234.6238	-0.0228	-18	254	263	TLVDFFVEHK						Mascot
1396.679	1396.7544	0.0754	54	184	194	CNFAPEVFR				Carbamidomethyl (C)[1]		Mascot
1660.9056	1660.8108	-0.0948	-57	254	267	TLVDFFVEHKGQLK						Mascot
1817.8649	1817.8693	0.0044	2	48	62	MYMFHAGFRSQLAMK						Mascot
1817.8649	1817.8693	0.0044	2	48	62	MYMFHAGFRSQLAMK						Mascot
1867.9442	1867.8486	-0.0956	-51	153	170	RYNTCAVVGNSGILTGSR						Mascot

41	PREDICTED: protein OSCP1-like isoform 2 [Danio rerio]				gi 326680885		44166.5	5.98	5	33	0	18	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1103.5228	1103.5824	0.0596	54	233	242	DGGNYHTALR	18	0				Mascot
1103.5228	1103.5824	0.0596	54	233	242	DGGNYHTALR						Mascot
1117.5848	1117.5894	0.0046	4	352	361	DKQTNAELAK						Mascot
1546.7595	1546.7795	0.02	13	138	151	DTPSILSQVDETNIK						Mascot
1546.7595	1546.7795	0.02	13	138	151	DTPSILSQVDETNIK						Mascot
1817.8997	1817.8693	-0.0304	-17	84	99	LAHASIMRLNQASMDK				Oxidation (M)[7,14]		Mascot
1817.8997	1817.8693	-0.0304	-17	84	99	LAHASIMRLNQASMDK				Oxidation (M)[7,14]		Mascot
2298.0852	2298.1904	0.1052	46	256	276	LGTMYSVSRPVETHMSGTSK				Oxidation (M)[5]		Mascot

42	RecName: Full=SH3 domain-binding protein 4-A				gi 123888628		108383	7.89	14	33	0
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Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
842.5822	842.5087	-0.0735	-87	663	669 LIKTVIR					Mascot
850.4338	850.541	0.1072	126	387	393 LSNMEIK			Oxidation (M)[4]		Mascot
1045.4796	1045.5616	0.082	78	791	799 AELDSEPER					Mascot
1334.6443	1334.7791	0.1348	101	408	419 TESPMAEIVCVR					Mascot
1334.6443	1334.7791	0.1348	101	408	419 TESPMAEIVCVR					Mascot
1357.6932	1357.7211	0.0279	21	492	504 TVVAIFGHDCAPK					Mascot
1362.6835	1362.6376	-0.0459	-34	762	772 TILMENLGNWR			Oxidation (M)[4]		Mascot
1396.6447	1396.7544	0.1097	79	807	817 LKEDCLNMETK			Carbamidomethyl (C)[5], Oxidation (M)[8]		Mascot
1671.806	1671.8973	0.0913	55	461	474 HVSFSSNVWNHMK					Mascot
2053.0906	2052.9951	-0.0955	-47	703	719 EWYIGYYQGKIGLVHVK					Mascot
2230.2417	2230.155	-0.0867	-39	842	860 LIMDFVLLTTAVEVAPRW R					Mascot
2284.2368	2284.1775	-0.0593	-26	492	513 TVVAIFGHDCAPKTLVLS EVGK					Mascot
2300.0686	2300.1809	0.1123	49	597	616 DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5]		Mascot
2357.0901	2357.2214	0.1313	56	597	616 DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5,11]		Mascot
2357.0901	2357.2214	0.1313	56	597	616 DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5,11]		Mascot
3337.6052	3337.771	0.1658	50	298	327 LARSCHDLESLGQNPGW GQTQPVETNIVCK			Carbamidomethyl (C)[5]		Mascot
3338.5496	3338.781	0.2314	69	885	913 TGMVDSEAMWKPAYDFL LTWAAQIGDSYR			Oxidation (M)[3]		Mascot
43	novel protein [Danio rerio]			gi 94733369		31827.3	8.15	9	33	0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
938.4941	938.4402	-0.0539	-57	96	103	SFSQQLTK					Mascot
996.5294	996.595	0.0656	66	263	271	SFMKAAGLR			Oxidation (M)[3]		Mascot
1020.5255	1020.4731	-0.0524	-51	87	95	GLTRTQCGK			Carbamidomethyl (C)[7]		Mascot
1234.683	1234.6238	-0.0592	-48	123	132	TFLWPSDLKK					Mascot
1466.5886	1466.6255	0.0369	25	23	34	DSEKMSDPEPCR	1	0	Carbamidomethyl (C)[11], Oxidation (M)[5]		Mascot
1466.5886	1466.6255	0.0369	25	23	34	DSEKMSDPEPCR			Carbamidomethyl (C)[11], Oxidation (M)[5]		Mascot
1825.803	1826.0262	0.2232	122	163	178	MTHTGKPFCTCTQCGK			Carbamidomethyl (C)[11]		Mascot
2147.9597	2148.0391	0.0794	37	133	150	HLRDHTEKPYSCSECG K			Carbamidomethyl (C)[13]		Mascot
2200.0134	2200.0471	0.0337	15	217	234	HLRVHANERPYSCECG K			Carbamidomethyl (C)[13,16]		Mascot
2210.8821	2211.1074	0.2253	102	104	122	LDMMSPTGERSYSCDQC			Carbamidomethyl (C)[14], Oxidation (M)[3]		Mascot

	2283.8984	2284.1775	0.2791	122	104	122	SK LDMMSPTGERSYSCDQC SK						Carbamidomethyl (C)[14,17], Oxidation (M)[3,4]	Mascot
44	sia-alpha-2,3-Gal-beta-1,4-GlcNAc-R:alpha 2,8-sialyltransferase [Danio rerio]				gi 164663766		42966.1	9.55	8	33	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
938.4981	938.4402	-0.0579	-62	31	38	DFIFTAPK					Mascot
1066.5931	1066.531	-0.0621	-58	30	38	KDFIFTAPK					Mascot
1234.6466	1234.6238	-0.0228	-18	253	262	TLVDFFVEHK					Mascot
1396.679	1396.7544	0.0754	54	183	193	CNFAPTEVFRR			Carbamidomethyl (C)[1]		Mascot
1654.804	1654.8368	0.0328	20	360	374	MHADGVLKLSLHCA			Carbamidomethyl (C)[14], Oxidation (M)[1]		Mascot
1660.9056	1660.8108	-0.0948	-57	253	266	TLVDFFVEHKGQLK					Mascot
1817.8649	1817.8693	0.0044	2	47	61	MYMFHAGFRSQLAMK					Mascot
1817.8649	1817.8693	0.0044	2	47	61	MYMFHAGFRSQLAMK					Mascot
1867.9442	1867.8486	-0.0956	-51	152	169	RYNTCAVVGNSGILTGSR					Mascot

45	PREDICTED: obscurin-like [Danio rerio]				gi 326669099		67040.2	6.58	1		23	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1546.8071	1546.7795	-0.0276	-18	254	269	SDISAAATLTVSASPR	23	0		3	Mascot

46	hypothetical protein LOC100149646 [Danio rerio]				gi 190358449		66833.8	7.57	1		20	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1103.6055	1103.5824	-0.0231	-21	112	121	DSNINTIKAK	20	0		2	Mascot

47	hypothetical protein LOC550387 [Danio rerio]				gi 62955361		38710.2	5.35	1		18	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1103.5626	1103.5824	0.0198	18	89	97	NNIQIAMQR	18	0	Oxidation (M)[7]	4	Mascot

48	PREDICTED: c2 domain-containing protein 3 [Danio rerio]				gi 326674118		237236.5	5.64	1		18	0
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1334.7903	1334.7791	-0.0112	-8	949	960 LLNLSLAHQGLR	18	0		2	Mascot
49	HEAT repeat-containing protein 1 [Danio rerio]				gi 41054019	241893.5	5.94	1	17	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1160.6093	1160.6064	-0.0029	-2	1799	1808 LTSCPQLSVR	17	0	Carbamidomethyl (C)[4]	3	Mascot
50	Fras1 related extracellular matrix protein 2b [Danio rerio]				gi 212549688	347485.6	4.71	1	17	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1160.6633	1160.6064	-0.0569	-49	2227	2237 TGDISKVSVVR	17	0		4	Mascot

Gel Idx/Pos	220/I20	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	RecName: Full=Serine/arginine-rich splicing factor 1A; AltName: Full=Splicing factor, arginine/seri	gi 269849649	28366	10.3	11	358	100	284	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	916.5363	916.5383	0.002	2	83	89 LRVEFPR					Mascot
	916.5363	916.5383	0.002	2	83	89 LRVEFPR	24	0			Mascot
	1078.5527	1078.5513	-0.0014	-1	164	173 DGTGVVEFVR					Mascot
	1123.4327	1123.434	0.0013	1	74	82 DGYDYDGYR					Mascot
	1162.5487	1162.5522	0.0035	3	191	200 SHEGETAYIR					Mascot
	1256.6997	1256.7015	0.0018	1	17	27 IYVGNLPPDIR					Mascot
	1256.6997	1256.7015	0.0018	1	17	27 IYVGNLPPDIR	84	100			Mascot
	1401.6104	1401.6125	0.0021	1	152	163 EAGDVCYADVFR	105	100	Carbamidomethyl (C)[6]		Mascot
	1401.6104	1401.6125	0.0021	1	152	163 EAGDVCYADVFR			Carbamidomethyl (C)[6]		Mascot
	1516.6635	1516.6671	0.0036	2	97	118 GGFGGGGGGGGGGG GGGGAPR					Mascot
	1564.743	1564.7472	0.0042	3	51	64 GGPPFAFVEFEDPR					Mascot

	1682.9111	1682.9154	0.0043	3	132	147	VIVSGLPPSGSWQDLK									Mascot
	2238.1335	2238.103	-0.0305	-14	132	151	VIVSGLPPSGSWQDLKD HMR					Oxidation (M)[19]				Mascot
	2555.1836	2555.1926	0.009	4	51	73	GGPPFAFVEFEDPRDAE DAVYAR									Mascot
	2555.1836	2555.1926	0.009	4	51	73	GGPPFAFVEFEDPRDAE DAVYAR	71	99.997							Mascot
2	serine/arginine-rich splicing factor 1A [Danio rerio]					gi 47087630		26838.2	10.06	10	343	100	284	100		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
916.5363	916.5383	0.002	2	83	89	LRVEFPR					Mascot
916.5363	916.5383	0.002	2	83	89	LRVEFPR	24	0			Mascot
1078.5527	1078.5513	-0.0014	-1	165	174	DGTGVVEFVR					Mascot
1123.4327	1123.434	0.0013	1	74	82	DGYDYDGYR					Mascot
1162.5487	1162.5522	0.0035	3	192	201	SHEGETAYIR					Mascot
1256.6997	1256.7015	0.0018	1	17	27	IYVGNLPPDIR					Mascot
1256.6997	1256.7015	0.0018	1	17	27	IYVGNLPPDIR	84	100			Mascot
1401.6104	1401.6125	0.0021	1	153	164	EAGDVCYADVFR	105	100	Carbamidomethyl (C)[6]		Mascot
1401.6104	1401.6125	0.0021	1	153	164	EAGDVCYADVFR			Carbamidomethyl (C)[6]		Mascot
1564.743	1564.7472	0.0042	3	51	64	GGPPFAFVEFEDPR					Mascot
1682.9111	1682.9154	0.0043	3	133	148	VIVSGLPPSGSWQDLK					Mascot
2238.1335	2238.103	-0.0305	-14	133	152	VIVSGLPPSGSWQDLKD HMR			Oxidation (M)[19]		Mascot
2555.1836	2555.1926	0.009	4	51	73	GGPPFAFVEFEDPRDAE DAVYAR					Mascot
2555.1836	2555.1926	0.009	4	51	73	GGPPFAFVEFEDPRDAE DAVYAR	71	99.997			Mascot

3	inorganic pyrophosphatase [Danio rerio]					gi 62955639		32621.8	5.25	15	333	100	231	100		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
846.4257	846.427	0.0013	2	223	229	ATHGFWK					Mascot
877.4243	877.4234	-0.0009	-1	285	290	WFYYAK					Mascot
877.4243	877.4234	-0.0009	-1	285	290	WFYYAK	28	51.789			Mascot
1021.5061	1021.5065	0.0004	0	9	17	GNPNTLSYR	40	96.475			Mascot
1021.5061	1021.5065	0.0004	0	9	17	GNPNTLSYR					Mascot
1045.5272	1045.5497	0.0225	22	169	177	DLNNISDVR					Mascot
1074.5731	1074.5693	-0.0038	-4	81	89	YVANVFPHK					Mascot

	1074.5731	1074.5693	-0.0038	-4	81	89	YVANVFPHK	46	99.265				Mascot
	1179.6256	1179.614	-0.0116	-10	213	222	DKDFAIETIK						Mascot
	1201.6284	1201.6284	0	0	169	178	DLNNISDVRR						Mascot
	1646.8167	1646.8207	0.004	2	230	244	ALLSQQTNAGELNCK			Carbamidomethyl (C)[14]			Mascot
	1694.89	1694.8936	0.0036	2	179	192	LKPGYLEATVDWFR	117	100				Mascot
	1694.89	1694.8936	0.0036	2	179	192	LKPGYLEATVDWFR						Mascot
	1775.8884	1775.8904	0.002	1	141	156	VLGVLAMIDEGETDWK						Mascot
	1791.8833	1791.8861	0.0028	2	141	156	VLGVLAMIDEGETDWK			Oxidation (M)[7]			Mascot
	1923.9235	1923.931	0.0075	4	196	212	VPDGKPENQFAFNGEFK						Mascot
	1961.7673	1961.8831	0.1158	59	245	263	NTCVSEGNSPFCCSADE AK						Mascot
	2132.8318	2132.8389	0.0071	3	245	263	NTCVSEGNSPFCCSADE AK			Carbamidomethyl (C)[3,12,13]			Mascot
	2215.0818	2215.0991	0.0173	8	194	212	YKVPDGKPENQFAFNGE FK						Mascot
	2232.0508	2232.0613	0.0105	5	90	108	GYIWNYGAIPQTWEDPG HK						Mascot
	2283.8799	2284.1787	0.2988	131	109	129	DNDTGCCGDNPDIVCEI GSK			Carbamidomethyl (C)[6,7]			Mascot
4	Sfrs1 protein [Danio rerio]				gi 34785174		20721.2	7.74	9	267	100	213	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	916.5363	916.5383	0.002	2	83	89	LRVEFPR					Mascot
	916.5363	916.5383	0.002	2	83	89	LRVEFPR	24	0			Mascot
	1078.5527	1078.5513	-0.0014	-1	154	163	DGTGVVEFVR					Mascot
	1123.4327	1123.434	0.0013	1	74	82	DGYDYDGYR					Mascot
	1130.5952	1130.5957	0.0005	0	179	188	FRSHEVGVSL					Mascot
	1256.6997	1256.7015	0.0018	1	17	27	IYVGNLPPDIR					Mascot
	1256.6997	1256.7015	0.0018	1	17	27	IYVGNLPPDIR	84	100			Mascot
	1401.6104	1401.6125	0.0021	1	142	153	EAGDVCYADVFR	105	100	Carbamidomethyl (C)[6]		Mascot
	1401.6104	1401.6125	0.0021	1	142	153	EAGDVCYADVFR			Carbamidomethyl (C)[6]		Mascot
	1564.743	1564.7472	0.0042	3	51	64	GGPPFAFVEFEDPR					Mascot
	1682.9111	1682.9154	0.0043	3	122	137	VIVSGLPPSGSWQDLK					Mascot
	2238.1335	2238.103	-0.0305	-14	122	141	VIVSGLPPSGSWQDLKD HMR			Oxidation (M)[19]		Mascot

5	serine/arginine-rich splicing factor 1B [Danio rerio]				gi 45433540		27458.7	10.3	9	261	100	213	100
Peptide Information													
Calc. Mass		Obsrv. Mass		± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. % Modification		Rank	Result Type

		916.5363	916.5383	0.002	2	83	89	LRVEFPR									Mascot
		916.5363	916.5383	0.002	2	83	89	LRVEFPR	24	0							Mascot
		1078.5527	1078.5513	-0.0014	-1	154	163	DGTGVVEFVR									Mascot
		1123.4327	1123.434	0.0013	1	74	82	DGYDYDGYR									Mascot
		1162.5487	1162.5522	0.0035	3	181	190	SHEGETAYIR									Mascot
		1256.6997	1256.7015	0.0018	1	17	27	IYVGNLPPDIR									Mascot
		1256.6997	1256.7015	0.0018	1	17	27	IYVGNLPPDIR	84	100							Mascot
		1401.6104	1401.6125	0.0021	1	142	153	EAGDVCYADVFR	105	100	Carbamidomethyl (C)[6]						Mascot
		1401.6104	1401.6125	0.0021	1	142	153	EAGDVCYADVFR			Carbamidomethyl (C)[6]						Mascot
		1564.743	1564.7472	0.0042	3	51	64	GGPPFAFVEFEDPR									Mascot
		1682.9111	1682.9154	0.0043	3	122	137	VIVSGLPPSGSWQDLK									Mascot
		2238.1335	2238.103	-0.0305	-14	122	141	VIVSGLPPSGSWQDLKD HMR			Oxidation (M)[19]						Mascot
6	Sfrs1 protein [Danio rerio]						gi 63101956		28927.4	10.1	8	246	100	213	100		
		Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
		916.5363	916.5383	0.002	2	83	89	LRVEFPR									Mascot
		916.5363	916.5383	0.002	2	83	89	LRVEFPR	24	0							Mascot
		1078.5527	1078.5513	-0.0014	-1	154	163	DGTGVVEFVR									Mascot
		1123.4327	1123.434	0.0013	1	74	82	DGYDYDGYR									Mascot
		1162.5487	1162.5522	0.0035	3	181	190	SHEGETAYIR									Mascot
		1256.6997	1256.7015	0.0018	1	17	27	IYVGNLPPDIR									Mascot
		1256.6997	1256.7015	0.0018	1	17	27	IYVGNLPPDIR	84	100							Mascot
		1401.6104	1401.6125	0.0021	1	142	153	EAGDVCYADVFR	105	100	Carbamidomethyl (C)[6]						Mascot
		1401.6104	1401.6125	0.0021	1	142	153	EAGDVCYADVFR			Carbamidomethyl (C)[6]						Mascot
		1682.9111	1682.9154	0.0043	3	122	137	VIVSGLPPSGSWQDLK									Mascot
		2238.1335	2238.103	-0.0305	-14	122	141	VIVSGLPPSGSWQDLKD HMR			Oxidation (M)[19]						Mascot
7	pyrophosphatase (inorganic) 1 [Danio rerio]						gi 220678153		32646.8	5.24	15	216	100	114	100		
		Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
		846.4257	846.427	0.0013	2	223	229	ATHGFWK									Mascot
		877.4243	877.4234	-0.0009	-1	285	290	WFYYAK									Mascot
		877.4243	877.4234	-0.0009	-1	285	290	WFYYAK	28	51.789							Mascot

	1021.5061	1021.5065	0.0004	0	9	17	GNPNTLSYR	40	96.475			Mascot
	1021.5061	1021.5065	0.0004	0	9	17	GNPNTLSYR					Mascot
	1045.5272	1045.5497	0.0225	22	169	177	DLNNISDVR					Mascot
	1074.5731	1074.5693	-0.0038	-4	81	89	YVANVFPHK					Mascot
	1074.5731	1074.5693	-0.0038	-4	81	89	YVANVFPHK	46	99.265			Mascot
	1179.6256	1179.614	-0.0116	-10	213	222	DKDFAIETIK					Mascot
	1201.6284	1201.6284	0	0	169	178	DLNNISDVRR					Mascot
	1646.8167	1646.8207	0.004	2	230	244	ALLSQQTNAGELNCK			Carbamidomethyl (C)[14]		Mascot
	1718.8649	1718.8691	0.0042	2	179	192	HKPGYLEATVDWFR					Mascot
	1775.8884	1775.8904	0.002	1	141	156	VLGVLAMIDEGETDWK					Mascot
	1791.8833	1791.8861	0.0028	2	141	156	VLGVLAMIDEGETDWK			Oxidation (M)[7]		Mascot
	1923.9235	1923.931	0.0075	4	196	212	VPDGKPENQFAFNGEFK					Mascot
	1961.7673	1961.8831	0.1158	59	245	263	NTCVSEGNSPFCCSADE AK					Mascot
	2132.8318	2132.8389	0.0071	3	245	263	NTCVSEGNSPFCCSADE AK			Carbamidomethyl (C)[3,12,13]		Mascot
	2215.0818	2215.0991	0.0173	8	194	212	YKVPDGKPENQFAFNGE FK					Mascot
	2232.0508	2232.0613	0.0105	5	90	108	GYIWNYGAIPTWEDPG HK					Mascot
	2283.8799	2284.1787	0.2988	131	109	129	DNDTGCCGDNDPIDVCEI GSK			Carbamidomethyl (C)[6,7]		Mascot

8

inorganic pyrophosphatase 2, mitochondrial [Danio rerio]

gi|45387739

28324.1

5.26

4

59

94.65

46

99.265

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1074.5731	1074.5693	-0.0038	-4	44	52	YVANVFPHK						Mascot
1074.5731	1074.5693	-0.0038	-4	44	52	YVANVFPHK	46	99.265				Mascot
2215.8611	2216.0835	0.2224	100	74	92	ETMCCGDNDPIDVCEIGS K				Carbamidomethyl (C)[4,5,14], Oxidation (M)[3]		Mascot
2215.9668	2216.0835	0.1167	53	200	218	MKDDEIVCQNSSLCDSP FK				Carbamidomethyl (C)[8]		Mascot
2231.9617	2232.0613	0.0996	45	200	218	MKDDEIVCQNSSLCDSP FK				Carbamidomethyl (C)[8], Oxidation (M)[1]		Mascot
2237.1206	2237.0815	-0.0391	-17	3	21	MNGIIFNMVVEVPRWSN AK				Oxidation (M)[1,8]		Mascot

9

PREDICTED: FERM domain-containing protein 5 [Danio rerio]

gi|189532033

65691.7

8.72

11

46

0

15

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
877.4526	877.4234	-0.0292	-33	338	344	EPPEIHR						Mascot

	877.4526	877.4234	-0.0292	-33	338	344	EPPEIHR											Mascot
	916.4747	916.5383	0.0636	69	120	126	RDLYHGR											Mascot
	916.4747	916.5383	0.0636	69	120	126	RDLYHGR	15		0								Mascot
	923.4919	923.4473	-0.0446	-48	561	567	WFACKLR											Mascot
	923.4919	923.4473	-0.0446	-48	561	567	WFACKLR											Mascot
	1162.6136	1162.5522	-0.0614	-53	327	336	EVMEQSAKIK											Mascot
	1179.5649	1179.614	0.0491	42	85	94	SQPPFTMCLR											Mascot
	1694.9186	1694.8936	-0.025	-15	268	282	KIILTYFAPTPEACK											Mascot
	1694.9186	1694.8936	-0.025	-15	268	282	KIILTYFAPTPEACK											Mascot
	1698.8274	1698.8708	0.0434	26	154	167	HPEGYSKQFFPK											Mascot
	1710.9319	1710.8848	-0.0471	-28	371	385	RAVHISIMEGLESRL											Mascot
	1726.9269	1726.8834	-0.0435	-25	371	385	RAVHISIMEGLESRL						Oxidation (M)[8]					Mascot
	1791.9282	1791.8861	-0.0421	-23	345	361	AGLVPSRSCPSITHGPR						Carbamidomethyl (C)[9]					Mascot
	2237.2024	2237.0815	-0.1209	-54	176	195	IAEIHKTELIGQTPETSEL K											Mascot
	2283.1396	2283.189	0.0494	22	481	502	AAGPMQIAGREAPLSEA EQVNK						Oxidation (M)[5]					Mascot
10	novel protein [Danio rerio]				gi 94733158		181651.4	8.12	18	44	0							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
846.4753	846.427	-0.0483	-57	956	963	VEGLLGМК						Mascot
923.4192	923.4473	0.0281	30	1453	1459	WMTGAWR				Oxidation (M)[2]		Mascot
923.4192	923.4473	0.0281	30	1453	1459	WMTGAWR				Oxidation (M)[2]		Mascot
1021.4982	1021.5065	0.0083	8	1176	1184	KQCPSTTEK						Mascot
1021.4982	1021.5065	0.0083	8	1176	1184	KQCPSTTEK						Mascot
1078.5198	1078.5513	0.0315	29	1176	1184	KQCPSTTEK				Carbamidomethyl (C)[3]		Mascot
1256.5575	1256.7015	0.144	115	1340	1351	NVSCFVSDGSGK				Carbamidomethyl (C)[4]		Mascot
1256.5575	1256.7015	0.144	115	1340	1351	NVSCFVSDGSGK	6	0		Carbamidomethyl (C)[4]		Mascot
1401.6766	1401.6125	-0.0641	-46	195	207	VGPWGQCMAPIR						Mascot
1401.6766	1401.6125	-0.0641	-46	195	207	VGPWGQCMAPIR						Mascot
1564.8992	1564.7472	-0.152	-97	714	727	VICVRNVGQVPPK				Carbamidomethyl (C)[3]		Mascot
1698.8228	1698.8708	0.048	28	87	101	GEEGIQTREVGCVHK				Carbamidomethyl (C)[12]		Mascot
1813.8948	1813.9503	0.0555	31	195	210	VGPWGQCMAPIRQAR				Carbamidomethyl (C)[7]		Mascot
1923.9052	1923.931	0.0258	13	694	712	AVPGTAVNDAFCSVGMQ TR						Mascot
1924.7847	1924.9214	0.1367	71	1	18	PWGRCMGSECGPGGSQ SR				Carbamidomethyl (C)[5], Oxidation (M)[6]		Mascot
2133.0796	2132.8389	-0.2407	-113	158	177	SVLAPPLFGGSACPNLTE FR				Carbamidomethyl (C)[13]		Mascot

	2215.1106	2215.0991	-0.0115	-5	585	604	QLCRDAILPMPVLCEVSC PK										Mascot
	2237.092	2237.0815	-0.0105	-5	290	307	FWDLQVGQYQTREVTCH R										Mascot
	2254.1616	2254.0342	-0.1274	-57	729	747	CPESLRPETVRPCLLPCK R			Carbamidomethyl (C)[1]							Mascot
	2283.177	2283.189	0.012	5	728	746	KCPESLRPETVRPCLLPCK K			Carbamidomethyl (C)[2,14]							Mascot
	2284.1125	2284.1787	0.0662	29	437	457	EVYCVQAPSETSSNLGS LKSK			Carbamidomethyl (C)[4]							Mascot
	2298.9324	2299.1938	0.2614	114	970	988	ECGQGYRYQAMVCYDQ DNR										Mascot
	2996.3411	2996.4929	0.1518	51	865	891	FAGPMPQLTQSCQLPCQ DDCQLTAWSK										Mascot
11	thrombospondin type-1 domain containing protein 7A [Danio rerio]					gi 309756395	181850.5	8.12	18	44	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
846.4753	846.427	-0.0483	-57	956	963	VEGLLGIMK					Mascot
923.4192	923.4473	0.0281	30	1455	1461	WMTGAWR			Oxidation (M)[2]		Mascot
923.4192	923.4473	0.0281	30	1455	1461	WMTGAWR			Oxidation (M)[2]		Mascot
1021.4982	1021.5065	0.0083	8	1178	1186	KQCPSTTEK					Mascot
1021.4982	1021.5065	0.0083	8	1178	1186	KQCPSTTEK					Mascot
1078.5198	1078.5513	0.0315	29	1178	1186	KQCPSTTEK			Carbamidomethyl (C)[3]		Mascot
1256.5575	1256.7015	0.144	115	1342	1353	NVSCFVSDGSGK			Carbamidomethyl (C)[4]		Mascot
1256.5575	1256.7015	0.144	115	1342	1353	NVSCFVSDGSGK	6	0	Carbamidomethyl (C)[4]		Mascot
1401.6766	1401.6125	-0.0641	-46	195	207	VGPWGQCMASPIR					Mascot
1401.6766	1401.6125	-0.0641	-46	195	207	VGPWGQCMASPIR					Mascot
1564.8992	1564.7472	-0.152	-97	714	727	VICVRNVNGQVPPK			Carbamidomethyl (C)[3]		Mascot
1698.8228	1698.8708	0.048	28	87	101	GEEGIQTREVGCVHK			Carbamidomethyl (C)[12]		Mascot
1813.8948	1813.9503	0.0555	31	195	210	VGPWGQCMASPIRQAR			Carbamidomethyl (C)[7]		Mascot
1923.9052	1923.931	0.0258	13	694	712	AVPGTAVNDAFCVGMQ TR					Mascot
1924.7847	1924.9214	0.1367	71	1	18	PWGRCMGSECGPGGSQ SR			Carbamidomethyl (C)[5], Oxidation (M)[6]		Mascot
2133.0796	2132.8389	-0.2407	-113	158	177	SVLAPPLFGGSACPNLTE FR			Carbamidomethyl (C)[13]		Mascot
2215.1106	2215.0991	-0.0115	-5	585	604	QLCRDAILPMPVLCEVSC PK					Mascot
2237.092	2237.0815	-0.0105	-5	290	307	FWDLQVGQYQTREVTCH R					Mascot
2254.1616	2254.0342	-0.1274	-57	729	747	CPESLRPETVRPCLLPCK R			Carbamidomethyl (C)[1]		Mascot
2283.177	2283.189	0.012	5	728	746	KCPESLRPETVRPCLLPCK K			Carbamidomethyl (C)[2,14]		Mascot
2284.1125	2284.1787	0.0662	29	437	457	EVYCVQAPSETSSNLGS LKSK			Carbamidomethyl (C)[4]		Mascot

	2298.9324	2299.1938	0.2614	114	970	988	ECGQGYYRYQAMVCYDQ DNR										Mascot
	2996.3411	2996.4929	0.1518	51	865	891	FAGPMPQLTQSCQLPCQ DDCQLTAWSK										Mascot
12	phosphatidylinositol phosphatase SAC1-B [Danio rerio]					gi 154091011	67090.8	7.9	13	44	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1073.6718	1073.5443	-0.1275	-119	271	279	YKPKPLISK						Mascot
1074.4633	1074.5693	0.106	99	280	288	DTNHMDGLR				Oxidation (M)[5]		Mascot
1074.4633	1074.5693	0.106	99	280	288	DTNHMDGLR				Oxidation (M)[5]		Mascot
1123.5742	1123.434	-0.1402	-125	376	385	VLSEQSGTFR						Mascot
1162.6619	1162.5522	-0.1097	-94	204	212	VFEWIIISR						Mascot
1165.6133	1165.7476	0.1343	115	35	45	VSTEMTLAGIK				Oxidation (M)[5]		Mascot
1273.7151	1273.6187	-0.0964	-76	572	582	EFVDAPKLVQK						Mascot
1636.8013	1636.8359	0.0346	21	161	173	ADQRFMWNGNLLR				Oxidation (M)[6]		Mascot
1813.9476	1813.9503	0.0027	1	101	115	KTILHLTDIQMQDNK				Oxidation (M)[11]		Mascot
1923.9017	1923.931	0.0293	15	1	16	MANAYERFNLHSTPEK				Oxidation (M)[1]		Mascot
1925.0386	1924.9214	-0.1172	-61	406	422	SLQSQLQRMGVLHVQK				Oxidation (M)[9]		Mascot
1958.9476	1958.9871	0.0395	20	464	479	RTHWGLVMDGWNSMIR						Mascot
2225.0471	2225.1265	0.0794	36	386	404	SNCMDCLDRTNVIQSLLA R				Carbamidomethyl (C)[3], Oxidation (M)[4]		Mascot
2237.1431	2237.0815	-0.0616	-28	184	203	FAFPVIHGFIVMKPCCING K				Oxidation (M)[12]		Mascot

13	PREDICTED: plexin domain-containing protein 2 [Danio rerio]					gi 189515938	63232.4	6.04	9	44	0	14	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
916.4747	916.5383	0.0636	69	77	83	RYVEHGR						Mascot
916.4747	916.5383	0.0636	69	77	83	RYVEHGR	14		0			Mascot
1123.583	1123.434	-0.149	-133	485	493	RPTHWPAMK						Mascot
1179.5286	1179.614	0.0854	72	550	558	ECFVIMEHR				Oxidation (M)[6]		Mascot
1516.6962	1516.6671	-0.0291	-19	346	357	LQRCSSGFDQYR				Carbamidomethyl (C)[4]		Mascot
1564.7676	1564.7472	-0.0204	-13	126	138	DLWVNIEKMDTGK				Oxidation (M)[9]		Mascot
1710.7832	1710.8848	0.1016	59	106	118	DMDHIYYTSKFYK						Mascot
1726.7782	1726.8834	0.1052	61	106	118	DMDHIYYTSKFYK				Oxidation (M)[2]		Mascot
2211.032	2211.1128	0.0808	37	541	558	EGFIVSDQRECFVIMEHR				Oxidation (M)[15]		Mascot

	2237.2991	2237.0815	-0.2176	-97	1	20	MALPARPHVFLGIFAVIQI K					Oxidation (M)[1]	Mascot
	2253.9863	2254.0342	0.0479	21	358	376	QDWVDNGCLSEIKTQSC DR					Carbamidomethyl (C)[8]	Mascot
14	PREDICTED: tetratricopeptide repeat protein 34-like [Danio rerio]					gi 326679115	119668.1	7.99	16	43	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
846.4865	846.427	-0.0595	-70	281	287	VCLLVSR			Carbamidomethyl (C)[2]		Mascot
882.4791	882.5673	0.0882	100	126	133	QTPQPVGR					Mascot
916.5284	916.5383	0.0099	11	393	400	LADCLLLR					Mascot
916.5284	916.5383	0.0099	11	393	400	LADCLLLR					Mascot
996.4791	996.5976	0.1185	119	656	663	HCHTASKR			Carbamidomethyl (C)[2]		Mascot
1123.5664	1123.434	-0.1324	-118	760	769	EATQSMLSLK			Oxidation (M)[6]		Mascot
1162.566	1162.5522	-0.0138	-12	521	530	VMLEGVEEEK					Mascot
1165.6252	1165.7476	0.1224	105	1050	1059	AWFLTETGLK					Mascot
1179.6302	1179.614	-0.0162	-14	1028	1036	QRLAEMYLR					Mascot
1273.5953	1273.6187	0.0234	18	723	733	QPDNVQSLCGR			Carbamidomethyl (C)[9]		Mascot
1401.6903	1401.6125	-0.0778	-56	722	733	KQPDNVQSLCGR			Carbamidomethyl (C)[10]		Mascot
1401.8099	1401.6125	-0.1974	-141	198	209	YPILQGKVQVEK					Mascot
1682.9258	1682.9154	-0.0104	-6	786	800	KSLADILLSNPVPCR			Carbamidomethyl (C)[14]		Mascot
1698.922	1698.8708	-0.0512	-30	281	297	VCLLVSRRAAHFAAGGR					Mascot
1924.149	1923.931	-0.218	-113	592	608	LLLNIEHTAPRPPILAR					Mascot
1958.9099	1958.9871	0.0772	39	472	489	MMAGSHYLTALDYATAS R					Mascot
2299.1797	2299.1938	0.0141	6	490	508	LQLQDAAVTVRCLVPWN CR			Carbamidomethyl (C)[12,18]		Mascot

15	PREDICTED: zinc finger protein 420 isoform 2 [Danio rerio]					gi 326678086	70371	9.08	14	40	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5206	842.5103	-0.0103	-12	25	31	QRQGLLK					Mascot
1021.5723	1021.5065	-0.0658	-64	170	177	MHLRVHTK					Mascot
1021.5723	1021.5065	-0.0658	-64	170	177	MHLRVHTK					Mascot
1045.536	1045.5497	0.0137	13	134	141	FHCARNLK			Carbamidomethyl (C)[3]		Mascot
1073.5408	1073.5443	0.0035	3	598	606	EKPPSCSLR			Carbamidomethyl (C)[6]		Mascot
1162.5851	1162.5522	-0.0329	-28	385	394	SFTQSTHLNK					Mascot

	1201.6357	1201.6284	-0.0073	-6	598	607	EKPPSCSLRK		Carbamidomethyl (C)[6]	Mascot
	1636.7094	1636.8359	0.1265	77	96	109	DFTCTQCGKSFSQK		Carbamidomethyl (C)[4]	Mascot
	1775.936	1775.8904	-0.0456	-26	81	95	IKIDHNFLMETTAVK		Oxidation (M)[9]	Mascot
	1961.8956	1961.8831	-0.0125	-6	454	469	VHTNEKPYSCPECGKR		Carbamidomethyl (C)[10,13]	Mascot
	2211.0798	2211.1128	0.033	15	450	468	IHLRVHTNEKPYSCPECG K			Mascot
	2214.9841	2215.0991	0.115	52	506	524	QHQMHTGEKPYTCSHC SK			Mascot
	2216.0515	2216.0835	0.032	14	488	505	EFVCFECEKTFITAGHLK		Carbamidomethyl (C)[4,7]	Mascot
	2216.0515	2216.0835	0.032	14	488	505	EFVCFECEKTFITAGHLK		Carbamidomethyl (C)[4,7]	Mascot
	2283.0579	2283.189	0.1311	57	227	245	HQMIHTGEKPYKCSHCD LR			Mascot
	2298.0906	2298.1926	0.102	44	478	496	LHQHVHTGVREFVCFEC EK			Mascot
	2299.053	2299.1938	0.1408	61	227	245	HQMIHTGEKPYKCSHCD LR		Oxidation (M)[3]	Mascot
16	novel protein [Danio rerio]				gi 220679558	45035	4.99	9	40	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.473	842.5103	0.0373	44	382	388	DPKDVLR					Mascot
877.4698	877.4234	-0.0464	-53	202	208	LVEELMK			Oxidation (M)[6]		Mascot
877.4698	877.4234	-0.0464	-53	202	208	LVEELMK			Oxidation (M)[6]		Mascot
882.4791	882.5673	0.0882	100	1	7	VSTYTRR					Mascot
1045.5889	1045.5497	-0.0392	-37	54	62	VIDTLESLR					Mascot
1159.5841	1159.6293	0.0452	39	375	384	LDETDVKDPK					Mascot
1340.6021	1340.6671	0.065	48	7	16	RCPGCQMIYR			Carbamidomethyl (C)[2,5]		Mascot
1718.8629	1718.8691	0.0062	4	202	215	LVEELMKQEVDDVR			Oxidation (M)[6]		Mascot
1813.7843	1813.9503	0.166	92	220	235	DCNVDSNGSAFDMILR			Carbamidomethyl (C)[2]		Mascot
2214.9939	2215.0991	0.1052	47	217	235	LCKDCNVDSNGSAFDMIL R			Carbamidomethyl (C)[2,5]		Mascot

17 iron-sulfur cluster assembly enzyme [Danio rerio] gi|54261801 17796.2 8.7 7 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
916.5461	916.5383	-0.0078	-9	116	123	IKNTEIAK					Mascot
916.5461	916.5383	-0.0078	-9	116	123	IKNTEIAK					Mascot
1045.5636	1045.5497	-0.0139	-13	44	53	NVGSLDKNAK					Mascot
1256.6382	1256.7015	0.0633	50	34	43	KVVDHYENPR					Mascot
1256.6382	1256.7015	0.0633	50	34	43	KVVDHYENPR					Mascot

	1611.8774	1611.7488	-0.1286	-80	118	131	NTEIAKELCLPPVK		Carbamidomethyl (C)[9]	Mascot	
	1718.8353	1718.8691	0.0338	20	19	33	SMSLPELRPACSYHK			Mascot	
	1775.8567	1775.8904	0.0337	19	19	33	SMSLPELRPACSYHK		Carbamidomethyl (C)[11]	Mascot	
	1791.8517	1791.8861	0.0344	19	19	33	SMSLPELRPACSYHK		Carbamidomethyl (C)[11], Oxidation (M)[2]	Mascot	
	1958.9785	1958.9871	0.0086	4	51	70	NAKNVGTGLVGAPACGD VMK		Carbamidomethyl (C)[15]	Mascot	
	2283.1545	2283.189	0.0345	15	124	143	ELCLPPVKLHCSMLAEDA IK		Carbamidomethyl (C)[3], Oxidation (M)[13]	Mascot	
18	nitrogen fixation cluster-like [Danio rerio]				gi 221307563		17420.2	8.83	7	39	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
846.4468	846.427	-0.0198	-23	25	31	TQIGYHK					Mascot
882.5294	882.5673	0.0379	43	122	129	ELSLPPVK					Mascot
916.5461	916.5383	-0.0078	-9	114	121	IKNTEIAK					Mascot
916.5461	916.5383	-0.0078	-9	114	121	IKNTEIAK					Mascot
1045.5636	1045.5497	-0.0139	-13	42	51	NVGSLDKNAK					Mascot
1256.6382	1256.7015	0.0633	50	32	41	KVVDHYENPR					Mascot
1256.6382	1256.7015	0.0633	50	32	41	KVVDHYENPR					Mascot
1682.9622	1682.9154	-0.0468	-28	9	24	CAAPQILKTLAPTLR					Mascot
1958.9785	1958.9871	0.0086	4	49	68	NAKNVGTGLVGAPACGD VMK			Carbamidomethyl (C)[15]		Mascot

19 novel protein similar to vertebrate brain-enriched guanylate kinase-associated homolog (rat) (BEGAI

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.5621	850.5427	-0.0194	-23	135	141	LHALLRK					Mascot
996.4744	996.5976	0.1232	124	669	677	AQEHGNLLD					Mascot
1130.6	1130.5957	-0.0043	-4	655	663	MGVHHLHRK			Oxidation (M)[1]		Mascot
1256.6593	1256.7015	0.0422	34	63	72	ILQQQNEDLR					Mascot
1256.6593	1256.7015	0.0422	34	63	72	ILQQQNEDLR	2	0			Mascot
1475.6833	1475.7563	0.073	49	416	431	SGTSSSSGGGIASHQR					Mascot
1564.7887	1564.7472	-0.0415	-27	147	159	KTMDQEIVELTNK			Oxidation (M)[3]		Mascot
1646.8352	1646.8207	-0.0145	-9	179	192	QDCNLAVQLKCNK			Carbamidomethyl (C)[3]		Mascot
1682.8094	1682.9154	0.106	63	200	213	FADLPYELQDMVVK					Mascot
1698.8043	1698.8708	0.0665	39	200	213	FADLPYELQDMVVK			Oxidation (M)[11]		Mascot

	1924.863	1924.9214	0.0584	30	598	615	RQEFAEDVGSAGSSAEE R						Mascot
	1945.8158	1945.8909	0.0751	39	518	536	GAYSDGEEGSSAQSWT ASR						Mascot
	2216.05	2216.0835	0.0335	15	481	501	MAPSSDGLVNRTSFSS ETVK	Oxidation (M)[1]					Mascot
	2216.05	2216.0835	0.0335	15	481	501	MAPSSDGLVNRTSFSS ETVK	Oxidation (M)[1]					Mascot
20	probable RNA-binding protein 19 [Danio rerio]				gi 38707995	104493.7	5.77	15	36	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	842.5206	842.5103	-0.0103	-12	786	793	LGVAQAKR					Mascot
	846.5229	846.427	-0.0959	-113	1	7	MSRLIVK					Mascot
	1045.6365	1045.5497	-0.0868	-83	801	809	QTTSKILVR					Mascot
	1074.5426	1074.5693	0.0267	25	204	212	QDNEKEALK					Mascot
	1074.5426	1074.5693	0.0267	25	204	212	QDNEKEALK					Mascot
	1159.6066	1159.6293	0.0227	20	337	346	SEAEVERALR					Mascot
	1340.6073	1340.6671	0.0598	45	225	235	MVEKSDMLDEK			Oxidation (M)[1]		Mascot
	1401.6678	1401.6125	-0.0553	-39	213	224	TGLSDMDYLRSK			Oxidation (M)[6]		Mascot
	1401.6678	1401.6125	-0.0553	-39	213	224	TGLSDMDYLRSK			Oxidation (M)[6]		Mascot
	1475.7522	1475.7563	0.0041	3	549	561	MALGETQIVQETR					Mascot
	1516.6294	1516.6671	0.0377	25	404	415	NMPYTCTEEDLK			Carbamidomethyl (C)[6], Oxidation (M)[2]		Mascot
	1611.8047	1611.7488	-0.0559	-35	209	222	EALKTGLSDMDYLRL					Mascot
	1636.7449	1636.8359	0.091	56	479	494	EKADQGPDPAGSSSYK					Mascot
	1718.8544	1718.8691	0.0147	9	861	875	AFSALCHSTHLYGRR					Mascot
	1775.8759	1775.8904	0.0145	8	861	875	AFSALCHSTHLYGRR			Carbamidomethyl (C)[6]		Mascot
	1924.9183	1924.9214	0.0031	2	21	37	MFADFGLTDCALKFTK			Oxidation (M)[1]		Mascot
	1946.0706	1945.8909	-0.1797	-92	278	294	STRPAIEPTTEFTVKLR					Mascot
	2238.0754	2238.103	0.0276	12	761	778	AMRQLQHCTVDEHQLEV K			Carbamidomethyl (C)[8], Oxidation (M)[2]		Mascot

21	ATP-binding cassette sub-family D member 4 [Danio rerio]				gi 300863092	68999.7	8.28	11	36	0		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	846.4315	846.427	-0.0045	-5	144	150	ISQDVER					Mascot
	923.4515	923.4473	-0.0042	-5	583	589	HHDVMLR			Oxidation (M)[5]		Mascot
	923.4515	923.4473	-0.0042	-5	583	589	HHDVMLR			Oxidation (M)[5]		Mascot

	1021.5346	1021.5065	-0.0281	-28	2	10	TPMKQSSVK					Oxidation (M)[3]	Mascot
	1021.5346	1021.5065	-0.0281	-28	2	10	TPMKQSSVK					Oxidation (M)[3]	Mascot
	1273.6357	1273.6187	-0.017	-13	431	440	VLNSLWEPCR					Carbamidomethyl (C)[9]	Mascot
	1340.7103	1340.6671	-0.0432	-32	566	577	QQGMTLISLGHR						Mascot
	1475.7675	1475.7563	-0.0112	-8	590	602	LCGGGQWELSKLK					Carbamidomethyl (C)[2]	Mascot
	1516.7794	1516.6671	-0.1123	-74	112	123	TLTEDLHHLYFK						Mascot
	1694.8928	1694.8936	0.0008	0	251	264	LQMLLSTQRSLMNK					Oxidation (M)[3,12]	Mascot
	1694.8928	1694.8936	0.0008	0	251	264	LQMLLSTQRSLMNK					Oxidation (M)[3,12]	Mascot
	1924.0361	1923.931	-0.1051	-55	453	469	GLMFLPQKAYLTDGTLR						Mascot
	2211.198	2211.1128	-0.0852	-39	404	425	DLTSLISQGTLLVVGNT GTGK						Mascot
	2225.127	2225.1265	-0.0005	0	375	393	ELQSVPADTAFVLDRLCY K					Carbamidomethyl (C)[17]	Mascot
22	thrombospondin type-1 domain-containing protein 7A [Danio rerio]						gi 170287747	186916.2	8.18	17	36	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
846.4753	846.427	-0.0483	-57	1007	1014	VEGLLGМК						Mascot	
923.4192	923.4473	0.0281	30	1504	1510	WMTGAWR				Oxidation (M)[2]		Mascot	
923.4192	923.4473	0.0281	30	1504	1510	WMTGAWR				Oxidation (M)[2]		Mascot	
1021.4982	1021.5065	0.0083	8	1227	1235	KQCPSTTEK						Mascot	
1021.4982	1021.5065	0.0083	8	1227	1235	KQCPSTTEK						Mascot	
1078.5198	1078.5513	0.0315	29	1227	1235	KQCPSTTEK				Carbamidomethyl (C)[3]		Mascot	
1256.5575	1256.7015	0.144	115	1391	1402	NVSCFVSDGSGK				Carbamidomethyl (C)[4]		Mascot	
1256.5575	1256.7015	0.144	115	1391	1402	NVSCFVSDGSGK	6	0		Carbamidomethyl (C)[4]		Mascot	
1401.6766	1401.6125	-0.0641	-46	246	258	VGPWGQCМASPIR						Mascot	
1401.6766	1401.6125	-0.0641	-46	246	258	VGPWGQCМASPIR						Mascot	
1564.8992	1564.7472	-0.152	-97	765	778	VICVRNVGQVPPK				Carbamidomethyl (C)[3]		Mascot	
1698.8228	1698.8708	0.048	28	138	152	GEEGIQTREVGCVHK				Carbamidomethyl (C)[12]		Mascot	
1813.8948	1813.9503	0.0555	31	246	261	VGPWGQCМASPIRQAR				Carbamidomethyl (C)[7]		Mascot	
1923.9052	1923.931	0.0258	13	745	763	AVPGTAVNDAFCSVGMQ TR						Mascot	
2133.0796	2132.8389	-0.2407	-113	209	228	SVLAPPLFGGSACPNLTE FR				Carbamidomethyl (C)[13]		Mascot	
2215.1106	2215.0991	-0.0115	-5	636	655	QLCRDAILPMPVLCEVSC PK						Mascot	
2237.092	2237.0815	-0.0105	-5	341	358	FWDLQVGыQTREVTCVH R						Mascot	
2254.1616	2254.0342	-0.1274	-57	780	798	CPESLRPETVRPCLLPCK R				Carbamidomethyl (C)[1]		Mascot	
2283.177	2283.189	0.012	5	779	797	KCPESLRPETVRPCLLPCK				Carbamidomethyl (C)[2,14]		Mascot	

	2284.1125	2284.1787	0.0662	29	488	508	K EVYCVQAPSETSSNLGS LKSK	Carbamidomethyl (C)[4]	Mascot	
	2298.9324	2299.1938	0.2614	114	1021	1039	ECGQGYRYQAMVCYDQ DNR		Mascot	
	2996.3411	2996.4929	0.1518	51	916	942	FAGPMPQLTQSCQLPCQ DDCQLTAWSK		Mascot	
23	PREDICTED: protein polybromo-1 [Danio rerio]				gi 292618678	182606.5	6.31	19	35	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	842.4981	842.5103	0.0122	14	1086	1093	ALPSVIDK					Mascot
	850.4491	850.5427	0.0936	110	1064	1071	VASMFAPK					Mascot
	870.5406	870.5443	0.0037	4	744	750	LIQELVR					Mascot
	882.4575	882.5673	0.1098	124	1002	1008	CVVMFVK			Carbamidomethyl (C)[1]		Mascot
	916.5396	916.5383	-0.0013	-1	1561	1567	LRDLMLR					Mascot
	916.5396	916.5383	-0.0013	-1	1561	1567	LRDLMLR	1		0		Mascot
	923.4879	923.4473	-0.0406	-44	560	566	LMFRNAR			Oxidation (M)[2]		Mascot
	923.4879	923.4473	-0.0406	-44	560	566	LMFRNAR	3		0 Oxidation (M)[2]		Mascot
	1021.5425	1021.5065	-0.036	-35	147	154	TKNEFVQR					Mascot
	1021.5425	1021.5065	-0.036	-35	147	154	TKNEFVQR					Mascot
	1073.599	1073.5443	-0.0547	-51	1496	1504	LLHSEAYLK					Mascot
	1078.5779	1078.5513	-0.0266	-25	629	637	LNELYEAVK					Mascot
	1179.5901	1179.614	0.0239	20	1042	1051	MWTMPLSSVK					Mascot
	1273.7296	1273.6187	-0.1109	-87	491	502	MKALLAAVAETR					Mascot
	1516.8118	1516.6671	-0.1447	-95	1374	1386	LVGTEWRNLEATK					Mascot
	1611.7617	1611.7488	-0.0129	-8	62	74	DDQGRMLCELFIR			Oxidation (M)[6]		Mascot
	1694.8757	1694.8936	0.0179	11	1042	1055	MWTMPLSSVKFVPR			Oxidation (M)[1]		Mascot
	1694.8757	1694.8936	0.0179	11	1042	1055	MWTMPLSSVKFVPR			Oxidation (M)[1]		Mascot
	1710.8843	1710.8848	0.0005	0	284	297	LELEHSEPIKCSIR			Carbamidomethyl (C)[11]		Mascot
	1775.8818	1775.8904	0.0086	5	1342	1356	KINMSGYILFSSEMR					Mascot
	1791.8768	1791.8861	0.0093	5	1342	1356	KINMSGYILFSSEMR			Oxidation (M)[4]		Mascot
	2215.0159	2215.0991	0.0832	38	79	96	RNQPDYYDVVSQPIDMM K			Oxidation (M)[16]		Mascot
	2299.0767	2299.1938	0.1171	51	1177	1196	KEVFLSNLEESCPMTCIG GK			Carbamidomethyl (C)[12,16]		Mascot
	2996.3508	2996.4929	0.1421	47	1178	1203	EVFLSNLEESCPMTCIGG KCTVSSFK			Carbamidomethyl (C)[11,15,20], Oxidation (M)[13]		Mascot

24	Fezl protein [Danio rerio]				gi 55250392	47519.5	9.39	11	35	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
846.4389	846.427	-0.0119	-14	192	199 LACVSPEK				Mascot
1078.5428	1078.5513	0.0085	8	341	349 GFHQKGNYK				Mascot
1201.6172	1201.6284	0.0112	9	16	27 LDDRS GATAAPK				Mascot
1516.7979	1516.6671	-0.1308	-86	313	325 AFNRSSLNTHIR				Mascot
1636.8198	1636.8359	0.0161	10	267	280 HMPVHTGARPVCK		Carbamidomethyl (C)[13]		Mascot
1694.791	1694.8936	0.1026	61	1	15 MASSLPLETVMSCPR		Carbamidomethyl (C)[13], Oxidation (M)[1]		Mascot
1694.791	1694.8936	0.1026	61	1	15 MASSLPLETVMSCPR		Carbamidomethyl (C)[13], Oxidation (M)[1]		Mascot
1698.813	1698.8708	0.0578	34	326	340 IHAGYKPFVCEFCGK				Mascot
1710.7859	1710.8848	0.0989	58	1	15 MASSLPLETVMSCPR		Carbamidomethyl (C)[13], Oxidation (M)[1,11]		Mascot
1716.7354	1716.8713	0.1359	79	411	426 LHDNANCLSGGNDSSR		Carbamidomethyl (C)[7]		Mascot
1961.837	1961.8831	0.0461	23	95	113 GALCTSAAMCKTNCGVCSK		Carbamidomethyl (C)[4,10]		Mascot
2216.0376	2216.0835	0.0459	21	248	266 NFTCEVCGKVFNAHYNLTR				Mascot
2216.0376	2216.0835	0.0459	21	248	266 NFTCEVCGKVFNAHYNLTR				Mascot
2254.061	2254.0342	-0.0268	-12	369	386 AFHQIYNLTFHMHNDK				Mascot

25 PREDICTED: coenzyme Q-binding protein COQ10 homolog A, mitochondrial [Danio rerio]

gi|125852943 28864.7 9.67 8 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
916.4498	916.5383	0.0885	97	114	120 HFVPWCK				Mascot
916.4498	916.5383	0.0885	97	114	120 HFVPWCK				Mascot
1123.5676	1123.434	-0.1336	-119	218	226 QMVAAFERR		Oxidation (M)[2]		Mascot
1201.6688	1201.6284	-0.0404	-34	230	239 LYGPETRI PR				Mascot
1636.8264	1636.8359	0.0095	6	237	249 IPRELMFHEVHQT				Mascot
1726.8468	1726.8834	0.0366	21	16	30 TFSEFLEIATVGPCR		Carbamidomethyl (C)[14]		Mascot
2211.1274	2211.1128	-0.0146	-7	41	58 IQHWSIRHLSSCGILMTR		Carbamidomethyl (C)[12], Oxidation (M)[16]		Mascot
2555.1792	2555.1926	0.0134	5	93	113 RILGYSMQEMYEVVANVDDYK		Oxidation (M)[7,10]		Mascot
2555.1792	2555.1926	0.0134	5	93	113 RILGYSMQEMYEVVANVDDYK		Oxidation (M)[7,10]		Mascot
3337.5366	3337.7722	0.2356	71	94	120 ILGYSMQEMYEVVANVDYKHFVPWCK		Carbamidomethyl (C)[26], Oxidation (M)[6]		Mascot

26 breast cancer 2, early onset [Danio rerio]

gi|302318878 317047.5 6.06 24 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
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	846.4064	846.427	0.0206	24	2391	2397	AEDREAR						Mascot
	877.4447	877.4234	-0.0213	-24	438	444	CLDQTLK				Carbamidomethyl (C)[1]		Mascot
	877.4447	877.4234	-0.0213	-24	438	444	CLDQTLK				Carbamidomethyl (C)[1]		Mascot
	1021.5676	1021.5065	-0.0611	-60	1310	1319	VAFSATGLQK						Mascot
	1021.5676	1021.5065	-0.0611	-60	1310	1319	VAFSATGLQK						Mascot
	1130.6165	1130.5957	-0.0208	-18	1020	1029	VSEKALEQAR						Mascot
	1201.6	1201.6284	0.0284	24	2333	2341	WDTKLGYYR						Mascot
	1256.7144	1256.7015	-0.0129	-10	2666	2676	ALVAICNLQVR				Carbamidomethyl (C)[6]		Mascot
	1256.7144	1256.7015	-0.0129	-10	2666	2676	ALVAICNLQVR				Carbamidomethyl (C)[6]		Mascot
	1273.6569	1273.6187	-0.0382	-30	2463	2473	LSHKQMEAVSK				Oxidation (M)[6]		Mascot
	1401.7406	1401.6125	-0.1281	-91	433	444	ADLPKCLDQTLK				Carbamidomethyl (C)[6]		Mascot
	1401.7406	1401.6125	-0.1281	-91	433	444	ADLPKCLDQTLK				Carbamidomethyl (C)[6]		Mascot
	1611.7972	1611.7488	-0.0484	-30	844	858	TNASSVNTSDLISFR						Mascot
	1694.7479	1694.8936	0.1457	86	1515	1530	AVFAGCDEASFSHEPK						Mascot
	1694.7479	1694.8936	0.1457	86	1515	1530	AVFAGCDEASFSHEPK						Mascot
	1699.0013	1698.8708	-0.1305	-77	2045	2059	RQTIRPVPGSLYLAK						Mascot
	1716.8148	1716.8713	0.0565	33	1428	1443	AVFAGCDETSFSLELK						Mascot
	1718.8101	1718.8691	0.059	34	634	647	HFHVTETMCKSVSR				Carbamidomethyl (C)[9]		Mascot
	1945.9899	1945.8909	-0.099	-51	386	402	LESSPEGTQCQKILLDK				Carbamidomethyl (C)[10]		Mascot
	1961.7675	1961.8831	0.1156	59	684	700	MNFSNCSLPQSDESDCK				Carbamidomethyl (C)[6]		Mascot
	2133.0215	2132.8389	-0.1826	-86	626	643	TSNQTKPKHFHVTETMC K				Oxidation (M)[16]		Mascot
	2211.0498	2211.1128	0.063	28	995	1014	DKTDVVVCVDSNIHFGFST AR						Mascot
	2214.9753	2215.0991	0.1238	56	1322	1339	NLFRGCEEEELTTEQNC K				Carbamidomethyl (C)[6,17]		Mascot
	2236.9307	2237.0815	0.1508	67	681	700	GFKMNFSNCSLPQSDES DCK						Mascot
	2238.1135	2238.103	-0.0105	-5	295	314	ITNSSEDEVKSVFLTSEPE QK						Mascot
	2254.0696	2254.0342	-0.0354	-16	2138	2158	GTVGKEEFFSALCDTPG VDPK				Carbamidomethyl (C)[13]		Mascot
	2300.1438	2300.1829	0.0391	17	1208	1227	TDLINNLDQEAPQKEVCE LK						Mascot
	2996.3738	2996.4929	0.1191	40	2067	2093	SLRDAVGCTCPSQYTQD ELSQHGVHHK						Mascot
	3338.5771	3338.7644	0.1873	56	1078	1108	ISQPDSGVANQISNGADI TTFNSENVFQEQQ						Mascot
27	PREDICTED: microtubule-associated protein 6-like [Danio rerio]				gi 292621423		42669	9.6	8	34	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
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	846.429	846.427	-0.002	-2	2	8	AWPCITR										Mascot
	877.456	877.4234	-0.0326	-37	369	375	SKEMINR										Mascot
	877.456	877.4234	-0.0326	-37	369	375	SKEMINR										Mascot
	1159.6721	1159.6293	-0.0428	-37	22	32	GDIAPLVFTK										Mascot
	1165.7052	1165.7476	0.0424	36	317	326	HNLSLTKPKK										Mascot
	1179.6368	1179.614	-0.0228	-19	300	309	IRSLYSEPSK										Mascot
	1694.7747	1694.8936	0.1189	70	1	14	MAWPCITRACCINR						Carbamidomethyl (C)[5]				Mascot
	1694.7747	1694.8936	0.1189	70	1	14	MAWPCITRACCINR						Carbamidomethyl (C)[5]				Mascot
	1698.7727	1698.8708	0.0981	58	9	21	ACCINRFWSELDK						Carbamidomethyl (C)[2,3]				Mascot
	1710.7695	1710.8848	0.1153	67	1	14	MAWPCITRACCINR						Carbamidomethyl (C)[5], Oxidation (M)[1]				Mascot
	2232.123	2232.0613	-0.0617	-28	141	161	GDHPWIPKPTAAAAPCK AESK						Carbamidomethyl (C)[16]				Mascot
28	fibroblast growth factor 5 [Danio rerio]				gi 57222261		25916.6	10.36	7	34	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	877.4559	877.4234	-0.0325	-37	154	161	MGSSPRVK		Oxidation (M)[1]		Mascot
	877.4559	877.4234	-0.0325	-37	154	161	MGSSPRVK		Oxidation (M)[1]		Mascot
	1162.6367	1162.5522	-0.0845	-73	141	149	EWFVALNKR				Mascot
	1636.7384	1636.8359	0.0975	60	102	115	GRLHATESFTDDCK		Carbamidomethyl (C)[13]		Mascot
	1683.0355	1682.9154	-0.1201	-71	2	15	NVPLLLFLLFQLPR				Mascot
	1726.7853	1726.8834	0.0981	57	104	117	LHATESFTDDCKFR		Carbamidomethyl (C)[11]		Mascot
	1814.076	1813.9503	-0.1257	-69	1	15	MNVPLLLFLLFQLPR				Mascot
	1925.0127	1924.9214	-0.0913	-47	189	205	EEEKQPPPHPSKPSLPK				Mascot

29 RNA binding motif protein 19 [Danio rerio] gi|190337757 104446.7 5.84 14 34 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	846.5229	846.427	-0.0959	-113	1	7	MSRLIVK				Mascot
	1045.6365	1045.5497	-0.0868	-83	801	809	QTTSKILVR				Mascot
	1074.5426	1074.5693	0.0267	25	204	212	QDNEKEALK				Mascot
	1074.5426	1074.5693	0.0267	25	204	212	QDNEKEALK				Mascot
	1159.6066	1159.6293	0.0227	20	337	346	SEAEVERALR				Mascot
	1340.6073	1340.6671	0.0598	45	225	235	MVEKSDMLDEK		Oxidation (M)[1]		Mascot
	1401.6678	1401.6125	-0.0553	-39	213	224	TGLSDMDYLRSK		Oxidation (M)[6]		Mascot

	1401.6678	1401.6125	-0.0553	-39	213	224	TGLSDMDYLRSK		Oxidation (M)[6]	Mascot
	1475.7522	1475.7563	0.0041	3	549	561	MALGETQIVQETR			Mascot
	1516.6294	1516.6671	0.0377	25	404	415	NMPYTCTEEDLK		Carbamidomethyl (C)[6], Oxidation (M)[2]	Mascot
	1611.8047	1611.7488	-0.0559	-35	209	222	EALKTGLSDMDYLR			Mascot
	1636.7449	1636.8359	0.091	56	479	494	EKADQGPDPAGSSSYK			Mascot
	1718.8544	1718.8691	0.0147	9	861	875	AFSALCHSTHLYGRR			Mascot
	1775.8759	1775.8904	0.0145	8	861	875	AFSALCHSTHLYGRR		Carbamidomethyl (C)[6]	Mascot
	1924.9183	1924.9214	0.0031	2	21	37	MFADFGTLTDCALKFTK		Oxidation (M)[1]	Mascot
	1946.0706	1945.8909	-0.1797	-92	278	294	STRPAIEPTTEFTVKLR			Mascot
	2238.0754	2238.103	0.0276	12	761	778	AMRQLQHCTVDEHQLEV K		Carbamidomethyl (C)[8], Oxidation (M)[2]	Mascot
30	PREDICTED: sialic acid-binding Ig-like lectin 14-like [Danio rerio]				gi 292621690	30169.7	5.56	7	34	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1162.5674	1162.5522	-0.0152	-13	224	233	YHGNVKGEMK					Mascot
1401.6202	1401.6125	-0.0077	-5	212	223	EDNYTSIECTVK					Mascot
1401.6202	1401.6125	-0.0077	-5	212	223	EDNYTSIECTVK					Mascot
1791.7048	1791.8861	0.1813	101	245	259	YDDEISEENSTCQMK					Mascot
1923.9731	1923.931	-0.0421	-22	92	109	LIGSLGSFNCSLEIDEVK					Mascot
2238.1433	2238.103	-0.0403	-18	90	109	TRLIGSLGSFNCSLEIDEV K			Carbamidomethyl (C)[12]		Mascot
2283.0183	2283.189	0.1707	75	166	183	CSVRHTCPTYQPSFSWN R			Carbamidomethyl (C)[1,7]		Mascot
3337.6279	3337.7722	0.1443	43	32	59	MKALVSSCVVLPNCFTYP VHQQQQPSYR			Carbamidomethyl (C)[8,13]		Mascot

31	PREDICTED: putative uncharacterized zinc finger protein 814-like [Danio rerio]					gi 292610426	61962.5	9.03	14	34	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
846.5308	846.427	-0.1038	-123	477	483	RFILAAAR					Mascot
916.4305	916.5383	0.1078	118	90	97	GSVDVHMR			Oxidation (M)[7]		Mascot
916.4305	916.5383	0.1078	118	90	97	GSVDVHMR			Oxidation (M)[7]		Mascot
996.5472	996.5976	0.0504	51	350	358	IHTGEKPSK					Mascot
1045.5789	1045.5497	-0.0292	-28	365	373	SFTHKGQLK					Mascot
1123.5234	1123.434	-0.0894	-80	243	252	SALTCVQCGK			Carbamidomethyl (C)[5,8]		Mascot
1716.7468	1716.8713	0.1245	73	434	448	YHSGEKLHECPECGK					Mascot

	1718.7625	1718.8691	0.1066	62	154	168	LHTEDGPFICGQCGK					Carbamidomethyl (C)[10,13]	Mascot
	1923.9731	1923.931	-0.0421	-22	2	17	EFIKMEIVDSIDAELR					Oxidation (M)[5]	Mascot
	1945.8755	1945.8909	0.0154	8	294	309	THSGEKPYTCHQCGKR					Carbamidomethyl (C)[10,13]	Mascot
	2215.0569	2215.0991	0.0422	19	458	476	MHLIIHSGERPFSCKDK GK					Carbamidomethyl (C)[14]	Mascot
	2225.1106	2225.1265	0.0159	7	178	196	HHVKIHYAGKPFTCELCG K					Carbamidomethyl (C)[14]	Mascot
	2232.0688	2232.0613	-0.0075	-3	322	341	SHTGEKPFICPQCGKSFT HK						Mascot
	2238.043	2238.103	0.06	27	210	229	IHTGEKPYTCSHCGKSFT NK						Mascot
	2299.0781	2299.1938	0.1157	50	98	117	IHTGERPYACIQCGKSFT CK					Carbamidomethyl (C)[10]	Mascot

32 PREDICTED: tudor domain-containing protein 7-like [Danio rerio] gi|326669649 45873.8 9.21 8 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.4679	870.5443	0.0764	88	298	305	HELVSGTK					Mascot
1123.5929	1123.434	-0.1589	-141	36	44	MTLPSRFQK			Oxidation (M)[1]		Mascot
1694.8068	1694.8936	0.0868	51	263	276	NQVCAAKVENNWYR					Mascot
1694.8068	1694.8936	0.0868	51	263	276	NQVCAAKVENNWYR					Mascot
1710.873	1710.8848	0.0118	7	367	380	KVMIYLVDSQEER					Mascot
1726.868	1726.8834	0.0154	9	367	380	KVMIYLVDSQEER			Oxidation (M)[3]		Mascot
1958.9719	1958.9871	0.0152	8	332	347	QWSEEASIVFRNHVEK					Mascot
2225.1013	2225.1265	0.0252	11	239	256	LVVLMGEMILHYNKMEEK			Oxidation (M)[5,8,15]		Mascot
2283.0308	2283.189	0.1582	69	381	399	DIWLHDIMAEFTDEMTKT A			Oxidation (M)[8]		Mascot
2299.0256	2299.1938	0.1682	73	381	399	DIWLHDIMAEFTDEMTKT A			Oxidation (M)[8,15]		Mascot
2996.6501	2996.4929	-0.1572	-52	306	331	LRPLTQEFQCLPFQAITA QLAGLKPR			Carbamidomethyl (C)[9]		Mascot

33 PREDICTED: zinc finger protein 226-like [Danio rerio] gi|292613304 44890.6 9.21 12 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
923.4217	923.4473	0.0256	28	380	387	HSPKDDPQ					Mascot
923.4217	923.4473	0.0256	28	380	387	HSPKDDPQ					Mascot
1159.5789	1159.6293	0.0504	43	231	239	AENFRVHMR					Mascot
1179.5099	1179.614	0.1041	88	343	351	EDYLSEHMR					Mascot
1340.5908	1340.6671	0.0763	57	286	295	CKYNLACHMK			Carbamidomethyl (C)[1,7], Oxidation (M)[9]		Mascot

1694.7261	1694.8936	0.1675	99	240	254	VHTGESPYTCAQCGK	Carbamidomethyl (C)[10,13]	Mascot
1694.7261	1694.8936	0.1675	99	240	254	VHTGESPYTCAQCGK	Carbamidomethyl (C)[10,13]	Mascot
1718.7836	1718.8691	0.0855	50	72	86	IHTGESLITCDQCGK	Carbamidomethyl (C)[10,13]	Mascot
1924.868	1924.9214	0.0534	28	100	114	THTKEKPYWCTECGK	Carbamidomethyl (C)[10,13]	Mascot
1961.9109	1961.8831	-0.0278	-14	323	338	WLHRTDKPFACDQCGK	Carbamidomethyl (C)[11]	Mascot
2214.9785	2215.0991	0.1206	54	17	35	DQNEEHQDFLPDEPSSV TK		Mascot
2216.0376	2216.0835	0.0459	21	128	145	IHTGEKPFSCQYCGKTFR	Carbamidomethyl (C)[10,13]	Mascot
2216.0376	2216.0835	0.0459	21	128	145	IHTGEKPFSCQYCGKTFR	Carbamidomethyl (C)[10,13]	Mascot
2225.0479	2225.1265	0.0786	35	296	314	IHTGEKPFCTDECCKSFL R	Carbamidomethyl (C)[10]	Mascot
2237.0525	2237.0815	0.029	13	180	198	VHMRHTGEKPFACEHC GK	Carbamidomethyl (C)[14]	Mascot

34 PREDICTED: rapamycin-insensitive companion of mTOR, partial [Danio rerio] gi|326667603 180801.9 7.89 18 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
846.3708	846.427	0.0562	66	1055	1060	LMHCNR			Carbamidomethyl (C)[4], Oxidation (M)[2]		Mascot
870.4832	870.5443	0.0611	70	493	499	WPNVNLK					Mascot
877.4162	877.4234	0.0072	8	923	930	ASGWDSVR					Mascot
877.4162	877.4234	0.0072	8	923	930	ASGWDSVR					Mascot
1051.5782	1051.7157	0.1375	131	758	766	GYVSKQLEK					Mascot
1074.5426	1074.5693	0.0267	25	1367	1377	TSPPAGDKSSK					Mascot
1074.5426	1074.5693	0.0267	25	1367	1377	TSPPAGDKSSK					Mascot
1162.5851	1162.5522	-0.0329	-28	792	801	KPVDGDNYVR					Mascot
1179.6957	1179.614	-0.0817	-69	402	412	LRASAAVNHLK					Mascot
1340.6692	1340.6671	-0.0021	-2	1036	1048	SPTDTKGTSTFTAK					Mascot
1401.7888	1401.6125	-0.1763	-126	512	522	RLLYFYKPSSK					Mascot
1401.7888	1401.6125	-0.1763	-126	512	522	RLLYFYKPSSK					Mascot
1646.9154	1646.8207	-0.0947	-58	118	132	MVRACIAICELALK					Mascot
1710.8843	1710.8848	0.0005	0	656	670	ILTAATDNCRLYATK			Carbamidomethyl (C)[9]		Mascot
1718.9006	1718.8691	-0.0315	-18	1185	1199	MQHSLSNNHILLSK					Mascot
1945.9813	1945.8909	-0.0904	-46	444	458	DQQHHRPHKDIYIMK					Mascot
1961.9763	1961.8831	-0.0932	-48	444	458	DQQHHRPHKDIYIMK			Oxidation (M)[14]		Mascot
2133.0034	2132.8389	-0.1645	-77	611	628	MLEKCGVFQCLLNLCMSK			Carbamidomethyl (C)[5], Oxidation (M)[1]		Mascot
2211.1987	2211.1128	-0.0859	-39	121	140	ACIAICELALKNPEVVAQ R			Carbamidomethyl (C)[2]		Mascot
2298.2312	2298.1926	-0.0386	-17	1254	1274	LQQQRIHPSLSHSEALAS PAK					Mascot

35	keratin 18 [Danio rerio]	2555.3464	2555.1926	-0.1538	-60	1301	1323	ALSFASLDKEDLLSPINHS TLQR	Mascot
		2555.3464	2555.1926	-0.1538	-60	1301	1323	ALSFASLDKEDLLSPINHS TLQR	Mascot
		3337.5789	3337.7722	0.1933	58	1329	1358	SMVSSATFGCSEDYIGLA LPLDINNMFQIK	Carbamidomethyl (C)[10], Oxidation (M)[2] Mascot
		qj29335504	41247.4	5.07	9	33	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
846.4315	846.427	-0.0045	-5	226	232	SEVNELR					Mascot
882.4753	882.5673	0.092	104	188	194	YEKMALK					Mascot
996.4996	996.5976	0.098	98	100	107	YESELSIR					Mascot
1045.4697	1045.5497	0.08	77	52	60	GPDVHDYSR					Mascot
1073.5474	1073.5443	-0.0031	-3	323	331	LQDALEEQK					Mascot
1078.6255	1078.5513	-0.0742	-69	23	31	LASYLEKVR					Mascot
1201.6423	1201.6284	-0.0139	-12	323	332	LQDALEEQKK					Mascot
1256.5688	1256.7015	0.1327	106	148	157	NHDNEVMELR					Mascot
1256.5688	1256.7015	0.1327	106	148	157	NHDNEVMELR	1	0			Mascot
1340.6879	1340.6671	-0.0208	-16	303	313	MKLEAEIATYR			Oxidation (M)[1]		Mascot

36	Zgc:195056 [Danio rerio]	gi 190337597	56955.3	6.95	9	33	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4366	842.5103	0.0737	87	260	267	TLDPGSPR					Mascot
1123.5717	1123.434	-0.1377	-123	430	439	CFIAFGVGPR			Carbamidomethyl (C)[1]		Mascot
1475.6658	1475.7563	0.0905	61	484	495	YPETFSIICCSR			Carbamidomethyl (C)[9]		Mascot
1710.8949	1710.8848	-0.0101	-6	268	281	DFIDGYLLEIEKQK					Mascot
1792.0844	1791.8861	-0.1983	-111	449	463	TALFLFITSLLQRIR					Mascot
1958.9792	1958.9871	0.0079	4	364	381	CGNIAPFGLFHETVQPTK					Mascot
2216.1455	2216.0835	-0.062	-28	464	483	FSLPPDAKPMMDGILSII R					Mascot
2216.1455	2216.0835	-0.062	-28	464	483	FSLPPDAKPMMDGILSII R					Mascot
2232.1404	2232.0613	-0.0791	-35	464	483	FSLPPDAKPMMDGILSII R			Oxidation (M)[10]		Mascot
2238.1687	2238.103	-0.0657	-29	147	165	SLESRVLEESQYLIAEML K					Mascot
2254.1636	2254.0342	-0.1294	-57	147	165	SLESRVLEESQYLIAEML K			Oxidation (M)[17]		Mascot
2300.2737	2300.1829	-0.0908	-39	37	57	CRFPPGPTPLPFVGNLP HLLK					Mascot

37 Pip5k3 protein [Danio rerio] gi|33604217 106353.4 7.95 14 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
846.5117	846.427	-0.0847	-100	889	895	KLEMVVK					Mascot
916.5284	916.5383	0.0099	11	186	193	GCVQIVLK			Carbamidomethyl (C)[2]		Mascot
916.5284	916.5383	0.0099	11	186	193	GCVQIVLK			Carbamidomethyl (C)[2]		Mascot
1021.5173	1021.5065	-0.0108	-11	66	73	QREGTQFR					Mascot
1021.5173	1021.5065	-0.0108	-11	66	73	QREGTQFR					Mascot
1123.5742	1123.434	-0.1402	-125	445	455	NPSPVVPNGDK					Mascot
1162.6102	1162.5522	-0.058	-50	404	412	LQELFQQEK					Mascot
1179.6805	1179.614	-0.0665	-56	283	292	LLEICLPPPK			Carbamidomethyl (C)[5]		Mascot
1401.6025	1401.6125	0.01	7	340	350	EEKMEDMFAQK			Oxidation (M)[4]		Mascot
1401.6025	1401.6125	0.01	7	340	350	EEKMEDMFAQK			Oxidation (M)[4]		Mascot
1564.8152	1564.7472	-0.068	-43	906	918	MPTVVSPELYRTR			Oxidation (M)[1]		Mascot
1694.8795	1694.8936	0.0141	8	825	838	LVHDNPLYIRSHCK					Mascot
1694.8795	1694.8936	0.0141	8	825	838	LVHDNPLYIRSHCK					Mascot
1710.9247	1710.8848	-0.0399	-23	775	788	LDLLVMENLFYGRK					Mascot
1718.8126	1718.8691	0.0565	33	611	626	NSPAKPSDNSMSQLSR					Mascot
1726.9196	1726.8834	-0.0362	-21	775	788	LDLLVMENLFYGRK			Oxidation (M)[6]		Mascot
1924.8721	1924.9214	0.0493	26	926	941	YFLMVPDHW SGLGLNC			Carbamidomethyl (C)[16], Oxidation (M)[4]		Mascot
1945.976	1945.8909	-0.0851	-44	609	626	VKN SPAKPSDNSMSQLS R					Mascot
1961.9709	1961.8831	-0.0878	-45	609	626	VKN SPAKPSDNSMSQLS R			Oxidation (M)[13]		Mascot
2133.0745	2132.8389	-0.2356	-110	806	824	TDQ GKESCEVLLDENLL K					Mascot

38 PREDICTED: tight junction-associated protein 1-like [Danio rerio] gi|326672789 73121.9 5.65 10 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.4744	996.5976	0.1232	124	658	666	AQEHGNLLD					Mascot
1130.6	1130.5957	-0.0043	-4	644	652	MGVHHLHRK			Oxidation (M)[1]		Mascot
1256.6593	1256.7015	0.0422	34	42	51	ILQQQNEDLR					Mascot
1256.6593	1256.7015	0.0422	34	42	51	ILQQQNEDLR	2	0			Mascot
1475.6833	1475.7563	0.073	49	405	420	SGTSSSSGGGIASHQR					Mascot
1564.7887	1564.7472	-0.0415	-27	136	148	KTMDQEIVELTNK			Oxidation (M)[3]		Mascot

	1646.8352	1646.8207	-0.0145	-9	168	181	QDCNLAVQLLKCNK		Carbamidomethyl (C)[3]		Mascot
	1682.8094	1682.9154	0.106	63	189	202	FADLPYELQDMVNK				Mascot
	1698.8043	1698.8708	0.0665	39	189	202	FADLPYELQDMVNK		Oxidation (M)[11]		Mascot
	1924.863	1924.9214	0.0584	30	587	604	RQEFAEDVGSAGSSAEE R				Mascot
	1945.8158	1945.8909	0.0751	39	507	525	GAYSDGEEGSSAQSWT ASR				Mascot
	2216.05	2216.0835	0.0335	15	470	490	MAPSSDGLVNRTSFSS ETVK		Oxidation (M)[1]		Mascot
	2216.05	2216.0835	0.0335	15	470	490	MAPSSDGLVNRTSFSS ETVK		Oxidation (M)[1]		Mascot
39	PREDICTED: zinc finger protein 84-like [Danio rerio]				gi 326667370		65643.1	9.45	13	33	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5155	882.5673	0.0518	59	475	481	ELKLHSR					Mascot
1021.5247	1021.5065	-0.0182	-18	116	123	GYLKTHMR			Oxidation (M)[7]		Mascot
1021.5247	1021.5065	-0.0182	-18	116	123	GYLKTHMR			Oxidation (M)[7]		Mascot
1073.552	1073.5443	-0.0077	-7	171	179	KGTLNTHMR			Oxidation (M)[8]		Mascot
1074.5612	1074.5693	0.0081	8	87	95	KSSLDLHMK			Oxidation (M)[8]		Mascot
1074.5612	1074.5693	0.0081	8	87	95	KSSLDLHMK			Oxidation (M)[8]		Mascot
1159.6218	1159.6293	0.0075	6	482	491	LHSDSVKAFR					Mascot
1710.8302	1710.8848	0.0546	32	258	272	TKTEEKPFACVQCAR					Mascot
1791.8152	1791.8861	0.0709	40	342	356	IHTGEKPFCEQCGK			Carbamidomethyl (C)[10,13]		Mascot
1813.8723	1813.9503	0.078	43	260	275	TEEKPFACVQCARGFK					Mascot
2210.978	2211.1128	0.1348	61	96	115	AHMGEKPYACAECGKSF THK			Oxidation (M)[3]		Mascot
2216.0195	2216.0835	0.064	29	172	190	GTLNTHMRSHSGENHHI CK			Carbamidomethyl (C)[18]		Mascot
2216.0195	2216.0835	0.064	29	172	190	GTLNTHMRSHSGENHHI CK			Carbamidomethyl (C)[18]		Mascot
2232.0144	2232.0613	0.0469	21	172	190	GTLNTHMRSHSGENHHI CK			Carbamidomethyl (C)[18], Oxidation (M)[7]		Mascot
2236.9233	2237.0815	0.1582	71	124	143	SHNEESSYSCALCDSSF SRK					Mascot
2238.0793	2238.103	0.0237	11	426	444	VHTGEKPFVCECGKSF TR			Carbamidomethyl (C)[10,13]		Mascot
2284.0532	2284.1787	0.1255	55	204	222	AHMRHTGEKPYECPQC QR					Mascot
2300.0481	2300.1829	0.1348	59	204	222	AHMRHTGEKPYECPQC QR			Oxidation (M)[3]		Mascot

40 PREDICTED: intermediate filament family orphan 1 [Danio rerio] gi|326676513 70799.8 4.95 10 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	1045.575	1045.5497	-0.0253	-24	570	578	RLITQSGDR						Mascot
	1078.4775	1078.5513	0.0738	68	1	8	MPDFEHFR						Mascot
	1159.6317	1159.6293	-0.0024	-2	96	106	NDLGSNISVLK						Mascot
	1179.662	1179.614	-0.048	-41	511	520	VIKDTESLFK						Mascot
	1401.7307	1401.6125	-0.1182	-84	114	124	CFLAKVHELER			Carbamidomethyl (C)[1]			Mascot
	1401.7307	1401.6125	-0.1182	-84	114	124	CFLAKVHELER			Carbamidomethyl (C)[1]			Mascot
	1611.6423	1611.7488	0.1065	66	547	558	HLHEMEMCSMK			Carbamidomethyl (C)[9], Oxidation (M)[6]			Mascot
	1694.7271	1694.8936	0.1665	98	547	559	HLHEMEMCSMKR						Mascot
	1694.7271	1694.8936	0.1665	98	547	559	HLHEMEMCSMKR						Mascot
	1710.7219	1710.8848	0.1629	95	547	559	HLHEMEMCSMKR			Oxidation (M)[6]			Mascot
	1718.7744	1718.8691	0.0947	55	1	13	MPDFEHFRFSYSR						Mascot
	1726.7168	1726.8834	0.1666	96	547	559	HLHEMEMCSMKR			Oxidation (M)[6,8]			Mascot
	2214.8857	2215.0991	0.2134	96	542	558	SDMNRHLHEMEMCSM K			Carbamidomethyl (C)[14], Oxidation (M)[3]			Mascot
	2237.1184	2237.0815	-0.0369	-16	523	541	EKEYQDTIDQIELELATAK						Mascot
41	lft81 protein [Danio rerio]				gi 145337899		29908.3	5.76	8	33	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.5519	870.5443	-0.0076	-9	200	206	VLRQQVK					Mascot
1045.5636	1045.5497	-0.0139	-13	14	21	TEEILRER					Mascot
1078.4647	1078.5513	0.0866	80	138	146	EETAQEEER					Mascot
1162.5885	1162.5522	-0.0363	-31	170	179	ISQSMQVQVR					Mascot
1694.8568	1694.8936	0.0368	22	22	36	HTAGQQQLQSLEAQR					Mascot
1694.8568	1694.8936	0.0368	22	22	36	HTAGQQQLQSLEAQR					Mascot
1791.96	1791.8861	-0.0739	-41	187	202	YIANTAEQESLGKVLRL					Mascot
2225.0879	2225.1265	0.0386	17	147	163	YHHINCEREIIESQIQR			Carbamidomethyl (C)[6]		Mascot
2283.1914	2283.189	-0.0024	-1	234	254	QCYLKAQSQAPIGHVIQD VGK					Mascot

42 PREDICTED: zinc finger protein 567-like [Danio rerio] gi|189534954 36469.3 9.94 10 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
923.5421	923.4473	-0.0948	-103	47	54	GLLTNHIR					Mascot
923.5421	923.4473	-0.0948	-103	47	54	GLLTNHIR					Mascot
1051.6371	1051.7157	0.0786	75	46	54	KGLLTNHIR					Mascot

1078.5891	1078.5513	-0.0378	-35	210	218	TFVRDAELK							Mascot
1611.806	1611.7488	-0.0572	-35	246	258	VHERMHTGEKPYK							Mascot
1646.7413	1646.8207	0.0794	48	139	153	IHSGVKSFACDHCDK							Mascot
1961.8745	1961.8831	0.0086	4	55	72	VHTGEKPFACDHCGASF R							Mascot
2224.9534	2225.1265	0.1731	78	107	125	DHMTIHTDDKPHKCDQC GK	Oxidation (M)[3]						Mascot
2237.0049	2237.0815	0.0766	34	55	74	VHTGEKPFACDHCGASF RMK	Oxidation (M)[19]						Mascot
2297.9597	2298.1926	0.2329	101	274	292	MHERTHTGENPYHCPQC GK	Carbamidomethyl (C)[14], Oxidation (M)[1]						Mascot
2555.1702	2555.1926	0.0224	9	79	100	EHMTIHTGLRPHTCDQC GLSFR	Oxidation (M)[3]						Mascot
2555.1702	2555.1926	0.0224	9	79	100	EHMTIHTGLRPHTCDQC GLSFR	Oxidation (M)[3]						Mascot
43	KIAA0682-like [Danio rerio]				gi 49619013	104514.8	5.93	14	32	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
846.5229	846.427	-0.0959	-113	1	7	MSRLIVK					Mascot
1045.6365	1045.5497	-0.0868	-83	802	810	QTTSKILVR					Mascot
1074.5426	1074.5693	0.0267	25	205	213	QDNEKEALK					Mascot
1074.5426	1074.5693	0.0267	25	205	213	QDNEKEALK					Mascot
1159.6066	1159.6293	0.0227	20	338	347	SEAEVERALR					Mascot
1340.6073	1340.6671	0.0598	45	226	236	MVEKSDMLDEK			Oxidation (M)[1]		Mascot
1401.6678	1401.6125	-0.0553	-39	214	225	TGLSDMDYLRSK			Oxidation (M)[6]		Mascot
1401.6678	1401.6125	-0.0553	-39	214	225	TGLSDMDYLRSK			Oxidation (M)[6]		Mascot
1475.7522	1475.7563	0.0041	3	550	562	MALGETQIVQETR					Mascot
1516.6294	1516.6671	0.0377	25	405	416	NMPYTCTEEDLK			Carbamidomethyl (C)[6], Oxidation (M)[2]		Mascot
1611.8047	1611.7488	-0.0559	-35	210	223	EALKTGLSDMDYLRL					Mascot
1636.7449	1636.8359	0.091	56	480	495	EKADQGPDPAGSSSYK					Mascot
1718.8544	1718.8691	0.0147	9	862	876	AFSALCHSTHLYGRR					Mascot
1775.8759	1775.8904	0.0145	8	862	876	AFSALCHSTHLYGRR			Carbamidomethyl (C)[6]		Mascot
1924.9183	1924.9214	0.0031	2	21	37	MFADFGTLTDCALKFTK			Oxidation (M)[1]		Mascot
1946.0706	1945.8909	-0.1797	-92	279	295	STRPAIEPTTEFTVKLR					Mascot
2238.0754	2238.103	0.0276	12	762	779	AMRQLQHCTVDEHQLEV K			Carbamidomethyl (C)[8], Oxidation (M)[2]		Mascot

44 RecName: Full=Tudor domain-containing protein 7B gi|334351210 121757 8.62 13 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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[illegible]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.5294	882.5673	0.0379	43	122	129	ELSLPPVK					Mascot
916.5461	916.5383	-0.0078	-9	114	121	IKNTEIAK					Mascot
916.5461	916.5383	-0.0078	-9	114	121	IKNTEIAK					Mascot
1045.5636	1045.5497	-0.0139	-13	42	51	NVGSLDKNAK					Mascot
1256.6382	1256.7015	0.0633	50	32	41	KVVDHYENPR					Mascot
1256.6382	1256.7015	0.0633	50	32	41	KVVDHYENPR					Mascot
1682.9622	1682.9154	-0.0468	-28	9	24	CAAPQILKTLAPTLR					Mascot
1958.9785	1958.9871	0.0086	4	49	68	NAKNVGTGLVGAPACGD VMK			Carbamidomethyl (C)[15]		Mascot

46 novel protein similar to vertebrate ataxin 10 (ATXN10)
[Danio rerio]

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	846.5043	846.427	-0.0773	-91	231	237 STELIRK					Mascot
	1123.5378	1123.434	-0.1038	-92	125	134 GSNDIYDALR					Mascot
	1646.8431	1646.8207	-0.0224	-14	381	395 LIGNLCHGHVVNQDK					Mascot
	1959.0341	1958.9871	-0.047	-24	381	397 LIGNLCHGHVVNQDKVR			Carbamidomethyl (C)[6]		Mascot
	2237.2083	2237.0815	-0.1268	-57	376	395 AHLIRLIGNLCHGHVVNQDK					Mascot
	2238.0422	2238.103	0.0608	27	90	109 NACVQCTQNQCRLDLGSIK			Carbamidomethyl (C)[3]		Mascot
	2283.0354	2283.189	0.1536	67	266	286 DCLMPLSAAQFLASCFTDHGR					Mascot
	2299.0305	2299.1938	0.1633	71	266	286 DCLMPLSAAQFLASCFTDHGR			Oxidation (M)[4]		Mascot
	2996.4717	2996.4929	0.0212	7	125	151 GSNDIYDALRCGIQFLGNI AVGNQLCK			Carbamidomethyl (C)[11,26]		Mascot
47	PREDICTED: ribonuclease inhibitor-like [Danio rerio]				gi 326678374	93203.1	5.41	13	32	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	846.4315	846.427	-0.0045	-5	234	240 ELNLSDR					Mascot
	1074.5975	1074.5693	-0.0282	-26	134	142 LNNCKLLEK					Mascot
	1074.5975	1074.5693	-0.0282	-26	134	142 LNNCKLLEK					Mascot
	1201.6245	1201.6284	0.0039	3	422	432 LSALLMDSHSK					Mascot
	1516.8152	1516.6671	-0.1481	-98	471	484 LLD SGVRGICEGLK			Carbamidomethyl (C)[10]		Mascot
	1682.8418	1682.9154	0.0736	44	648	661 ELTDLLQDPHCTLK			Carbamidomethyl (C)[11]		Mascot
	1698.8156	1698.8708	0.0552	32	665	679 FLSPADEVQYVTR					Mascot
	1710.9128	1710.8848	-0.028	-16	447	462 SCSVLATCLSSKITLK			Carbamidomethyl (C)[2]		Mascot
	1726.8978	1726.8834	-0.0144	-8	246	260 EMVQLAALLQDKHCK					Mascot
	1791.8541	1791.8861	0.032	18	577	592 ELDMSNNNLQDSGVKK					Mascot
	2225.094	2225.1265	0.0325	15	814	832 LENS GVKNLSDLLMPYQCK			Carbamidomethyl (C)[18], Oxidation (M)[14]		Mascot
	2298.1316	2298.1926	0.061	27	268	290 GCGLTEESCSALATVLKSNSSLK					Mascot
	2300.093	2300.1829	0.0899	39	438	458 LNNCELTEKSCSVLATCLSSK			Carbamidomethyl (C)[4]		Mascot
	3338.6758	3338.7644	0.0886	27	197	227 MNQTKSLLTPSQFLSPAA EEACQFVTGVVGK			Carbamidomethyl (C)[22]		Mascot
48	PREDICTED: hypothetical protein LOC100535449 [Danio rerio]				gi 326675262	15714.9	10.22	7	32	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
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	1021.5789	1021.5065	-0.0724	-71	131	139	VKTGFSNLR											Mascot
	1021.5789	1021.5065	-0.0724	-71	131	139	VKTGFSNLR											Mascot
	1165.6323	1165.7476	0.1153	99	38	47	SNNVKSFITR											Mascot
	1710.9108	1710.8848	-0.026	-15	115	130	VGHHATLVKGLGCSFK						Carbamidomethyl (C)[13]					Mascot
	1945.853	1945.8909	0.0379	19	1	18	MSFSASAACPLSSAHSY R						Carbamidomethyl (C)[9], Oxidation (M)[1]					Mascot
	1961.9427	1961.8831	-0.0596	-30	89	105	GIGVCCMSYSRMILLR						Carbamidomethyl (C)[5], Oxidation (M)[7]					Mascot
	2283.99	2284.1787	0.1887	83	78	99	SMMVGSTSSPKGIGVCC MSYSR						Oxidation (M)[2]					Mascot
	2299.9849	2300.1829	0.198	86	78	99	SMMVGSTSSPKGIGVCC MSYSR						Oxidation (M)[2,3]					Mascot
	2555.2522	2555.1926	-0.0596	-23	65	88	LLMMLSLQGCTPRSMV GSTSSPK											Mascot
	2555.2522	2555.1926	-0.0596	-23	65	88	LLMMLSLQGCTPRSMV GSTSSPK											Mascot

49

PREDICTED: neuroblast differentiation-associated protein AHNAK-like [Danio rerio]

gi|326672815

410609.3

5.24

2

21

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1074.4698	1074.5693	0.0995	93	1009	1018	STDTDSSPHK	9	0		3	Mascot
1401.6501	1401.6125	-0.0376	-27	1479	1490	DSFVTMRGVDMK	13	0	Oxidation (M)[6]	2	Mascot

50

PREDICTED: regulation of nuclear pre-mRNA domain-containing protein 2, partial [Danio rerio]

gi|326674556

117214.6

9.13

1

19

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
916.4821	916.5383	0.0562	61	1078	1084	RPFMPPR	19	0	Oxidation (M)[4]	2	Mascot

Gel Idx/Pos	221/I21	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	RecName: Full=Serine/arginine-rich splicing factor 1A; AltName: Full=Splicing factor, arginine/seri	gi 269849649	28366	10.3	13	441	100	349	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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916.5363	916.5395	0.0032	3	83	89	LRVEFPR	27	37.893		Mascot
916.5363	916.5395	0.0032	3	83	89	LRVEFPR				Mascot
1009.4584	1009.4604	0.002	2	65	73	DAEDAVYAR				Mascot
1078.5527	1078.5535	0.0008	1	164	173	DGTGVVEFVR	45	98.995		Mascot
1078.5527	1078.5535	0.0008	1	164	173	DGTGVVEFVR				Mascot
1123.4327	1123.4373	0.0046	4	74	82	DGYDYDGYR				Mascot
1128.5354	1128.541	0.0056	5	175	183	EDMTYAVRK			Oxidation (M)[3]	Mascot
1162.5487	1162.5543	0.0056	5	191	200	SHEGETAYIR				Mascot
1256.6997	1256.7063	0.0066	5	17	27	IYVGNLPPDIR				Mascot
1256.6997	1256.7063	0.0066	5	17	27	IYVGNLPPDIR	87	100		Mascot
1401.6104	1401.6169	0.0065	5	152	163	EAGDVCYADVFR			Carbamidomethyl (C)[6]	Mascot
1401.6104	1401.6169	0.0065	5	152	163	EAGDVCYADVFR	108	100	Carbamidomethyl (C)[6]	Mascot
1516.6635	1516.6703	0.0068	4	97	118	GGFGGGGGGGGGGGG GGGGAPR				Mascot
1564.743	1564.7493	0.0063	4	51	64	GGPPFAFVEFEDPR				Mascot
1682.9111	1682.9185	0.0074	4	132	147	VIVSGLPPSGSWQDLK				Mascot
2222.1387	2222.1399	0.0012	1	132	151	VIVSGLPPSGSWQDLKD HMR				Mascot
2238.1335	2238.1309	-0.0026	-1	132	151	VIVSGLPPSGSWQDLKD HMR			Oxidation (M)[19]	Mascot
2555.1836	2555.1997	0.0161	6	51	73	GGPPFAFVEFEDPRDAE DAVYAR	82	100		Mascot
2555.1836	2555.1997	0.0161	6	51	73	GGPPFAFVEFEDPRDAE DAVYAR				Mascot

2

serine/arginine-rich splicing factor 1A [Danio rerio]

gi|47087630

26838.2

10.06

12

427

100

349

100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
916.5363	916.5395	0.0032	3	83	89	LRVEFPR	27	37.893			Mascot
916.5363	916.5395	0.0032	3	83	89	LRVEFPR					Mascot
1009.4584	1009.4604	0.002	2	65	73	DAEDAVYAR					Mascot
1078.5527	1078.5535	0.0008	1	165	174	DGTGVVEFVR	45	98.995			Mascot
1078.5527	1078.5535	0.0008	1	165	174	DGTGVVEFVR					Mascot
1123.4327	1123.4373	0.0046	4	74	82	DGYDYDGYR					Mascot
1128.5354	1128.541	0.0056	5	176	184	EDMTYAVRK			Oxidation (M)[3]		Mascot
1162.5487	1162.5543	0.0056	5	192	201	SHEGETAYIR					Mascot
1256.6997	1256.7063	0.0066	5	17	27	IYVGNLPPDIR					Mascot
1256.6997	1256.7063	0.0066	5	17	27	IYVGNLPPDIR	87	100			Mascot
1401.6104	1401.6169	0.0065	5	153	164	EAGDVCYADVFR			Carbamidomethyl (C)[6]		Mascot
1401.6104	1401.6169	0.0065	5	153	164	EAGDVCYADVFR	108	100	Carbamidomethyl (C)[6]		Mascot

	1564.743	1564.7493	0.0063	4	51	64	GGPPFAFVEFEDPR										Mascot
	1682.9111	1682.9185	0.0074	4	133	148	VIVSGLPPSGSWQDLK										Mascot
	2222.1387	2222.1399	0.0012	1	133	152	VIVSGLPPSGSWQDLKD HMR										Mascot
	2238.1335	2238.1309	-0.0026	-1	133	152	VIVSGLPPSGSWQDLKD HMR						Oxidation (M)[19]				Mascot
	2555.1836	2555.1997	0.0161	6	51	73	GGPPFAFVEFEDPRDAE DAVYAR	82		100							Mascot
	2555.1836	2555.1997	0.0161	6	51	73	GGPPFAFVEFEDPRDAE DAVYAR										Mascot
3	Sfrs1 protein [Danio rerio]				gi 34785174		20721.2	7.74	10	332	100	267	100				

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	916.5363	916.5395	0.0032	3	83	89	LRVEFPR	27	37.893				Mascot
	916.5363	916.5395	0.0032	3	83	89	LRVEFPR						Mascot
	1078.5527	1078.5535	0.0008	1	154	163	DGTGVVEFVR	45	98.995				Mascot
	1078.5527	1078.5535	0.0008	1	154	163	DGTGVVEFVR						Mascot
	1123.4327	1123.4373	0.0046	4	74	82	DGYDYDGYR						Mascot
	1128.5354	1128.541	0.0056	5	165	173	EDMTYAVRK				Oxidation (M)[3]		Mascot
	1130.5952	1130.5981	0.0029	3	179	188	FRSHEVGVSL						Mascot
	1130.5952	1130.5981	0.0029	3	179	188	FRSHEVGVSL						Mascot
	1256.6997	1256.7063	0.0066	5	17	27	IYVGNLPPDIR						Mascot
	1256.6997	1256.7063	0.0066	5	17	27	IYVGNLPPDIR	87	100				Mascot
	1401.6104	1401.6169	0.0065	5	142	153	EAGDVCYADVFR				Carbamidomethyl (C)[6]		Mascot
	1401.6104	1401.6169	0.0065	5	142	153	EAGDVCYADVFR	108	100		Carbamidomethyl (C)[6]		Mascot
	1564.743	1564.7493	0.0063	4	51	64	GGPPFAFVEFEDPR						Mascot
	1682.9111	1682.9185	0.0074	4	122	137	VIVSGLPPSGSWQDLK						Mascot
	2222.1387	2222.1399	0.0012	1	122	141	VIVSGLPPSGSWQDLKD HMR						Mascot
	2238.1335	2238.1309	-0.0026	-1	122	141	VIVSGLPPSGSWQDLKD HMR				Oxidation (M)[19]		Mascot

4	serine/arginine-rich splicing factor 1B [Danio rerio]				gi 45433540		27458.7	10.3	10	323	100	267	100				
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	916.5363	916.5395	0.0032	3	83	89	LRVEFPR	27	37.893				Mascot
	916.5363	916.5395	0.0032	3	83	89	LRVEFPR						Mascot
	1078.5527	1078.5535	0.0008	1	154	163	DGTGVVEFVR	45	98.995				Mascot

1078.5527	1078.5535	0.0008	1	154	163	DGTGVVEFVR											Mascot
1123.4327	1123.4373	0.0046	4	74	82	DGYDYDGYR											Mascot
1128.5354	1128.541	0.0056	5	165	173	EDMTYAVRK						Oxidation (M)[3]					Mascot
1162.5487	1162.5543	0.0056	5	181	190	SHEGETAYIR											Mascot
1256.6997	1256.7063	0.0066	5	17	27	IYVGNLPPDIR											Mascot
1256.6997	1256.7063	0.0066	5	17	27	IYVGNLPPDIR		87		100							Mascot
1401.6104	1401.6169	0.0065	5	142	153	EAGDVCYADVFR						Carbamidomethyl (C)[6]					Mascot
1401.6104	1401.6169	0.0065	5	142	153	EAGDVCYADVFR		108		100		Carbamidomethyl (C)[6]					Mascot
1564.743	1564.7493	0.0063	4	51	64	GGPPFAFVEFEDPR											Mascot
1682.9111	1682.9185	0.0074	4	122	137	VIVSGLPPSGSWQDLK											Mascot
2222.1387	2222.1399	0.0012	1	122	141	VIVSGLPPSGSWQDLK HMR											Mascot
2238.1335	2238.1309	-0.0026	-1	122	141	VIVSGLPPSGSWQDLK HMR						Oxidation (M)[19]					Mascot

5 Sfrs1 protein [Danio rerio] gi|63101956 28927.4 10.1 9 307 100 267 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
916.5363	916.5395	0.0032	3	83	89	LRVEFPR	27	37.893				Mascot
916.5363	916.5395	0.0032	3	83	89	LRVEFPR						Mascot
1078.5527	1078.5535	0.0008	1	154	163	DGTGVVEFVR	45	98.995				Mascot
1078.5527	1078.5535	0.0008	1	154	163	DGTGVVEFVR						Mascot
1123.4327	1123.4373	0.0046	4	74	82	DGYDYDGYR						Mascot
1128.5354	1128.541	0.0056	5	165	173	EDMTYAVRK			Oxidation (M)[3]			Mascot
1162.5487	1162.5543	0.0056	5	181	190	SHEGETAYIR						Mascot
1256.6997	1256.7063	0.0066	5	17	27	IYVGNLPPDIR						Mascot
1256.6997	1256.7063	0.0066	5	17	27	IYVGNLPPDIR	87	100				Mascot
1401.6104	1401.6169	0.0065	5	142	153	EAGDVCYADVFR			Carbamidomethyl (C)[6]			Mascot
1401.6104	1401.6169	0.0065	5	142	153	EAGDVCYADVFR	108	100	Carbamidomethyl (C)[6]			Mascot
1682.9111	1682.9185	0.0074	4	122	137	VIVSGLPPSGSWQDLK						Mascot
2222.1387	2222.1399	0.0012	1	122	141	VIVSGLPPSGSWQDLK HMR						Mascot
2238.1335	2238.1309	-0.0026	-1	122	141	VIVSGLPPSGSWQDLK HMR			Oxidation (M)[19]			Mascot

6 40S ribosomal protein SA [Danio rerio] gi|41054972 33990.9 4.75 6 260 100 235 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
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	926.5669	926.5677	0.0008	1	121	128	LLIVTDPR												Mascot
	1273.6171	1273.623	0.0059	5	90	102	FASATGSTTFAGR												Mascot
	1698.8599	1698.8666	0.0067	4	103	117	FTPGTFTNQIAAFR												Mascot
	1698.8599	1698.8666	0.0067	4	103	117	FTPGTFTNQIAAFR	110	100										Mascot
	1813.9476	1813.9523	0.0047	3	64	80	AIVAIENPADVCVISSR						Carbamidomethyl (C)[12]						Mascot
	1813.9476	1813.9523	0.0047	3	64	80	AIVAIENPADVCVISSR	124	100				Carbamidomethyl (C)[12]						Mascot
	1923.9402	1923.936	-0.0042	-2	1	17	MSGGLDVLQMKEEDVLK						Oxidation (M)[1,10]						Mascot
	2996.4783	2996.4829	0.0046	2	129	155	ADHQPLTEASYVNIPTIAL CNTDSPLR						Carbamidomethyl (C)[20]						Mascot
7	pyrophosphatase (inorganic) 1 [Danio rerio]				gi 220678153		32646.8	5.24	15	190	100	91	100						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
846.4257	846.4293	0.0036	4	223	229	ATHGFWK						Mascot
877.4243	877.4266	0.0023	3	285	290	WFYYAK						Mascot
1021.5061	1021.5103	0.0042	4	9	17	GNPNTLSYR						Mascot
1045.5272	1045.5436	0.0164	16	169	177	DLNNISDVR						Mascot
1074.5731	1074.5758	0.0027	3	81	89	YVANVFPHK						Mascot
1179.6256	1179.6169	-0.0087	-7	213	222	DKDFAIETIK						Mascot
1201.6284	1201.6323	0.0039	3	169	178	DLNNISDVRR						Mascot
1646.8167	1646.8248	0.0081	5	230	244	ALLSQQTNAGELNCK						Mascot
1718.8649	1718.8704	0.0055	3	179	192	HKPGYLEATVDWFR	91	100				Mascot
1718.8649	1718.8704	0.0055	3	179	192	HKPGYLEATVDWFR						Mascot
1791.8833	1791.8849	0.0016	1	141	156	VLGVLAMIDEGETDWK			Oxidation (M)[7]			Mascot
1923.9235	1923.936	0.0125	6	196	212	VPDGKPENQFAFNGEFK						Mascot
1961.7673	1961.8923	0.125	64	245	263	NTCVSEGNPFCCSADE AK						Mascot
2132.8318	2132.8398	0.008	4	245	263	NTCVSEGNPFCCSADE AK			Carbamidomethyl (C)[3,12,13]			Mascot
2215.0818	2215.0972	0.0154	7	194	212	YKVPDGKPENQFAFNGE FK						Mascot
2232.0508	2232.0674	0.0166	7	90	108	GYIWNYGAIPQTWEDPG HK						Mascot
2283.8799	2284.1824	0.3025	132	109	129	DNDTGCCGDNDPIDVCEI GSK			Carbamidomethyl (C)[6,7]			Mascot

8 tubulin, beta, 2 [Danio rerio] gi|37681963 49754 4.85 16 149 100 51 99.761

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1077.5323	1077.5374	0.0051	5	155	162	IREEYPDR						Mascot

	1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR	51	99.761		Mascot		
	1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR				Mascot		
	1143.6343	1143.6393	0.005	4	253	262	LAVNMVPFPR				Mascot		
	1159.6292	1159.6351	0.0059	5	253	262	LAVNMVPFPR		Oxidation (M)[5]		Mascot		
	1287.7241	1287.7299	0.0058	5	252	262	KLAVNMVPFPR		Oxidation (M)[6]		Mascot		
	1401.6943	1401.6169	-0.0774	-55	381	391	ISEQFTAMFRR		Oxidation (M)[8]		Mascot		
	1401.6943	1401.6169	-0.0774	-55	380	390	RISEQFTAMFR		Oxidation (M)[9]		Mascot		
	1601.8203	1601.8257	0.0054	3	63	77	AVLVDLEPGTMDSVR				Mascot		
	1617.8152	1617.8214	0.0062	4	63	77	AVLVDLEPGTMDSVR		Oxidation (M)[11]		Mascot		
	1636.8304	1636.8374	0.007	4	263	276	LHFFMPGFAPLTSR		Oxidation (M)[5]		Mascot		
	1822.9227	1822.9269	0.0042	2	3	19	EIVHLQAGQCQGNQIGAK		Carbamidomethyl (C)[10]		Mascot		
	1923.8973	1923.936	0.0387	20	321	336	MSMKEVDEQMLNVQNK				Mascot		
	1958.9817	1958.9872	0.0055	3	104	121	GHYTEGAELVDSVLDVVR				Mascot		
	2126.0593	2126.0715	0.0122	6	1	19	MREIVHLQAGQCQGNQIGAK		Carbamidomethyl (C)[12], Oxidation (M)[1]		Mascot		
	2133.1008	2132.8398	-0.261	-122	59	77	YVPRAVLVDLEPGTMDSVR		Oxidation (M)[15]		Mascot		
	2708.3381	2708.3342	-0.0039	-1	217	241	LTTPTYGDLNHLVSATMSGVTTCLR		Carbamidomethyl (C)[23]		Mascot		
	2798.3433	2798.3479	0.0046	2	78	103	SGPFGQIFRPDNFVFGQSGAGNNWAK				Mascot		
	3088.3918	3088.4038	0.012	4	20	46	FWEVISDEHGIDPTGSYHGDSDLQLDR				Mascot		
9	tubulin, beta 2B [Danio rerio]				gi 47087299	49769	4.79	15	139	100	51	99.761	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
1077.5323	1077.5374	0.0051	5	155	162	IREEYPDR						Mascot
1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR	51	99.761				Mascot
1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR						Mascot
1143.6343	1143.6393	0.005	4	253	262	LAVNMVPFPR						Mascot
1159.6292	1159.6351	0.0059	5	253	262	LAVNMVPFPR			Oxidation (M)[5]			Mascot
1287.7241	1287.7299	0.0058	5	252	262	KLAVNMVPFPR			Oxidation (M)[6]			Mascot
1401.6943	1401.6169	-0.0774	-55	381	391	ISEQFTAMFRR			Oxidation (M)[8]			Mascot
1401.6943	1401.6169	-0.0774	-55	380	390	RISEQFTAMFR			Oxidation (M)[9]			Mascot
1601.8203	1601.8257	0.0054	3	63	77	AVLVDLEPGTMDSVR						Mascot
1617.8152	1617.8214	0.0062	4	63	77	AVLVDLEPGTMDSVR			Oxidation (M)[11]			Mascot
1636.8304	1636.8374	0.007	4	263	276	LHFFMPGFAPLTSR			Oxidation (M)[5]			Mascot
1822.9227	1822.9269	0.0042	2	3	19	EIVHLQAGQCQGNQIGAK			Carbamidomethyl (C)[10]			Mascot

	1923.8973	1923.936	0.0387	20	321	336	MSMKEVDEQMLNVQNK										Mascot
	1958.9817	1958.9872	0.0055	3	104	121	GHYTEGAELVDSVLDVV R										Mascot
	2126.0593	2126.0715	0.0122	6	1	19	MREIVHLQAGQCGNQIG AK					Carbamidomethyl (C)[12], Oxidation (M)[1]					Mascot
	2133.1008	2132.8398	-0.261	-122	59	77	YVPRAVLVDLEPGTMDS VR					Oxidation (M)[15]					Mascot
	2708.3381	2708.3342	-0.0039	-1	217	241	LTTPTYGDLNHLVSATMS GVTTCLR					Carbamidomethyl (C)[23]					Mascot
	2784.3276	2784.3301	0.0025	1	78	103	SGPFGQVFRPDNFVFGQ SGAGNNWAK										Mascot
10	class I beta tubulin [Danio rerio]					gi 23452398		49794.1	4.86	13	120	100	51	99.761			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1077.5323	1077.5374	0.0051	5	155	162	IREEYPDR					Mascot
1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR	51	99.761			Mascot
1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR					Mascot
1143.6343	1143.6393	0.005	4	253	262	LAVNMVPFPR					Mascot
1159.6292	1159.6351	0.0059	5	253	262	LAVNMVPFPR			Oxidation (M)[5]		Mascot
1287.7241	1287.7299	0.0058	5	252	262	KLAVNMVPFPR			Oxidation (M)[6]		Mascot
1401.6943	1401.6169	-0.0774	-55	381	391	ISEQFTAMFRR			Oxidation (M)[8]		Mascot
1401.6943	1401.6169	-0.0774	-55	380	390	RISEQFTAMFR			Oxidation (M)[9]		Mascot
1636.8304	1636.8374	0.007	4	263	276	LHFFMPGFAPLTSR			Oxidation (M)[5]		Mascot
1822.9227	1822.9269	0.0042	2	3	19	EIVHIQAGQCGNQIGAK			Carbamidomethyl (C)[10]		Mascot
1923.8973	1923.936	0.0387	20	321	336	MSMKEVDEQMLNVQNK					Mascot
1958.9817	1958.9872	0.0055	3	104	121	GHYTEGAELVDSVLDVV R					Mascot
2126.0593	2126.0715	0.0122	6	1	19	MREIVHIQAGQCGNQIGA K			Carbamidomethyl (C)[12], Oxidation (M)[1]		Mascot
2708.3381	2708.3342	-0.0039	-1	217	241	LTTPTYGDLNHLVSATMS GVTTCLR			Carbamidomethyl (C)[23]		Mascot
2798.3433	2798.3479	0.0046	2	78	103	SGPFGQIFRPDNFVFGQ SGAGNNWAK					Mascot

11	PREDICTED: tubulin beta chain isoform 1 [Danio rerio]					gi 326666192		49614.9	4.81	13	120	100	51	99.761				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1077.5323	1077.5374	0.0051	5	155	162	IREEYPDR					Mascot
1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR	51	99.761			Mascot
1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR					Mascot
1143.6343	1143.6393	0.005	4	253	262	LAVNMVPFPR					Mascot

1159.6292	1159.6351	0.0059	5	253	262	LAVNMVPFPR	Oxidation (M)[5]	Mascot
1287.7241	1287.7299	0.0058	5	252	262	KLAVNMVPFPR	Oxidation (M)[6]	Mascot
1401.6943	1401.6169	-0.0774	-55	381	391	ISEQFTAMFRR	Oxidation (M)[8]	Mascot
1401.6943	1401.6169	-0.0774	-55	380	390	RISEQFTAMFR	Oxidation (M)[9]	Mascot
1636.8304	1636.8374	0.007	4	263	276	LHFFMPGFAPLTSR	Oxidation (M)[5]	Mascot
1822.9227	1822.9269	0.0042	2	3	19	EIVHLQAGQCQGNQIGAK	Carbamidomethyl (C)[10]	Mascot
1923.8973	1923.936	0.0387	20	321	336	MSMKEVDEQMLNVQNK		Mascot
1958.9817	1958.9872	0.0055	3	104	121	GHYTEGAELVDSVLDVV R		Mascot
2126.0593	2126.0715	0.0122	6	1	19	MREIVHLQAGQCQGNQIG AK	Carbamidomethyl (C)[12], Oxidation (M)[1]	Mascot
2708.3381	2708.3342	-0.0039	-1	217	241	LTTPTYGDLNHLVSATMS GVTTCLR	Carbamidomethyl (C)[23]	Mascot
2798.3433	2798.3479	0.0046	2	78	103	SGPFGQIFRPDNFVFGQ SGAGNNWAK		Mascot

12 hypothetical protein LOC767746 [Danio rerio] gi|115529301 49556.9 4.85 13 120 100 51 99.761

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1077.5323	1077.5374	0.0051	5	155	162	IREEYPDR					Mascot
1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR	51	99.761			Mascot
1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR					Mascot
1143.6343	1143.6393	0.005	4	253	262	LAVNMVPFPR					Mascot
1159.6292	1159.6351	0.0059	5	253	262	LAVNMVPFPR			Oxidation (M)[5]		Mascot
1287.7241	1287.7299	0.0058	5	252	262	KLAVNMVPFPR			Oxidation (M)[6]		Mascot
1401.6943	1401.6169	-0.0774	-55	381	391	ISEQFTAMFRR			Oxidation (M)[8]		Mascot
1401.6943	1401.6169	-0.0774	-55	380	390	RISEQFTAMFR			Oxidation (M)[9]		Mascot
1636.8304	1636.8374	0.007	4	263	276	LHFFMPGFAPLTSR			Oxidation (M)[5]		Mascot
1822.9227	1822.9269	0.0042	2	3	19	EIVHLQAGQCQGNQIGAK			Carbamidomethyl (C)[10]		Mascot
1900.9762	1900.8574	-0.1188	-62	104	121	GHYTEGAELVGSVLDVV R					Mascot
1923.8973	1923.936	0.0387	20	321	336	MSMKEVDEQMLNVQNK					Mascot
2126.0593	2126.0715	0.0122	6	1	19	MREIVHLQAGQCQGNQIG AK			Carbamidomethyl (C)[12], Oxidation (M)[1]		Mascot
2708.3381	2708.3342	-0.0039	-1	217	241	LTTPTYGDLNHLVSATMS GVTTCLR			Carbamidomethyl (C)[23]		Mascot
2798.3433	2798.3479	0.0046	2	78	103	SGPFGQIFRPDNFVFGQ SGAGNNWAK					Mascot

13 PREDICTED: tubulin beta chain isoform 2 [Danio rerio] gi|326666194 50293.2 4.81 13 119 100 51 99.761

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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[illegible]

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1077.5323	1077.5374	0.0051	5	155	162	IREEYPDR					Mascot
1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR	51	99.761			Mascot
1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR					Mascot
1143.6343	1143.6393	0.005	4	253	262	LAVNMVPFPR					Mascot
1159.6292	1159.6351	0.0059	5	253	262	LAVNMVPFPR			Oxidation (M)[5]		Mascot
1287.7241	1287.7299	0.0058	5	252	262	KLAVNMVPFPR			Oxidation (M)[6]		Mascot
1601.8203	1601.8257	0.0054	3	63	77	AVLVDLEPGTMDSVR					Mascot
1617.8152	1617.8214	0.0062	4	63	77	AVLVDLEPGTMDSVR			Oxidation (M)[11]		Mascot
1636.8304	1636.8374	0.007	4	263	276	LHFFMPGFAPLTSR			Oxidation (M)[5]		Mascot
1822.9227	1822.9269	0.0042	2	3	19	EIVHLQAGQCGNQIGAK			Carbamidomethyl (C)[10]		Mascot
1923.8973	1923.936	0.0387	20	321	336	MSMKEVDEQMLNVQNK					Mascot
1958.9817	1958.9872	0.0055	3	104	121	GHYTEGAELVDSVLDVV R					Mascot
2126.0593	2126.0715	0.0122	6	1	19	MREIVHLQAGQCGNQIG AK			Carbamidomethyl (C)[12], Oxidation (M)[1]		Mascot
2133.1008	2132.8398	-0.261	-122	59	77	YVPRAVLVDLEPGTMD SVR			Oxidation (M)[15]		Mascot

	2784.3276	2784.3301	0.0025	1	78	103	SGPFGQVFRPDNFVFGQ SGAGNNWAK								Mascot
15	tubulin, beta 2 [Danio rerio]					gi 66773102	50534.3	4.76	12	111	100	51	99.761		

Peptide Information														
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type	
1077.5323	1077.5374	0.0051	5	155	162	IREEYPDR							Mascot	
1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR	51	99.761					Mascot	
1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR							Mascot	
1143.6343	1143.6393	0.005	4	253	262	LAVNMVPFPR							Mascot	
1159.6292	1159.6351	0.0059	5	253	262	LAVNMVPFPR				Oxidation (M)[5]			Mascot	
1287.7241	1287.7299	0.0058	5	252	262	KLAVNMVPFPR				Oxidation (M)[6]			Mascot	
1401.6943	1401.6169	-0.0774	-55	381	391	ISEQFTAMFRR				Oxidation (M)[8]			Mascot	
1401.6943	1401.6169	-0.0774	-55	380	390	RISEQFTAMFR				Oxidation (M)[9]			Mascot	
1636.8304	1636.8374	0.007	4	263	276	LHFFMPGFAPLTSR				Oxidation (M)[5]			Mascot	
1822.9227	1822.9269	0.0042	2	3	19	EIVHIQAGQCQGNQIGAK				Carbamidomethyl (C)[10]			Mascot	
1958.9817	1958.9872	0.0055	3	104	121	GHYTEGAELVDSVLDVV R							Mascot	
2126.0593	2126.0715	0.0122	6	1	19	MREIVHIQAGQCQGNQIGA K				Carbamidomethyl (C)[12], Oxidation (M)[1]			Mascot	
2708.3381	2708.3342	-0.0039	-1	217	241	LTTPTYGDLNHLVSATMS GVTTCLR				Carbamidomethyl (C)[23]			Mascot	
2798.3433	2798.3479	0.0046	2	78	103	SGPFGQIFRPDNFVFGQ SGAGNNWAK							Mascot	

16	hypothetical protein LOC335798 [Danio rerio]					gi 41053911	49602.9	4.81	11	99	100	51	99.761		
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Peptide Information														
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type	
1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR	51	99.761					Mascot	
1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR							Mascot	
1143.6343	1143.6393	0.005	4	253	262	LAVNMVPFPR							Mascot	
1159.6292	1159.6351	0.0059	5	253	262	LAVNMVPFPR				Oxidation (M)[5]			Mascot	
1287.7241	1287.7299	0.0058	5	252	262	KLAVNMVPFPR				Oxidation (M)[6]			Mascot	
1401.6943	1401.6169	-0.0774	-55	381	391	ISEQFTAMFRR				Oxidation (M)[8]			Mascot	
1401.6943	1401.6169	-0.0774	-55	380	390	RISEQFTAMFR				Oxidation (M)[9]			Mascot	
1636.8304	1636.8374	0.007	4	263	276	LHFFMPGFAPLTSR				Oxidation (M)[5]			Mascot	
1923.8973	1923.936	0.0387	20	321	336	MSMKEVDEQMLNVQNK							Mascot	
2708.3381	2708.3342	-0.0039	-1	217	241	LTTPTYGDLNHLVSATMS GVTTCLR				Carbamidomethyl (C)[23]			Mascot	
2784.2822	2784.3301	0.0479	17	283	306	VLSVPELTQQMFDAKNM				Carbamidomethyl (C)[21], Oxidation			Mascot	

17	inorganic pyrophosphatase [Danio rerio]	2798.3433	2798.3479	0.0046	2	78	103	MAACDPR SGPFGQIFRPDNFVFGQ SGAGNNWAK	(M)[11,17]	Mascot
		3088.3918	3088.4038	0.012	4	20	46	FWEVISDEHGIDPTGSYH GDSDLQLDR		Mascot
		gi 62955639		32621.8	5.25	15	98	100		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
846.4257	846.4293	0.0036	4	223	229	ATHGFWK					Mascot
877.4243	877.4266	0.0023	3	285	290	WFYYAK					Mascot
1021.5061	1021.5103	0.0042	4	9	17	GNPNTLSYR					Mascot
1045.5272	1045.5436	0.0164	16	169	177	DLNNISDVR					Mascot
1074.5731	1074.5758	0.0027	3	81	89	YVANVFPHK					Mascot
1179.6256	1179.6169	-0.0087	-7	213	222	DKDFAIETIK					Mascot
1201.6284	1201.6323	0.0039	3	169	178	DLNNISDVRR					Mascot
1646.8167	1646.8248	0.0081	5	230	244	ALLSQQTNAGELNCK			Carbamidomethyl (C)[14]		Mascot
1694.89	1694.8947	0.0047	3	179	192	LKPGYLEATVDWFR					Mascot
1791.8833	1791.8849	0.0016	1	141	156	VLGVLAMIDEGETDWK			Oxidation (M)[7]		Mascot
1923.9235	1923.936	0.0125	6	196	212	VPDGKPENQFAFNGEFK					Mascot
1961.7673	1961.8923	0.125	64	245	263	NTCVSEGNSPFCCSADE AK					Mascot
2132.8318	2132.8398	0.008	4	245	263	NTCVSEGNSPFCCSADE AK			Carbamidomethyl (C)[3,12,13]		Mascot
2215.0818	2215.0972	0.0154	7	194	212	YKVPDGKPENQFAFNGE FK					Mascot
2232.0508	2232.0674	0.0166	7	90	108	GYIWNYGAIPQTWEDPG HK					Mascot
2283.8799	2284.1824	0.3025	132	109	129	DNDTGCCGDNPIDVCEI GSK			Carbamidomethyl (C)[6,7]		Mascot

18	PREDICTED: tubulin beta-2 chain-like [Danio rerio]	gi 326664656		46950.6	4.83	10	98	100	51	99.761	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1077.5323	1077.5374	0.0051	5	122	129	IREEYPDR					Mascot
1130.5953	1130.5981	0.0028	2	209	218	FPGQLNADLR	51	99.761			Mascot
1130.5953	1130.5981	0.0028	2	209	218	FPGQLNADLR					Mascot
1143.6343	1143.6393	0.005	4	220	229	LAVNMVPFPR					Mascot
1159.6292	1159.6351	0.0059	5	220	229	LAVNMVPFPR			Oxidation (M)[5]		Mascot
1287.7241	1287.7299	0.0058	5	219	229	KLAVNMVPFPR			Oxidation (M)[6]		Mascot
1401.6943	1401.6169	-0.0774	-55	348	358	ISEQFTAMFRR			Oxidation (M)[8]		Mascot

	1401.6943	1401.6169	-0.0774	-55	347	357	RISEQFTAMFR					Oxidation (M)[9]	Mascot
	1636.8304	1636.8374	0.007	4	230	243	LHFFMPGFAPLTSR					Oxidation (M)[5]	Mascot
	1958.9817	1958.9872	0.0055	3	71	88	GHYTEGAELVDSVLDDV R						Mascot
	2708.3381	2708.3342	-0.0039	-1	184	208	LTTPTYGDLNHLVSATMS GVTTCLR					Carbamidomethyl (C)[23]	Mascot
	2798.3433	2798.3479	0.0046	2	45	70	SGPFGQIFRPDNFVFGQ SGAGNNWAK						Mascot
19	hypothetical protein LOC641565 [Danio rerio]				gi 83025072		50237.2	4.8	9	88	99.992	51	99.761

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1077.5323	1077.5374	0.0051	5	155	162	IREEYPDR						Mascot
	1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR	51	99.761				Mascot
	1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR						Mascot
	1143.6343	1143.6393	0.005	4	253	262	LAVNMVPFPR						Mascot
	1159.6292	1159.6351	0.0059	5	253	262	LAVNMVPFPR				Oxidation (M)[5]		Mascot
	1287.7241	1287.7299	0.0058	5	252	262	KLAVNMVPFPR				Oxidation (M)[6]		Mascot
	1401.6943	1401.6169	-0.0774	-55	381	391	ISEQFTAMFRR				Oxidation (M)[8]		Mascot
	1401.6943	1401.6169	-0.0774	-55	380	390	RISEQFTAMFR				Oxidation (M)[9]		Mascot
	1958.9817	1958.9872	0.0055	3	104	121	GHYTEGAELVDSVLDDV R						Mascot
	2126.0593	2126.0715	0.0122	6	1	19	MREIVHLQAGQCGNQIG SK				Carbamidomethyl (C)[12]		Mascot
	2798.3103	2798.3479	0.0376	13	78	103	SGPMGQIFRPDNFVFGQ SGAGNNWAK				Oxidation (M)[4]		Mascot

20	hypothetical protein LOC767806 [Danio rerio]				gi 115529425		49898.2	4.81	5	64	98.421	51	99.761
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1077.5323	1077.5374	0.0051	5	155	162	IREEYPDR						Mascot
	1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR	51	99.761				Mascot
	1130.5953	1130.5981	0.0028	2	242	251	FPGQLNADLR						Mascot
	1143.6343	1143.6393	0.005	4	253	262	LAVNMVPFPR						Mascot
	1159.6292	1159.6351	0.0059	5	253	262	LAVNMVPFPR				Oxidation (M)[5]		Mascot
	1287.7241	1287.7299	0.0058	5	252	262	KLAVNMVPFPR				Oxidation (M)[6]		Mascot
	1958.9817	1958.9872	0.0055	3	104	121	GHYTEGAELVDSVLDDV R						Mascot

21	PREDICTED: tubulin beta-6 chain-like [Danio rerio]				gi 125819301		52544.5	4.9	5	64	98.145	51	99.761
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	1077.5323	1077.5374	0.0051	5	155	162 IREEYPDR					Mascot
	1130.5953	1130.5981	0.0028	2	242	251 FPGQLNADLR	51	99.761			Mascot
	1130.5953	1130.5981	0.0028	2	242	251 FPGQLNADLR					Mascot
	1143.6343	1143.6393	0.005	4	253	262 LAVNMVPFPR					Mascot
	1159.6292	1159.6351	0.0059	5	253	262 LAVNMVPFPR			Oxidation (M)[5]		Mascot
	1287.7241	1287.7299	0.0058	5	252	262 KLAVNMVPFPR			Oxidation (M)[6]		Mascot
	1601.7706	1601.8257	0.0551	34	20	32 FWEVISDEHGINR					Mascot
22	hypothetical protein LOC550458 [Danio rerio]				gi 62955497		24485.8	4.79	4	64 98.057	51 99.761

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	1130.5953	1130.5981	0.0028	2	10	19 FPGQLNADLR	51	99.761			Mascot
	1130.5953	1130.5981	0.0028	2	10	19 FPGQLNADLR					Mascot
	1143.6343	1143.6393	0.005	4	21	30 LAVNMVPFPR					Mascot
	1159.6292	1159.6351	0.0059	5	21	30 LAVNMVPFPR			Oxidation (M)[5]		Mascot
	1287.7241	1287.7299	0.0058	5	20	30 KLAVNMVPFPR			Oxidation (M)[6]		Mascot
	2798.2729	2798.3479	0.075	27	51	74 ALTVPCLTQQMFDARNM MAACDPR			Carbamidomethyl (C)[21], Oxidation (M)[11,17]		Mascot
23	PREDICTED: ubiquitin carboxyl-terminal hydrolase 4 isoform 2 [Danio rerio]				gi 292615153		107715.4	5.37	14	50 52.316	12 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	842.5206	842.5118	-0.0088	-10	586	592 VLERIGR					Mascot
	1045.5499	1045.5436	-0.0063	-6	137	145 VVEHGMFVK					Mascot
	1123.5122	1123.4373	-0.0749	-67	423	432 STLVCPECSK			Carbamidomethyl (C)[5]		Mascot
	1130.5992	1130.5981	-0.0011	-1	921	929 AAYVLFYQR					Mascot
	1130.5992	1130.5981	-0.0011	-1	921	929 AAYVLFYQR					Mascot
	1162.5409	1162.5543	0.0134	12	516	525 DDGLNQIMEK					Mascot
	1340.678	1340.6705	-0.0075	-6	541	550 MNLPVYFRER			Oxidation (M)[1]		Mascot
	1617.8635	1617.8214	-0.0421	-26	409	422 NDSIIVDIFHGLFK					Mascot
	1718.7327	1718.8704	0.1377	80	756	769 RLCYDDQAEAYDK	12	0			Mascot
	1718.7327	1718.8704	0.1377	80	756	769 RLCYDDQAEAYDK					Mascot
	1945.9614	1945.8866	-0.0748	-38	740	756 LTTHSTVAIDWDSDTKR					Mascot

	1959.1174	1958.9872	-0.1302	-66	120	136	LVSWYGSLGNQKPIIRK											Mascot
	2211.0308	2211.1138	0.083	38	149	166	VEVYLLELNLCE	NDNM										Mascot
	2215.1541	2215.0972	-0.0569	-26	433	451	VS	TFDPFCYLTLP	MPK									Mascot
	2284.1497	2284.1824	0.0327	14	101	119	EHLIDELDYVL	VPTEAWN										Mascot
	3088.356	3088.4038	0.0478	15	787	811	ECIELFTT	METLGEHDPW										Mascot
							YCPTCKK											
24	slow myosin heavy chain 2 [Danio rerio]				gi 211578412		223149.2	5.5	26	49	46.498							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
877.4025	877.4266	0.0241	27	829	834	NWPWMK			Oxidation (M)[5]		Mascot
882.4679	882.5717	0.1038	118	1525	1531	NIHELEK					Mascot
926.5053	926.5677	0.0624	67	972	979	HATENKVK					Mascot
1009.52	1009.4604	-0.0596	-59	59	67	VTVETEFVK					Mascot
1021.4917	1021.5103	0.0186	18	1246	1253	ANLEKMCR			Carbamidomethyl (C)[7]		Mascot
1074.5426	1074.5758	0.0332	31	1913	1922	ADIAESQVVK					Mascot
1077.5358	1077.5374	0.0016	1	1077	1084	QQMEERLK			Oxidation (M)[3]		Mascot
1130.6165	1130.5981	-0.0184	-16	1638	1647	QASEAQQLK					Mascot
1130.6165	1130.5981	-0.0184	-16	1638	1647	QASEAQQLK					Mascot
1159.647	1159.6351	-0.0119	-10	404	413	VKVGNEWVK					Mascot
1165.6827	1165.5721	-0.1106	-95	1479	1488	SLSTELFKLK					Mascot
1165.6827	1165.7524	0.0697	60	1479	1488	SLSTELFKLK					Mascot
1287.5521	1287.7299	0.1778	138	1254	1263	TLEDQMSEYR			Oxidation (M)[6]		Mascot
1340.7797	1340.6705	-0.1092	-81	560	570	NPNFQKPRIVK					Mascot
1475.7601	1475.7592	-0.0009	-1	1363	1375	SLSKANSEVAQWR					Mascot
1516.6948	1516.6703	-0.0245	-16	1254	1265	TLEDQMSEYRK			Oxidation (M)[6]		Mascot
1601.8633	1601.8257	-0.0376	-23	956	969	DIDDLELTAKVEK					Mascot
1636.8112	1636.8374	0.0262	16	22	34	ERLEAQTRPFDMK			Oxidation (M)[12]		Mascot
1718.7295	1718.8704	0.1409	82	1251	1263	MCRTLEDQMSEYR			Carbamidomethyl (C)[2]		Mascot
1718.8265	1718.8704	0.0439	26	1424	1437	LQNEIEDLMVDVER			Oxidation (M)[9]		Mascot
1791.9058	1791.8849	-0.0209	-12	68	83	TVTVKEVDCHPQNPPK					Mascot
1900.9763	1900.8574	-0.1189	-63	744	760	GAEKLLGSLDIDHNQYK					Mascot
1923.9456	1923.936	-0.0096	-5	1	18	MGDAVMAEFGPAAPFLR			Oxidation (M)[1]		Mascot
1924.9135	1924.9244	0.0109	6	1378	1393	YETDAIQRTEEEAK					Mascot
2232.0964	2232.0674	-0.029	-13	214	234	GTLEDQIIQCNPALEAFG					Mascot
2555.187	2555.1997	0.0127	5	148	169	TEAPPHIFSISDNAYQYM					Mascot

	2555.187	2555.1997	0.0127	5	148	169	LSDR TEAPPHIFSISDNAYQYM											Mascot
	2708.3428	2708.3342	-0.0086	-3	683	706	LSDR TPGAMENPLVMHQLRCN GVLEGIR						Carbamidomethyl (C)[16], Oxidation (M)[5]					Mascot
	2996.4041	2996.4829	0.0788	26	370	397	EEQAEADGTEDADKVAY LMGLNSADLIK											Mascot
25	Pip5k3 protein [Danio rerio]				gi 33604217		106353.4	7.95	17	49	39.97							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
846.5117	846.4293	-0.0824	-97	889	895	KLEMVVK					Mascot
916.5284	916.5395	0.0111	12	186	193	GCVQIVLK			Carbamidomethyl (C)[2]		Mascot
916.5284	916.5395	0.0111	12	186	193	GCVQIVLK			Carbamidomethyl (C)[2]		Mascot
1021.5173	1021.5103	-0.007	-7	66	73	QREGTQFR					Mascot
1123.5742	1123.4373	-0.1369	-122	445	455	NPSPVVPNGDK					Mascot
1128.6523	1128.541	-0.1113	-99	359	367	GWIEKLQVR					Mascot
1162.6102	1162.5543	-0.0559	-48	404	412	LQELFQKEK					Mascot
1179.6805	1179.6169	-0.0636	-54	283	292	LLEICLPPPK			Carbamidomethyl (C)[5]		Mascot
1401.6025	1401.6169	0.0144	10	340	350	EEKMEDMFAQK			Oxidation (M)[4]		Mascot
1401.6025	1401.6169	0.0144	10	340	350	EEKMEDMFAQK			Oxidation (M)[4]		Mascot
1564.8152	1564.7493	-0.0659	-42	906	918	MPTVVSPELYRTR			Oxidation (M)[1]		Mascot
1618.0125	1617.8214	-0.1911	-118	283	296	LLEICLPPPKIIR					Mascot
1694.8795	1694.8947	0.0152	9	825	838	LVHDNPLYIRSHCK					Mascot
1718.8126	1718.8704	0.0578	34	611	626	NSPAKPSDNSMSQLSR					Mascot
1718.8126	1718.8704	0.0578	34	611	626	NSPAKPSDNSMSQLSR					Mascot
1822.9069	1822.9269	0.02	11	867	882	DDSTDELVVGIIDYIR					Mascot
1924.8721	1924.9244	0.0523	27	926	941	YFLMVPDHW SGLGLNC			Carbamidomethyl (C)[16], Oxidation (M)[4]		Mascot
1945.976	1945.8866	-0.0894	-46	609	626	VKN SPAKPSDNSMSQLS R					Mascot
1961.9709	1961.8923	-0.0786	-40	609	626	VKN SPAKPSDNSMSQLS R			Oxidation (M)[13]		Mascot
2133.0745	2132.8398	-0.2347	-110	806	824	TDQ GKESCEVLLDENLL K					Mascot
2708.1653	2708.3342	0.1689	62	919	941	FCEAMD KYFLMVPDHW S GLGLNC			Oxidation (M)[5,11]		Mascot

26	ATP-binding cassette sub-family D member 4 [Danio rerio]				gi 300863092		68999.7	8.28	13	49	38.571							
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	846.4315	846.4293	-0.0022	-3	144	150	ISQDVER						Mascot
	923.4515	923.4485	-0.003	-3	583	589	HHDVMLR			Oxidation (M)[5]			Mascot
	923.4515	923.4485	-0.003	-3	583	589	HHDVMLR			Oxidation (M)[5]			Mascot
	1009.5312	1009.4604	-0.0708	-70	461	469	AYLTDGTLR						Mascot
	1021.5346	1021.5103	-0.0243	-24	2	10	TPMKQSSVK			Oxidation (M)[3]			Mascot
	1273.6357	1273.623	-0.0127	-10	431	440	VLNSLWEPCR			Carbamidomethyl (C)[9]			Mascot
	1287.5854	1287.7299	0.1445	112	151	161	LCKQMSTMASR			Oxidation (M)[5,8]			Mascot
	1340.7103	1340.6705	-0.0398	-30	566	577	QQGMTLISLGHR						Mascot
	1475.7675	1475.7592	-0.0083	-6	590	602	LCGGGQWELSKLK			Carbamidomethyl (C)[2]			Mascot
	1516.7794	1516.6703	-0.1091	-72	112	123	TLTEDLHHLYFK						Mascot
	1694.8928	1694.8947	0.0019	1	251	264	LQMLLSTQRSLMNK			Oxidation (M)[3,12]			Mascot
	1924.0361	1923.936	-0.1001	-52	453	469	GLMFLPQKAYLTDGTLR						Mascot
	2211.198	2211.1138	-0.0842	-38	404	425	DLTSLISQGTLLVVGNT GTGK						Mascot
	2225.127	2225.1301	0.0031	1	375	393	ELQSVPADTAFVLDRLCY K			Carbamidomethyl (C)[17]			Mascot
27	iron-sulfur cluster assembly enzyme [Danio rerio]				gi 54261801		17796.2	8.7	8	48	29.471		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
916.5461	916.5395	-0.0066	-7	116	123	IKNTEIAK					Mascot
916.5461	916.5395	-0.0066	-7	116	123	IKNTEIAK					Mascot
1045.5636	1045.5436	-0.02	-19	44	53	NVGSLDKNAK					Mascot
1128.5432	1128.541	-0.0022	-2	35	43	VVDHYENPR					Mascot
1143.6005	1143.6393	0.0388	34	71	80	LQIQVDENGK					Mascot
1256.6382	1256.7063	0.0681	54	34	43	KVVDHYENPR					Mascot
1256.6382	1256.7063	0.0681	54	34	43	KVVDHYENPR					Mascot
1718.8353	1718.8704	0.0351	20	19	33	SMSLPRLPACSYHK					Mascot
1718.8353	1718.8704	0.0351	20	19	33	SMSLPRLPACSYHK					Mascot
1791.8517	1791.8849	0.0332	19	19	33	SMSLPRLPACSYHK			Carbamidomethyl (C)[11], Oxidation (M)[2]		Mascot
1958.9785	1958.9872	0.0087	4	51	70	NAKNVGTGLVGAPACGD VMK			Carbamidomethyl (C)[15]		Mascot
2283.1545	2283.1873	0.0328	14	124	143	ELCLPPVKLHCSMLAEDA IK			Carbamidomethyl (C)[3], Oxidation (M)[13]		Mascot

28 novel protein [Danio rerio] gi|220679558 45035 4.99 10 48 22.666

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	842.473	842.5118	0.0388	46	382	388	DPKDVLR										Mascot
	877.4698	877.4266	-0.0432	-49	202	208	LVEELMK						Oxidation (M)[6]				Mascot
	882.4791	882.5717	0.0926	105	1	7	VSTYTRR										Mascot
	1045.5889	1045.5436	-0.0453	-43	54	62	VIDTLESLR										Mascot
	1143.4744	1143.6393	0.1649	144	8	16	CPGCQMIYR						Carbamidomethyl (C)[1], Oxidation (M)[6]				Mascot
	1159.5841	1159.6351	0.051	44	375	384	LDETDVKDPK										Mascot
	1340.6021	1340.6705	0.0684	51	7	16	RCPGCQMIYR						Carbamidomethyl (C)[2,5]				Mascot
	1718.8629	1718.8704	0.0075	4	202	215	LVEELMKQEVDDVR						Oxidation (M)[6]				Mascot
	1718.8629	1718.8704	0.0075	4	202	215	LVEELMKQEVDDVR						Oxidation (M)[6]				Mascot
	1813.7843	1813.9523	0.168	93	220	235	DCNVDSNGSAFDMILR						Carbamidomethyl (C)[2]				Mascot
	1813.7843	1813.9523	0.168	93	220	235	DCNVDSNGSAFDMILR						Carbamidomethyl (C)[2]				Mascot
	2214.9939	2215.0972	0.1033	47	217	235	LCKDCNVDSNGSAFDMILR						Carbamidomethyl (C)[2,5]				Mascot
29	nitrogen fixation cluster-like [Danio rerio]				gi 221307563			17420.2	8.83	8	47	13.23					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
846.4468	846.4293	-0.0175	-21	25	31	TQIGYHK					Mascot
882.5294	882.5717	0.0423	48	122	129	ELSLPPVK					Mascot
916.5461	916.5395	-0.0066	-7	114	121	IKNTEIAK					Mascot
916.5461	916.5395	-0.0066	-7	114	121	IKNTEIAK					Mascot
1045.5636	1045.5436	-0.02	-19	42	51	NVGSLDKNAK					Mascot
1128.5432	1128.541	-0.0022	-2	33	41	VVDHYENPR					Mascot
1256.6382	1256.7063	0.0681	54	32	41	KVVDHYENPR					Mascot
1256.6382	1256.7063	0.0681	54	32	41	KVVDHYENPR					Mascot
1682.9622	1682.9185	-0.0437	-26	9	24	CAAPQILKTLAPTSLR					Mascot
1958.9785	1958.9872	0.0087	4	49	68	NAKNVGTGLVGAPACGD VMK			Carbamidomethyl (C)[15]		Mascot

30 novel protein [Danio rerio] gi|94733158 181651.4 8.12 18 46 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
846.4753	846.4293	-0.046	-54	956	963	VEGLLGIMK					Mascot
923.4192	923.4485	0.0293	32	1453	1459	WMTGAWR			Oxidation (M)[2]		Mascot
923.4192	923.4485	0.0293	32	1453	1459	WMTGAWR			Oxidation (M)[2]		Mascot
1009.4917	1009.4604	-0.0313	-31	1220	1227	TRMLDCVR			Oxidation (M)[3]		Mascot
1021.4982	1021.5103	0.0121	12	1176	1184	KQCPSTTEK					Mascot

1078.5198	1078.5535	0.0337	31	1176	1184	KQCPSTTEK	Carbamidomethyl (C)[3]	Mascot
1078.5198	1078.5535	0.0337	31	1176	1184	KQCPSTTEK	Carbamidomethyl (C)[3]	Mascot
1256.5575	1256.7063	0.1488	118	1340	1351	NVSCFVSDGSGK	Carbamidomethyl (C)[4]	Mascot
1256.5575	1256.7063	0.1488	118	1340	1351	NVSCFVSDGSGK	7 0 Carbamidomethyl (C)[4]	Mascot
1401.6766	1401.6169	-0.0597	-43	195	207	VGPWGQCMAPIR		Mascot
1401.6766	1401.6169	-0.0597	-43	195	207	VGPWGQCMAPIR		Mascot
1564.8992	1564.7493	-0.1499	-96	714	727	VICVRVNVGQVPPK	Carbamidomethyl (C)[3]	Mascot
1601.7635	1601.8257	0.0622	39	1152	1164	CPLPCNVNSTRQR	Carbamidomethyl (C)[1,5]	Mascot
1698.8228	1698.8666	0.0438	26	87	101	GEEGIQTREVGCVHK	Carbamidomethyl (C)[12]	Mascot
1698.8228	1698.8666	0.0438	26	87	101	GEEGIQTREVGCVHK	Carbamidomethyl (C)[12]	Mascot
1813.8948	1813.9523	0.0575	32	195	210	VGPWGQCMAPIRQAR	Carbamidomethyl (C)[7]	Mascot
1813.8948	1813.9523	0.0575	32	195	210	VGPWGQCMAPIRQAR	Carbamidomethyl (C)[7]	Mascot
1900.9004	1900.8574	-0.043	-23	178	194	TCQPGKCEGVESLHSLR	Carbamidomethyl (C)[2]	Mascot
1923.9052	1923.936	0.0308	16	694	712	AVPGTAVNDAFCVGMQ TR		Mascot
1924.7847	1924.9244	0.1397	73	1	18	PWGRCMGSECGPGGSQ SR	Carbamidomethyl (C)[5], Oxidation (M)[6]	Mascot
2133.0796	2132.8398	-0.2398	-112	158	177	SVLAPPLFGGSACPNLTE FR	Carbamidomethyl (C)[13]	Mascot
2215.1106	2215.0972	-0.0134	-6	585	604	QLCRDAILPMPVLCEVSC PK		Mascot
2283.177	2283.1873	0.0103	5	728	746	KCPESLRPETVRPCLLP K	Carbamidomethyl (C)[2,14]	Mascot
2284.1125	2284.1824	0.0699	31	437	457	EYVCVQAPSETSSNLGS LKSK	Carbamidomethyl (C)[4]	Mascot
2996.3411	2996.4829	0.1418	47	865	891	FAGPMPQLTQSCQLPCQ DDCQLTAWSK		Mascot

31 thrombospondin type-1 domain containing protein 7A gi|309756395 181850.5 8.12 18 45 0 [Danio rerio]

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
846.4753	846.4293	-0.046	-54	956	963	VEGLLGMIK			Mascot
923.4192	923.4485	0.0293	32	1455	1461	WMTGAWR		Oxidation (M)[2]	Mascot
923.4192	923.4485	0.0293	32	1455	1461	WMTGAWR		Oxidation (M)[2]	Mascot
1009.4917	1009.4604	-0.0313	-31	1222	1229	TRMLDCVR		Oxidation (M)[3]	Mascot
1021.4982	1021.5103	0.0121	12	1178	1186	KQCPSTTEK			Mascot
1078.5198	1078.5535	0.0337	31	1178	1186	KQCPSTTEK		Carbamidomethyl (C)[3]	Mascot
1078.5198	1078.5535	0.0337	31	1178	1186	KQCPSTTEK		Carbamidomethyl (C)[3]	Mascot
1256.5575	1256.7063	0.1488	118	1342	1353	NVSCFVSDGSGK		Carbamidomethyl (C)[4]	Mascot
1256.5575	1256.7063	0.1488	118	1342	1353	NVSCFVSDGSGK	7 0	Carbamidomethyl (C)[4]	Mascot

	1401.6766	1401.6169	-0.0597	-43	195	207	VGPWGQCMASPIR		Mascot		
	1401.6766	1401.6169	-0.0597	-43	195	207	VGPWGQCMASPIR		Mascot		
	1564.8992	1564.7493	-0.1499	-96	714	727	VICVRVNVGQVPPK	Carbamidomethyl (C)[3]	Mascot		
	1601.7635	1601.8257	0.0622	39	1154	1166	CPLPCNVNSTRQR	Carbamidomethyl (C)[1,5]	Mascot		
	1698.8228	1698.8666	0.0438	26	87	101	GEEGIQTREVGCVHK	Carbamidomethyl (C)[12]	Mascot		
	1698.8228	1698.8666	0.0438	26	87	101	GEEGIQTREVGCVHK	Carbamidomethyl (C)[12]	Mascot		
	1813.8948	1813.9523	0.0575	32	195	210	VGPWGQCMASPIRQAR	Carbamidomethyl (C)[7]	Mascot		
	1813.8948	1813.9523	0.0575	32	195	210	VGPWGQCMASPIRQAR	Carbamidomethyl (C)[7]	Mascot		
	1900.9004	1900.8574	-0.043	-23	178	194	TCQPGKCEGVESLHSLR	Carbamidomethyl (C)[2]	Mascot		
	1923.9052	1923.936	0.0308	16	694	712	AVPGTAVNDAFCSVGMQ TR		Mascot		
	1924.7847	1924.9244	0.1397	73	1	18	PWGRCMGSECGPGGSQ SR	Carbamidomethyl (C)[5], Oxidation (M)[6]	Mascot		
	2133.0796	2132.8398	-0.2398	-112	158	177	SVLAPPLFGGSACPNLTE FR	Carbamidomethyl (C)[13]	Mascot		
	2215.1106	2215.0972	-0.0134	-6	585	604	QLCRDAILPMPVLCEVSC PK		Mascot		
	2283.177	2283.1873	0.0103	5	728	746	KCPESLRPETVRPCLLP K	Carbamidomethyl (C)[2,14]	Mascot		
	2284.1125	2284.1824	0.0699	31	437	457	EYVCVQAPSETSSNLGS LKSK	Carbamidomethyl (C)[4]	Mascot		
	2996.3411	2996.4829	0.1418	47	865	891	FAGPM PQLTQSCQLPCQ DDCQLTAWSK		Mascot		
32	ventricular myosin heavy chain-like [Danio rerio]				gi 163644263		223174.2	5.47	22	44	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
846.4679	846.4293	-0.0386	-46	919	925 AKELTER					Mascot
877.4025	877.4266	0.0241	27	826	831 NWPWMK			Oxidation (M)[5]		Mascot
926.5053	926.5677	0.0624	67	969	976 HATENKVK					Mascot
1074.5426	1074.5758	0.0332	31	1910	1919 ADIAESQVNK					Mascot
1159.647	1159.6351	-0.0119	-10	402	411 VKVGNEWVTK					Mascot
1165.6827	1165.5721	-0.1106	-95	1476	1485 SLSTELFKLK					Mascot
1165.6827	1165.7524	0.0697	60	1476	1485 SLSTELFKLK					Mascot
1179.531	1179.6169	0.0859	73	1580	1588 DEEMEQQVKR			Oxidation (M)[4]		Mascot
1401.6388	1401.6169	-0.0219	-16	848	858 EMANMKEEFLK			Oxidation (M)[2,5]		Mascot
1401.6388	1401.6169	-0.0219	-16	848	858 EMANMKEEFLK			Oxidation (M)[2,5]		Mascot
1601.8633	1601.8257	-0.0376	-23	953	966 DIDDLELTLAKVEK					Mascot
1646.8306	1646.8248	-0.0058	-4	977	991 NLTEEMAALDDIIAK					Mascot
1718.8595	1718.8704	0.0109	6	595	609 NEDPLNETVVGlyQK					Mascot
1718.8595	1718.8704	0.0109	6	595	609 NEDPLNETVVGlyQK					Mascot

	1791.7627	1791.8849	0.1222	68	366	381	QREEQAEADGTEDADK						Mascot
	1900.9685	1900.8574	-0.1111	-58	1226	1242	LELDDVASSMEHIVKSK						Mascot
	1924.9135	1924.9244	0.0109	6	1375	1390	YETDAIQRTEEELEAK						Mascot
	1945.9146	1945.8866	-0.028	-14	1	18	MGDAEMSVFGAAAPYLR K	Oxidation (M)[1,6]					Mascot
	1958.9917	1958.9872	-0.0045	-2	1504	1521	ILQEEISDLTEQLGEGGK						Mascot
	1961.941	1961.8923	-0.0487	-25	1652	1668	DSQLQLDDSLRSNDDLK						Mascot
	2132.9731	2132.8398	-0.1333	-62	1338	1354	HDTDLLREQYEEEQEAK						Mascot
	2216.1313	2216.0854	-0.0459	-21	382	401	SAYLMGLNSADLIKGLCH PR	Carbamidomethyl (C)[17]					Mascot
	2232.1262	2232.0674	-0.0588	-26	382	401	SAYLMGLNSADLIKGLCH PR	Carbamidomethyl (C)[17], Oxidation (M)[5]					Mascot
	2555.187	2555.1997	0.0127	5	148	169	TEAPPHIYSISDNAYQYM LADR						Mascot
	2555.187	2555.1997	0.0127	5	148	169	TEAPPHIYSISDNAYQYM LADR						Mascot
	2708.3428	2708.3342	-0.0086	-3	680	703	TPGAMENPLVMHQLRCN GVLEGIR	Carbamidomethyl (C)[16], Oxidation (M)[5]					Mascot
	3088.4309	3088.4038	-0.0271	-9	885	910	NDLQLQVQAEQDNLCDA EERCEGLIK	Carbamidomethyl (C)[15,21]					Mascot
33	phosphatidylinositol phosphate 5-kinase type III isoform c [Danio rerio]						gi 164523608	235662.7	6.39	24	44	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.473	842.5118	0.0388	46	63	71	TGANIAPAK					Mascot
846.5117	846.4293	-0.0824	-97	2039	2045	KLEMVVK					Mascot
916.5284	916.5395	0.0111	12	1336	1343	GCVQIVLK			Carbamidomethyl (C)[2]		Mascot
916.5284	916.5395	0.0111	12	1336	1343	GCVQIVLK			Carbamidomethyl (C)[2]		Mascot
1021.5173	1021.5103	-0.007	-7	1216	1223	QREGTQFR					Mascot
1123.5742	1123.4373	-0.1369	-122	1595	1605	NPSPPVPNGDK					Mascot
1128.6523	1128.541	-0.1113	-99	1509	1517	GWIEKLQVR					Mascot
1130.5073	1130.5981	0.0908	80	356	364	TDHSEEERK					Mascot
1130.5073	1130.5981	0.0908	80	356	364	TDHSEEERK					Mascot
1162.6062	1162.5543	-0.0519	-45	322	332	SASVTNLSLDR					Mascot
1165.5596	1165.5721	0.0125	11	135	145	SEAPLGSHDPR					Mascot
1179.6805	1179.6169	-0.0636	-54	1433	1442	LLEICLPPPK			Carbamidomethyl (C)[5]		Mascot
1401.6025	1401.6169	0.0144	10	1490	1500	EEKMEDMFAQK			Oxidation (M)[4]		Mascot
1401.6025	1401.6169	0.0144	10	1490	1500	EEKMEDMFAQK			Oxidation (M)[4]		Mascot
1564.8152	1564.7493	-0.0659	-42	2056	2068	MPTVVSPELYRTR			Oxidation (M)[1]		Mascot
1618.0125	1617.8214	-0.1911	-118	1433	1446	LLEICLPPPKIIIR					Mascot
1682.7867	1682.9185	0.1318	78	982	997	NASITSFSGGEEENIK					Mascot

	1694.8795	1694.8947	0.0152	9	1975	1988	LVHDNPLYIRSHCK												Mascot
	1718.8126	1718.8704	0.0578	34	1761	1776	NSPAKPSDNSMSQLSR												Mascot
	1718.8126	1718.8704	0.0578	34	1761	1776	NSPAKPSDNSMSQLSR												Mascot
	1813.7819	1813.9523	0.1704	94	219	233	FMGYTGDLRACTYCR						Carbamidomethyl (C)[11]						Mascot
	1813.7819	1813.9523	0.1704	94	219	233	FMGYTGDLRACTYCR						Carbamidomethyl (C)[11]						Mascot
	1822.9069	1822.9269	0.02	11	2017	2032	DDSTDELVVGIIIDYIR												Mascot
	1900.9005	1900.8574	-0.0431	-23	842	858	TLMFFEGCPPQLGCTIK						Oxidation (M)[3]						Mascot
	1924.8721	1924.9244	0.0523	27	2076	2091	YFLMVPDHWSGLGLNC						Carbamidomethyl (C)[16], Oxidation (M)[4]						Mascot
	1945.976	1945.8866	-0.0894	-46	1759	1776	VKNSPAKPSDNSMSQLS R												Mascot
	1961.9709	1961.8923	-0.0786	-40	1759	1776	VKNSPAKPSDNSMSQLS R						Oxidation (M)[13]						Mascot
	2133.0745	2132.8398	-0.2347	-110	1956	1974	TDQKGKESCEVLLDENLL K												Mascot
	2211.1123	2211.1138	0.0015	1	842	860	TLMFFEGCPPQLGCTIKL R						Carbamidomethyl (C)[8]						Mascot
	2284.1287	2284.1824	0.0537	24	842	860	TLMFFEGCPPQLGCTIKL R						Carbamidomethyl (C)[8,14], Oxidation (M)[3]						Mascot
	2708.1653	2708.3342	0.1689	62	2069	2091	FCEAMDKYFLMVPDHWS GLGLNC						Oxidation (M)[5,11]						Mascot
34	1-phosphatidylinositol-3-phosphate 5-kinase [Danio rerio]				gi 187937038	236760.3	6.51	24	44	0									

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
842.473	842.5118	0.0388	46	63	71	TGANIAPAK						Mascot
846.5117	846.4293	-0.0824	-97	2048	2054	KLEMVVK						Mascot
916.5284	916.5395	0.0111	12	1345	1352	GCVQIVLK			Carbamidomethyl (C)[2]			Mascot
916.5284	916.5395	0.0111	12	1345	1352	GCVQIVLK			Carbamidomethyl (C)[2]			Mascot
1021.5173	1021.5103	-0.007	-7	1225	1232	QREGTQFR						Mascot
1123.5742	1123.4373	-0.1369	-122	1604	1614	NPSPVVPNGDK						Mascot
1128.6523	1128.541	-0.1113	-99	1518	1526	GWIEKLQVR						Mascot
1130.5073	1130.5981	0.0908	80	365	373	TDHSEEERK						Mascot
1130.5073	1130.5981	0.0908	80	365	373	TDHSEEERK						Mascot
1162.6062	1162.5543	-0.0519	-45	331	341	SASVTNLSLDR						Mascot
1165.5596	1165.5721	0.0125	11	135	145	SEAPLGSHDPR						Mascot
1179.6805	1179.6169	-0.0636	-54	1442	1451	LLEICLPPPK			Carbamidomethyl (C)[5]			Mascot
1401.6025	1401.6169	0.0144	10	1499	1509	EKMEDMFAQK			Oxidation (M)[4]			Mascot
1401.6025	1401.6169	0.0144	10	1499	1509	EKMEDMFAQK			Oxidation (M)[4]			Mascot
1564.8152	1564.7493	-0.0659	-42	2065	2077	MPTVVSPELYRTR			Oxidation (M)[1]			Mascot
1618.0125	1617.8214	-0.1911	-118	1442	1455	LLEICLPPPKIIR						Mascot

		1682.7867	1682.9185	0.1318	78	991	1006	NASITSFSGGEEENIK										Mascot
		1694.8795	1694.8947	0.0152	9	1984	1997	LVHDNPLYIRSHCK										Mascot
		1718.8126	1718.8704	0.0578	34	1770	1785	NSPAKPSDNSMSQLSR										Mascot
		1718.8126	1718.8704	0.0578	34	1770	1785	NSPAKPSDNSMSQLSR										Mascot
		1813.7819	1813.9523	0.1704	94	219	233	FMGYTGDLRACTYCR									Carbamidomethyl (C)[11]	Mascot
		1813.7819	1813.9523	0.1704	94	219	233	FMGYTGDLRACTYCR									Carbamidomethyl (C)[11]	Mascot
		1822.9069	1822.9269	0.02	11	2026	2041	DDSTDELVVGIIIDYIR										Mascot
		1900.9005	1900.8574	-0.0431	-23	851	867	TLMFFEGCPPQLGCTIK									Oxidation (M)[3]	Mascot
		1924.8721	1924.9244	0.0523	27	2085	2100	YFLMVPDHW SGLGLNC									Carbamidomethyl (C)[16], Oxidation (M)[4]	Mascot
		1945.976	1945.8866	-0.0894	-46	1768	1785	VKNSPA KPSDNSMSQLS R										Mascot
		1961.9709	1961.8923	-0.0786	-40	1768	1785	VKNSPA KPSDNSMSQLS R									Oxidation (M)[13]	Mascot
		2133.0745	2132.8398	-0.2347	-110	1965	1983	TDQGKESCEVLLDENLL K										Mascot
		2211.1123	2211.1138	0.0015	1	851	869	TLMFFEGCPPQLGCTIKL R									Carbamidomethyl (C)[8]	Mascot
		2284.1287	2284.1824	0.0537	24	851	869	TLMFFEGCPPQLGCTIKL R									Carbamidomethyl (C)[8,14], Oxidation (M)[3]	Mascot
		2708.1653	2708.3342	0.1689	62	2078	2100	FCEAMD KYFLMVPDHW S GLGLNC									Oxidation (M)[5,11]	Mascot
35	hypothetical protein LOC564706 [Danio rerio]							gi 167555073	77868.5	8.75	12	44	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5043	882.5717	0.0674	76	316	323	DVHLISAK					Mascot
923.4073	923.4485	0.0412	45	300	307	QLMADCAR			Oxidation (M)[3]		Mascot
923.4073	923.4485	0.0412	45	300	307	QLMADCAR			Oxidation (M)[3]		Mascot
1165.6477	1165.5721	-0.0756	-65	394	403	FPILNPTAHR					Mascot
1165.7303	1165.7524	0.0221	19	515	525	LVVPTVAITPR					Mascot
1256.6705	1256.7063	0.0358	28	20	30	HLSGTRTESLR					Mascot
1256.6705	1256.7063	0.0358	28	20	30	HLSGTRTESLR	2	0			Mascot
1564.7853	1564.7493	-0.036	-23	474	487	SPKADAELSYNEIK					Mascot
1601.8282	1601.8257	-0.0025	-2	283	296	VDLLPGDAQNYLQR					Mascot
1617.8165	1617.8214	0.0049	3	341	355	HRGDVYLIGMANAGK			Oxidation (M)[10]		Mascot
1698.922	1698.8666	-0.0554	-33	216	229	CFLIQHQQRALSVR					Mascot
1698.922	1698.8666	-0.0554	-33	216	229	CFLIQHQQRALSVR					Mascot
1813.9515	1813.9523	0.0008	0	411	425	LQQTQQNITADELRR					Mascot
1813.9515	1813.9523	0.0008	0	411	425	LQQTQQNITADELRR					Mascot
1946.0276	1945.8866	-0.141	-72	199	215	YKPLLEGGGLERAVCQR			Carbamidomethyl (C)[15]		Mascot

	2996.438	2996.4829	0.0449	15	343	369	GDVYLIGMANAGKSTLFN TLES DYCK						Carbamidomethyl (C)[26], Oxidation (M)[8]	Mascot
36	PREDICTED: hypothetical protein LOC100536595 [Danio rerio]				gi 326669816	64937.6	5.46	11	41	0				

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type	
877.4698	877.4266	-0.0432	-49	513	519	LVEELMK				Oxidation (M)[6]		Mascot	
1045.5889	1045.5436	-0.0453	-43	365	373	VIDTLESLR						Mascot	
1128.5653	1128.541	-0.0243	-22	195	204	MSCPHKNIAK						Mascot	
1143.4744	1143.6393	0.1649	144	319	327	CPGCQMIYR				Carbamidomethyl (C)[1], Oxidation (M)[6]		Mascot	
1201.5817	1201.6323	0.0506	42	195	204	MSCPHKNIAK				Carbamidomethyl (C)[3], Oxidation (M)[1]		Mascot	
1340.6021	1340.6705	0.0684	51	318	327	RCPGCQMIYR				Carbamidomethyl (C)[2,5]		Mascot	
1718.8629	1718.8704	0.0075	4	513	526	LVEELMKQEVDDVR				Oxidation (M)[6]		Mascot	
1718.8629	1718.8704	0.0075	4	513	526	LVEELMKQEVDDVR				Oxidation (M)[6]		Mascot	
1813.7843	1813.9523	0.168	93	531	546	DCNVDSNGSAFDMILR				Carbamidomethyl (C)[2]		Mascot	
1813.7843	1813.9523	0.168	93	531	546	DCNVDSNGSAFDMILR				Carbamidomethyl (C)[2]		Mascot	
2126.1392	2126.0715	-0.0677	-32	157	174	FTLSIYEPVVNQFSRLGR						Mascot	
2214.9939	2215.0972	0.1033	47	528	546	LCKDCNVDSNGSAFDMILR				Carbamidomethyl (C)[2,5]		Mascot	
2225.1343	2225.1301	-0.0042	-2	299	318	NAQIVTMAGVINDVSTYTRR				Oxidation (M)[7]		Mascot	
2555.2314	2555.1997	-0.0317	-12	172	194	LGRVMVTYNSTTGTWNCPCAKPR						Mascot	
2555.2314	2555.1997	-0.0317	-12	172	194	LGRVMVTYNSTTGTWNCPCAKPR						Mascot	

37	PREDICTED: general transcription factor II-I repeat domain-containing protein 1-like [Danio rerio]				gi 326668145	64699.1	8.27	12	41	0
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Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type	
877.5253	877.4266	-0.0987	-112	202	208	IFLNSRK						Mascot	
1045.5935	1045.5436	-0.0499	-48	126	134	AALRMAQIR				Oxidation (M)[5]		Mascot	
1077.5509	1077.5374	-0.0135	-13	536	544	RPCTYGVPK				Carbamidomethyl (C)[3]		Mascot	
1128.6483	1128.541	-0.1073	-95	328	336	ILEQSNRIR						Mascot	
1143.5641	1143.6393	0.0752	66	342	351	TPEEPSREAK						Mascot	
1516.8409	1516.6703	-0.1706	-112	286	298	SSLVPVPYDWILK						Mascot	
1682.8669	1682.9185	0.0516	31	516	531	IACDPEAVEIIGIPDK						Mascot	
1959.0156	1958.9872	-0.0284	-14	499	515	YAEALGLDHMPVPYRK						Mascot	
2225.1885	2225.1301	-0.0584	-26	516	535	IACDPEAVEIIGIPDKIPFK				Carbamidomethyl (C)[3]		Mascot	

	2284.1489	2284.1824	0.0335	15	178	199	LNAEVACVTVHEDSVIAV GTEK											Mascot
	2555.3625	2555.1997	-0.1628	-64	1	22	MASPPLPMVTDLAHHLI WKER											Mascot
	2555.3625	2555.1997	-0.1628	-64	1	22	MASPPLPMVTDLAHHLI WKER											Mascot
	2708.3308	2708.3342	0.0034	1	435	460	ECADNGERIGLAADLTQS PPSIHVSK											Mascot

38 PREDICTED: microtubule-associated protein 6-like [Danio rerio] gi|292621423 42669 9.6 9 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
846.429	846.4293	0.0003	0	2	8	AWPCITR					Mascot
877.456	877.4266	-0.0294	-34	369	375	SKEMINR					Mascot
1143.6198	1143.6393	0.0195	17	131	139	DYKPWPIPK					Mascot
1159.6721	1159.6351	-0.037	-32	22	32	GDIAPLVFTK					Mascot
1165.7052	1165.5721	-0.1331	-114	317	326	HNLSLTKPKK					Mascot
1165.7052	1165.7524	0.0472	40	317	326	HNLSLTKPKK					Mascot
1179.6368	1179.6169	-0.0199	-17	300	309	IRSLYSEPSK					Mascot
1694.7747	1694.8947	0.12	71	1	14	MAWPCITRACCINR			Carbamidomethyl (C)[5]		Mascot
1698.7727	1698.8666	0.0939	55	9	21	ACCINRFWSELDK			Carbamidomethyl (C)[2,3]		Mascot
1698.7727	1698.8666	0.0939	55	9	21	ACCINRFWSELDK			Carbamidomethyl (C)[2,3]		Mascot
2232.123	2232.0674	-0.0556	-25	141	161	GDHPWIPKPTAAAAPCK AESK			Carbamidomethyl (C)[16]		Mascot

39 phosphatidylinositol phosphate 5-kinase type III isoform d [Danio rerio] gi|164523610 234028.7 6.3 23 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
846.5117	846.4293	-0.0824	-97	2023	2029	KLEMMVK					Mascot
916.5284	916.5395	0.0111	12	1320	1327	GCVQIVLK			Carbamidomethyl (C)[2]		Mascot
916.5284	916.5395	0.0111	12	1320	1327	GCVQIVLK			Carbamidomethyl (C)[2]		Mascot
1021.5173	1021.5103	-0.007	-7	1200	1207	QREGTQFR					Mascot
1123.5742	1123.4373	-0.1369	-122	1579	1589	NPSPVVPNGDK					Mascot
1128.6523	1128.541	-0.1113	-99	1493	1501	GWIEKLQVR					Mascot
1130.5073	1130.5981	0.0908	80	340	348	TDHSEEERK					Mascot
1130.5073	1130.5981	0.0908	80	340	348	TDHSEEERK					Mascot
1162.6062	1162.5543	-0.0519	-45	306	316	SASVTNLSLDR					Mascot

	1165.5596	1165.5721	0.0125	11	119	129	SEAPLGSHDPR										Mascot
	1179.6805	1179.6169	-0.0636	-54	1417	1426	LLEICLPPPK										Mascot
	1401.6025	1401.6169	0.0144	10	1474	1484	EEKMEDMFAQK										Mascot
	1401.6025	1401.6169	0.0144	10	1474	1484	EEKMEDMFAQK										Mascot
	1564.8152	1564.7493	-0.0659	-42	2040	2052	MPTVVSPELYRTR										Mascot
	1617.8231	1617.8214	-0.0017	-1	58	71	FNKEEGRPPSVTEK										Mascot
	1682.7867	1682.9185	0.1318	78	966	981	NASITSFSGGEEENIK										Mascot
	1694.8795	1694.8947	0.0152	9	1959	1972	LVHDNPLYIRSHCK										Mascot
	1718.8126	1718.8704	0.0578	34	1745	1760	NSPAKPSDNSMSQLSR										Mascot
	1718.8126	1718.8704	0.0578	34	1745	1760	NSPAKPSDNSMSQLSR										Mascot
	1813.7819	1813.9523	0.1704	94	203	217	FMGYTGDLRACTYCR										Mascot
	1813.7819	1813.9523	0.1704	94	203	217	FMGYTGDLRACTYCR										Mascot
	1822.9069	1822.9269	0.02	11	2001	2016	DDSTDELVVGIIDYIR										Mascot
	1900.9005	1900.8574	-0.0431	-23	826	842	TLMFFEGCPPQLGCTIK										Mascot
	1924.8721	1924.9244	0.0523	27	2060	2075	YFLMVPDHW SGLGLNC										Mascot
	1945.976	1945.8866	-0.0894	-46	1743	1760	VKN SPAKPSDNSMSQLS R										Mascot
	1961.9709	1961.8923	-0.0786	-40	1743	1760	VKN SPAKPSDNSMSQLS R										Mascot
	2133.0745	2132.8398	-0.2347	-110	1940	1958	TDQ GKESCEVLLDENLL K										Mascot
	2211.1123	2211.1138	0.0015	1	826	844	TLMFFEGCPPQLGCTIKL R										Mascot
	2284.1287	2284.1824	0.0537	24	826	844	TLMFFEGCPPQLGCTIKL R										Mascot
	2708.1653	2708.3342	0.1689	62	2053	2075	FCEAMD KYFLMVPDHW S GLGLNC										Mascot
40	novel protein similar to to adhesion molecule with Ig-like gi 169146257 domain 1 (AMIGO1) [Danio rerio]										55321.1	6.31	10	40	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
916.4305	916.5395	0.109	119	27	34	GSTLNCHK			Carbamidomethyl (C)[6]		Mascot
916.4305	916.5395	0.109	119	27	34	GSTLNCHK			Carbamidomethyl (C)[6]		Mascot
926.5094	926.5677	0.0583	63	437	444	HVAFIDPK					Mascot
1128.5942	1128.541	-0.0532	-47	25	34	IRGSTLNCHK					Mascot
1179.6368	1179.6169	-0.0199	-17	112	121	YLDLSSNVLR					Mascot
1201.4799	1201.6323	0.1524	127	399	407	CFCCPDKSK			Carbamidomethyl (C)[1,3,4]		Mascot
1273.618	1273.623	0.005	4	1	10	MPPSINWCIR			Carbamidomethyl (C)[8]		Mascot
2133.0393	2132.8398	-0.1995	-94	281	297	EAYLEQTLILDCTRHR			Carbamidomethyl (C)[12]		Mascot
2214.9797	2215.0972	0.1175	53	27	47	GSTLNCHKMCICASNIVS CSK			Oxidation (M)[9]		Mascot

	2284.0762	2284.1824	0.1062	46	277	295	ETDREAYLEQTLILDCDT R						Mascot
	2784.4585	2784.3301	-0.1284	-46	1	24	MPPSINWCIRWAVCLSCI LALIPK	Carbamidomethyl (C)[8]					Mascot
41	rho-related GTP-binding protein RhoF [Danio rerio]				gi 66472464		23723.2	9	7	40	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
926.4617	926.5677	0.106	114	45	52	YAPSVFDK					Mascot
1021.4948	1021.5103	0.0155	15	176	183	ENVEDIFR					Mascot
1074.5612	1074.5758	0.0146	14	19	29	IVIVGDGGCGK			Carbamidomethyl (C)[9]		Mascot
1340.6593	1340.6705	0.0112	8	174	183	YRENVEDIFR					Mascot
1516.6658	1516.6703	0.0045	3	161	173	EMNAEIYLECSAK			Oxidation (M)[2]		Mascot
1698.8771	1698.8666	-0.0105	-6	30	44	TSLLMVYAKGDFPEK					Mascot
1698.8771	1698.8666	-0.0105	-6	30	44	TSLLMVYAKGDFPEK					Mascot
2784.3767	2784.3301	-0.0466	-17	1	29	MTQNGTVAGNGTHADAL KIVIVGDGGCGK					Mascot

42	PREDICTED: amphoterin-induced protein 1 [Danio rerio]				gi 189522545		55420.2	6.31	10	40	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
916.4305	916.5395	0.109	119	27	34	GSTLNCHK			Carbamidomethyl (C)[6]		Mascot
916.4305	916.5395	0.109	119	27	34	GSTLNCHK			Carbamidomethyl (C)[6]		Mascot
926.5094	926.5677	0.0583	63	437	444	HVAFIDPK					Mascot
1128.5942	1128.541	-0.0532	-47	25	34	IRGSTLNCHK					Mascot
1179.6368	1179.6169	-0.0199	-17	112	121	YLDLSSNVLR					Mascot
1201.4799	1201.6323	0.1524	127	399	407	CFCCPDKSK			Carbamidomethyl (C)[1,3,4]		Mascot
1273.618	1273.623	0.005	4	1	10	MPPSINWCIR			Carbamidomethyl (C)[8]		Mascot
2133.0393	2132.8398	-0.1995	-94	281	297	EAYLEQTLILDCDTRHR			Carbamidomethyl (C)[12]		Mascot
2214.9797	2215.0972	0.1175	53	27	47	GSTLNCHKMCICASNIVS CSK			Oxidation (M)[9]		Mascot
2284.0762	2284.1824	0.1062	46	277	295	ETDREAYLEQTLILDCDT R					Mascot
2784.4585	2784.3301	-0.1284	-46	1	24	MPPSINWCIRWAVCLSCI LALIPK			Carbamidomethyl (C)[8]		Mascot

43	Zgc:110331 [Danio rerio]				gi 62202266		17382.1	8.3	7	40	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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		882.5294	882.5717	0.0423	48	122	129	ELSLPPVK										Mascot
		916.5461	916.5395	-0.0066	-7	114	121	IKNTEIAK										Mascot
		916.5461	916.5395	-0.0066	-7	114	121	IKNTEIAK										Mascot
		1045.5636	1045.5436	-0.02	-19	42	51	NVGSLDKNAK										Mascot
		1128.5432	1128.541	-0.0022	-2	33	41	VVDHYENPR										Mascot
		1256.6382	1256.7063	0.0681	54	32	41	KVVDHYENPR										Mascot
		1256.6382	1256.7063	0.0681	54	32	41	KVVDHYENPR										Mascot
		1682.9622	1682.9185	-0.0437	-26	9	24	CAAPQILKTLAPTLR										Mascot
		1958.9785	1958.9872	0.0087	4	49	68	NAKNVGTGLVGAPACGD VMK					Carbamidomethyl (C)[15]					Mascot
44	phosphatidylinositol phosphate 5-kinase type III isoform b [Danio rerio]							gi 164523606	235126.3	6.42	23	40	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
846.5117	846.4293	-0.0824	-97	2032	2038	KLEMVVK					Mascot
916.5284	916.5395	0.0111	12	1329	1336	GCVQIVLK			Carbamidomethyl (C)[2]		Mascot
916.5284	916.5395	0.0111	12	1329	1336	GCVQIVLK			Carbamidomethyl (C)[2]		Mascot
1021.5173	1021.5103	-0.007	-7	1209	1216	QREGTQFR					Mascot
1123.5742	1123.4373	-0.1369	-122	1588	1598	NPSPVVPNGDK					Mascot
1128.6523	1128.541	-0.1113	-99	1502	1510	GWIEKLQVR					Mascot
1130.5073	1130.5981	0.0908	80	349	357	TDHSEEERK					Mascot
1130.5073	1130.5981	0.0908	80	349	357	TDHSEEERK					Mascot
1162.6062	1162.5543	-0.0519	-45	315	325	SASVTNLSLDR					Mascot
1165.5596	1165.5721	0.0125	11	119	129	SEAPLGSHDPR					Mascot
1179.6805	1179.6169	-0.0636	-54	1426	1435	LLEICLPPPK			Carbamidomethyl (C)[5]		Mascot
1401.6025	1401.6169	0.0144	10	1483	1493	EEKMEDMFAQK			Oxidation (M)[4]		Mascot
1401.6025	1401.6169	0.0144	10	1483	1493	EEKMEDMFAQK			Oxidation (M)[4]		Mascot
1564.8152	1564.7493	-0.0659	-42	2049	2061	MPTVVSPELYRTR			Oxidation (M)[1]		Mascot
1617.8231	1617.8214	-0.0017	-1	58	71	FNKEEGRPPSVTEK					Mascot
1682.7867	1682.9185	0.1318	78	975	990	NASITSFSGGEEENIK					Mascot
1694.8795	1694.8947	0.0152	9	1968	1981	LVHDNPLYIRSHCK					Mascot
1718.8126	1718.8704	0.0578	34	1754	1769	NSPAKPSDNSMSQLSR					Mascot
1718.8126	1718.8704	0.0578	34	1754	1769	NSPAKPSDNSMSQLSR					Mascot
1813.7819	1813.9523	0.1704	94	203	217	FMGYTGDLRACTYCR			Carbamidomethyl (C)[11]		Mascot
1813.7819	1813.9523	0.1704	94	203	217	FMGYTGDLRACTYCR			Carbamidomethyl (C)[11]		Mascot

	1822.9069	1822.9269	0.02	11	2010	2025	DDSTDELVVGIIDYIR											Mascot
	1900.9005	1900.8574	-0.0431	-23	835	851	TLMFFEGCPPQLGCTIK							Oxidation (M)[3]				Mascot
	1924.8721	1924.9244	0.0523	27	2069	2084	YFLMVPDHW SGLGLNC							Carbamidomethyl (C)[16], Oxidation (M)[4]				Mascot
	1945.976	1945.8866	-0.0894	-46	1752	1769	VKN SPAKPSD NSMSQLS R											Mascot
	1961.9709	1961.8923	-0.0786	-40	1752	1769	VKN SPAKPSD NSMSQLS R							Oxidation (M)[13]				Mascot
	2133.0745	2132.8398	-0.2347	-110	1949	1967	TDQ GKESCEV LLDENLL K											Mascot
	2211.1123	2211.1138	0.0015	1	835	853	TLMFFEGCPPQLGCTIKL R							Carbamidomethyl (C)[8]				Mascot
	2284.1287	2284.1824	0.0537	24	835	853	TLMFFEGCPPQLGCTIKL R							Carbamidomethyl (C)[8,14], Oxidation (M)[3]				Mascot
	2708.1653	2708.3342	0.1689	62	2062	2084	FCEAMDKYFLMVPDHW S GLGLNC							Oxidation (M)[5,11]				Mascot
45	PREDICTED: ubiquitin carboxyl-terminal hydrolase 4 isoform 1 [Danio rerio]				gi 326668740	112887.8	5.47	14	39	0	12	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.5118	-0.0088	-10	637	643	VLERIGR					Mascot
1045.5499	1045.5436	-0.0063	-6	137	145	VVEHGMFVK					Mascot
1123.5122	1123.4373	-0.0749	-67	474	483	STLVCPECSK			Carbamidomethyl (C)[5]		Mascot
1130.5992	1130.5981	-0.0011	-1	972	980	AAYVLFYQR					Mascot
1130.5992	1130.5981	-0.0011	-1	972	980	AAYVLFYQR					Mascot
1162.5409	1162.5543	0.0134	12	567	576	DDGLNQIMEK					Mascot
1340.678	1340.6705	-0.0075	-6	592	601	MNLPVYFRER			Oxidation (M)[1]		Mascot
1617.8635	1617.8214	-0.0421	-26	460	473	NDSIIVDIFHGLFK					Mascot
1718.7327	1718.8704	0.1377	80	807	820	RLCYDDQAEAYDK	12	0			Mascot
1718.7327	1718.8704	0.1377	80	807	820	RLCYDDQAEAYDK					Mascot
1945.9614	1945.8866	-0.0748	-38	791	807	LTTHSTVAIDWSDTKR					Mascot
1959.1174	1958.9872	-0.1302	-66	120	136	LVS WYGS LGNQKPIIRK					Mascot
2211.0308	2211.1138	0.083	38	149	166	VEVYLLELNL CENDNMD K			Carbamidomethyl (C)[11]		Mascot
2215.1541	2215.0972	-0.0569	-26	484	502	VSVTFDPFCYLTLP LPMK K			Oxidation (M)[17]		Mascot
2284.1497	2284.1824	0.0327	14	101	119	EHLIDELDYVL VPTEAWN K					Mascot
3088.356	3088.4038	0.0478	15	838	862	ECIELFTT METLGEHPW YCPTCKK			Carbamidomethyl (C)[2,20]		Mascot

46 dihydrofolate reductase [Danio rerio] gi|55926109 21684.2 8.39 7 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	916.5396	916.5395	-0.0001	0	50	57	KNVVIMGR							Mascot
	916.5396	916.5395	-0.0001	0	51	58	NVVIMGRK							Mascot
	1128.4548	1128.541	0.0862	76	40	49	MTMTPSDEGK			Oxidation (M)[1,3]				Mascot
	1256.5497	1256.7063	0.1566	125	40	50	MTMTPSDEGKK			Oxidation (M)[1,3]				Mascot
	1256.5497	1256.7063	0.1566	125	40	50	MTMTPSDEGKK			Oxidation (M)[1,3]				Mascot
	1636.7458	1636.8374	0.0916	56	36	49	HFQKMTMTPSDEGK							Mascot
	1718.8638	1718.8704	0.0066	4	4	19	ILNCIVAVCPDMGIGK			Carbamidomethyl (C)[4], Oxidation (M)[12]				Mascot
	1718.8638	1718.8704	0.0066	4	4	19	ILNCIVAVCPDMGIGK			Carbamidomethyl (C)[4], Oxidation (M)[12]				Mascot
	1946.002	1945.8866	-0.1154	-59	2	19	SRILNCIVAVCPDMGIGK			Carbamidomethyl (C)[6]				Mascot
	1961.9969	1961.8923	-0.1046	-53	2	19	SRILNCIVAVCPDMGIGK			Carbamidomethyl (C)[6], Oxidation (M)[14]				Mascot
47	PREDICTED: hypothetical protein LOC100001759 [Danio rerio]					gi 326669433	80882.8	4.62	1		20	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1256.7507	1256.7063	-0.0444	-35	218	227 ILLQELCRIR	20	0		2	Mascot
48	PREDICTED: endothelin-1-like [Danio rerio]				gi 326677209	15701.6	9.24	1	19	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	1256.682	1256.7063	0.0243	19	116	125 FKSSFLQMLR		19	0		3	Mascot
49	novel protein similar to vertebrate leucine rich repeat containing 14 (LRRC14) [Danio rerio]					gi 169146717	62537.7	5.92	1	19	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	916.4379	916.5395	0.1016	111	213	220 MLCAEPPR		19	0		2	Mascot
50	TSC22 domain family 2 [Danio rerio]				gil157886329		46847.9	5.04	1	18	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1256.6382	1256.7063	0.0681	54	143	153 LDHGTGEPFKR	18	0		4	Mascot

Gel Idx/Pos	222/I22	Instr./Gel Origin	BA2060/110707A				Process Status	Analysis Succeeded	
Plate [#] Name	[1] 31496	Instrument Sample Name					Spectra	11	

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %		
1	guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1 [Danio rerio]	gi 47086811	37262	5.6	13	712	100	628	100		
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	805.5042	805.5098	0.0056	7	90	96 VHAIPLR	51	99.773			Mascot
	805.5042	805.5098	0.0056	7	90	96 VHAIPLR					Mascot
	916.4958	916.5284	0.0326	36	130	137 EGNVRVSR					Mascot
	1009.5173	1009.5239	0.0066	7	305	314 AGVLAGHDNR					Mascot
	1009.5173	1009.5239	0.0066	7	305	314 AGVLAGHDNR	60	99.973			Mascot
	1225.5881	1225.5974	0.0093	8	198	209 LFGVSGACDASAK			Carbamidomethyl (C)[7]		Mascot
	1336.6104	1336.6201	0.0097	7	58	68 IYAMHWGTDSR					Mascot
	1336.6104	1336.6201	0.0097	7	58	68 IYAMHWGTDSR	77	100			Mascot
	1352.6052	1352.6165	0.0113	8	58	68 IYAMHWGTDSR			Oxidation (M)[4]		Mascot
	1352.6052	1352.6165	0.0113	8	58	68 IYAMHWGTDSR	22	0	Oxidation (M)[4]		Mascot
	1353.705	1353.677	-0.028	-21	79	89 LIIWDSYTTNK					Mascot
	1523.673	1523.6835	0.0105	7	138	150 ELAGHTGYLSCCR	117	100	Carbamidomethyl (C)[11,12]		Mascot
	1523.673	1523.6835	0.0105	7	138	150 ELAGHTGYLSCCR			Carbamidomethyl (C)[11,12]		Mascot
	1972.9757	1972.9861	0.0104	5	24	42 ACADATLSQITANIDPVG R	158	100	Carbamidomethyl (C)[2]		Mascot
	1972.9757	1972.9861	0.0104	5	24	42 ACADATLSQITANIDPVG R			Carbamidomethyl (C)[2]		Mascot
	2101.0706	2101.0815	0.0109	5	23	42 KACADATLSQITANIDPV GR	166	100	Carbamidomethyl (C)[3]		Mascot
	2101.0706	2101.0815	0.0109	5	23	42 KACADATLSQITANIDPV GR			Carbamidomethyl (C)[3]		Mascot
	2127.0215	2127.0369	0.0154	7	284	301 LLLAGYDDFNCNVWDAL K			Carbamidomethyl (C)[11]		Mascot
	2416.116	2416.1379	0.0219	9	315	337 VSCLGVTDDGMAVATGS WDSFLK			Carbamidomethyl (C)[3]		Mascot
	2432.1108	2432.1348	0.024	10	315	337 VSCLGVTDDGMAVATGS WDSFLK			Carbamidomethyl (C)[3], Oxidation (M)[11]		Mascot
	2698.2852	2698.3074	0.0222	8	257	280 ADQELMVYSHDNIICGITS VAFSK			Carbamidomethyl (C)[15]		Mascot
	2714.28	2714.3083	0.0283	10	257	280 ADQELMVYSHDNIICGITS VAFSK			Carbamidomethyl (C)[15], Oxidation (M)[6]		Mascot
	3521.512	3521.5479	0.0359	10	220	251 QTFTGHESDINAICFFPN GNAFATGSDDATCR			Carbamidomethyl (C)[14,31]		Mascot
2	guanine nucleotide binding protein (G protein), beta polypeptide 1, like [Danio rerio]	gi 47087315	37279	5.6	13	712	100	628	100		

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank Result Type
805.5042	805.5098	0.0056	7	90	96 VHAIPLR	51	99.773			Mascot
805.5042	805.5098	0.0056	7	90	96 VHAIPLR					Mascot
916.4958	916.5284	0.0326	36	130	137 EGNVRVSR					Mascot
1009.5173	1009.5239	0.0066	7	305	314 AGVLAGHDNR					Mascot
1009.5173	1009.5239	0.0066	7	305	314 AGVLAGHDNR	60	99.973			Mascot
1225.5881	1225.5974	0.0093	8	198	209 LfvSGACDASAK		Carbamidomethyl (C)[7]			Mascot
1336.6104	1336.6201	0.0097	7	58	68 IYAMHWGTDSR					Mascot
1336.6104	1336.6201	0.0097	7	58	68 IYAMHWGTDSR	77	100			Mascot
1352.6052	1352.6165	0.0113	8	58	68 IYAMHWGTDSR		Oxidation (M)[4]			Mascot
1352.6052	1352.6165	0.0113	8	58	68 IYAMHWGTDSR	22	0 Oxidation (M)[4]			Mascot
1353.705	1353.677	-0.028	-21	79	89 LIIWDSYTTNK					Mascot
1523.673	1523.6835	0.0105	7	138	150 ELAGHTGYLSCCR	117	100 Carbamidomethyl (C)[11,12]			Mascot
1523.673	1523.6835	0.0105	7	138	150 ELAGHTGYLSCCR		Carbamidomethyl (C)[11,12]			Mascot
1972.9757	1972.9861	0.0104	5	24	42 ACADATLSQITANIDPVG R	158	100 Carbamidomethyl (C)[2]			Mascot
1972.9757	1972.9861	0.0104	5	24	42 ACADATLSQITANIDPVG R		Carbamidomethyl (C)[2]			Mascot
2101.0706	2101.0815	0.0109	5	23	42 KACADATLSQITANIDPV GR	166	100 Carbamidomethyl (C)[3]			Mascot
2101.0706	2101.0815	0.0109	5	23	42 KACADATLSQITANIDPV GR		Carbamidomethyl (C)[3]			Mascot
2157.032	2157.0488	0.0168	8	284	301 LLLAGYDDFNCNVWDTL K		Carbamidomethyl (C)[11]			Mascot
2416.116	2416.1379	0.0219	9	315	337 VSCLGVTDDGMAVATGS WDSFLK		Carbamidomethyl (C)[3]			Mascot
2432.1108	2432.1348	0.024	10	315	337 VSCLGVTDDGMAVATGS WDSFLK		Carbamidomethyl (C)[3], Oxidation (M)[11]			Mascot
2698.2852	2698.3074	0.0222	8	257	280 ADQELMVYSHDNIICGITS VAFSK		Carbamidomethyl (C)[15]			Mascot
2714.28	2714.3083	0.0283	10	257	280 ADQELMVYSHDNIICGITS VAFSK		Carbamidomethyl (C)[15], Oxidation (M)[6]			Mascot
3521.512	3521.5479	0.0359	10	220	251 QTFTGHESDINAICFFPN GNAFATGSDDATCR		Carbamidomethyl (C)[14,31]			Mascot

3
guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2 [Danio rerio]
gi|61806564
37330
5.61
6
157
100
137
100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank Result Type
916.4958	916.5284	0.0326	36	130	137 EGNVRVSR					Mascot
1009.5173	1009.5239	0.0066	7	305	314 AGVLAGHDNR					Mascot

	1009.5173	1009.5239	0.0066	7	305	314	AGVLAGHDNR	60	99.973				Mascot	
	1336.6104	1336.6201	0.0097	7	58	68	IYAMHWGTDSR						Mascot	
	1336.6104	1336.6201	0.0097	7	58	68	IYAMHWGTDSR	77	100				Mascot	
	1352.6052	1352.6165	0.0113	8	58	68	IYAMHWGTDSR			Oxidation (M)[4]			Mascot	
	1352.6052	1352.6165	0.0113	8	58	68	IYAMHWGTDSR	22	0	Oxidation (M)[4]			Mascot	
	1353.705	1353.677	-0.028	-21	79	89	LIIWDSYTTNK						Mascot	
	1384.7291	1384.6061	-0.123	-89	9	19	QEAEQLRNQIR						Mascot	
	1728.8875	1728.8877	0.0002	0	2	15	SELEQLRQEAEQLR	1	0				Mascot	
	1728.8875	1728.8877	0.0002	0	2	15	SELEQLRQEAEQLR						Mascot	
4	hypothetical protein LOC492811 [Danio rerio]				gi 55925393			30709.6	5.95	1	117	100	117	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1523.673	1523.6835	0.0105	7	138	150	ELAGHTGYLSCCR	117	100		Carbamidomethyl (C)[11,12]		Mascot	
1523.673	1523.6835	0.0105	7	138	150	ELAGHTGYLSCCR				Carbamidomethyl (C)[11,12]		Mascot	

5	PREDICTED: guanine nucleotide-binding protein subunit beta-4-like [Danio rerio]				gi 326664688			32333.8	7.55	5	92	99.997	77	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1336.6104	1336.6201	0.0097	7	58	68	IYAMHWGTDSR						Mascot	
1336.6104	1336.6201	0.0097	7	58	68	IYAMHWGTDSR	77	100				Mascot	
1352.6052	1352.6165	0.0113	8	58	68	IYAMHWGTDSR				Oxidation (M)[4]		Mascot	
1352.6052	1352.6165	0.0113	8	58	68	IYAMHWGTDSR	22	0		Oxidation (M)[4]		Mascot	
1384.7291	1384.6061	-0.123	-89	9	19	QEAEQLRNQIR						Mascot	
1728.8875	1728.8877	0.0002	0	2	15	SELEQLRQEAEQLR	1	0				Mascot	
1728.8875	1728.8877	0.0002	0	2	15	SELEQLRQEAEQLR						Mascot	
2225.1536	2225.136	-0.0176	-8	238	256	VGSPHQCLILFIDVEGVWR				Carbamidomethyl (C)[7]		Mascot	
2416.1272	2416.1379	0.0107	4	269	291	VSLGVTSDGMAVATGSWDSFLR				Carbamidomethyl (C)[3]		Mascot	
2432.1221	2432.1348	0.0127	5	269	291	VSLGVTSDGMAVATGSWDSFLR				Carbamidomethyl (C)[3], Oxidation (M)[11]		Mascot	

6	translation initiation factor IF-2, mitochondrial [Danio rerio]				gi 148232980			78605	6.39	11	54	83.466		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
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	805.4236	805.5098	0.0862	107	362	369	GCTLVAGK				Carbamidomethyl (C)[2]	Mascot
	805.4236	805.5098	0.0862	107	362	369	GCTLVAGK				Carbamidomethyl (C)[2]	Mascot
	902.4689	902.4631	-0.0058	-6	139	145	ENKDIQR					Mascot
	902.4689	902.4631	-0.0058	-6	139	145	ENKDIQR	17	0			Mascot
	916.5098	916.5284	0.0186	20	559	566	SIQQLAEK					Mascot
	1045.4143	1045.5706	0.1563	150	426	433	SYMEEQDK				Oxidation (M)[3]	Mascot
	1384.7002	1384.6061	-0.0941	-68	268	279	CDKPQADPQRVK					Mascot
	1474.7834	1474.7925	0.0091	6	158	171	APVVTIMGHIDHGK					Mascot
	1515.7649	1515.7632	-0.0017	-1	327	341	GDPTGLVEGSVIESR					Mascot
	1750.8582	1750.8677	0.0095	5	208	223	ITFLDTPGHAAFSAMR				Oxidation (M)[15]	Mascot
	1759.9048	1759.9391	0.0343	19	644	658	DMIWDGSVTTLKHLK				Oxidation (M)[2]	Mascot
	3521.6841	3521.5479	-0.1362	-39	11	41	TSLSCWHHGGPPLSPVS AWTNKPPYTCSQIR				Carbamidomethyl (C)[5,27]	Mascot
	3522.5596	3522.5376	-0.022	-6	666	696	TGMECGLSLDNEDLEYK PGDAIICYSESEVK				Carbamidomethyl (C)[5,24]	Mascot
	3522.5596	3522.5376	-0.022	-6	666	696	TGMECGLSLDNEDLEYK PGDAIICYSESEVK				Carbamidomethyl (C)[5,24]	Mascot
7	Zgc:110331 [Danio rerio]				gi 62202266		17382.1	8.3	8	53	76.646	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	882.5294	882.5742	0.0448	51	122	129	ELSLPPVK				Mascot
	916.5461	916.5284	-0.0177	-19	114	121	IKNTEIAK				Mascot
	1045.5636	1045.5706	0.007	7	42	51	NVGSLDKNAK				Mascot
	1256.6382	1256.7085	0.0703	56	32	41	KVVDHYENPR				Mascot
	1515.7285	1515.7632	0.0347	23	151	164	QEGEPVEETAVART				Mascot
	1645.8036	1645.8855	0.0819	50	52	68	NVGTGLVGAPACGDVMK			Carbamidomethyl (C)[12]	Mascot
	2157.0645	2157.0488	-0.0157	-7	86	106	TFGCGSAIASSSLATEWV KGK			Carbamidomethyl (C)[4]	Mascot
	2714.3486	2714.3083	-0.0403	-15	52	78	NVGTGLVGAPACGDVMK LQVEVDEAGK			Carbamidomethyl (C)[12]	Mascot

8 novel protein [Danio rerio] gi|94734043 43327.8 8.57 10 50 56.512

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	902.4689	902.4631	-0.0058	-6	38	45	GNSELNLR				Mascot
	902.4689	902.4631	-0.0058	-6	38	45	GNSELNLR	13	0		Mascot
	916.4709	916.5284	0.0575	63	229	235	WVNCPIK			Carbamidomethyl (C)[4]	Mascot
	1165.694	1165.754	0.06	51	154	164	IIVGHSTTPIK				Mascot

	1225.6211	1225.5974	-0.0237	-19	70	80	AVIETGPYYGR										Mascot
	1256.678	1256.7085	0.0305	24	290	301	GIPNLLARDGCK										Mascot
	1353.7161	1353.677	-0.0391	-29	70	81	AVIETGPYYGRK										Mascot
	1505.7516	1505.6705	-0.0811	-54	237	249	ALIQMVDQESLDK					Oxidation (M)[5]					Mascot
	1645.8578	1645.8855	0.0277	17	236	249	RALIQMVDQESLDK										Mascot
	2233.0442	2233.1003	0.0561	25	165	183	NNLTIYEEVYSMSGEARE K										Mascot
	3504.6821	3504.5334	-0.1487	-42	81	112	KMMTGYLAAQGVQAAEV GVGQISTQMHEPYHR					Oxidation (M)[2]					Mascot
9	LOC100005105 protein [Danio rerio]				gi 141795160		150631	8.58	13	47	13.23	27	46.433				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4825	864.5269	0.0444	51	854	860	FTQDLLK					Mascot
902.4689	902.4631	-0.0058	-6	131	138	NAADDKLR					Mascot
902.4689	902.4631	-0.0058	-6	131	138	NAADDKLR	27	46.433			Mascot
916.4345	916.5284	0.0939	102	1042	1048	TFGYCLR			Carbamidomethyl (C)[5]		Mascot
1009.6265	1009.5239	-0.1026	-102	841	848	RLLTLTHR					Mascot
1009.6265	1009.5239	-0.1026	-102	841	848	RLLTLTHR					Mascot
1279.7845	1279.7872	0.0027	2	842	852	LLTLTHRAQVK					Mascot
1336.6896	1336.6201	-0.0695	-52	1349	1361	LAANFSFTAAQPV					Mascot
1336.6896	1336.6201	-0.0695	-52	1349	1361	LAANFSFTAAQPV					Mascot
1523.825	1523.6835	-0.1415	-93	1064	1077	LCHVVKVVDTPGK					Mascot
1523.825	1523.6835	-0.1415	-93	1064	1077	LCHVVKVVDTPGK					Mascot
1645.8921	1645.8855	-0.0066	-4	941	953	EVVDLLRHQPHFR					Mascot
1972.9122	1972.9861	0.0739	37	869	885	QVSLQGFSGAYHWCFSR					Mascot
1972.9122	1972.9861	0.0739	37	869	885	QVSLQGFSGAYHWCFSR					Mascot
2126.9702	2127.0369	0.0667	31	781	798	EMVDLMRSQPSCMPVS R			Oxidation (M)[2,6,14]		Mascot
2284.2229	2284.1895	-0.0334	-15	510	529	VHMSSLQQAISAVSLLHR YK			Oxidation (M)[3]		Mascot
2298.3906	2298.2026	-0.188	-82	821	841	LLELLEAVPHVLQILGLGS KR					Mascot
2698.3027	2698.3074	0.0047	2	293	318	DGPDEGEELRPPTAAAA AALFMPVEK			Oxidation (M)[22]		Mascot

10	PREDICTED: girdin-like [Danio rerio]				gi 326668419		186585.7	5.85	17	44	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	902.4578	902.4631	0.0053	6	671	677	EELLDQR										Mascot
	902.5604	902.4631	-0.0973	-108	664	670	RMLITLR	15	0								Mascot
	916.4846	916.5284	0.0438	48	461	467	LEKENQR										Mascot
	1432.7617	1432.6742	-0.0875	-61	74	85	AQNLSVLMYHIK					Oxidation (M)[8]					Mascot
	1474.605	1474.7925	0.1875	127	705	717	MGDHEAVDQGQCK					Carbamidomethyl (C)[12]					Mascot
	1515.7471	1515.7632	0.0161	11	109	121	NPVCEEGLLEEIRK										Mascot
	1523.723	1523.6835	-0.0395	-26	1546	1559	ASCVISTSEGNRR					Carbamidomethyl (C)[3]					Mascot
	1523.723	1523.6835	-0.0395	-26	1546	1559	ASCVISTSEGNRR					Carbamidomethyl (C)[3]					Mascot
	1645.8942	1645.8855	-0.0087	-5	665	677	MLITLREELDQR					Oxidation (M)[1]					Mascot
	1671.9648	1671.9022	-0.0626	-37	122	136	LLLLLLGCAVQCERK										Mascot
	1715.8857	1715.9301	0.0444	26	286	299	RLQQENMQLLTDAR										Mascot
	1728.9862	1728.8877	-0.0985	-57	121	135	KLLLLLLGCAVQCER					Carbamidomethyl (C)[9]					Mascot
	1728.9862	1728.8877	-0.0985	-57	122	136	LLLLLLGCAVQCERK					Carbamidomethyl (C)[8]					Mascot
	2009.895	2010.0741	0.1791	89	984	1000	MQNEICTNRNVTAECQR										Mascot
	2210.9707	2211.1169	0.1462	66	773	790	DEEEKPGQCSPPERMW HR										Mascot
	2283.9871	2284.1895	0.2024	89	773	790	DEEEKPGQCSPPERMW HR					Carbamidomethyl (C)[9], Oxidation (M)[15]					Mascot
	2368.2327	2368.1372	-0.0955	-40	870	890	STVLSQNSSLVAHNTQL QRRER										Mascot
	2416.293	2416.1379	-0.1551	-64	1031	1051	SQLNSIQLEQTQLESELS KLK										Mascot
	2698.3835	2698.3074	-0.0761	-28	1006	1027	DWLNQTYQKLLVENEGL QLEHK										Mascot
	3521.7871	3521.5479	-0.2392	-68	221	253	SAVFGSDSSLSEPESSRL PLSQQHLELTHAK										Mascot
11	nitrogen fixation cluster-like [Danio rerio]				gi 221307563		17420.2	8.83	7	43	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
882.5294	882.5742	0.0448	51	122	129	ELSLPPVK							Mascot
916.5461	916.5284	-0.0177	-19	114	121	IKNTEIAK							Mascot
1045.5636	1045.5706	0.007	7	42	51	NVGSLDKNAK							Mascot
1256.6382	1256.7085	0.0703	56	32	41	KVVDHYENPR							Mascot
1645.8036	1645.8855	0.0819	50	52	68	NVGTGLVGAPACGDVMK				Carbamidomethyl (C)[12]			Mascot
2157.0645	2157.0488	-0.0157	-7	86	106	TFGCGSAIASSSLATEWV KGK				Carbamidomethyl (C)[4]			Mascot
2714.3486	2714.3083	-0.0403	-15	52	78	NVGTGLVGAPACGDVMK LQVEVDEAGK				Carbamidomethyl (C)[12]			Mascot

12	intraflagellar transport 81 homolog [Danio rerio]				gi 159570779		78814.9	6.43	9	40	0	27	44.13
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	%	Modification	Rank	Result	Type
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				Seq.	Seq.	Score				
	870.5519	870.5449	-0.007	-8	616	622	VLRQQVK			Mascot
	902.4941	902.4631	-0.031	-34	311	317	ELEDKIR			Mascot
	902.4941	902.4631	-0.031	-34	311	317	ELEDKIR	29	62.077	Mascot
	916.4734	916.5284	0.055	60	367	374	EELAAVER			Mascot
	1045.5636	1045.5706	0.007	7	430	437	TEEILRER			Mascot
	1225.6796	1225.5974	-0.0822	-67	64	73	RMFTLLGMLK		Oxidation (M)[2]	Mascot
	1972.9644	1972.9861	0.0217	11	298	315	VASEPAMGQAELELEDK			Mascot
	1972.9644	1972.9861	0.0217	11	298	315	VASEPAMGQAELELEDK			Mascot
	2225.0879	2225.136	0.0481	22	563	579	YHHINCEREIIESQIQR		Carbamidomethyl (C)[6]	Mascot
	2233.1646	2233.1003	-0.0643	-29	291	310	VVQYLQKVASEPAMGQAELELR		Oxidation (M)[14]	Mascot
	2283.1914	2283.1948	0.0034	1	650	670	QCYLKAQSQAPIGHVIQDVGK			Mascot

13 PREDICTED: kinesin-like protein KIF13A-like, partial [Danio rerio] gi|292622799 204484.4 5.33 12 40 0 30 73.504

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
902.4941	902.4631	-0.031	-34	319	325	EEVEKLR					Mascot
902.4941	902.4631	-0.031	-34	319	325	EEVEKLR	32	82.016			Mascot
1395.8066	1395.7257	-0.0809	-58	667	679	GAIVSEPAIQVRR					Mascot
1401.7697	1401.6202	-0.1495	-107	324	335	LREQLSQAESLK					Mascot
1458.7587	1458.7334	-0.0253	-17	1075	1086	LVEQWVGLTEER					Mascot
1474.6954	1474.7925	0.0971	66	1324	1337	SLSTPNVQHSSSCK					Mascot
1515.7836	1515.7632	-0.0204	-13	1291	1303	GVLEVDNILCLDR			Carbamidomethyl (C)[10]		Mascot
1728.9326	1728.8877	-0.0449	-26	1803	1818	CATGHGVFVKPSRLTR					Mascot
1728.9326	1728.8877	-0.0449	-26	1803	1818	CATGHGVFVKPSRLTR					Mascot
1790.8701	1790.9044	0.0343	19	1264	1279	ETLALMAARGENEETR					Mascot
2229.9731	2230.2166	0.2435	109	1	18	VFAFDHCFWSDENIPK			Carbamidomethyl (C)[7]		Mascot
2368.1702	2368.1372	-0.033	-14	270	291	TAMIATISPAADNYEETLS					Mascot
2409.3064	2409.2173	-0.0891	-37	394	414	SFLVNLNADPALNELLVY					Mascot
3521.6099	3521.5479	-0.062	-18	1161	1191	HSDDEVSAVCSWDSSIHDSIHLNRITAANER			Carbamidomethyl (C)[10]		Mascot

14 roundabout1 [Danio rerio] gi|14276863 41614.9 6.39 8 40 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	864.4608	864.5269	0.0661	76	136	142 LMITNTR			Oxidation (M)[2]		Mascot
	902.5054	902.4631	-0.0423	-47	126	132 DERITIR					Mascot
	902.5054	902.4631	-0.0423	-47	126	132 DERITIR	9	0			Mascot
	1279.6793	1279.7872	0.1079	84	107	117 GHPEPTISWKK					Mascot
	1432.6017	1432.6742	0.0725	51	149	160 YVCVGTNMMGER			Carbamidomethyl (C)[3], Oxidation (M)[8]		Mascot
	1790.9734	1790.9044	-0.069	-39	28	42 SHRMLLPTGSLFFLR			Oxidation (M)[4]		Mascot
	1973.1152	1972.9861	-0.1291	-65	31	47 MLLPTGSLFFLRIVHGR	1	0	Oxidation (M)[1]		Mascot
	1973.1152	1972.9861	-0.1291	-65	31	47 MLLPTGSLFFLRIVHGR			Oxidation (M)[1]		Mascot
	2009.825	2010.0741	0.2491	124	231	249 LTSGDAGTYTCQAENMM GK			Oxidation (M)[16,17]		Mascot
	3504.7539	3504.5334	-0.2205	-63	49	80 SKPDEGSYVCVARNYLGEAVSHNASLEVAILR			Carbamidomethyl (C)[10]		Mascot
15	G1/S-specific cyclin-D2 [Danio rerio]				gi 148231179	34329.5	5.23	9	38	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	902.5458	902.4631	-0.0827	-92	87	94 FLAVVPTR					Mascot
	902.5458	902.4631	-0.0827	-92	87	94 FLAVVPTR					Mascot
	1062.5513	1062.7009	0.1496	141	50	57 DIQPFMR					Mascot
	1401.6829	1401.6202	-0.0627	-45	268	279 QQQQEQGGQRSK					Mascot
	1505.7703	1505.6705	-0.0998	-66	2	13 ELLCLEMDTIIR			Carbamidomethyl (C)[4]		Mascot
	1704.8236	1704.8789	0.0553	32	37	49 FLPQCSYFKCVQK			Carbamidomethyl (C)[5,10]		Mascot
	1728.7642	1728.8877	0.1235	71	58	71 MVATWMLEVCEEQK			Oxidation (M)[1,6]		Mascot
	1728.7642	1728.8877	0.1235	71	58	71 MVATWMLEVCEEQK			Oxidation (M)[1,6]		Mascot
	1838.9689	1838.9258	-0.0431	-23	95	111 KCNLQLLGAVCMFLASK					Mascot
	2284.1907	2284.1895	-0.0012	-1	147	165 LKWNLAAVTPNDFIEHIM R			Oxidation (M)[18]		Mascot
	3522.5757	3522.5376	-0.0381	-11	58	86 MVATWMLEVCEEQKCEE EVFPLAMNYLDR			Oxidation (M)[1]		Mascot
	3522.5757	3522.5376	-0.0381	-11	58	86 MVATWMLEVCEEQKCEE EVFPLAMNYLDR			Oxidation (M)[1]		Mascot
16	PREDICTED: kinesin family member 13Bb [Danio rerio]				gi 326677371	230867.5	5.3	10	38	0	30 73.504

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	842.473	842.5162	0.0432	51	396	402 APELKER					Mascot
	870.4576	870.5449	0.0873	100	873	879 KFTCMIK					Mascot

	902.4941	902.4631	-0.031	-34	379	385	EEVEKLR	32	82.016	Carbamidomethyl (C)[2]	Mascot		
	902.4941	902.4631	-0.031	-34	379	385	EEVEKLR				Mascot		
	1225.6218	1225.5974	-0.0244	-20	1380	1389	RCLSSPNVHR				Mascot		
	1320.6907	1320.6008	-0.0899	-68	1108	1117	QEYLDQRLQK				Mascot		
	1353.6869	1353.677	-0.0099	-7	566	577	AGLRSDHLDVDR				Mascot		
	1515.6268	1515.7632	0.1364	90	1084	1095	DMSYQEVDLER				Mascot		
	1750.8905	1750.8677	-0.0228	-13	629	641	QRLMYEQELQQLR				Mascot		
	1973.0702	1972.9861	-0.0841	-43	700	717	ANLLVQEAGFIAEDLNKK				Mascot		
	1973.0702	1972.9861	-0.0841	-43	700	717	ANLLVQEAGFIAEDLNKK				Mascot		
	2409.1277	2409.2173	0.0896	37	146	165	EGESFTVEVSYPEIYNEKVR				Mascot		
17	novel protein similar to H.sapiens TTN, titin (TTN) [Danio rerio]					gi 169154823	842970	5.81	40	38	0	10	0

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.444	842.5162	0.0722	86	3102	3108	SYKVSMK					Mascot
850.4814	850.5482	0.0668	79	1088	1094	LTSVRMK			Oxidation (M)[6]		Mascot
856.4886	856.5302	0.0416	49	6818	6824	LTQEPR					Mascot
870.4203	870.5449	0.1246	143	6420	6427	LSDSGTYK					Mascot
882.4679	882.5742	0.1063	120	2483	2489	YKVSTER					Mascot
916.5502	916.5284	-0.0218	-24	4747	4754	IIPPTFTK					Mascot
996.536	996.6045	0.0685	69	2586	2593	LTITETYR					Mascot
1009.4479	1009.5239	0.076	75	2390	2397	SSDRCQTR	12	0	Carbamidomethyl (C)[5]		Mascot
1009.5611	1009.5239	-0.0372	-37	423	430	SYARLMIR					Mascot
1045.5347	1045.5706	0.0359	34	6656	6665	CQIGGTPEIK					Mascot
1225.53	1225.5974	0.0674	55	1191	1199	VQRMDemer			Oxidation (M)[4,7]		Mascot
1256.6013	1256.7085	0.1072	85	4882	4892	EMLTGGTCFIK			Carbamidomethyl (C)[8]		Mascot
1279.6376	1279.7872	0.1496	117	3711	3722	SETTTAVVSEQK					Mascot
1320.5963	1320.6008	0.0045	3	6677	6687	SSPTCKMEFFK			Oxidation (M)[7]		Mascot
1352.6844	1352.6165	-0.0679	-50	6293	6304	WFKDGVELSSGK					Mascot
1352.6844	1352.6165	-0.0679	-50	6293	6304	WFKDGVELSSGK					Mascot
1353.6614	1353.677	0.0156	12	4387	4398	QGMSSRLSCTVK			Carbamidomethyl (C)[9]		Mascot
1368.7197	1368.6106	-0.1091	-80	7132	7142	FDNLFFIEVPK					Mascot
1384.6963	1384.6061	-0.0902	-65	4882	4893	EMLTGGTCFIKK			Carbamidomethyl (C)[8]		Mascot
1395.6243	1395.7257	0.1014	73	4735	4746	EQSCSINVLDK			Carbamidomethyl (C)[3]		Mascot
1432.7213	1432.6742	-0.0471	-33	7324	7335	RMEQTEPVTVAR			Oxidation (M)[2]		Mascot

		1458.7838	1458.7334	-0.0504	-35	5831	5843	ISGSLPITVEWEK				Mascot
		1505.811	1505.6705	-0.1405	-93	4960	4972	VAGSPEISIRWYK				Mascot
		1523.6829	1523.6835	0.0006	0	4759	4772	VDGNVGASIQMECK	Carbamidomethyl (C)[13], Oxidation (M)[11]			Mascot
		1523.6829	1523.6835	0.0006	0	4759	4772	VDGNVGASIQMECK	Carbamidomethyl (C)[13], Oxidation (M)[11]			Mascot
		1645.7864	1645.8855	0.0991	60	724	737	HGGRYQMEVLQDGR				Mascot
		1673.7687	1673.9304	0.1617	97	2501	2517	MSDAGEYSVVAGSSVSK				Mascot
		1728.9894	1728.8877	-0.1017	-59	2133	2147	YEITVDGLVHTLKI K				Mascot
		1728.9894	1728.8877	-0.1017	-59	2133	2147	YEITVDGLVHTLKI K				Mascot
		1750.8826	1750.8677	-0.0149	-9	1897	1912	MAVGRVETTCNLTVEK				Mascot
		1759.9047	1759.9391	0.0344	20	7465	7479	YTCAVANYTQKLSIK	Carbamidomethyl (C)[3]			Mascot
		1790.9183	1790.9044	-0.0139	-8	6947	6962	VAGSQPLTVNWYKDGR				Mascot
		1839.0375	1838.9258	-0.1117	-61	3280	3295	YPISSHQVETKLPIVK				Mascot
		1973.0259	1972.9861	-0.0398	-20	7415	7432	LTVLEAEVEKPMQDVAG K	Oxidation (M)[12]			Mascot
		1973.0371	1972.9861	-0.051	-26	5139	5156	CTAVLTVKEPANITEQAK	Carbamidomethyl (C)[1]			Mascot
		2010.113	2010.0741	-0.0389	-19	3500	3518	AAPAPLHLQAVHSENLLT K				Mascot
		2126.9561	2127.0369	0.0808	38	3541	3558	HHAASTE EKIEHTADYCK	Carbamidomethyl (C)[17]			Mascot
		2211.1438	2211.1169	-0.0269	-12	6494	6513	SCEIALRGDTAILELHNID K				Mascot
		2232.9575	2233.1003	0.1428	64	1132	1149	MINEFGYCSDIYEVAYS R	Carbamidomethyl (C)[8], Oxidation (M)[1]			Mascot
		2283.1899	2283.1948	0.0049	2	3240	3260	EHPSQVMSALTESVTPLT IVK	Oxidation (M)[7]			Mascot
		2698.4048	2698.3074	-0.0974	-36	4179	4202	LTVTELPPEFVSKPD SM TLFVGK	Oxidation (M)[18]			Mascot
		3521.6411	3521.5479	-0.0932	-26	4344	4377	LKDTGTYTCTAANEAG S SSCSSSVTVQEPPVFVK	Carbamidomethyl (C)[9]			Mascot
		3522.7073	3522.5376	-0.1697	-48	1504	1532	VYWYWPEDHVCELVI RD VLAEDSASIMVK	Carbamidomethyl (C)[11]			Mascot
		3522.7073	3522.5376	-0.1697	-48	1504	1532	VYWYWPEDHVCELVI RD VLAEDSASIMVK	Carbamidomethyl (C)[11]			Mascot
18	PREDICTED: uncharacterized protein K02A2.6-like [Danio rerio]					gi 326667102	133780.9	8.82	15	38	0	

1062.5764	1062.7009	0.1245	117	288	296	SRPLPFAMK	Oxidation (M)[8]	Mascot
1279.7732	1279.7872	0.014	11	63	73	NLVQPLKPKDK		Mascot
1336.7048	1336.6201	-0.0847	-63	542	551	EQVIWYWGKK		Mascot
1336.7048	1336.6201	-0.0847	-63	542	551	EQVIWYWGKK		Mascot
1353.6104	1353.677	0.0666	49	124	135	CDFGASLDEALR	Carbamidomethyl (C)[1]	Mascot
1401.6539	1401.6202	-0.0337	-24	690	702	KAEMHGNADGLSR	Oxidation (M)[4]	Mascot
1432.708	1432.6742	-0.0338	-24	1030	1040	QYLQNLHLHDHK		Mascot
2009.9927	2010.0741	0.0814	40	1045	1063	SFAVDESFLRNTAGGD PK		Mascot
2157.0393	2157.0488	0.0095	4	990	1008	YRTTPNCTTGQSPDLFL R		Mascot
2211.071	2211.1169	0.0459	21	162	180	AFEIALSMETADRDQQL R	Oxidation (M)[8]	Mascot
2368.3274	2368.1372	-0.1902	-80	309	330	ANIISPVTYSEWAAPVVP VVKK		Mascot
3504.7483	3504.5334	-0.2149	-61	866	894	LHIDFAGPFLNNMFMIIV DAYSKWLEVFR	Oxidation (M)[13,15]	Mascot

19 PREDICTED: leucine zipper putative tumor suppressor 2 homolog [Danio rerio] gi|326672673 69190.7 5.91 10 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
902.4941	902.4631	-0.031	-34	275	281	DLEEKLR					Mascot
902.4941	902.4631	-0.031	-34	275	281	DLEEKLR	16	0			Mascot
1256.6304	1256.7085	0.0781	62	355	364	HQEEMTQILK					Mascot
1279.6641	1279.7872	0.1231	96	40	50	ADIEVSTNFRK					Mascot
1384.7253	1384.6061	-0.1192	-86	354	364	KHQEEMTQILK					Mascot
1458.7046	1458.7334	0.0288	20	558	568	QLQQNYVQMYK			Oxidation (M)[9]		Mascot
1474.7384	1474.7925	0.0541	37	500	511	EQRLAEETEELK					Mascot
1673.7765	1673.9304	0.1539	92	170	184	FSPDAEDVSHATLER					Mascot
1704.7858	1704.8789	0.0931	55	476	489	EKISHLEEDSSQMR			Oxidation (M)[13]		Mascot
2230.03	2230.2166	0.1866	84	337	353	EQQMLQMVFQMQQEK K			Oxidation (M)[4,7,12]		Mascot
2409.1472	2409.2173	0.0701	29	334	352	AQREQQMLQMVFQMQ QEK					Mascot

20 novel protein [Danio rerio] gi|55962229 275569.2 5.29 14 37 0 29 60.99

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
805.4487	805.5098	0.0611	76	699	705	ELLCSLK					Mascot
805.4487	805.5098	0.0611	76	699	705	ELLCSLK					Mascot

		864.3992	864.5269	0.1277	148	263	269	EMTRDGR						Mascot
		882.5195	882.5742	0.0547	62	1300	1306	KAFFTLR						Mascot
		902.4988	902.4631	-0.0357	-40	2120	2126	RMQAQIR						Mascot
		902.4988	902.4631	-0.0357	-40	2120	2126	RMQAQIR	30	73.521				Mascot
		916.5098	916.5284	0.0186	20	294	301	VEALSLER						Mascot
		996.493	996.6045	0.1115	112	314	321	QCISGLYR			Carbamidomethyl (C)[2]			Mascot
		1320.6715	1320.6008	-0.0707	-54	979	990	EAEEMTAVLLSK						Mascot
		1336.6665	1336.6201	-0.0464	-35	979	990	EAEEMTAVLLSK			Oxidation (M)[5]			Mascot
		1336.6665	1336.6201	-0.0464	-35	979	990	EAEEMTAVLLSK			Oxidation (M)[5]			Mascot
		1432.689	1432.6742	-0.0148	-10	931	942	GLELEQVCEAWR						Mascot
		1671.8912	1671.9022	0.011	7	200	213	LTQLEEQVQSLQQK						Mascot
		1704.7871	1704.8789	0.0918	54	522	535	SCEYHPLQSQRGSR			Carbamidomethyl (C)[2]			Mascot
		1759.8578	1759.9391	0.0813	46	1489	1504	SLQAQMRDCTPVGTPT						Mascot
		1972.8341	1972.9861	0.152	77	2263	2281	YSGAEGLEGEAPDGSFA CR			Carbamidomethyl (C)[18]			Mascot
		1972.8341	1972.9861	0.152	77	2263	2281	YSGAEGLEGEAPDGSFA CR			Carbamidomethyl (C)[18]			Mascot
		2127.0129	2127.0369	0.024	11	911	928	CVLSNNEETIMSLEMLLR			Oxidation (M)[11,15]			Mascot
		2229.9829	2230.2166	0.2337	105	2263	2284	YSGAEGLEGEAPDGSFA CRTGR						Mascot
21	nuclear protein MDM1 [Danio rerio]					qi 113677479	74247.7	9.88	6	35	0	22	0	

Peptide Information

22 PREDICTED: scavenger receptor cysteine-rich type 1
protein M130-like [Danio rerio]

Peptide Information

		856.4093	856.5302	0.1209	141	465	471	DAHVVCR		Carbamidomethyl (C)[6]	Mascot	
		1279.7052	1279.7872	0.082	64	656	666	QCSAHVPLRLR			Mascot	
		1336.7267	1336.6201	-0.1066	-80	656	666	QCSAHVPLRLR		Carbamidomethyl (C)[2]	Mascot	
		1336.7267	1336.6201	-0.1066	-80	656	666	QCSAHVPLRLR		Carbamidomethyl (C)[2]	Mascot	
		1384.7253	1384.6061	-0.1192	-86	168	179	ELDCGVPVQVLR		Carbamidomethyl (C)[4]	Mascot	
		1401.6984	1401.6202	-0.0782	-56	609	620	TLYHCPSLPWGK			Mascot	
		1458.7198	1458.7334	0.0136	9	609	620	TLYHCPSLPWGK		Carbamidomethyl (C)[5]	Mascot	
		1505.7206	1505.6705	-0.0501	-33	199	211	GNESHLVFCPAFK		Carbamidomethyl (C)[9]	Mascot	
		1515.5814	1515.7632	0.1818	120	240	251	WGTVCDACWDMR		Carbamidomethyl (C)[5], Oxidation (M)[11]	Mascot	
		1523.6893	1523.6835	-0.0058	-4	631	643	ITCSEKETDESPK		Carbamidomethyl (C)[3]	Mascot	
		1523.6893	1523.6835	-0.0058	-4	631	643	ITCSEKETDESPK		Carbamidomethyl (C)[3]	Mascot	
		1715.821	1715.9301	0.1091	64	734	747	GNELHLWDCPFSLK		Carbamidomethyl (C)[9]	Mascot	
		1838.9006	1838.9258	0.0252	14	606	620	HDKTLYHCPSLPWGK		Carbamidomethyl (C)[8]	Mascot	
		1972.8962	1972.9861	0.0899	46	109	126	GVSNCKHDEDAGVVCLGR		Carbamidomethyl (C)[5,15]	Mascot	
		1972.8962	1972.9861	0.0899	46	109	126	GVSNCKHDEDAGVVCLGR		Carbamidomethyl (C)[5,15]	Mascot	
		2156.9448	2157.0488	0.104	48	212	231	SSHCYTDLRLVNGSDSCSGR			Mascot	
		2300.2529	2300.1936	-0.0593	-26	5	25	SCLTVLLISTVVTLPNEGEVR		Carbamidomethyl (C)[2]	Mascot	
		2416.2288	2416.1379	-0.0909	-38	332	352	LSGESQCEGQVEVLIQQVWRK			Mascot	
23	zf-FKH1=fork head gene product {forkhead domain, internal fragment} [zebrafishes, gastrula/early ne						gi 1245779	7588.8	8.9	4	35	0
	Peptide Information											
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
		1353.6256	1353.677	0.0514	38	51	61	HSLSFNDCFVK			Carbamidomethyl (C)[8]	Mascot
		1395.6725	1395.7257	0.0532	38	51	62	HSLSFNDCFVKV				Mascot
		1458.7196	1458.7334	0.0138	9	40	50	ENQQRWQNSIR				Mascot
		2283.2053	2283.1948	-0.0105	-5	1	20	KPPYSYISLITMAIQSQSK				Mascot
24	PREDICTED: hypothetical protein LOC100537292 [Danio rerio]						gi 326672395	272747.6	8.49	22	34	0
	Peptide Information											
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
		902.5094	902.4631	-0.0463	-51	1065	1072	VAAVTQWK				Mascot
		902.5094	902.4631	-0.0463	-51	1065	1072	VAAVTQWK				Mascot

	1336.5612	1336.6201	0.0589	44	608	620	DSGSGDEDKPSSR	1	0				Mascot
	1395.7491	1395.7257	-0.0234	-17	595	607	TGGLWSRLGPSHK						Mascot
	1759.8933	1759.9391	0.0458	26	248	262	KPQETRETSLQAER						Mascot
26	probable dimethyladenosine transferase [Danio rerio]				gi 57525891	34585.6	9.64	8	34	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.5836	996.6045	0.0209	21	178	186	VDHLTKVGK					Mascot
1009.5499	1009.5239	-0.026	-26	228	236	NKMLSAAFK					Mascot
1009.5499	1009.5239	-0.026	-26	228	236	NKMLSAAFK					Mascot
1352.7242	1352.6165	-0.1077	-80	230	242	MLSAAFKSAAVEK					Mascot
1352.7242	1352.6165	-0.1077	-80	230	242	MLSAAFKSAAVEK	3	0			Mascot
1368.7191	1368.6106	-0.1085	-79	230	242	MLSAAFKSAAVEK			Oxidation (M)[1]		Mascot
1523.7952	1523.6835	-0.1117	-73	269	281	IESILQESKFSDK					Mascot
1523.7952	1523.6835	-0.1117	-73	269	281	IESILQESKFSDK					Mascot
1759.9159	1759.9391	0.0232	13	18	33	SQGIMFNTGIGQHILK			Oxidation (M)[5]		Mascot
2157.177	2157.0488	-0.1282	-59	91	109	VQCTPMQNKQLILIGDVLK			Oxidation (M)[6]		Mascot
2225.1958	2225.136	-0.0598	-27	45	66	AALRPDVLVLEVGPGTG NMTVK					Mascot
2233.1069	2233.1003	-0.0066	-3	250	268	IHC SVHNIEIPEDFNIAPK			Carbamidomethyl (C)[3]		Mascot

27	frizzled homolog 7a [Danio rerio]				gi 32996705	63652.8	8.21	8	34	0	10	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1009.444	1009.5239	0.0799	79	125	133	QGCEALMNK			Oxidation (M)[7]		Mascot
1009.444	1009.5239	0.0799	79	125	133	QGCEALMNK	10	0	Oxidation (M)[7]		Mascot
1523.7279	1523.6835	-0.0444	-29	2	14	AFLKMQHCCGITR			Oxidation (M)[5]		Mascot
1523.7279	1523.6835	-0.0444	-29	2	14	AFLKMQHCCGITR			Oxidation (M)[5]		Mascot
1750.7676	1750.8677	0.1001	57	482	494	EQWEKTWHMQTCK			Oxidation (M)[9]		Mascot
2156.9309	2157.0488	0.1179	55	214	231	DCGAPCEPTRPNGLMYF R			Carbamidomethyl (C)[2,6], Oxidation (M)[15]		Mascot
2416.2546	2416.1379	-0.1167	-48	15	35	YFLLFTVALQTTSGQYH GEK					Mascot
2698.2058	2698.3074	0.1016	38	214	236	DCGAPCEPTRPNGLMYF REEEVK			Carbamidomethyl (C)[2]		Mascot
2714.2007	2714.3083	0.1076	40	214	236	DCGAPCEPTRPNGLMYF REEEVK			Carbamidomethyl (C)[2], Oxidation (M)[15]		Mascot
3505.8196	3505.5146	-0.305	-87	237	265	FGRLWVGWISILCCVSTL FTVLTYLVDNR			Carbamidomethyl (C)[13,14]		Mascot
3521.8145	3521.5479	-0.2666	-76	237	265	FGRLWVGWISILCCVSTL			Carbamidomethyl (C)[13,14], Oxidation		Mascot

	3522.6421	3522.5376	-0.1045	-30	88	117	FTVLTYLVDMR VQCSMDLKFFLCSEMYAP VCTVLEQAIPPCR				(M)[28] Carbamidomethyl (C)[3,12], Oxidation (M)[5]	Mascot	
	3522.6421	3522.5376	-0.1045	-30	88	117	VQCSMDLKFFLCSEMYAP VCTVLEQAIPPCR				Carbamidomethyl (C)[3,12], Oxidation (M)[5]	Mascot	
28	Frizzled homolog 7a [Danio rerio]				gi 68085245		63589.8	8.31	8	33	0	10	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1009.444	1009.5239	0.0799	79	125	133	QGCEALMNK				Oxidation (M)[7]		Mascot
	1009.444	1009.5239	0.0799	79	125	133	QGCEALMNK	10	0		Oxidation (M)[7]		Mascot
	1523.7279	1523.6835	-0.0444	-29	2	14	AFLKMQHCCGITR				Oxidation (M)[5]		Mascot
	1523.7279	1523.6835	-0.0444	-29	2	14	AFLKMQHCCGITR				Oxidation (M)[5]		Mascot
	1750.7676	1750.8677	0.1001	57	482	494	EQWEKTWHMQTCK				Oxidation (M)[9]		Mascot
	2156.9309	2157.0488	0.1179	55	214	231	DCGAPCEPTRPNGLMYF R				Carbamidomethyl (C)[2,6], Oxidation (M)[15]		Mascot
	2416.2546	2416.1379	-0.1167	-48	15	35	YFLLFTVALQTTSGQYH GEK						Mascot
	2698.2058	2698.3074	0.1016	38	214	236	DCGAPCEPTRPNGLMYF REEEVK				Carbamidomethyl (C)[2]		Mascot
	2714.2007	2714.3083	0.1076	40	214	236	DCGAPCEPTRPNGLMYF REEEVK				Carbamidomethyl (C)[2], Oxidation (M)[15]		Mascot
	3505.8196	3505.5146	-0.305	-87	237	265	FGRLWVGWISILCCVSTL FTVLTYLVDMR				Carbamidomethyl (C)[13,14]		Mascot
	3521.8145	3521.5479	-0.2666	-76	237	265	FGRLWVGWISILCCVSTL FTVLTYLVDMR				Carbamidomethyl (C)[13,14], Oxidation (M)[28]		Mascot
	3522.6421	3522.5376	-0.1045	-30	88	117	VQCSMDLKFFLCSEMYAP VCTVLEQAIPPCR				Carbamidomethyl (C)[3,12], Oxidation (M)[5]		Mascot
	3522.6421	3522.5376	-0.1045	-30	88	117	VQCSMDLKFFLCSEMYAP VCTVLEQAIPPCR				Carbamidomethyl (C)[3,12], Oxidation (M)[5]		Mascot

29 PREDICTED: purine-rich element-binding protein gamma [Danio rerio]

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	916.3981	916.5284	0.1303	142	291	297	FGENFMR				Oxidation (M)[6]		Mascot
	1256.6633	1256.7085	0.0452	36	47	56	FYLDVKQSTR						Mascot
	1384.6578	1384.6061	-0.0517	-37	287	297	AWARFGENFMR						Mascot
	1972.9001	1972.9861	0.086	44	108	125	GCQAAERRPEEQSNGQ GR	1	0				Mascot
	1972.9001	1972.9861	0.086	44	108	125	GCQAAERRPEEQSNGQ GR						Mascot
	2156.9778	2157.0488	0.071	33	231	249	ACARNHDESPPEAAS FR				Carbamidomethyl (C)[2]		Mascot
	2409.0623	2409.2173	0.155	64	214	234	DALSQLIDDYGDDEPERA CAR				Carbamidomethyl (C)[19]		Mascot
	3522.7798	3522.5376	-0.2422	-69	182	213	QTVTRGHGSMGYGQGI				Oxidation (M)[10]		Mascot

	3522.7798	3522.5376	-0.2422	-69	182	213	EQTIVLPAQGLIEFR QTVTRGHGSMGYGQGI EQTIVLPAQGLIEFR							Oxidation (M)[10]		Mascot
30	PREDICTED: hypothetical protein LOC100538190 [Danio rerio]					gij326676042		6084	9.65	5	33	0				
Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification			Rank	Result Type
	1368.5605	1368.6106	0.0501	37	1	11	MCNFCSTNHVR					Carbamidomethyl (C)[2]			Mascot	
	1384.5555	1384.6061	0.0506	37	1	11	MCNFCSTNHVR					Carbamidomethyl (C)[2], Oxidation (M)[1]			Mascot	
	1458.7295	1458.7334	0.0039	3	21	33	LQSNQPESANKSR								Mascot	
	1474.7067	1474.7925	0.0858	58	19	31	CRLQSNQPESANK								Mascot	
	1505.7417	1505.6705	-0.0712	-47	35	47	YDLPPREMGSVNK								Mascot	
	1715.8145	1715.9301	0.1156	67	2	15	CNFCSTNHVRFFIK								Mascot	
31	voltage-dependent calcium channel subunit alpha-2/delta-1 [Danio rerio]					gij169234588		121294.4	5.02	7	33	0	23	0		
Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification			Rank	Result Type
	902.5053	902.4631	-0.0422	-47	887	895	ESKAAAGLR								Mascot	
	902.5053	902.4631	-0.0422	-47	887	895	ESKAAAGLR		23		0				Mascot	
	916.5461	916.5284	-0.0177	-19	315	322	TLKEAVQK								Mascot	
	1225.6648	1225.5974	-0.0674	-55	76	85	QNNPRQLVEK								Mascot	
	1458.7263	1458.7334	0.0071	5	634	645	FEEYGYTLIAPR								Mascot	
	2211.001	2211.1169	0.1159	52	534	552	SQEPVTLDFLDAEMEDEVK					Oxidation (M)[14]			Mascot	
	2432.1438	2432.1348	-0.009	-4	653	672	AQENENMTQFLIDFNEYIDVK								Mascot	
	2714.2368	2714.3083	0.0715	26	724	747	VYPASAGSEWTGQAETYESSFYKR								Mascot	
32	novel protein similar to vertebrate NADH dehydrogenase (ubiquinone) Fe-S protein 6, 13kDa (NADH-coe)					gij94733202		14223.3	8.41	5	33	0				
Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification			Rank	Result Type
	864.4825	864.5269	0.0444	51	103	109	VYINLDK								Mascot	
	1353.658	1353.677	0.019	14	88	102	VVSCDGGGGALGHPK								Mascot	
	1432.8345	1432.6742	-0.1603	-112	1	13	MAAILPRILSFGK					Oxidation (M)[1]			Mascot	

	1704.7832	1704.8789	0.0957	56	110	124	DTRVGTGCGYGLQFK						Carbamidomethyl (C)[7]	Mascot
	1972.8905	1972.9861	0.0956	48	113	129	VGTCGYCGLQFKQTHHH						Carbamidomethyl (C)[4]	Mascot
	1972.8905	1972.9861	0.0956	48	113	129	VGTCGYCGLQFKQTHHH						Carbamidomethyl (C)[4]	Mascot
33	DNA mismatch repair protein Msh3 [Danio rerio]				gi 157841276		121710.5	6.91	10	32	0	14	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4981	842.5162	0.0181	21	150	156	EEPIKVK					Mascot
870.577	870.5449	-0.0321	-37	687	693	EVRLLLK					Mascot
902.5458	902.4631	-0.0827	-92	1060	1066	LVTQWKK					Mascot
902.5458	902.4631	-0.0827	-92	1060	1066	LVTQWKK					Mascot
1320.5485	1320.6008	0.0523	40	362	372	DNMSHSELESR			Oxidation (M)[3]		Mascot
1384.7682	1384.6061	-0.1621	-117	296	308	STLVGEDVNPLLK					Mascot
1715.8561	1715.9301	0.074	43	415	429	ESAMFEYPTALSIK			Oxidation (M)[4]		Mascot
1728.8473	1728.8877	0.0404	23	672	685	EEIESVLLDIMEHR	14	0	Oxidation (M)[11]		Mascot
1728.8473	1728.8877	0.0404	23	672	685	EEIESVLLDIMEHR			Oxidation (M)[11]		Mascot
2409.342	2409.2173	-0.1247	-52	603	624	LNVELQALMPAIQSQLSS PLLK			Oxidation (M)[9]		Mascot
2416.1482	2416.1379	-0.0103	-4	904	925	GRSTFMEELLETSIDLAC ATSR					Mascot
2432.1431	2432.1348	-0.0083	-3	904	925	GRSTFMEELLETSIDLAC ATSR			Oxidation (M)[6]		Mascot
3505.5732	3505.5146	-0.0586	-17	309	339	LGDLEQAEDVVQDSGNN YLMCVSESFDKQSK			Carbamidomethyl (C)[21]		Mascot
3521.5681	3521.5479	-0.0202	-6	309	339	LGDLEQAEDVVQDSGNN YLMCVSESFDKQSK			Carbamidomethyl (C)[21], Oxidation (M)[20]		Mascot

34 novel transglutaminase family protein [Danio rerio] gi|169154545 77872.9 5.34 10 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4832	882.5742	0.091	103	647	653	FSFKPTR					Mascot
1165.6146	1165.754	0.1394	120	683	692	MRHVNAVPEI					Mascot
1279.7269	1279.7872	0.0603	47	647	657	FSFKPTRAGLR					Mascot
1320.6212	1320.6008	-0.0204	-15	220	231	TITAMVNANDDR					Mascot
1336.6162	1336.6201	0.0039	3	220	231	TITAMVNANDDR			Oxidation (M)[5]		Mascot
1336.6162	1336.6201	0.0039	3	220	231	TITAMVNANDDR			Oxidation (M)[5]		Mascot
1353.5748	1353.677	0.1022	76	363	375	SDGIFCCGPCPVR					Mascot
1505.7628	1505.6705	-0.0923	-61	24	35	TEEMDVERLLVR			Oxidation (M)[4]		Mascot
2210.99	2211.1169	0.1269	57	327	342	DTIWNYHCWVESWMKR			Carbamidomethyl (C)[8]		Mascot

	2714.3362	2714.3083	-0.0279	-10	271	293	YGQCWVFTGVACTVLRC LGIPTTR						Carbamidomethyl (C)[4,12,17]	Mascot
	3521.9048	3521.5479	-0.3569	-101	36	66	RGQPFSVVLQCTEQIPQL PDHQINLILHLGK							Mascot
	3522.5649	3522.5376	-0.0273	-8	2	31	ASYNAILSVDVLDQCYENN HAHRTEEMDVER							Mascot
	3522.5649	3522.5376	-0.0273	-8	2	31	ASYNAILSVDVLDQCYENN HAHRTEEMDVER							Mascot
35	novel protein similar to vertebrate DNA helicase HEL308 (HEL308) [Danio rerio]				gi 94733801		79609.9	7.87	11	32	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.5502	856.5302	-0.02	-23	270	277	AILLGELK					Mascot
902.5305	902.4631	-0.0674	-75	610	617	ALLSELTR					Mascot
902.5305	902.4631	-0.0674	-75	610	617	ALLSELTR					Mascot
1062.5864	1062.7009	0.1145	108	136	145	GAILEMTLSK					Mascot
1320.6576	1320.6008	-0.0568	-43	4	14	TCLSLDSIQQR			Carbamidomethyl (C)[2]		Mascot
1505.7992	1505.6705	-0.1287	-85	152	166	STQVIGMSATLGNVK					Mascot
1673.8778	1673.9304	0.0526	31	367	382	AGIDAMGESILILQDK					Mascot
1704.8413	1704.8789	0.0376	22	203	216	EEACFTFSRLLNFK					Mascot
2009.9636	2010.0741	0.1105	55	453	469	ATYKGSVDLSYCDVLYR			Carbamidomethyl (C)[12]		Mascot
2127.1841	2127.0369	-0.1472	-69	270	290	AILLGELKSSGNGSLCPV LQK					Mascot
2416.2395	2416.1379	-0.1016	-42	60	81	VRGLSSFGIELDFLVEEY AGSK					Mascot
2698.3503	2698.3074	-0.0429	-16	509	533	QFTNLSAAEQKMATTVG VPESFVAR			Oxidation (M)[12]		Mascot

36	merlin [Danio rerio]				gi 192451493		69520.8	5.85	8	32	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
902.4941	902.4631	-0.031	-34	447	454	AKEADQLK					Mascot
902.4941	902.4631	-0.031	-34	447	454	AKEADQLK	16		0		Mascot
996.5108	996.6045	0.0937	94	568	576	GTSKQSNFK					Mascot
1045.6252	1045.5706	-0.0546	-52	469	477	NKLEITSK					Mascot
1320.7303	1320.6008	-0.1295	-98	2	14	ASALASKMGLSLR			Oxidation (M)[8]		Mascot
1384.6414	1384.6061	-0.0353	-25	198	208	TRDEAEMEYLK					Mascot
1715.8745	1715.9301	0.0556	32	396	410	LLAQKAAEAQEMQR					Mascot
2100.9841	2101.0815	0.0974	46	171	186	RVINLYQMTAEMWEER			Oxidation (M)[8,12]		Mascot
2100.9841	2101.0815	0.0974	46	171	186	RVINLYQMTAEMWEER			Oxidation (M)[8,12]		Mascot

2127.1565 2127.0369 -0.1196 -56 291 308 VNKLILQLCIGNHDLFMR

Mascot

37 PREDICTED: dynein heavy chain 9, axonemal-like, partial [Danio rerio] gi|326672111 51069.7 5.9 10 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.4389	870.5449	0.106	122	17	24	TALGMFSK			Oxidation (M)[5]		Mascot
1045.5636	1045.5706	0.007	7	282	290	SIQDAIRDK					Mascot
1165.5817	1165.754	0.1723	148	48	57	VMDSMRATVR					Mascot
1256.7072	1256.7085	0.0013	1	363	372	KFITLYQLCK					Mascot
1395.6653	1395.7257	0.0604	43	182	192	SVLCVCCVSRR			Carbamidomethyl (C)[4,6,7]		Mascot
1671.8669	1671.9022	0.0353	21	139	152	QKVMTICTIDVHAR			Carbamidomethyl (C)[7]		Mascot
2126.9595	2127.0369	0.0774	36	227	244	ALGIMVYVFNCSQMDYK			Oxidation (M)[5]		Mascot
2284.1729	2284.1895	0.0166	7	163	181	VLRIFSFTCPVFNCIPASR			Carbamidomethyl (C)[9,14]		Mascot
3504.5188	3504.5334	0.0146	4	25	53	EDEHVPFESHACDCTGQVEVWLNRMDSMR			Carbamidomethyl (C)[11,13]		Mascot
3522.5874	3522.5376	-0.0498	-14	17	47	TALGMFSKEDEHVPFSHACDCTGQVEVWLNRA			Oxidation (M)[5]		Mascot
3522.5874	3522.5376	-0.0498	-14	17	47	TALGMFSKEDEHVPFSHACDCTGQVEVWLNRA			Oxidation (M)[5]		Mascot

38 novel protein similar to vertebrate NifU-like N-terminal domain containing (NIFUN) [Danio rerio] gi|37606130 17748.2 8.87 6 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
916.5461	916.5284	-0.0177	-19	116	123	IKNTEIAK					Mascot
1045.5636	1045.5706	0.007	7	44	53	NVGSLDKNAK					Mascot
1256.6382	1256.7085	0.0703	56	34	43	KVVDHYENPR					Mascot
1645.8036	1645.8855	0.0819	50	54	70	NVGTGLVGAPACGDVMK			Carbamidomethyl (C)[12]		Mascot
2157.0645	2157.0488	-0.0157	-7	88	108	TFGCGSAIASSSLATEWVK			Carbamidomethyl (C)[4]		Mascot
2283.1545	2283.1948	0.0403	18	124	143	ELCLPPVKLHCSMLAEDA			Carbamidomethyl (C)[3], Oxidation (M)[13]		Mascot

39 PREDICTED: stAR-related lipid transfer protein 9-like [Danio rerio] gi|326675708 277622.9 5.95 12 31 0 23 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4243	864.5269	0.1026	119	2156	2162	AMKDDLRL			Oxidation (M)[2]		Mascot

	902.4941	902.4631	-0.031	-34	463	469	EEIDRLK											Mascot
	902.4941	902.4631	-0.031	-34	463	469	EEIDRLK	23	0									Mascot
	916.4482	916.5284	0.0802	88	449	456	VNEDANVR											Mascot
	1045.5173	1045.5706	0.0533	51	2060	2068	HHVPANNEK											Mascot
	1353.5774	1353.677	0.0996	74	1292	1302	MQNSDQDKEMK											Mascot
	1474.7537	1474.7925	0.0388	26	1997	2009	LHYGQGETDTLLK											Mascot
	1523.7489	1523.6835	-0.0654	-43	1939	1951	QPVDSQSPSLFYR											Mascot
	1523.7489	1523.6835	-0.0654	-43	1939	1951	QPVDSQSPSLFYR											Mascot
	1750.8218	1750.8677	0.0459	26	1896	1909	EQQWIPDDLPMHNK											Mascot
	1790.9071	1790.9044	-0.0027	-2	244	259	GPYVQGLSQHVVDYK											Mascot
	2211.0928	2211.1169	0.0241	11	1939	1957	QPVDSQSPSLFYRLESTE K											Mascot
	2284.0432	2284.1895	0.1463	64	1519	1539	DCCTQTSLDIGVQTEIAS ASK										Carbamidomethyl (C)[2,3]	Mascot
	2698.2488	2698.3074	0.0586	22	691	710	LEEQQWYIECLREEIQME QK										Carbamidomethyl (C)[10], Oxidation (M)[17]	Mascot
40	PREDICTED: dynein heavy chain 7, axonemal [Danio rerio]																	
						gi 189523512	455205.4	5.74	30	31	0	4	0					

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
805.4236	805.5098	0.0862	107	2792	2798	VAMESLR	5	0				Mascot
805.4348	805.5098	0.075	93	2403	2408	MRVLDR			Oxidation (M)[1]			Mascot
850.5032	850.5482	0.045	53	772	778	GLYKLEK						Mascot
864.4858	864.5269	0.0411	48	2545	2551	TEVMKLK			Oxidation (M)[4]			Mascot
870.5406	870.5449	0.0043	5	36	43	GQLSKIPK						Mascot
1009.4407	1009.5239	0.0832	82	3292	3299	TSWDEICR						Mascot
1009.4407	1009.5239	0.0832	82	3292	3299	TSWDEICR						Mascot
1051.6047	1051.7218	0.1171	111	2173	2180	LWWHEVLR						Mascot
1062.5975	1062.7009	0.1034	97	2790	2798	LKVAMESLR			Oxidation (M)[5]			Mascot
1225.5228	1225.5974	0.0746	61	2895	2904	ATEEWIDMCK						Mascot
1320.6464	1320.6008	-0.0456	-35	1842	1853	EMLVGGLSEETR						Mascot
1336.6412	1336.6201	-0.0211	-16	1842	1853	EMLVGGLSEETR			Oxidation (M)[2]			Mascot
1336.6412	1336.6201	-0.0211	-16	1842	1853	EMLVGGLSEETR			Oxidation (M)[2]			Mascot
1352.7572	1352.6165	-0.1407	-104	1949	1959	SVYILDFLLNR						Mascot
1352.7572	1352.6165	-0.1407	-104	1949	1959	SVYILDFLLNR						Mascot
1395.621	1395.7257	0.1047	75	3726	3737	LPQDFDTDAAMR			Oxidation (M)[11]			Mascot
1458.6934	1458.7334	0.04	27	1547	1558	MNLQVTDFFAEK			Oxidation (M)[1]			Mascot
1505.7404	1505.6705	-0.0699	-46	583	594	VEEEEILQLEMK			Oxidation (M)[11]			Mascot

	1515.697	1515.7632	-0.0662	44	2762	2774	WVCAMDSYDKVAK						Mascot
	1523.7158	1523.6835	-0.0323	-21	3726	3738	LPQDFDTDAAMRK		Oxidation (M)[11]				Mascot
	1523.8176	1523.6835	-0.1341	-88	2682	2696	GIKPDRIPDPSPGSGK						Mascot
	1704.8771	1704.8789	0.0018	1	2913	2927	NMSLMNSLGEPVKIR		Oxidation (M)[2]				Mascot
	1838.9105	1838.9258	0.0153	8	3931	3945	QDIPERQCYISPVYK						Mascot
	1973.075	1972.9861	-0.0889	-45	802	818	EHIPIVQVLCNPGLRER	4	0				Mascot
	1973.075	1972.9861	-0.0889	-45	802	818	EHIPIVQVLCNPGLRER						Mascot
	2010.0629	2010.0741	0.0112	6	3543	3558	KLLFSLCFFHALTQER		Carbamidomethyl (C)[7]				Mascot
	2101.1189	2101.0815	-0.0374	-18	1280	1301	TLFGALHLHLGGAPEGPA GTGK						Mascot
	2101.1189	2101.0815	-0.0374	-18	1280	1301	TLFGALHLHLGGAPEGPA GTGK						Mascot
	2126.9019	2127.0369	0.135	63	1454	1470	LCSEQLSSQHHDYGMGR		Carbamidomethyl (C)[2], Oxidation (M)[16]				Mascot
	2210.8865	2211.1169	0.2304	104	3601	3618	YMTGECNYGGRVTDDW DR		Carbamidomethyl (C)[6], Oxidation (M)[2]				Mascot
	2225.0154	2225.136	0.1206	54	3226	3243	DHFTYSLYCNCRSLFEK						Mascot
	2283.2383	2283.1948	-0.0435	-19	3806	3825	SYP SLKPLGGYISDFLER LK						Mascot
	2284.1025	2284.1895	0.087	38	3024	3044	QGGSVCIRLGDSTIEYAP DFR						Mascot
	2368.0808	2368.1372	0.0564	24	1454	1473	LCSEQLSSQHHDYGMGR AVK		Oxidation (M)[16]				Mascot
	2409.1074	2409.2173	0.1099	46	1454	1473	LCSEQLSSQHHDYGMGR AVK		Carbamidomethyl (C)[2]				Mascot
	2416.4285	2416.1379	-0.2906	-120	1201	1223	VTLGALVVLDVHARDVLA SLVQK						Mascot
	2714.5061	2714.3083	-0.1978	-73	1924	1948	YNALMKLLITHQKPTVFV GPTGTGK						Mascot
41	histone-lysine N-methyltransferase MLL [Danio rerio]				gi 160333334	456075.3	9.35	17	31	0	9	0	

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	1384.7114	1384.6061	-0.1053	-76	3795	3806	RPRPCPDKSSGK			Carbamidomethyl (C)[5]	Mascot
	1474.79	1474.7925	0.0025	2	4058	4070	ATSTDLPLPEKFR				Mascot
	1515.7876	1515.7632	-0.0244	-16	4021	4033	KSVLDMFNFLASK			Oxidation (M)[6]	Mascot
	1671.8408	1671.9022	0.0614	37	2642	2656	ETPQNRNAVLSNSK				Mascot
	1750.8767	1750.8677	-0.009	-5	1359	1372	CQNLQWMPKFLQK				Mascot
	2101.1023	2101.0815	-0.0208	-10	3086	3104	TQGQDPLETQLSLTTDLL K	9	0		Mascot
	2101.1023	2101.0815	-0.0208	-10	3086	3104	TQGQDPLETQLSLTTDLL K				Mascot
	2230.2053	2230.2166	0.0113	5	3968	3987	MLGVVHDAVVFLEQLY GAR				Mascot
	2233.093	2233.1003	0.0073	3	1697	1715	NSYHPECLGPNHPTRPT KK			Carbamidomethyl (C)[7]	Mascot
	2409.1074	2409.2173	0.1099	46	4153	4173	FINHSCEPNCYSRVVNVD GQK				Mascot
	3504.4878	3504.5334	0.0456	13	1646	1672	CEPFHLFCLGEAERPHD EQWENWCCRR			Carbamidomethyl (C)[1,8]	Mascot
42	hypothetical protein LOC327557 [Danio rerio]				gi 41054167	45683.6	5.04	8	31	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1009.4472	1009.5239	0.0767	76	43	51	AFDDELDGK					Mascot
1009.4472	1009.5239	0.0767	76	43	51	AFDDELDGK					Mascot
1256.5874	1256.7085	0.1211	96	3	13	NMCLPHSVSPR			Oxidation (M)[2]		Mascot
1368.6841	1368.6106	-0.0735	-54	276	287	HPTALCGWITGR			Carbamidomethyl (C)[6]		Mascot
1384.6824	1384.6061	-0.0763	-55	2	13	KNMCLPHSVSPR			Oxidation (M)[3]		Mascot
1395.7048	1395.7257	0.0209	15	27	38	SVVDQVCARFSK			Carbamidomethyl (C)[7]		Mascot
1515.7229	1515.7632	0.0403	27	1	13	MKNMCLPHSVSPR			Oxidation (M)[1]		Mascot
1750.8257	1750.8677	0.042	24	227	241	SFWPDDCAGVQLVWK					Mascot
2368.1272	2368.1372	0.01	4	288	306	EALYMESLQDREIQEVCV R			Carbamidomethyl (C)[17]		Mascot

43 PREDICTED: anosmin-1-like, partial [Danio rerio] gi|326670889 21409.4 8.83 6 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5519	882.5742	0.0223	25	86	93	GSPLKPRK					Mascot
1515.7802	1515.7632	-0.017	-11	2	16	GPEGKPVSGSTQFPK					Mascot
1790.9105	1790.9044	-0.0061	-3	1	17	MGPEGKPVSGSTQFPKK			Oxidation (M)[1]		Mascot
2157.0466	2157.0488	0.0022	1	18	35	HYECLTSCEFLRSVQTLK					Mascot
2284.147	2284.1895	0.0425	19	94	112	DLQFVEHPSGQLELRWS SR					Mascot

	2409.0002	2409.2173	0.2171	90	45	67	ASGFEEACVQSCDSDSD CTSLKK					Carbamidomethyl (C)[8]	Mascot
44	iron-sulfur cluster assembly enzyme [Danio rerio]				gi 54261801	17796.2	8.7	6	31	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
916.5461	916.5284	-0.0177	-19	116	123	IKNTEIAK						Mascot
1045.5636	1045.5706	0.007	7	44	53	NVGSLDKNAK						Mascot
1256.6382	1256.7085	0.0703	56	34	43	KVVDHYENPR						Mascot
1645.8036	1645.8855	0.0819	50	54	70	NVGTGLVGAPACGDVMK				Carbamidomethyl (C)[12]		Mascot
2157.0645	2157.0488	-0.0157	-7	88	108	TFGCGSAIASSSLATEWV KGK				Carbamidomethyl (C)[4]		Mascot
2283.1545	2283.1948	0.0403	18	124	143	ELCLPPVKLHCSMLAEDA IK				Carbamidomethyl (C)[3], Oxidation (M)[13]		Mascot

45	PHD finger protein 10 [Danio rerio]				gi 37681905	46186.7	8.21	10	30	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
856.4523	856.5302	0.0779	91	26	32	DLSHKEK						Mascot
916.5098	916.5284	0.0186	20	391	398	DISTPQKK						Mascot
996.4567	996.6045	0.1478	148	19	25	YPEMERR				Oxidation (M)[4]		Mascot
1256.6705	1256.7085	0.038	30	254	265	VKSNDRPGAQGK						Mascot
1432.5516	1432.6742	0.1226	86	335	344	MYPWQCMECK				Carbamidomethyl (C)[6,9]		Mascot
1673.7307	1673.9304	0.1997	119	333	344	IKMYPWQCMECK				Carbamidomethyl (C)[8,11]		Mascot
1750.8932	1750.8677	-0.0255	-15	55	69	SDEVIDLMIKEYPAK						Mascot
2211.1597	2211.1169	-0.0428	-19	165	183	TGPFPPVALIPGQFQEYYK R						Mascot
2284.2012	2284.1895	-0.0117	-5	163	182	TKTGPFPPVALIPGQFQEY YK						Mascot
3522.696	3522.5376	-0.1584	-45	303	334	GKPEALIHCSQCQNSGH PSCLDMSVDLVAKIK				Carbamidomethyl (C)[9,12]		Mascot
3522.696	3522.5376	-0.1584	-45	303	334	GKPEALIHCSQCQNSGH PSCLDMSVDLVAKIK				Carbamidomethyl (C)[9,12]		Mascot

46	Frizzled homolog 7a [Danio rerio]				gi 68085067	63592.8	8.4	7	30	0	10	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1009.444	1009.5239	0.0799	79	125	133	QGCEALMNK				Oxidation (M)[7]		Mascot
1009.444	1009.5239	0.0799	79	125	133	QGCEALMNK	10	0		Oxidation (M)[7]		Mascot
1523.7279	1523.6835	-0.0444	-29	2	14	AFLKMQHCCGITR				Oxidation (M)[5]		Mascot

	1523.7279	1523.6835	-0.0444	-29	2	14	AFLKMQHCCGITR						Oxidation (M)[5]	Mascot
	2156.9309	2157.0488	0.1179	55	214	231	DCGAPCEPTRPNGLMYF R						Carbamidomethyl (C)[2,6], Oxidation (M)[15]	Mascot
	2416.2546	2416.1379	-0.1167	-48	15	35	YFLLLTVALQTTSGQYH GEK							Mascot
	2698.2058	2698.3074	0.1016	38	214	236	DCGAPCEPTRPNGLMYF REEEVK						Carbamidomethyl (C)[2]	Mascot
	2714.2007	2714.3083	0.1076	40	214	236	DCGAPCEPTRPNGLMYF REEEVK						Carbamidomethyl (C)[2], Oxidation (M)[15]	Mascot
	3505.8196	3505.5146	-0.305	-87	237	265	FGRLWVGWISILCCVSTL FTVLTYLVDNR						Carbamidomethyl (C)[13,14]	Mascot
	3521.8145	3521.5479	-0.2666	-76	237	265	FGRLWVGWISILCCVSTL FTVLTYLVDNR						Carbamidomethyl (C)[13,14], Oxidation (M)[28]	Mascot
	3522.6421	3522.5376	-0.1045	-30	88	117	VQCSMDLKFFLCSTMYAP VCTVLEQAIPPCR						Carbamidomethyl (C)[3,12], Oxidation (M)[5]	Mascot
	3522.6421	3522.5376	-0.1045	-30	88	117	VQCSMDLKFFLCSTMYAP VCTVLEQAIPPCR						Carbamidomethyl (C)[3,12], Oxidation (M)[5]	Mascot
47	PREDICTED: myomegalin [Danio rerio]					gi 326677193		153468.8	5.53	6	30	0	30	73.521

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5195	882.5742	0.0547	62	105	111	KAFFTLR					Mascot
902.4988	902.4631	-0.0357	-40	1014	1020	RMQAQIR					Mascot
902.4988	902.4631	-0.0357	-40	1014	1020	RMQAQIR	30	73.521			Mascot
1759.8578	1759.9391	0.0813	46	294	309	SLQAQMRDCTPVGTPR					Mascot
1972.8341	1972.9861	0.152	77	1157	1175	YSGAEGLEGEAPDGSFA CR			Carbamidomethyl (C)[18]		Mascot
1972.8341	1972.9861	0.152	77	1157	1175	YSGAEGLEGEAPDGSFA CR			Carbamidomethyl (C)[18]		Mascot
2127.0723	2127.0369	-0.0354	-17	38	56	RTAQLSLVSLQSCDQHQQ LR					Mascot
2229.9829	2230.2166	0.2337	105	1157	1178	YSGAEGLEGEAPDGSFA CRTGR					Mascot

48 PREDICTED: kinesin family member 13Ba [Danio rerio] gi|125841549 203289.8 5.5 1 30 73.504

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
902.4941	902.4631	-0.031	-34	376	382	EEVEKLR	32	82.016		1	Mascot

49 extracellular matrix protein FRAS1 [Danio rerio] gi|195546942 440330.6 5.29 1 26 33.488

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1009.4479	1009.5239	0.076	75	2697	2705	TRGMSGDNR	26	33.488	Oxidation (M)[4]	3	Mascot

50 PREDICTED: hypothetical protein LOC100534684 gi|326675785 33684.7 7.6 1 21 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
902.4689	902.4631	-0.0058	-6	139	146 QGDDAKIR	21	0		8	Mascot

Gel Idx/Pos	223/I23	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	methylosome protein 50 [Danio rerio]	gi 41054711	35062.3	5.84	14	791	100	689	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
801.4001	801.3992	-0.0009	-1	286	291 HQDFVR					Mascot
943.5359	943.5347	-0.0012	-1	182	188 LLLWDQR					Mascot
943.5359	943.5347	-0.0012	-1	182	188 LLLWDQR	59	99.966			Mascot
957.5013	957.5016	0.0003	0	285	291 RHQDFVR					Mascot
1002.5002	1002.5018	0.0016	2	20	27 HLDAIDYR					Mascot
1036.488	1036.4905	0.0025	2	56	64 LAPSEGFCR			Carbamidomethyl (C)[8]		Mascot
1036.488	1036.4905	0.0025	2	56	64 LAPSEGFCR	38	95.595	Carbamidomethyl (C)[8]		Mascot
1358.7638	1358.7645	0.0007	1	29	42 DGVLLLAASSLSGR					Mascot
1486.8588	1486.861	0.0022	1	28	42 KDGVLLLAASSLSGR					Mascot
1625.7417	1625.7488	0.0071	4	43	55 CWQGSWVYSDPK			Carbamidomethyl (C)[1]		Mascot
1727.8129	1727.8151	0.0022	1	112	128 QEHGDVVTGVSACVGG R			Carbamidomethyl (C)[13]		Mascot
1926.9304	1926.9353	0.0049	3	65	82 AGVQTEAGVSDVHWISD R	110	100			Mascot
1926.9304	1926.9353	0.0049	3	65	82 AGVQTEAGVSDVHWISD R					Mascot
2289.1245	2289.1335	0.009	4	83	103 ALLLASDSGSVELWDLAE DER					Mascot
2289.1245	2289.1335	0.009	4	83	103 ALLLASDSGSVELWDLAE DER	148	100			Mascot
2950.4099	2950.4238	0.0139	5	251	278 LAYSDDSAALLASISDDC SVAVHTAELR	190	100	Carbamidomethyl (C)[18]		Mascot
2950.4099	2950.4238	0.0139	5	251	278 LAYSDDSAALLASISDDC SVAVHTAELR			Carbamidomethyl (C)[18]		Mascot
3052.4119	3052.4548	0.0429	14	292	319 GVCWSPGGSSALTTVG WDHQVLHHTPEH			Carbamidomethyl (C)[3]		Mascot
3337.5906	3337.7168	0.1262	38	196	226 IDVQSPSCSPTAVVWHP					Mascot

	3394.6121	3394.6301	0.018	5	196	226	QHSSTIAYGDELGR IDVQSPSCSPTAVVWHP QHSSTIAYGDELGR			Carbamidomethyl (C)[8]	Mascot	
	3394.6121	3394.6301	0.018	5	196	226	IDVQSPSCSPTAVVWHP QHSSTIAYGDELGR	145	100	Carbamidomethyl (C)[8]	Mascot	
2	citrate lyase beta-like [Danio rerio]				gi 225637501	37908.7	7.12	7	148	100	122	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1232.627	1232.6257	-0.0013	-1	50	60	AVLYVPGNDER						Mascot
1359.6539	1359.6578	0.0039	3	282	293	AVQEEFAPSPER						Mascot
1359.6539	1359.6578	0.0039	3	282	293	AVQEEFAPSPER	23	0				Mascot
1579.7386	1579.7408	0.0022	1	141	153	VEDTGEVQWFVDR	99	100				Mascot
1579.7386	1579.7408	0.0022	1	141	153	VEDTGEVQWFVDR						Mascot
1653.8529	1653.8911	0.0382	23	21	34	LLLSAVPWCHSSQR				Carbamidomethyl (C)[9]		Mascot
1672.8329	1672.8354	0.0025	1	296	309	WATELIAAFEEHQK						Mascot
2398.2651	2398.2466	-0.0185	-8	238	258	AFGLQAIDLVIYIDYK DVE GLR						Mascot
2423.0833	2423.0903	0.007	3	196	218	AGFHHDGVVFGSDDFCA SIGATR				Carbamidomethyl (C)[16]		Mascot

3	novel protein similar to vertebrate citrate lyase beta like, gi 169154287 (CLYBL, zgc:123316) [Danio rerio]				gi 169154287	13192.7	4.55	1	104	100	99	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1579.7386	1579.7408	0.0022	1	46	58	VEDTGEVQWFVDR	99	100				Mascot
1579.7386	1579.7408	0.0022	1	46	58	VEDTGEVQWFVDR						Mascot

4	Rplp0 protein [Danio rerio]				gi 38541244	34404	5.73	7	103	100	72	99.998
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1249.6284	1249.6309	0.0025	2	67	77	GHLENNPALER	72	99.998				Mascot
1249.6284	1249.6309	0.0025	2	67	77	GHLENNPALER						Mascot
1313.71	1313.713	0.003	2	135	146	TSFFQALGITTK						Mascot
1826.027	1826.0291	0.0021	1	150	166	GTIEILSDVQLIKPGDK						Mascot
1851.6749	1851.9321	0.2572	139	301	316	EESEESDEDMGFGLFD				Oxidation (M)[10]		Mascot
1896	1895.9883	-0.0117	-6	248	264	VLAVTVETDYTFPLAEK						Mascot
2176.1284	2176.1582	0.0298	14	267	288	AYLADPTAFAVAAPVAAA TEQK						Mascot

	2180.1016	2180.1167	0.0151	7	113	134	AGAIAPCEVTVPAQNTGL GPEK				Carbamidomethyl (C)[7]	Mascot	
5	60S acidic ribosomal protein P0 [Danio rerio]				gi 18859323		34731.2	6.16	6	96	99.999	72	99.998

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1249.6284	1249.6309	0.0025	2	67	77	GHLENNPALER	72	99.998			Mascot
1249.6284	1249.6309	0.0025	2	67	77	GHLENNPALER					Mascot
1313.71	1313.713	0.003	2	135	146	TSFFQALGITTK					Mascot
1826.027	1826.0291	0.0021	1	150	166	GTIEILSDVQLIKPGDK					Mascot
1896	1895.9883	-0.0117	-6	251	267	VLAVTVETDYTFPLAEK					Mascot
2176.1284	2176.1582	0.0298	14	270	291	AYLADPTAFAVAAPVAAA TEQK					Mascot
2180.1016	2180.1167	0.0151	7	113	134	AGAIAPCEVTVPAQNTGL GPEK			Carbamidomethyl (C)[7]		Mascot

6	PREDICTED: hypothetical protein LOC100331372 [Danio rerio]				gi 326669019		62352.3	5.93	15	49	48.906	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.4325	801.3992	-0.0333	-42	241	246	DRQINR					Mascot
882.4389	882.5674	0.1285	146	408	414	MTFNELK					Mascot
1232.6555	1232.6257	-0.0298	-24	54	65	VILMVGETDAGK					Mascot
1249.6456	1249.6309	-0.0147	-12	429	438	MDLEKITQQK			Oxidation (M)[1]		Mascot
1249.6456	1249.6309	-0.0147	-12	429	438	MDLEKITQQK			Oxidation (M)[1]		Mascot
1277.7134	1277.676	-0.0374	-29	269	279	KSVQMTLDVLK			Oxidation (M)[5]		Mascot
1358.7063	1358.7645	0.0582	43	17	28	GPPALYQLNTER					Mascot
1359.5266	1359.6578	0.1312	97	523	533	YNSMDLPPEMM			Oxidation (M)[4,10]		Mascot
1359.5266	1359.6578	0.1312	97	523	533	YNSMDLPPEMM			Oxidation (M)[4,10]		Mascot
1486.8013	1486.861	0.0597	40	17	29	GPPALYQLNTERK					Mascot
1635.6937	1635.8325	0.1388	85	378	390	QHCTVCSGKCHYR			Carbamidomethyl (C)[3,6]		Mascot
1639.8689	1639.8168	-0.0521	-32	255	268	SLNGFFTILEEKNK					Mascot
1653.8483	1653.8911	0.0428	26	132	145	GFEKDAEIAEYLIR					Mascot
1727.788	1727.8151	0.0271	16	408	420	MTFNELKQFCHEK			Carbamidomethyl (C)[10], Oxidation (M)[1]		Mascot
1894.9579	1894.965	0.0071	4	494	509	TGEEQKNKPVDYVMK			Oxidation (M)[15]		Mascot
2289.0566	2289.1335	0.0769	34	146	164	LFADEDGIHYIDTVCFVM K			Carbamidomethyl (C)[15], Oxidation (M)[18]		Mascot
2289.0566	2289.1335	0.0769	34	146	164	LFADEDGIHYIDTVCFVM K			Carbamidomethyl (C)[15], Oxidation (M)[18]		Mascot

2384.1768

2383.9565

-0.2203

-92

247

266

SAWDLEERSLNGFFTILE
EK

Mascot

7

PREDICTED: WD repeat- and FYVE domain-containing protein 4 [Danio rerio]

gi|326673033

526148.3

6.32

34

47

9.141

Peptide Information							Ion Score	C. I. %	Modification	Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence					
801.4716	801.3992	-0.0724	-90	4367	4373	DVLVVEK					Mascot
850.5145	850.5432	0.0287	34	2616	2622	RSFSLLK					Mascot
943.5029	943.5347	0.0318	34	800	807	HLTTLQK					Mascot
943.5029	943.5347	0.0318	34	800	807	HLTTLQK					Mascot
957.5588	957.5016	-0.0572	-60	1873	1880	QQASRVLR					Mascot
1002.4859	1002.5018	0.0159	16	1902	1909	ICIQNMHK			Oxidation (M)[6]		Mascot
1036.4945	1036.4905	-0.004	-4	3	11	AFEQGVEEK					Mascot
1036.4945	1036.4905	-0.004	-4	3	11	AFEQGVEEK					Mascot
1179.6844	1179.6025	-0.0819	-69	1279	1288	DQHIATLLLR					Mascot
1202.635	1202.5201	-0.1149	-96	850	859	ALGLQWCVQK			Carbamidomethyl (C)[7]		Mascot
1232.678	1232.6257	-0.0523	-42	516	526	SAVVNRISVCK			Carbamidomethyl (C)[10]		Mascot
1249.7151	1249.6309	-0.0842	-67	193	204	GKSFATTITPVK					Mascot
1249.7151	1249.6309	-0.0842	-67	193	204	GKSFATTITPVK					Mascot
1313.5581	1313.713	0.1549	118	1322	1331	IMSDCCLCRR			Carbamidomethyl (C)[5,6]		Mascot
1344.7786	1344.6594	-0.1192	-89	3751	3763	GLFGPGPGVFLKR					Mascot
1358.5684	1358.7645	0.1961	144	1321	1330	KIMSDCCLCR			Carbamidomethyl (C)[6,7,9], Oxidation (M)[3]		Mascot
1486.7821	1486.861	0.0789	53	1118	1130	ADMVIKIDDPEIK					Mascot
1564.8621	1564.835	-0.0271	-17	3962	3974	FLLEDNALEIFLK					Mascot
1579.859	1579.7408	-0.1182	-75	2895	2908	YIGNYLALNVQGVR					Mascot
1579.859	1579.7408	-0.1182	-75	2895	2908	YIGNYLALNVQGVR					Mascot
1625.7518	1625.7488	-0.003	-2	1336	1348	MMLQKMADLPMER			Oxidation (M)[1,2]		Mascot
1635.7189	1635.8325	0.1136	69	257	270	HLCFGCLSTSHMSR			Carbamidomethyl (C)[3]		Mascot
1638.6848	1638.8582	0.1734	106	35	47	SCLYMMPELGYDK			Carbamidomethyl (C)[2], Oxidation (M)[5,6]		Mascot
1639.8043	1639.8168	0.0125	8	388	400	RTQFLLECTMGQER			Carbamidomethyl (C)[7]		Mascot
1708.7352	1708.8048	0.0696	41	257	270	HLCFGCLSTSHMSR			Carbamidomethyl (C)[3,6], Oxidation (M)[12]		Mascot
1710.9094	1710.8059	-0.1035	-60	2812	2828	SCLVTVYLNATAIGTGK					Mascot
1727.9802	1727.8151	-0.1651	-96	4566	4581	NVIITGSADGVVRIWK					Mascot
1851.8298	1851.9321	0.1023	55	255	270	EKHLCFGCLSTSHMSR			Oxidation (M)[14]		Mascot
1895.9895	1895.9883	-0.0012	-1	1771	1787	SISFLSNRDTEVGVMIK					Mascot
1993.9907	1993.9792	-0.0115	-6	2521	2537	QIMCEFGLLSTLLTHCK			Carbamidomethyl (C)[4]		Mascot

	2175.9912	2176.1582	0.167	77	3183	3201	SWSFECLSCICPGFEVLQ K											Mascot
	2180.0991	2180.1167	0.0176	8	738	757	MTVHLFGAVSSPSCAIFA LR						Carbamidomethyl (C)[14], Oxidation (M)[1]					Mascot
	2224.9355	2225.1274	0.1919	86	257	274	HLCFGCLSTSHMSRDCE K						Carbamidomethyl (C)[3,6,16]					Mascot
	2224.9355	2225.1274	0.1919	86	257	274	HLCFGCLSTSHMSRDCE K						Carbamidomethyl (C)[3,6,16]					Mascot
	2233.0127	2233.0911	0.0784	35	3183	3201	SWSFECLSCICPGFEVLQ K						Carbamidomethyl (C)[6]					Mascot
	2283.1948	2283.1855	-0.0093	-4	2024	2043	IIQSSFMRSSNTVICSQIL R											Mascot
	2284.1389	2284.1831	0.0442	19	2349	2369	LGEALLHLGCFQKGDPV ESDR											Mascot
	2289.0791	2289.1335	0.0544	24	815	833	WVSNSCYVLQAMPQEY RAK						Oxidation (M)[12]					Mascot
	2289.0791	2289.1335	0.0544	24	815	833	WVSNSCYVLQAMPQEY RAK						Oxidation (M)[12]					Mascot
	2423.1521	2423.0903	-0.0618	-26	691	710	FRQEPVAFMGDVQAMYY QVK						Oxidation (M)[9]					Mascot
	3052.4277	3052.4548	0.0271	9	355	381	SDQVILTYAFLDPGSSAT FCSEQLMQK						Carbamidomethyl (C)[20], Oxidation (M)[25]					Mascot
	3337.6045	3337.7168	0.1123	34	3638	3666	EGQVSMADVSPWEEQ ATKSWQLFIDSQK											Mascot
8	Citrate lyase beta-like [Danio rerio]				gi 81673067		37870.7	7.08	6	43	0	23	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1232.627	1232.6257	-0.0013	-1	50	60	AVLYVPGNDER						Mascot
1359.6539	1359.6578	0.0039	3	282	293	AVQEEFAPSPER						Mascot
1359.6539	1359.6578	0.0039	3	282	293	AVQEEFAPSPER	23		0			Mascot
1564.7642	1564.835	0.0708	45	141	153	VEDTGEVLWFVDR						Mascot
1672.8329	1672.8354	0.0025	1	296	309	WATELIAAFEHHQK						Mascot
2398.2651	2398.2466	-0.0185	-8	238	258	AFGLQAIDLVIYIDYKDVE GLR						Mascot
2423.0833	2423.0903	0.007	3	196	218	AGFHHDGVVFGSDDFCA SIGATR				Carbamidomethyl (C)[16]		Mascot

9 novel protein [Danio rerio] gi|169145320 46345 5.35 11 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
801.4325	801.3992	-0.0333	-42	255	260	DRQINR						Mascot
1202.4863	1202.5201	0.0338	28	392	402	QHCTVCSGKCH						Mascot
1232.6555	1232.6257	-0.0298	-24	68	79	VILMVGETDAGK						Mascot
1277.7134	1277.676	-0.0374	-29	283	293	KSVQMTLDVLK				Oxidation (M)[5]		Mascot
1335.6937	1335.7087	0.015	11	1	13	MASVSSLIQQSGK						Mascot

	1358.7063	1358.7645	0.0582	43	31	42	GPPALYQLNTER						Mascot
	1486.8013	1486.861	0.0597	40	31	43	GPPALYQLNTERK						Mascot
	1639.8689	1639.8168	-0.0521	-32	269	282	SLNGFFTILEEKNK						Mascot
	1653.8483	1653.8911	0.0428	26	146	159	GFEKDAEIAEYLIR						Mascot
	2289.0566	2289.1335	0.0769	34	160	178	LFADGEDGIHYIDTVCFVM K	Carbamidomethyl (C)[15], Oxidation (M)[18]					Mascot
	2289.0566	2289.1335	0.0769	34	160	178	LFADGEDGIHYIDTVCFVM K	Carbamidomethyl (C)[15], Oxidation (M)[18]					Mascot
	2384.1768	2383.9565	-0.2203	-92	261	280	SAWDLEERSLNGFFTILE EK						Mascot
10	PREDICTED: rapamycin-insensitive companion of mTOR, partial [Danio rerio]					gi 326667603	180801.9	7.89	19	42	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
1051.5782	1051.712	0.1338	127	758	766	GYVSKQLEK					Mascot	
1179.6957	1179.6025	-0.0932	-79	402	412	LRASAAVNHLK					Mascot	
1335.7631	1335.7087	-0.0544	-41	44	54	YLIRDSSILQK					Mascot	
1486.8013	1486.861	0.0597	40	523	535	LYSALELDHAKAR					Mascot	
1557.7261	1557.8682	0.1421	91	1049	1060	TPDELRLMHGK			Carbamidomethyl (C)[10], Oxidation (M)[8]		Mascot	
1579.7784	1579.7408	-0.0376	-24	1124	1139	LTCDGASVLPGGGTFK			Carbamidomethyl (C)[3]		Mascot	
1579.7784	1579.7408	-0.0376	-24	1124	1139	LTCDGASVLPGGGTFK			Carbamidomethyl (C)[3]		Mascot	
1638.9075	1638.8582	-0.0493	-30	1009	1022	SPFTILTTPSHLR					Mascot	
1646.9154	1646.8633	-0.0521	-32	118	132	MVRACIAICELALK					Mascot	
1653.9071	1653.8911	-0.016	-10	1007	1020	ERSPFTILTTPSHLR					Mascot	
1672.7677	1672.8354	0.0677	40	615	628	CGVFQCLLNLCMSK			Carbamidomethyl (C)[1,6]		Mascot	
1710.8843	1710.8059	-0.0784	-46	656	670	ILTAATDNCRLYATK			Carbamidomethyl (C)[9]		Mascot	
1874.0164	1873.9421	-0.0743	-40	141	157	GGLSTILKNVIDCQLSR			Carbamidomethyl (C)[13]		Mascot	
1895.8613	1895.9883	0.127	67	701	717	TISMEALDILDEACEDK					Mascot	
1926.9344	1926.9353	0.0009	0	293	309	FQDSWRLSDGFVAAEAK					Mascot	
1926.9344	1926.9353	0.0009	0	293	309	FQDSWRLSDGFVAAEAK					Mascot	
2180.0659	2180.1167	0.0508	23	181	198	ADVELEQILAPYTDHFYR					Mascot	
2211.1987	2211.115	-0.0837	-38	121	140	ACIAICELALKNPEVVAQ R			Carbamidomethyl (C)[2]		Mascot	
2305.1204	2305.1479	0.0275	12	1223	1243	SPSVATIKSLVDCSYMYT SPR					Mascot	
2423.1702	2423.0903	-0.0799	-33	615	635	CGVFQCLLNLCMSKMQD HLLK			Oxidation (M)[13]		Mascot	
3337.5789	3337.7168	0.1379	41	1329	1358	SMVSSATFGCSEDIYGLA LPLDINNMFQIK			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot	

11	LOC559330 protein [Danio rerio]					gi 134025099	59917.2	6.33	9	42	0		
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Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type	
	943.5319	943.5347	0.0028	3	329	336 QRSNTLPK						Mascot	
	943.5319	943.5347	0.0028	3	329	336 QRSNTLPK		10	0			Mascot	
	1165.6034	1165.7457	0.1423	122	416	424 QVMKPLYDR				Oxidation (M)[3]		Mascot	
	1277.6155	1277.676	0.0605	47	382	392 DMTREQIGAEK						Mascot	
	1313.7423	1313.713	-0.0293	-22	386	397 EQIGAEKVAIQK						Mascot	
	1344.6404	1344.6594	0.019	14	29	38 HQREQQESFR						Mascot	
	1564.79	1564.835	0.045	29	413	424 NERQVMKPLYDR				Oxidation (M)[6]		Mascot	
	1710.9272	1710.8059	-0.1213	-71	351	366 APKPPVESTLETVTNK						Mascot	
	2398.1919	2398.2466	0.0547	23	498	518 LSNLHAATMQELVEELQE AQK				Oxidation (M)[9]		Mascot	
	3408.5669	3408.6541	0.0872	26	211	240 FYGYGDGHQYLLDDEVP PSPPNHASFVSRR						Mascot	
12	alanine aminotransferase 2-like [Danio rerio]				gi 218505800		54786.7	8.26	7	41	0	26	30.182
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type	
	850.4781	850.5432	0.0651	77	29	35 KVDYAVR						Mascot	
	943.5108	943.5347	0.0239	25	481	487 LKDFHQR						Mascot	
	943.5108	943.5347	0.0239	25	481	487 LKDFHQR		26	30.182			Mascot	
	1002.5829	1002.5018	-0.0811	-81	377	386 TAVLSALAEK						Mascot	
	1179.438	1179.6025	0.1645	139	312	320 CYMGECGFR				Carbamidomethyl (C)[1,6]		Mascot	
	1358.6844	1358.7645	0.0801	59	2	13 QQKMSENGAIPR						Mascot	
	1557.6924	1557.8682	0.1758	113	321	334 GGYMEVINMDADVK				Oxidation (M)[4]		Mascot	
	1851.8979	1851.9321	0.0342	18	81	96 QVMALCTYPQLDDNK						Mascot	
13	novel protein containing an ATP synthase E chain domain (zgc:153661) [Danio rerio]				gi 148724895		8311.5	6.32	5	41	0		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type	
	1002.5214	1002.5018	-0.0196	-20	52	59 EEQERIAK						Mascot	
	1307.7755	1307.677	-0.0985	-75	1	12 MVPPVQVSPLIK						Mascot	
	1344.7006	1344.6594	-0.0412	-31	60	71 QLAEANEDTILK						Mascot	
	1475.8733	1475.7573	-0.116	-79	16	28 WSALLVGIIYGKR						Mascot	
	1635.9614	1635.8325	-0.1289	-79	1	15 MVPPVQVSPLIKTAR						Mascot	

14	cofilin-2 [Danio rerio]	gi 45387807	18556.7	7.62	6	40	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
943.5029	943.5347	0.0318	34	74	81	LLPLNDCR	4	0			Mascot
943.557	943.5347	-0.0223	-24	46	53	KIIVEEGR					Mascot
1335.6825	1335.7087	0.0262	20	1	13	MASGVTVSDEVIK					Mascot
2211.0637	2211.115	0.0513	23	54	73	QILVGDIGDSVDDPYACFVK			Carbamidomethyl (C)[17]		Mascot
2305.1169	2305.1479	0.031	13	74	92	LLPLNDCRYGLYDATYETK			Carbamidomethyl (C)[7]		Mascot
2950.4866	2950.4238	-0.0628	-21	47	73	IIVEEGRQILVGDIGDSVD DPYACFVK					Mascot
2950.4866	2950.4238	-0.0628	-21	47	73	IIVEEGRQILVGDIGDSVD DPYACFVK					Mascot

15	glutamic pyruvate transaminase (alanine aminotransferase) 2 [Danio rerio]	gi 122891393	62456.5	7.61	6	40	0	26	30.182
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
850.4781	850.5432	0.0651	77	98	104 KVDYAVR				Mascot
943.5108	943.5347	0.0239	25	550	556 LKDFHQ				Mascot
943.5108	943.5347	0.0239	25	550	556 LKDFHQ	26	30.182		Mascot
1002.5829	1002.5018	-0.0811	-81	446	455 TAVLSALAEK				Mascot
1179.438	1179.6025	0.1645	139	381	389 CYMGECGFR		Carbamidomethyl (C)[1,6]		Mascot
1557.6924	1557.8682	0.1758	113	390	403 GGYMEVINMDADVK		Oxidation (M)[4]		Mascot
1851.8979	1851.9321	0.0342	18	150	165 QVMALCTYPQLLDDNK				Mascot

16	Gpt2l protein [Danio rerio]	qil38303791	58335.5	6.84	6	40	0	26	30.182
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
850.4781	850.5432	0.0651	77	62	68	KVDYAVR			Mascot
943.5108	943.5347	0.0239	25	514	520	LKDFHQ			Mascot
943.5108	943.5347	0.0239	25	514	520	LKDFHQ	26	30.182	Mascot
1002.5829	1002.5018	-0.0811	-81	410	419	TAVLSALAEK			Mascot
1179.438	1179.6025	0.1645	139	345	353	CYMGECGFR		Carbamidomethyl (C)[1,6]	Mascot
1557.6924	1557.8682	0.1758	113	354	367	GGYMEVINMDADVK		Oxidation (M)[4]	Mascot
1851.8979	1851.9321	0.0342	18	114	129	QVMALCTYPQLLDDNK			Mascot

17 Si:ch211-175f11.3 protein [Danio rerio] gi|60416070 46582.6 7.73 9 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1002.4713	1002.5018	0.0305	30	220	227	FNNFSVMK			Oxidation (M)[7]		Mascot
1045.6113	1045.5654	-0.0459	-44	368	376	SSLRQTVVR					Mascot
1335.6473	1335.7087	0.0614	46	163	175	GGVAGCQKEPFSR					Mascot
1344.5889	1344.6594	0.0705	52	199	209	FTCDDVDFNLR					Mascot
1579.9207	1579.7408	-0.1799	-114	264	277	HVFLATPAQLLLEK					Mascot
1579.9207	1579.7408	-0.1799	-114	264	277	HVFLATPAQLLLEK					Mascot
1646.8464	1646.8633	0.0169	10	357	371	GATLCVICPNRSSLR			Carbamidomethyl (C)[5]		Mascot
1672.8652	1672.8354	-0.0298	-18	372	384	QTVVRLELEDEWR					Mascot
2211.0308	2211.115	0.0842	38	244	263	MTDVPTTIQPSQYICAPD SK			Oxidation (M)[1]		Mascot
2950.4219	2950.4238	0.0019	1	132	157	NVSLKQVLQHMESSPDIT QYGLCGMR			Oxidation (M)[11]		Mascot
2950.4219	2950.4238	0.0019	1	132	157	NVSLKQVLQHMESSPDIT QYGLCGMR			Oxidation (M)[11]		Mascot

18 RecName: Full=Alanine aminotransferase 2-like; Short=ALT2; AltName: Full=Glutamate pyruvate transaminase gi|161789027 61052.9 8.57 6 39 0 26 30.182

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.5432	0.0651	77	85	91	KVDYAVR					Mascot
943.5108	943.5347	0.0239	25	537	543	LKDFHQR					Mascot
943.5108	943.5347	0.0239	25	537	543	LKDFHQR	26	30.182			Mascot
1002.5829	1002.5018	-0.0811	-81	433	442	TAVLSALAEK					Mascot
1179.438	1179.6025	0.1645	139	368	376	CYMGECGFR			Carbamidomethyl (C)[1,6]		Mascot
1557.6924	1557.8682	0.1758	113	377	390	GGYMEVINMDADVK			Oxidation (M)[4]		Mascot
1851.8979	1851.9321	0.0342	18	137	152	QVMALCTYPQLLDDNK					Mascot

19 PREDICTED: hypothetical protein LOC100536966 [Danio rerio]

gi|326672251 113653.1 8.65 11 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
943.5458	943.5347	-0.0111	-12	997	1005	ADIPSSLLK					Mascot

	943.5458	943.5347	-0.0111	-12	997	1005	ADIPSSLLK	14	0		Mascot
	1045.5533	1045.5654	0.0121	12	927	935	LPMDIMLGR				Mascot
	1165.6099	1165.7457	0.1358	117	4	14	ASSDIAFVDIK				Mascot
	1232.6125	1232.6257	0.0132	11	677	687	GLLCREVCDPK				Mascot
	1344.6365	1344.6594	0.0229	17	176	186	DGTLRFCVDYR				Mascot
	1359.7994	1359.6578	-0.1416	-104	306	317	LGDFNLKVKPTK				Mascot
	1359.7994	1359.6578	-0.1416	-104	306	317	LGDFNLKVKPTK				Mascot
	1486.7397	1486.861	0.1213	82	549	562	TNGNADALSRWPGK				Mascot
	1579.7178	1579.7408	0.023	15	251	264	MPMGLCNAPGTFQR	4	0	Carbamidomethyl (C)[6]	Mascot
	1579.7178	1579.7408	0.023	15	251	264	MPMGLCNAPGTFQR			Carbamidomethyl (C)[6]	Mascot
	1639.8875	1639.8168	-0.0707	-43	654	667	ERAAEDRPTQVVLR				Mascot
	1825.8326	1826.0291	0.1965	108	402	416	AERWAWGEMQESAFK				Mascot
	1916.9963	1916.9828	-0.0135	-7	16	33	EAILQADAFGEVEIQGVK				Mascot

20 PREDICTED: butyrophilin subfamily 1 member A1-like [Danio rerio] gi|326665740 56645.3 6.53 8 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
943.5431	943.5347	-0.0084	-9	273	280	SRIQLGNR					Mascot
943.5431	943.5347	-0.0084	-9	273	280	SRIQLGNR	13	0			Mascot
1045.6	1045.5654	-0.0346	-33	308	317	SSAASLLLQR					Mascot
1202.547	1202.5201	-0.0269	-22	180	189	LSPESTEMHR			Oxidation (M)[8]		Mascot
1277.6709	1277.676	0.0051	4	198	208	HTVTVHQRDQK					Mascot
1727.7621	1727.8151	0.053	31	376	390	EGFSSGCFYFEVEVK					Mascot
1825.9304	1826.0291	0.0987	54	190	205	NTDGFSVKHTVTVHQR					Mascot
2211.0425	2211.115	0.0725	33	376	394	EGFSSGCFYFEVEVKGQIK			Carbamidomethyl (C)[7]		Mascot
3052.4568	3052.4548	-0.002	-1	124	151	TWSDDTTNVNKEAVGSPPMITVDGFDR			Oxidation (M)[20]		Mascot

21 sirtuin 3 [Danio rerio] gi|122114557 40120.5 8.34 9 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
957.5767	957.5016	-0.0751	-78	337	344	LVELLGWK					Mascot
1165.6113	1165.7457	0.1344	115	42	51	TLSHFPHAQK					Mascot
1307.6677	1307.677	0.0093	7	15	24	CFAENLLWRR					Mascot
1635.7539	1635.8325	0.0786	48	233	247	DDIMAGTVPKCPTCK			Carbamidomethyl (C)[11]		Mascot

	1638.8784	1638.8582	-0.0202	-12	2	14	LYLNTFLPSVCRR		Carbamidomethyl (C)[11]	Mascot	
	1639.7922	1639.8168	0.0246	15	81	94	DNVHQQTLEDIAEK			Mascot	
	1646.8054	1646.8633	0.0579	35	228	242	GEELRDDIMAGTVPK		Oxidation (M)[9]	Mascot	
	1708.7703	1708.8048	0.0345	20	233	247	DDIMAGTVPKCPTCK		Carbamidomethyl (C)[11,14], Oxidation (M)[4]	Mascot	
	1926.8871	1926.9353	0.0482	25	206	223	MLVEAHGTFATATCTVC R		Oxidation (M)[1]	Mascot	
	1926.8871	1926.9353	0.0482	25	206	223	MLVEAHGTFATATCTVC R		Oxidation (M)[1]	Mascot	
	2284.1316	2284.1831	0.0515	23	74	94	GLFGGGRDNNVHQQTLED IAEK			Mascot	
22	plasma membrane calcium ATPase 4 [Danio rerio]					gi 171222380	129650.3	5.57	15	36	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	850.4273	850.5432	0.1159	136	643	649	TICVAMR			Carbamidomethyl (C)[3]		Mascot
	1036.4728	1036.4905	0.0177	17	624	631	DRDEMVKQ			Oxidation (M)[5]		Mascot
	1036.4728	1036.4905	0.0177	17	624	631	DRDEMVKQ			Oxidation (M)[5]		Mascot
	1179.6045	1179.6025	-0.002	-2	391	400	TFGIEGIEWK					Mascot
	1249.631	1249.6309	-0.0001	0	560	569	DEVPEEKLYK					Mascot
	1249.631	1249.6309	-0.0001	0	560	569	DEVPEEKLYK					Mascot
	1277.6233	1277.676	0.0527	41	731	740	DFNQQIRNDK					Mascot
	1335.7123	1335.7087	-0.0036	-3	913	923	DKPLISRTMMK			Oxidation (M)[9]		Mascot
	1359.7644	1359.6578	-0.1066	-78	1096	1106	GQILWFRGLNR					Mascot
	1359.7644	1359.6578	-0.1066	-78	1096	1106	GQILWFRGLNR					Mascot
	1557.9032	1557.8682	-0.035	-22	540	553	TECALLGLVLELKR					Mascot
	1625.7992	1625.7488	-0.0504	-31	480	493	MTVVQAYIGDTHYK					Mascot
	1639.7678	1639.8168	0.049	30	45	58	IAECYGDVQGICRR			Carbamidomethyl (C)[4]		Mascot
	1895.7932	1895.9883	0.1951	103	454	471	HLDACETMGNATAICSDK			Oxidation (M)[8]		Mascot
	1993.969	1993.9792	0.0102	5	632	649	VIEPMACDGLRTICVAMR			Oxidation (M)[5]		Mascot
	2176.0374	2176.1582	0.1208	56	249	268	SLEKDPMLLSGTHVMEG SGR			Oxidation (M)[7,15]		Mascot
	2398.1482	2398.2466	0.0984	41	1153	1174	ISTIDEGCAEFELPFSSKP LQS					Mascot
	2705.2075	2705.1721	-0.0354	-13	448	471	DNNLVRHLDACETMGNA TAICSDK			Carbamidomethyl (C)[11,21]		Mascot

23	coiled-coil domain-containing protein 85C-A [Danio rerio]						gi 113679219	44136.4	6.38	9	36	0
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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1036.4703	1036.4905	0.0202	19	359	366	EMCNVVWR	Mascot
1036.4703	1036.4905	0.0202	19	359	366	EMCNVVWR	Mascot
1307.5896	1307.677	0.0874	67	127	137	ELESNQDSVMR	Mascot
1313.7535	1313.713	-0.0405	-31	367	379	KLGDAAGTKPSIR	Mascot
1475.761	1475.7573	-0.0037	-3	355	366	AIVREMCNVVWR	Mascot
1486.8853	1486.861	-0.0243	-16	58	69	LQLHLHEIRSLK	Mascot
1557.7803	1557.8682	0.0879	56	216	228	RSMDDLSTNHLLR	Mascot
1564.7635	1564.835	0.0715	46	125	137	LKELESNQDSVMR	Mascot
1916.9574	1916.9828	0.0254	13	109	124	YTASVMWKEVGVFQQK	Mascot
2225.1785	2225.1274	-0.0511	-23	368	388	LGDAAGTKPSIRQHLSGN QFK	Mascot
2225.1785	2225.1274	-0.0511	-23	368	388	LGDAAGTKPSIRQHLSGN QFK	Mascot

24

novel protein similar to vertebrate protein kinase C, theta (PRKCQ) [Danio rerio]

gi|55962227

81064.5

7.59

13

35

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.5432	0.0651	77	31	37	GQVYKQK					Mascot
957.4167	957.5016	0.0849	89	521	528	IADFGMCK			Carbamidomethyl (C)[7], Oxidation (M)[6]		Mascot
1045.5789	1045.5654	-0.0135	-13	614	621	LFVREPER					Mascot
1277.6881	1277.676	-0.0121	-9	200	212	VIAKCTGSAVNSK					Mascot
1359.5238	1359.6578	0.134	99	257	267	CEECGMNVHHK			Carbamidomethyl (C)[1], Oxidation (M)[6]		Mascot
1359.5238	1359.6578	0.134	99	257	267	CEECGMNVHHK			Carbamidomethyl (C)[1], Oxidation (M)[6]		Mascot
1579.7322	1579.7408	0.0086	5	594	605	TDDPCYPRWLTR			Carbamidomethyl (C)[5]		Mascot
1579.7322	1579.7408	0.0086	5	594	605	TDDPCYPRWLTR			Carbamidomethyl (C)[5]		Mascot
1635.837	1635.8325	-0.0045	-3	72	86	TEATVQLDTLASRCK					Mascot
1727.8322	1727.8151	-0.0171	-10	173	186	EFVWGLNQGYQCR					Mascot
1896.0337	1895.9883	-0.0454	-24	88	103	ENGKLEIWVELKPQGR					Mascot
2284.0989	2284.1831	0.0842	37	537	556	TCTFCGTPDYIAPELLGQ K			Carbamidomethyl (C)[2,5]		Mascot
2950.3838	2950.4238	0.04	14	229	252	FKVYNYMSPTFCEHCGT LLWGLAR			Carbamidomethyl (C)[12,15]		Mascot
2950.3838	2950.4238	0.04	14	229	252	FKVYNYMSPTFCEHCGT LLWGLAR			Carbamidomethyl (C)[12,15]		Mascot
3052.5117	3052.4548	-0.0569	-19	529	556	ENIIGEARTCTFCGTPDYI APEILLGQK					Mascot
3337.5266	3337.7168	0.1902	57	154	180	CHEFTATFFPQPTFC SVC KEFVWGLNK			Carbamidomethyl (C)[1,15,18]		Mascot

25

PREDICTED: discoidin, CUB and LCCL domain-containing protein 1-like [Danio rerio]

gi|326675097

56678.4

8.43

9

34

0

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
1002.6346	1002.5018	-0.1328	-132	222	229	YLLKPKQK					Mascot
1198.6038	1198.6265	0.0227	19	96	104	VVFKECNR				Carbamidomethyl (C)[7]	Mascot
1475.6444	1475.7573	0.1129	77	451	462	SDRQQYDCPAHR					Mascot
1672.7979	1672.8354	0.0375	22	28	42	GVAGEIWGWHGQGYR					Mascot
2175.9685	2176.1582	0.1897	87	105	122	ELMVMAYNTSSVWDEVN R				Oxidation (M)[3,5]	Mascot
2211.155	2211.115	-0.04	-18	50	71	AAVHAGVISDSLGGMINV SLQR				Oxidation (M)[15]	Mascot
3052.4009	3052.4548	0.0539	18	1	27	MELISCLHRGTHFSSQQI SAFCPAGCR				Carbamidomethyl (C)[6], Oxidation (M)[1]	Mascot
3394.8887	3394.6301	-0.2586	-76	284	317	SSGPSQAVILVAGMVLGA ALCVGCLLAGLILWRR					Mascot
3394.8887	3394.6301	-0.2586	-76	283	316	RSSGPSQAVILVAGMVL GAALCVGCLLAGLILWR					Mascot
26	hypothetical protein LOC564848 [Danio rerio]			gi 117606127		56064	9.49	7	34	0 14 0	

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
1249.6569	1249.6309	-0.026	-21	127	138	SKKPVCSGQK					Mascot
1249.6569	1249.6309	-0.026	-21	127	138	SKKPVCSGQK					Mascot
1359.705	1359.6578	-0.0472	-35	214	226	GCQSQVINSAPKK					Mascot
1359.705	1359.6578	-0.0472	-35	214	226	GCQSQVINSAPKK					Mascot
1486.8297	1486.861	0.0313	21	149	162	VGTEMKSNPVALLK					Mascot
1579.8452	1579.7408	-0.1044	-66	354	367	VHHEVGAKVPHDVR	14		0		Mascot
1579.8452	1579.7408	-0.1044	-66	354	367	VHHEVGAKVPHDVR					Mascot
1635.7755	1635.8325	0.057	35	312	325	QAICLSTQDSTQQR				Carbamidomethyl (C)[4]	Mascot
1653.7373	1653.8911	0.1538	93	21	32	CQRPYCLYNHSR				Carbamidomethyl (C)[1,6]	Mascot
1851.9333	1851.9321	-0.0012	-1	381	397	SSVTVQDAFEKALAEK					Mascot
27	Zgc:114199 [Danio rerio]			gi 66911026		30557.2	4.15	7	34	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
996.4632	996.5983	0.1351	136	119	127	SNVVDGDK					Mascot
1036.4615	1036.4905	0.029	28	11	18	TLEEEEMR					Mascot
1036.4615	1036.4905	0.029	28	11	18	TLEEEEMR					Mascot
1307.6049	1307.677	0.0721	55	222	232	CNINVPEALER					Mascot

1335.6791	1335.7087	0.0296	22	211	221	DNEQALYELLK	Mascot
1564.6973	1564.835	0.1377	88	19	33	EGESNGSSEIADLEK	Mascot
1635.6616	1635.8325	0.1709	104	128	142	ESEGEEDGLSPEDSR	Mascot
1825.7731	1826.0291	0.256	140	239	253	SSKDEMLPWSEEECR	Mascot

28 RecName: Full=Coatomer subunit gamma-2; AltName: gi|193806152 97466.3 5.44 13 34 0
Full=Gamma-2-coat protein; Short=Gamma-2-COP

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.4828	801.3992	-0.0836	-104	489	497	AAAVSALAK					Mascot
1232.7473	1232.6257	-0.1216	-99	455	465	ILHLLGKEGPR					Mascot
1307.5581	1307.677	0.1189	91	225	234	SPFAYCMMIR			Carbamidomethyl (C)[6], Oxidation (M)[7,8]		Mascot
1358.6772	1358.7645	0.0873	64	528	538	ATFYMNVLQQK			Oxidation (M)[5]		Mascot
1359.7532	1359.6578	-0.0954	-70	823	834	NSHVLFLAGVFR					Mascot
1359.7532	1359.6578	-0.0954	-70	823	834	NSHVLFLAGVFR					Mascot
1579.7542	1579.7408	-0.0134	-8	394	406	HSVMMNFLSNMLR					Mascot
1579.7542	1579.7408	-0.0134	-8	394	406	HSVMMNFLSNMLR					Mascot
1635.7692	1635.8325	0.0633	39	221	234	SGLKSPFAYCMMIR			Oxidation (M)[11,12]		Mascot
1727.936	1727.8151	-0.1209	-70	152	168	VPSVSSSALVSSLHVMK					Mascot
1927.0548	1926.9353	-0.1195	-62	818	834	VPENKNSHVLFLAGVFR					Mascot
1927.0548	1926.9353	-0.1195	-62	818	834	VPENKNSHVLFLAGVFR					Mascot
2283.1033	2283.1855	0.0822	36	318	338	HPSAVTACNLDLENLITD SNR					Mascot
2398.301	2398.2466	-0.0544	-23	146	168	QAIVDKVPSVSSSALVSS LHVMK			Oxidation (M)[21]		Mascot
3337.5916	3337.7168	0.1252	38	649	675	CIKHTFANHMIFQFDCNTN TLNDQLLQK			Carbamidomethyl (C)[1,16]		Mascot
3408.7507	3408.6541	-0.0966	-28	561	590	SLHQYTLEPSEKPFDMKT VPLATAPITEHK					Mascot

29 PREDICTED: serine/threonine-protein kinase 35-like isoform 2 [Danio rerio] gi|326679334 45683.4 8.61 9 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.494	801.3992	-0.0948	-118	93	100	SGARVAIK					Mascot
850.4338	850.5432	0.1094	129	364	371	SIMSEGVK					Mascot
1179.6368	1179.6025	-0.0343	-29	319	328	ITFIDAEKR					Mascot
1486.7834	1486.861	0.0776	52	16	28	AKPPSAIMWRDSK					Mascot
1564.8118	1564.835	0.0232	15	57	70	KDNFEAGIVFTAPR					Mascot

	1851.9493	1851.9321	-0.0172	-9	126	140	RHENVVQLEECVLQR										Mascot
	2398.1602	2398.2466	0.0864	36	127	146	HENVVQLEECVLQRNGM AQK						Carbamidomethyl (C)[10], Oxidation (M)[17]				Mascot
	2950.345	2950.4238	0.0788	27	252	277	VCAGLSCMQNEGDDQV NNKNIVNINK						Carbamidomethyl (C)[2,7], Oxidation (M)[8]				Mascot
	2950.345	2950.4238	0.0788	27	252	277	VCAGLSCMQNEGDDQV NNKNIVNINK						Carbamidomethyl (C)[2,7], Oxidation (M)[8]				Mascot
	3408.6667	3408.6541	-0.0126	-4	29	57	VLRPLPVETNNDEEPM EDDFSLGFLKK										Mascot
30	ATP-dependent RNA helicase DDX19B [Danio rerio]				gi 27545267		54748	5.56	9	34	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1202.6376	1202.5201	-0.1175	-98	62	72	DDKAAQSLLNK					Mascot
	1249.7878	1249.6309	-0.1569	-126	296	306	IVDPNIIKLK					Mascot
	1249.7878	1249.6309	-0.1569	-126	296	306	IVDPNIIKLK					Mascot
	1926.9337	1926.9353	0.0016	1	364	380	EGHQVALLSGEMQVEQR			Oxidation (M)[12]		Mascot
	1926.9337	1926.9353	0.0016	1	364	380	EGHQVALLSGEMQVEQR			Oxidation (M)[12]		Mascot
	2176.0479	2176.1582	0.1103	51	308	325	EEETLDTIKQYYVICNSK					Mascot
	2211.0283	2211.115	0.0867	39	170	188	WPECLCVCPTYELALQT GK			Carbamidomethyl (C)[4]		Mascot
	2233.0693	2233.0911	0.0218	10	308	325	EEETLDTIKQYYVICNSK			Carbamidomethyl (C)[15]		Mascot
	2289.2061	2289.1335	-0.0726	-32	189	207	VIEQMGKHYPEVQLVYAI R			Oxidation (M)[5]		Mascot
	2289.2061	2289.1335	-0.0726	-32	189	207	VIEQMGKHYPEVQLVYAI R			Oxidation (M)[5]		Mascot
	2384.2642	2383.9565	-0.3077	-129	214	235	GAKLQEQIVIGTPGTVLD WCQK					Mascot
	2423.1411	2423.0903	-0.0508	-21	275	294	TCQMLLFSAFETVWN FAK			Carbamidomethyl (C)[2]		Mascot
	3052.5269	3052.4548	-0.0721	-24	353	380	TAGWLAGELSGREGHQVA LLSGEMQVEQR					Mascot

31 coatomer subunit gamma-2 [Danio rerio] gi|18858453 97484.2 5.44 13 33 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	801.4828	801.3992	-0.0836	-104	489	497	AAAVSALAK					Mascot
	1232.7473	1232.6257	-0.1216	-99	455	465	ILHLLGKEGPR					Mascot
	1307.5581	1307.677	0.1189	91	225	234	SPFAYCMMIR			Carbamidomethyl (C)[6], Oxidation (M)[7,8]		Mascot
	1358.6772	1358.7645	0.0873	64	528	538	ATFYMNVLQKQ			Oxidation (M)[5]		Mascot
	1359.7532	1359.6578	-0.0954	-70	823	834	NSHVLFLAGVFR					Mascot
	1359.7532	1359.6578	-0.0954	-70	823	834	NSHVLFLAGVFR					Mascot
	1579.7542	1579.7408	-0.0134	-8	394	406	HSVMMNFLSNMLR					Mascot

1579.7542	1579.7408	-0.0134	-8	394	406	HSVMMNFLSNMLR							Mascot
1635.7692	1635.8325	0.0633	39	221	234	SGLKSPFAYCMMIR				Oxidation (M)[11,12]			Mascot
1727.936	1727.8151	-0.1209	-70	152	168	VPSVSSSALVSSLHMK							Mascot
1927.0548	1926.9353	-0.1195	-62	818	834	VPENKNSHVLFLAGVFR							Mascot
1927.0548	1926.9353	-0.1195	-62	818	834	VPENKNSHVLFLAGVFR							Mascot
2283.1033	2283.1855	0.0822	36	318	338	HPSAVTACNLDLENLITD SNR							Mascot
2398.301	2398.2466	-0.0544	-23	146	168	QAIVDKVPSVSSSALVSS LHMK				Oxidation (M)[21]			Mascot
3337.5916	3337.7168	0.1252	38	649	675	CIKHTFANHMIQFQDCTN TLNDQLLQK				Carbamidomethyl (C)[1,16]			Mascot
3408.7507	3408.6541	-0.0966	-28	561	590	SLHQYTLEPSEKPFDMKT VPLATAPITEHK							Mascot
32	protein disulfide-isomerase [Danio rerio]				gi 193788703	56598.2	4.55	9	33	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
943.5206	943.5347	0.0141	15	414	422	DNANIVVAK					Mascot
943.5206	943.5347	0.0141	15	414	422	DNANIVVAK					Mascot
996.4632	996.5983	0.1351	136	212	220	NTFDGEVSK					Mascot
1307.6147	1307.677	0.0623	48	423	434	MDSTANEIEAVK					Mascot
1672.9056	1672.8354	-0.0702	-42	400	413	QLAPIWDQLGEKFK					Mascot
1727.8599	1727.8151	-0.0448	-26	452	466	VIDYNGERTLDGFTK					Mascot
1851.9236	1851.9321	0.0085	5	113	128	EYSAGRQAEDIVSWLK					Mascot
2233.1169	2233.0911	-0.0258	-12	423	442	MDSTANEIEAVKVHSFPT LK			Oxidation (M)[1]		Mascot
2705.4138	2705.1721	-0.2417	-89	4	28	FLIVCALAAMSAAEIAEEE DVLVLK			Carbamidomethyl (C)[5]		Mascot
3052.6018	3052.4548	-0.147	-48	1	28	MLKFLIVCALAAMSAAEIA EEEDVLVLK			Oxidation (M)[1,13]		Mascot

33 protein kinase C, theta [Danio rerio] gi|269315875 81814.9 8.06 13 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4781	850.5432	0.0651	77	42	48	GQVYKQK					Mascot
957.4167	957.5016	0.0849	89	526	533	IADFGMCK			Carbamidomethyl (C)[7], Oxidation (M)[6]		Mascot
1045.5789	1045.5654	-0.0135	-13	619	626	LFVREPER					Mascot
1277.6881	1277.676	-0.0121	-9	205	217	VIAKCTGSVAVNSK					Mascot
1359.5238	1359.6578	0.134	99	262	272	CEECGMNVHHK			Carbamidomethyl (C)[1], Oxidation (M)[6]		Mascot
1359.5238	1359.6578	0.134	99	262	272	CEECGMNVHHK			Carbamidomethyl (C)[1], Oxidation (M)[6]		Mascot

	1579.7322	1579.7408	0.0086	5	599	610	TDDPCYPRWLTR		Carbamidomethyl (C)[5]	Mascot	
	1579.7322	1579.7408	0.0086	5	599	610	TDDPCYPRWLTR		Carbamidomethyl (C)[5]	Mascot	
	1635.837	1635.8325	-0.0045	-3	83	97	TEATVQLDTLASRCK			Mascot	
	1727.8322	1727.8151	-0.0171	-10	178	191	EFVWGLNKQGYQCR			Mascot	
	1896.0337	1895.9883	-0.0454	-24	99	114	ENGKLEIWVELKPQGR			Mascot	
	2284.0989	2284.1831	0.0842	37	542	561	TCTFCGTPDYIAPEILLGQK		Carbamidomethyl (C)[2,5]	Mascot	
	2950.3838	2950.4238	0.04	14	234	257	FKVYNYMSPTFCEHCGTLLWGLAR		Carbamidomethyl (C)[12,15]	Mascot	
	2950.3838	2950.4238	0.04	14	234	257	FKVYNYMSPTFCEHCGTLLWGLAR		Carbamidomethyl (C)[12,15]	Mascot	
	3052.5117	3052.4548	-0.0569	-19	534	561	ENIIGEARTCTFCGTPDYIAPEILLGQK			Mascot	
	3337.5266	3337.7168	0.1902	57	159	185	CHEFTATFFPQPTFC SVC KEFVWGLNK		Carbamidomethyl (C)[1,15,18]	Mascot	
34	mitochondrial uncoupling protein 3 [Danio rerio]				gi 37681967		33714.6	10.02	7	33	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4385	850.5432	0.1047	123	296	302	RAMMVSR					Mascot
943.5682	943.5347	-0.0335	-36	48	57	AVTGAAGKIR					Mascot
943.5682	943.5347	-0.0335	-36	48	57	AVTGAAGKIR	4	0			Mascot
996.4713	996.5983	0.127	127	297	304	AMMVSRNR			Oxidation (M)[2,3]		Mascot
1825.9629	1826.0291	0.0662	36	88	103	QMAFASIRIGLYDNVK					Mascot
1851.952	1851.9321	-0.0199	-11	186	201	NALVNCTELVSYDLIK			Carbamidomethyl (C)[6]		Mascot
2180.0759	2180.1167	0.0408	19	119	140	ILAGCTTGAMAVSMAQPTDVVK			Oxidation (M)[10]		Mascot
2211.1702	2211.115	-0.0552	-25	76	95	SLYNGLVAGLQRQMAFA SIR			Oxidation (M)[14]		Mascot

35	MOSC domain-containing protein 1, mitochondrial precursor [Danio rerio]					gi 62122937	36692.9	6.28	5	32	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
943.557	943.5347	-0.0223	-24	251	258	IGEVELKR					Mascot
943.557	943.5347	-0.0223	-24	251	258	IGEVELKR	16	0			Mascot
957.5615	957.5016	-0.0599	-63	280	287	KEPLETLK					Mascot
1249.6787	1249.6309	-0.0478	-38	281	290	EPLETLKTYR					Mascot
1249.6787	1249.6309	-0.0478	-38	281	290	EPLETLKTYR					Mascot
1635.7795	1635.8325	0.053	32	128	141	FPLNNSSDLVVDCR			Carbamidomethyl (C)[13]		Mascot
1653.8959	1653.8911	-0.0048	-3	296	309	QKTSPILGQYYTVR					Mascot

36 hypothetical protein LOC100191015 [Danio rerio] gi|209863095 44412.9 9.4 8 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
996.5373	996.5983	0.061	61	282	288 QRIFNYR					Mascot
1313.7172	1313.713	-0.0042	-3	42	52 LVQELRLDDGR					Mascot
1475.6802	1475.7573	0.0771	52	176	188 APDNSGSLFYNYK					Mascot
1486.757	1486.861	0.104	70	312	326 GAIEISPANVDACVK					Mascot
1825.9009	1826.0291	0.1282	70	1	16 MEDQVVACCVALLYLR					Mascot
1993.9834	1993.9792	-0.0042	-2	309	326 MYRGAIEISPANVDACVK			Carbamidomethyl (C)[16]		Mascot
2211.1743	2211.115	-0.0593	-27	294	311 LIVENTFGILTAQWRMYR					Mascot
2398.1714	2398.2466	0.0752	31	374	394 VRETFTSYFSTEGAVPW QPVP					Mascot

37 Zgc:152968 protein [Danio rerio] gi|157279115 134261.4 6.28 11 32 0 14 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1249.6569	1249.6309	-0.026	-21	89	100 SKKPVCSTSGQK					Mascot
1249.6569	1249.6309	-0.026	-21	89	100 SKKPVCSTSGQK					Mascot
1313.6696	1313.713	0.0434	33	136	147 SSDKVDIDHGLK					Mascot
1358.746	1358.7645	0.0185	14	673	685 GCQSQVIISAPKK					Mascot
1486.8297	1486.861	0.0313	21	608	621 VGTEMKSNPVALLK					Mascot
1579.8452	1579.7408	-0.1044	-66	813	826 VHHEVGAKVPHDVR	14	0			Mascot
1579.8452	1579.7408	-0.1044	-66	813	826 VHHEVGAKVPHDVR					Mascot
1625.712	1625.7488	0.0368	23	1190	1202 EDATACMELMLWR			Carbamidomethyl (C)[6]		Mascot
1635.7755	1635.8325	0.057	35	771	784 QAICLSTQDSTQQR			Carbamidomethyl (C)[4]		Mascot
1851.9333	1851.9321	-0.0012	-1	840	856 SSVTVQDAFEKALAEK					Mascot
1994.0123	1993.9792	-0.0331	-17	305	323 EANDGQIIKGITMANHPG K					Mascot
2305.0183	2305.1479	0.1296	56	223	243 SSDGLPSHEMKCTLSQ ENAR					Mascot
3052.4827	3052.4548	-0.0279	-9	391	418 MLPVNSVYGDECISQS PRSALQNLTSR					Mascot

38 Zgc:153795 protein [Danio rerio] gi|92097819 42352.1 5.79 10 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1249.5664	1249.6309	0.0645	52	1	10 EIMNVEQCQR					Mascot

	1249.5664	1249.6309	0.0645	52	1	10	EIMNVEQCQR										Mascot
	1277.71	1277.676	-0.034	-27	233	244	EQEGPVIPAIPK										Mascot
	1625.6128	1625.7488	0.136	84	293	306	YGSEEECMSVCSTK					Carbamidomethyl (C)[7], Oxidation (M)[8]					Mascot
	1638.692	1638.8582	0.1662	101	26	40	TADGPQECNLVNCMK					Oxidation (M)[14]					Mascot
	1708.7815	1708.8048	0.0233	14	11	25	ACCEREDCQLALIGK					Carbamidomethyl (C)[2]					Mascot
	1851.7194	1851.9321	0.2127	115	213	228	NNYESEDSCMTACTVK					Carbamidomethyl (C)[9]					Mascot
	2179.9053	2180.1167	0.2114	97	288	306	GNLNRYGSEEECMSVCS TK					Carbamidomethyl (C)[12], Oxidation (M)[13]					Mascot
	2211.0122	2211.115	0.1028	46	158	176	NDVDPKALTEMTSEEFQ EK										Mascot
	2288.9851	2289.1335	0.1484	65	193	212	FYYNNGVCQQFIYGGCG GNK					Carbamidomethyl (C)[8]					Mascot
	2288.9851	2289.1335	0.1484	65	193	212	FYYNNGVCQQFIYGGCG GNK					Carbamidomethyl (C)[8]					Mascot
	2304.9875	2305.1479	0.1604	70	268	287	MFFFEASSQSQPFYIYGG CR										Mascot
39	kinesin-like protein KIF11 [Danio rerio]				gi 27545273		106935.8	5.64	13	32	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
943.5029	943.5347	0.0318	34	181	188	LQLVCDPR					Mascot
943.5029	943.5347	0.0318	34	181	188	LQLVCDPR					Mascot
1002.4713	1002.5018	0.0305	30	940	946	KEYMYPR			Oxidation (M)[4]		Mascot
1051.567	1051.712	0.145	138	435	443	IIDLFTDSK					Mascot
1179.662	1179.6025	-0.0595	-50	434	443	KIIDLFTDSK					Mascot
1249.647	1249.6309	-0.0161	-13	24	33	CRPFNTVERK					Mascot
1249.647	1249.6309	-0.0161	-13	24	33	CRPFNTVERK					Mascot
1277.6519	1277.676	0.0241	19	48	59	EVIMRTGGATDK					Mascot
1307.7206	1307.677	-0.0436	-33	435	445	IIDLFTDSKQK					Mascot
1335.6361	1335.7087	0.0726	54	690	700	ECPLQGFDTLR			Carbamidomethyl (C)[2]		Mascot
1486.7094	1486.861	0.1516	102	579	592	ETLGAVCESYSSIK					Mascot
1826.0493	1826.0291	-0.0202	-11	283	299	EAGNINQSLLTLGRVIK					Mascot
2398.1553	2398.2466	0.0913	38	579	601	ETLGAVCESYSSIKGAVG EGVER			Carbamidomethyl (C)[7]		Mascot
3052.4463	3052.4548	0.0085	3	83	110	SVVCPILDEVIMGYNCTIF AYGQTGTGK			Carbamidomethyl (C)[4], Oxidation (M)[12]		Mascot
3408.489	3408.6541	0.1651	48	672	700	TDMMTFFDAYTESLASM RECPLQGFDTLR			Oxidation (M)[3,4]		Mascot

40 17-beta hydroxysteroid dehydrogenase type 3 [Danio rerio] gi|45356824 33995.9 8.93 7 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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				Seq.	Seq.	Score				
41	titin a [Danio rerio]	943.4158	943.5347	0.1189	126	162	168	SMVKMCR	Carbamidomethyl (C)[6], Oxidation (M)[2,5]	Mascot
		943.4158	943.5347	0.1189	126	162	168	SMVKMCR	Carbamidomethyl (C)[6], Oxidation (M)[2,5]	Mascot
		1249.7258	1249.6309	-0.0949	-76	23	33	IASLIMMLITK	Oxidation (M)[6]	Mascot
		1249.7258	1249.6309	-0.0949	-76	23	33	IASLIMMLITK	Oxidation (M)[6]	Mascot
		1313.7899	1313.713	-0.0769	-59	179	191	RGVILNVSSGIAK		Mascot
		1625.839	1625.7488	-0.0902	-55	152	165	IYDIVNCNVKSMVK		Mascot
		2180.0981	2180.1167	0.0186	9	49	69	WAVITGGSDGIGRAYAEE LSK		Mascot
		2384.2966	2383.9565	-0.3401	-143	1	22	MTLTEIIFVLGTCAILVFG GK	Carbamidomethyl (C)[14]	Mascot
		2423.2122	2423.0903	-0.1219	-50	142	161	LLETSDLEERIYDIVNCNV K	Carbamidomethyl (C)[17]	Mascot
					gi 110005909	3646149.2	6.18	70	32	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.4141	801.3992	-0.0149	-19	9160	9166	EFPPSPK					Mascot
842.5094	842.5084	-0.001	-1	15232	15239	LSIPGVTR					Mascot
850.5396	850.5432	0.0036	4	17926	17932	FLLTKTK					Mascot
882.4679	882.5674	0.0995	113	2876	2882	YKVSTER					Mascot
943.5107	943.5347	0.024	25	9616	9622	EKVFHQR	14	0			Mascot
943.5359	943.5347	-0.0012	-1	32548	32556	VTAFVAAHK					Mascot
957.504	957.5016	-0.0024	-3	8631	8638	KDVYFSAK					Mascot
996.591	996.5983	0.0073	7	9064	9072	MKAVPLPPK			Oxidation (M)[1]		Mascot
1002.5189	1002.5018	-0.0171	-17	24279	24286	LPDGRWMK					Mascot
1036.488	1036.4905	0.0025	2	15834	15841	ETWKQCNK					Mascot
1036.5322	1036.4905	-0.0417	-40	7927	7934	TQWFRNGK					Mascot
1045.5347	1045.5654	0.0307	29	7144	7153	CQIGGTPEIK					Mascot
1051.6259	1051.712	0.0861	82	32375	32384	SPIASPPRVK					Mascot
1165.6211	1165.7457	0.1246	107	28447	28457	VSAENKFGVSK					Mascot
1179.6078	1179.6025	-0.0053	-4	28311	28319	VTWKLEEMK			Oxidation (M)[8]		Mascot
1198.6136	1198.6265	0.0129	11	31541	31550	TLKMAQEFSK			Oxidation (M)[4]		Mascot
1202.5179	1202.5201	0.0022	2	12045	12054	KYDMVADGCK			Carbamidomethyl (C)[9], Oxidation (M)[4]		Mascot
1232.6157	1232.6257	0.01	8	8021	8030	DTWELKESPK					Mascot
1249.6536	1249.6309	-0.0227	-18	31164	31174	KEWSTVVSSAR					Mascot
1249.6635	1249.6309	-0.0326	-26	7813	7823	DITDQTTTVKK					Mascot
1277.7688	1277.676	-0.0928	-73	16200	16211	EKIVVHAGGVIR					Mascot

1307.6842	1307.677	-0.0072	-6	6703	6713	ITFENNEVTLK			Mascot
1313.6406	1313.713	0.0724	55	7185	7196	VAKSDIGEYTK			Mascot
1335.6208	1335.7087	0.0879	66	18202	18212	DKVEMEGEQVR	Oxidation (M)[5]		Mascot
1344.61	1344.6594	0.0494	37	7474	7485	SQLSDSGTYVCK	Carbamidomethyl (C)[11]		Mascot
1358.7321	1358.7645	0.0324	24	18543	18555	VAARNAIGCSLAR	Carbamidomethyl (C)[9]		Mascot
1359.658	1359.6578	-0.0002	0	30521	30531	GLLEGFEYEFR			Mascot
1359.6799	1359.6578	-0.0221	-16	7171	7181	MEFFKGIACLK	Carbamidomethyl (C)[9], Oxidation (M)[1]		Mascot
1475.7601	1475.7573	-0.0028	-2	30138	30150	VFAENETGLSRPR			Mascot
1486.7571	1486.861	0.1039	70	12056	12068	KLVIHDCTLDDSK			Mascot
1557.743	1557.8682	0.1252	80	20269	20281	VSGLSEEIEYFR			Mascot
1564.8481	1564.835	-0.0131	-8	27353	27365	IPNLVKGTEYQFR			Mascot
1579.7897	1579.7408	-0.0489	-31	11668	11681	LHPSKVVMHSEDGK	Oxidation (M)[9]		Mascot
1579.7897	1579.7408	-0.0489	-31	11668	11681	LHPSKVVMHSEDGK	Oxidation (M)[9]		Mascot
1625.7554	1625.7488	-0.0066	-4	32067	32079	HEVSSFEEKYESQR			Mascot
1635.8312	1635.8325	0.0013	1	21208	21222	CVLSWLPLHDGGGK	Carbamidomethyl (C)[1]		Mascot
1638.9061	1638.8582	-0.0479	-29	7730	7743	DIDIVELLRNVDPK			Mascot
1639.7849	1639.8168	0.0319	19	4519	4532	EGYPVFENSLEDIK			Mascot
1646.9324	1646.8633	-0.0691	-42	19700	19714	ISVESTTTNTVLLIR			Mascot
1653.8707	1653.8911	0.0204	12	9667	9680	VHFLAKQNEEVSPR			Mascot
1672.8441	1672.8354	-0.0087	-5	14259	14271	DLIQNGEYYFRVR			Mascot
1708.8608	1708.8048	-0.056	-33	4391	4405	ASTKEMLSPVEMVR	Oxidation (M)[6,13]		Mascot
1710.8037	1710.8059	0.0022	1	6852	6866	DTQSIVGKSMELDCK	Carbamidomethyl (C)[14]		Mascot
1727.7839	1727.8151	0.0312	18	18707	18721	GDWVTAVSCTKTSCR	Carbamidomethyl (C)[9,14]		Mascot
1825.9918	1826.0291	0.0373	20	3610	3624	QVSVFHKQQLVQEKK			Mascot
1851.9191	1851.9321	0.013	7	11733	11749	DEVVLMCEVSKSSAQVK			Mascot
1873.9655	1873.9421	-0.0234	-12	9520	9535	EVLITIEQNNNTFPK			Mascot
1894.9116	1894.965	0.0534	28	19811	19826	LHDGTEYIFRVCAENK			Mascot
1896.0226	1895.9883	-0.0343	-18	28077	28094	VLDTPGPPGPLSKDVTR			Mascot
1916.9998	1916.9828	-0.017	-9	4474	4491	SATSMTSELVLGPLPIER	Oxidation (M)[5]		Mascot
1926.9225	1926.9353	0.0128	7	26393	26410	SSDPVLAIACEPPNSVR	2 0 Carbamidomethyl (C)[11]		Mascot
1926.9412	1926.9353	-0.0059	-3	29740	29759	VMACNAGGAGEPAEIPG VVK	Carbamidomethyl (C)[4]		Mascot
1994.0117	1993.9792	-0.0325	-16	9143	9158	NIYLPYQEEDEIVLQK			Mascot
2176.1384	2176.1582	0.0198	9	27586	27604	DESVIPQIEFAEKSLLTIK			Mascot
2180.1016	2180.1167	0.0151	7	26246	26265	ETTTANWIEVSSAVARCT IK			Mascot
2211.1438	2211.115	-0.0288	-13	6982	7001	SCEIALRGDTAILELHNID K			Mascot
2225.0801	2225.1274	0.0473	21	488	506	IRKPMHVEGAQMEEED			Mascot

2225.1382	2225.1274	-0.0108	-5	29539	29559	VR VAATNRFGIGGFLQSEVV ECK						Mascot
2232.9575	2233.0911	0.1336	60	1525	1542	MINEFGYCSLDYEVAYSR				Carbamidomethyl (C)[8], Oxidation (M)[1]		Mascot
2283.1899	2283.1855	-0.0044	-2	3763	3783	EHPSQVMSALTESVTPLT IVK				Oxidation (M)[7]		Mascot
2284.1819	2284.1831	0.0012	1	21598	21618	EITKDSVSLIWDPPVIDGG SR						Mascot
2289.1279	2289.1335	0.0056	2	15962	15983	DDSAMYTLTATNSLGTAT KSIK						Mascot
2289.1279	2289.1335	0.0056	2	15962	15983	DDSAMYTLTATNSLGTAT KSIK						Mascot
2305.1228	2305.1479	0.0251	11	15962	15983	DDSAMYTLTATNSLGTAT KSIK				Oxidation (M)[5]		Mascot
2384.0129	2383.9565	-0.0564	-24	30220	30239	NHLSVMTDEQEDEGLY TCR				Carbamidomethyl (C)[19]		Mascot
2398.2036	2398.2466	0.043	18	4922	4942	GSPELHVTFWFLNDKPLN SSEK						Mascot
2423.1733	2423.0903	-0.083	-34	20947	20968	AVVVGNMFKSSGLMDGI AYEFR				Oxidation (M)[7, 14]		Mascot
2705.2585	2705.1721	-0.0864	-32	11239	11261	HMLVINHCFEDEGEYTI EVLGK						Mascot
2950.4639	2950.4238	-0.0401	-14	22615	22641	TEGEINEAAQIDITSSFTS LVIENVNR						Mascot
2950.6248	2950.4238	-0.201	-68	22262	22289	SVIINVKVLDRPGPDGPI SIYGVTSK	0	0				Mascot
3052.4172	3052.4548	0.0376	12	1013	1037	RMAQQTQMMQTFISET EQISAIR				Oxidation (M)[2,8,9]		Mascot
3337.4834	3337.7168	0.2334	70	4869	4900	DTGTYTCTAANEAGSSS CSSSVTVQEPVFK				Carbamidomethyl (C)[7,18]		Mascot
3394.5784	3394.6301	0.0517	15	8926	8954	ESIFSSEFTNETFSHEGL PRELVMAYEK				Oxidation (M)[24]		Mascot
3394.5784	3394.6301	0.0517	15	8926	8954	ESIFSSEFTNETFSHEGL PRELVMAYEK				Oxidation (M)[24]		Mascot
42	hypothetical protein LOC567956 [Danio rerio]			gi 83415148		42398.5	9.28	9	32	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1036.5057	1036.4905	-0.0152	-15	321	328	FNTLEQER					Mascot
1036.5212	1036.4905	-0.0307	-30	302	309	RILCLCCR			Carbamidomethyl (C)[4]		Mascot
1045.5095	1045.5654	0.0559	53	218	226	MSQHTSQVK					Mascot
1198.6613	1198.6265	-0.0348	-29	227	236	HKETVVNLMK					Mascot
1249.6648	1249.6309	-0.0339	-27	331	340	RVQQESYLAR					Mascot
1249.6648	1249.6309	-0.0339	-27	332	341	VQQESYLARR					Mascot
1486.7471	1486.861	0.1139	77	126	137	HQTIFTMQLHSK			Oxidation (M)[7]		Mascot
1926.9628	1926.9353	-0.0275	-14	344	361	DAGAAQENGGRVLQEN K					Mascot
1926.9628	1926.9353	-0.0275	-14	344	361	DAGAAQENGGRVLQEN K					Mascot
3052.4509	3052.4548	0.0039	1	2	27	VCYNNETVVFYSISHKNI SDTWGTK					Mascot

43 1-phosphatidylinositol-3-phosphate 5-kinase [Danio rerio] gi|187937038 236760.3 6.51 22 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.473	842.5084	0.0354	42	63	71	TGANIAPAK					Mascot
943.5029	943.5347	0.0318	34	1716	1723	VPIAVCER			Carbamidomethyl (C)[6]		Mascot
943.5029	943.5347	0.0318	34	1716	1723	VPIAVCER			Carbamidomethyl (C)[6]		Mascot
1002.4122	1002.5018	0.0896	89	365	372	TDHSEEER					Mascot
1179.6805	1179.6025	-0.078	-66	1442	1451	LLEICLPPPK			Carbamidomethyl (C)[5]		Mascot
1198.5812	1198.6265	0.0453	38	1585	1594	HRQPTTDESK					Mascot
1202.59	1202.5201	-0.0699	-58	1239	1249	APIKADSEEDK					Mascot
1277.5732	1277.676	0.1028	80	1707	1715	HYLMYEHER					Mascot
1307.6664	1307.677	0.0106	8	2065	2075	MPTVVSPELYR			Oxidation (M)[1]		Mascot
1344.6615	1344.6594	-0.0021	-2	88	100	SQSASSSPQGPRR					Mascot
1486.7147	1486.861	0.1463	98	1826	1836	IYYAEFHKMR					Mascot
1564.8152	1564.835	0.0198	13	2065	2077	MPTVVSPELYRTR			Oxidation (M)[1]		Mascot
1653.917	1653.8911	-0.0259	-16	73	87	LAKLEEGRPPSVTEK					Mascot
1708.8693	1708.8048	-0.0645	-38	837	850	FYLHSFQLPNSEVK					Mascot
1710.9247	1710.8059	-0.1188	-69	1934	1947	LDLLVMENLFYGRK					Mascot
1825.937	1826.0291	0.0921	50	1137	1151	DYFPEQVYLSPLLNK					Mascot
1851.8557	1851.9321	0.0764	41	2085	2100	YFLMVPDHWGSLGLNC					Mascot
1873.8433	1873.9421	0.0988	53	387	401	KICHNTTGMEFQDHR			Carbamidomethyl (C)[3]		Mascot
1894.8422	1894.965	0.1228	65	681	695	SCDDMDIRQFVHIK			Carbamidomethyl (C)[2], Oxidation (M)[6]		Mascot
2211.1123	2211.115	0.0027	1	851	869	TLMFFEGCPPQLGCTIKL R			Carbamidomethyl (C)[8]		Mascot
2233.1719	2233.0911	-0.0808	-36	1716	1736	VPIAVCEREPSIIAFALS CK					Mascot
2284.1287	2284.1831	0.0544	24	851	869	TLMFFEGCPPQLGCTIKL R			Carbamidomethyl (C)[8,14], Oxidation (M)[3]		Mascot
2289.1431	2289.1335	-0.0096	-4	572	592	MEVLLSEDGGQHISISDA FIK					Mascot
2289.1431	2289.1335	-0.0096	-4	572	592	MEVLLSEDGGQHISISDA FIK					Mascot
2305.1379	2305.1479	0.01	4	572	592	MEVLLSEDGGQHISISDA FIK			Oxidation (M)[1]		Mascot
2383.9087	2383.9565	0.0478	20	172	189	QYWMPDSQCCEKYDCN EK			Carbamidomethyl (C)[9,12]		Mascot

44 PREDICTED: protein FAM13A isoform 1 [Danio rerio] gi|189515024 66495.5 6.03 8 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	943.5319	943.5347	0.0028	3	329	336	QRSNTLPK						Mascot
	943.5319	943.5347	0.0028	3	329	336	QRSNTLPK	10	0				Mascot
	1165.6034	1165.7457	0.1423	122	416	424	QVMKPLYDR			Oxidation (M)[3]			Mascot
	1277.6155	1277.676	0.0605	47	382	392	DMTREQIGAEK						Mascot
	1313.7423	1313.713	-0.0293	-22	386	397	EQIGAEKVAIQK						Mascot
	1344.6404	1344.6594	0.019	14	29	38	HQREQQESFR						Mascot
	1564.79	1564.835	0.045	29	413	424	NERQVMKPLYDR			Oxidation (M)[6]			Mascot
	1710.9272	1710.8059	-0.1213	-71	351	366	APKPPVESTLETVTNK						Mascot
	3408.5669	3408.6541	0.0872	26	211	240	FYGYGDGHQYLDDEVP PSPNAHSFVSRR						Mascot
45	novel protein similar to vertebrate trichorhinophalangeal syndrome I (TRPS1) [Danio rerio]												
	gi 148726496	66303.5	8.32	6	31	0							

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	943.5319	943.5347	0.0028	3	114	121 ERAGEILR					Mascot
	943.5319	943.5347	0.0028	3	114	121 ERAGEILR	19	0			Mascot
	1036.3888	1036.4905	0.1017	98	522	529 MDDPEEER			Oxidation (M)[1]		Mascot
	1036.3888	1036.4905	0.1017	98	522	529 MDDPEEER			Oxidation (M)[1]		Mascot
	1249.6422	1249.6309	-0.0113	-9	170	182 GYLSGTPAGAVEK					Mascot
	1249.6422	1249.6309	-0.0113	-9	170	182 GYLSGTPAGAVEK					Mascot
	1359.705	1359.6578	-0.0472	-35	144	155 EPQTQKGATMLR					Mascot
	1359.705	1359.6578	-0.0472	-35	144	155 EPQTQKGATMLR					Mascot
	1916.8741	1916.9828	0.1087	57	227	243 KNANGGYVCNACGLYQK			Carbamidomethyl (C)[9,12]		Mascot
	1926.9338	1926.9353	0.0015	1	271	287 LNPDPMPSEQVGSKQQR			Oxidation (M)[6]		Mascot
	1926.9338	1926.9353	0.0015	1	271	287 LNPDPMPSEQVGSKQQR			Oxidation (M)[6]		Mascot
46	Si:ch211-175f11.3 protein [Danio rerio]				gil61402751		76132.9	6.83	10	31	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	1002.4713	1002.5018	0.0305	30	472	479 FNNFSVMK			Oxidation (M)[7]		Mascot
	1045.6113	1045.5654	-0.0459	-44	620	628 SSLRQTVVR					Mascot
	1335.6473	1335.7087	0.0614	46	415	427 GGVAGCQKEPFSR					Mascot
	1344.5889	1344.6594	0.0705	52	451	461 FTCDDVDFNLR					Mascot
	1557.6382	1557.8682	0.23	148	20	31 MMTCTEQSLYYR			Oxidation (M)[1,2]		Mascot

	1579.9207	1579.7408	-0.1799	-114	516	529	HVFLATPAQLLLEK							Mascot
	1579.9207	1579.7408	-0.1799	-114	516	529	HVFLATPAQLLLEK							Mascot
	1646.8464	1646.8633	0.0169	10	609	623	GATLCVICPNRSSLR				Carbamidomethyl (C)[5]			Mascot
	1672.8652	1672.8354	-0.0298	-18	624	636	QTVVRLELEDEWR							Mascot
	2211.0308	2211.115	0.0842	38	496	515	MTDVPTTIQPSQYICAPD SK				Oxidation (M)[1]			Mascot
	2950.4219	2950.4238	0.0019	1	384	409	NVSLKQVLQHMESSPDIT QYGLCGMR				Oxidation (M)[11]			Mascot
	2950.4219	2950.4238	0.0019	1	384	409	NVSLKQVLQHMESSPDIT QYGLCGMR				Oxidation (M)[11]			Mascot
47	PREDICTED: hypothetical protein LOC100537298 [Danio rerio]					gi 326667816	6120	8.38	5	31	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1165.5895	1165.7457	0.1562	134	10	18	CLRVNYGQR				Carbamidomethyl (C)[1]		Mascot	
1486.7141	1486.861	0.1469	99	1	12	MAESSIFTRCLR				Carbamidomethyl (C)[10], Oxidation (M)[1]		Mascot	
1635.7726	1635.8325	0.0599	37	38	51	VLSCMHLPTCAIMK				Carbamidomethyl (C)[4], Oxidation (M)[5,13]		Mascot	
1916.9829	1916.9828	-0.0001	0	38	54	VLSCMHLPTCAIMKVTI				Carbamidomethyl (C)[4]		Mascot	
2225.0073	2225.1274	0.1201	54	19	37	CANDCPDVLYNTAEQSL RR				Carbamidomethyl (C)[1]		Mascot	
2225.0073	2225.1274	0.1201	54	19	37	CANDCPDVLYNTAEQSL RR				Carbamidomethyl (C)[1]		Mascot	

48	PREDICTED: hypothetical protein LOC100537480 [Danio rerio]					gi 326665101	105910.1	4.52	1		24	6.466	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
943.5757	943.5347	-0.041	-43	33	41	LLIGCLGVR	24		6.466		3	Mascot	

49	PREDICTED: tubulin polyglutamylase TTLL5-like [Danio rerio]					gi 326675847	75929.5	9.3	1		22	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
943.5934	943.5347	-0.0587	-62	133	140	LLTLEARK	24		0		4	Mascot	

50	Si:dkey-246a16.2 protein [Danio rerio]					gi 171846979	121136.5	8.9	1		21	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
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943.557943.5347-0.0223-24374381LLSVLENR2105 Mascot										
Gel Idx/Pos224/I24		Instr./Gel OriginBA2060/110707A				Process Status		Analysis Succeeded		
Plate [#] Name[1] 31496		Instrument Sample Name				Spectra		11		
Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %	
1	heterogeneous nuclear ribonucleoprotein A/B [Danio rerio]	gi 47086935	34227.3	6.85	10	230	100	184	100	
Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
	807.3478	807.3823	0.0345	43	95	101 ESDSVDR				Mascot
	850.4668	850.5427	0.0759	89	179	185 EEFAVKK				Mascot
	882.454	882.5682	0.1142	129	107	113 EHRLDGR				Mascot
	928.529	928.5276	-0.0014	-2	87	94 GFGFILFK				Mascot
	958.5396	958.5389	-0.0007	-1	171	178 GFVFITFK				Mascot
	1249.6072	1249.6309	0.0237	19	299	309 RGGHQSGYKPY				Mascot
	1533.7795	1533.78	0.0005	0	131	144 IFVGGLNPETTEEK	66	99.994		Mascot
	1533.7795	1533.78	0.0005	0	131	144 IFVGGLNPETTEEK				Mascot
	1661.8937	1661.8954	0.0017	1	171	184 GFVFITFKEEFAVK				Mascot
	2172.0383	2172.05	0.0117	5	147	165 EYFGSFGEIETIELPTDPK				Mascot
	2172.0383	2172.05	0.0117	5	147	165 EYFGSFGEIETIELPTDPK	65	99.992		Mascot
	2441.2234	2441.23	0.0066	3	145	165 IREYFGSFGEIETIELPTD PK				Mascot
	2441.2234	2441.23	0.0066	3	145	165 IREYFGSFGEIETIELPTD PK	53	99.877		Mascot
2	hypothetical protein LOC563390 [Danio rerio]	gi 156739275	38057.1	6.31	10	82	99.973	32	85.139	
Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
	1017.5727	1017.5729	0.0002	0	224	232 ITGFVDIPR				Mascot
	1090.535	1090.5352	0.0002	0	49	56 MIWEENLR				Mascot
	1106.5299	1106.5325	0.0026	2	49	56 MIWEENLR			Oxidation (M)[1]	Mascot
	1234.6249	1234.6785	0.0536	43	49	57 MIWEENLRK			Oxidation (M)[1]	Mascot
	1249.563	1249.6309	0.0679	54	209	218 DDLPCRYDPR				Mascot
	1360.6604	1360.6259	-0.0345	-25	38	48 SYHEDLEVGRR				Mascot
	1498.7173	1498.7189	0.0016	1	196	208 GLDSEQSYPYLAR				Mascot

	1498.7173	1498.7189	0.0016	1	196	208	GLDSEQSYPYLAR	32	85.139			Mascot	
	1638.7073	1638.8595	0.1522	93	321	335	NNHCGIATMASYPLM			Oxidation (M)[9]		Mascot	
	1838.7142	1838.9203	0.2061	112	74	88	MGMNQFGDMTNEEFR			Oxidation (M)[1,3]		Mascot	
	2174.0989	2174.0835	-0.0154	-7	276	296	LDHAVLVVGYGYQGADV AGNR					Mascot	
	2278.0015	2278.0154	0.0139	6	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]		Mascot	
3	hypothetical protein LOC564835 [Danio rerio]					gi 157787177	38057.1	6.2	9	76	99.875	32	85.139

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1017.5727	1017.5729	0.0002	0	224	232	ITGFVDIPR					Mascot
	1090.535	1090.5352	0.0002	0	49	56	MIWEENLR					Mascot
	1106.5299	1106.5325	0.0026	2	49	56	MIWEENLR			Oxidation (M)[1]		Mascot
	1234.6249	1234.6785	0.0536	43	49	57	MIWEENLRK			Oxidation (M)[1]		Mascot
	1249.563	1249.6309	0.0679	54	209	218	DDLPCRYDPR					Mascot
	1498.7173	1498.7189	0.0016	1	196	208	GLDSEQSYPYLAR					Mascot
	1498.7173	1498.7189	0.0016	1	196	208	GLDSEQSYPYLAR	32	85.139			Mascot
	1638.7073	1638.8595	0.1522	93	322	336	NNHCGIATMASYPLM			Oxidation (M)[9]		Mascot
	1838.7142	1838.9203	0.2061	112	74	88	MGMNQFGDMTNEEFR			Oxidation (M)[1,3]		Mascot
	2174.0989	2174.0835	-0.0154	-7	277	297	LDHAVLVVGYGYQGADV AGNR					Mascot
	2278.0015	2278.0154	0.0139	6	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]		Mascot

4	hypothetical protein LOC564906 [Danio rerio]					gi 156739281	38003.1	6.31	9	74	99.827	32	85.139
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1017.5727	1017.5729	0.0002	0	224	232	ITGFVDIPR					Mascot
	1090.535	1090.5352	0.0002	0	49	56	MIWEENLR					Mascot
	1106.5299	1106.5325	0.0026	2	49	56	MIWEENLR			Oxidation (M)[1]		Mascot
	1234.6249	1234.6785	0.0536	43	49	57	MIWEENLRK			Oxidation (M)[1]		Mascot
	1249.563	1249.6309	0.0679	54	209	218	DDLPCRYDPR					Mascot
	1498.7173	1498.7189	0.0016	1	196	208	GLDSEQSYPYLAR					Mascot
	1498.7173	1498.7189	0.0016	1	196	208	GLDSEQSYPYLAR	32	85.139			Mascot
	1638.7073	1638.8595	0.1522	93	321	335	NNHCGIATMASYPLM			Oxidation (M)[9]		Mascot
	1838.7142	1838.9203	0.2061	112	74	88	MGMNQFGDMTNEEFR			Oxidation (M)[1,3]		Mascot
	2174.0989	2174.0835	-0.0154	-7	276	296	LDHAVLVVGYGYQGADV					Mascot

	2278.0015	2278.0154	0.0139	6	135	154	AGNR QCGSCWSFSSTGALEG QLFR					Carbamidomethyl (C)[2,5]	Mascot
5	hypothetical protein LOC569326 [Danio rerio]				gi 156739289	37972.2	6.45	9	73	99.772	32	85.139	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1017.5727	1017.5729	0.0002	0	224	232	ITGFVDIPR					Mascot
1090.535	1090.5352	0.0002	0	49	56	MIWEENLR					Mascot
1106.5299	1106.5325	0.0026	2	49	56	MIWEENLR			Oxidation (M)[1]		Mascot
1234.6249	1234.6785	0.0536	43	49	57	MIWEENLRK			Oxidation (M)[1]		Mascot
1249.563	1249.6309	0.0679	54	209	218	DDLPCRYDPR					Mascot
1498.7173	1498.7189	0.0016	1	196	208	GLDSEQSYPYLAR					Mascot
1498.7173	1498.7189	0.0016	1	196	208	GLDSEQSYPYLAR	32	85.139			Mascot
1638.7073	1638.8595	0.1522	93	321	335	NNHCGIATMASYPLM			Oxidation (M)[9]		Mascot
1838.7142	1838.9203	0.2061	112	74	88	MGMNQFGDMTNEEFR			Oxidation (M)[1,3]		Mascot
2174.0989	2174.0835	-0.0154	-7	276	296	LDHAVLVVGYGYQGADV					Mascot
						AGNR					Mascot
2278.0015	2278.0154	0.0139	6	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]		Mascot

6	hypothetical protein LOC564979 [Danio rerio]				gi 157311713	38002.1	6.31	8	68	99.244	32	85.139	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1017.5727	1017.5729	0.0002	0	224	232	ITGFVDIPR					Mascot
1090.535	1090.5352	0.0002	0	49	56	MIWEENLR					Mascot
1106.5299	1106.5325	0.0026	2	49	56	MIWEENLR			Oxidation (M)[1]		Mascot
1234.6249	1234.6785	0.0536	43	49	57	MIWEENLRK			Oxidation (M)[1]		Mascot
1249.563	1249.6309	0.0679	54	209	218	DDLPCRYDPR					Mascot
1498.7173	1498.7189	0.0016	1	196	208	GLDSEQSYPYLAR					Mascot
1498.7173	1498.7189	0.0016	1	196	208	GLDSEQSYPYLAR	32	85.139			Mascot
1838.7142	1838.9203	0.2061	112	74	88	MGMNQFGDMTNEEFR			Oxidation (M)[1,3]		Mascot
2174.0989	2174.0835	-0.0154	-7	277	297	LDHAVLVVGYGYQGADV					Mascot
						AGNR					Mascot
2278.0015	2278.0154	0.0139	6	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]		Mascot

7	PREDICTED: cathepsin L1-like [Danio rerio]				gi 326672297	38038.1	6.25	8	68	99.227	32	85.139	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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		Seq.		Seq.		Score					
	1090.535	1090.5352	0.0002	0	49	56	MIWEENLR				Mascot
	1106.5299	1106.5325	0.0026	2	49	56	MIWEENLR		Oxidation (M)[1]		Mascot
	1234.6249	1234.6785	0.0536	43	49	57	MIWEENLRK		Oxidation (M)[1]		Mascot
	1249.563	1249.6309	0.0679	54	209	218	DDLPCRYDPR				Mascot
	1498.7173	1498.7189	0.0016	1	196	208	GLDSEQSYPYLAR				Mascot
	1498.7173	1498.7189	0.0016	1	196	208	GLDSEQSYPYLAR	32	85.139		Mascot
	1638.7073	1638.8595	0.1522	93	322	336	NNHCGIATMASYPLM		Oxidation (M)[9]		Mascot
	1838.7142	1838.9203	0.2061	112	74	88	MGMNQFGDMTNEEFR		Oxidation (M)[1,3]		Mascot
	2174.0989	2174.0835	-0.0154	-7	277	297	LDHAVLVVGYGYQGADV AGNR				Mascot
	2278.0015	2278.0154	0.0139	6	135	154	QCGSCWSFSSTGALEG QLFR		Carbamidomethyl (C)[2,5]		Mascot
8	PREDICTED: cathepsin L1-like [Danio rerio]				gi 326672302		37980.1	6.45	8	65 98.593	32 85.139

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1090.535	1090.5352	0.0002	0	49	56 MIWEENLR					Mascot
1106.5299	1106.5325	0.0026	2	49	56 MIWEENLR			Oxidation (M)[1]		Mascot
1234.6249	1234.6785	0.0536	43	49	57 MIWEENLRK			Oxidation (M)[1]		Mascot
1249.563	1249.6309	0.0679	54	209	218 DDLPCRYDPR					Mascot
1498.7173	1498.7189	0.0016	1	196	208 GLDSEQSYPYLAR					Mascot
1498.7173	1498.7189	0.0016	1	196	208 GLDSEQSYPYLAR	32	85.139			Mascot
1638.7073	1638.8595	0.1522	93	321	335 NNHCGIATMASYPLM			Oxidation (M)[9]		Mascot
1838.7142	1838.9203	0.2061	112	74	88 MGMNQFGDMTNEEFR			Oxidation (M)[1,3]		Mascot
2174.0989	2174.0835	-0.0154	-7	276	296 LDHAVLVVGYGYQGADV AGNR					Mascot
2278.0015	2278.0154	0.0139	6	135	154 QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]		Mascot

9 cathepsin L, 1 b [Danio rerio] gi|18858809 38005.1 5.99 7 62 97.498 32 85.139

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1090.535	1090.5352	0.0002	0	49	56 MIWEENLR					Mascot
1106.5299	1106.5325	0.0026	2	49	56 MIWEENLR			Oxidation (M)[1]		Mascot
1234.6249	1234.6785	0.0536	43	49	57 MIWEENLRK			Oxidation (M)[1]		Mascot
1249.563	1249.6309	0.0679	54	209	218 DDLPCRYDPR					Mascot
1498.7173	1498.7189	0.0016	1	196	208 GLDSEQSYPYLAR					Mascot

	1498.7173	1498.7189	0.0016	1	196	208	GLDSEQSYPYLAR	32	85.139		Mascot		
	1838.7142	1838.9203	0.2061	112	74	88	MGMNQFGDMTNEEFR		Oxidation (M)[1,3]		Mascot		
	2174.0989	2174.0835	-0.0154	-7	277	297	LDHAVLVVGYGYQGADV AGNR				Mascot		
	2278.0015	2278.0154	0.0139	6	135	154	QCGSCWSFSSTGALEG QLFR		Carbamidomethyl (C)[2,5]		Mascot		
10	hypothetical protein LOC567623 [Danio rerio]				gi 162138968		37987.1	6.31	7	62	96.991	32	85.139

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1090.535	1090.5352	0.0002	0	49	56	MIWEENLR					Mascot
1106.5299	1106.5325	0.0026	2	49	56	MIWEENLR			Oxidation (M)[1]		Mascot
1234.6249	1234.6785	0.0536	43	49	57	MIWEENLRK			Oxidation (M)[1]		Mascot
1249.563	1249.6309	0.0679	54	209	218	DDLPCRYDPR					Mascot
1498.7173	1498.7189	0.0016	1	196	208	GLDSEQSYPYLAR					Mascot
1498.7173	1498.7189	0.0016	1	196	208	GLDSEQSYPYLAR	32	85.139			Mascot
1838.7142	1838.9203	0.2061	112	74	88	MGMNQFGDMTNEEFR			Oxidation (M)[1,3]		Mascot
2174.0989	2174.0835	-0.0154	-7	277	297	LDHAVLVVGYGYQGADV AGNR					Mascot
2278.0015	2278.0154	0.0139	6	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]		Mascot

11	PREDICTED: cathepsin L1 [Danio rerio]				gi 189525870	38017.2	6.36	7	59	94.65	32	85.139
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1090.535	1090.5352	0.0002	0	49	56	MIWEENLR					Mascot
1106.5299	1106.5325	0.0026	2	49	56	MIWEENLR			Oxidation (M)[1]		Mascot
1234.6249	1234.6785	0.0536	43	49	57	MIWEENLRK			Oxidation (M)[1]		Mascot
1249.563	1249.6309	0.0679	54	209	218	DDLPCRYDPR					Mascot
1498.7173	1498.7189	0.0016	1	196	208	GLDSEQSYPYLAR					Mascot
1498.7173	1498.7189	0.0016	1	196	208	GLDSEQSYPYLAR	32	85.139			Mascot
1638.7073	1638.8595	0.1522	93	321	335	NNHCGIATMASYP LM			Oxidation (M)[9]		Mascot
1838.7142	1838.9203	0.2061	112	74	88	MGMNQFGDMTNEEFR			Oxidation (M)[1,3]		Mascot
2278.0015	2278.0154	0.0139	6	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]		Mascot

12	eukaryotic translation initiation factor 3 subunit G [Danio rerio]				gi 41055906	32790.4	5.84	3	52	72.561	43	98.718
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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														Seq.	Seq.	Score															
														850.5032	850.5427	0.0395	46	241	247	IYLAKDK						Mascot					
														1090.5059	1090.5352	0.0293	27	199	207	GESMQPNRR	Oxidation (M)[4]					Mascot					
														1894.9657	1894.9691	0.0034	2	225	240	ETDLQELFRPFGSISR						Mascot					
														1894.9657	1894.9691	0.0034	2	225	240	ETDLQELFRPFGSISR	43	98.718						Mascot			
13	PREDICTED: regulation of nuclear pre-mRNA domain-containing protein 1A-like [Danio rerio]														gi 326676846		35366.6	8.79	10	52	69.213										
Peptide Information																															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence			Ion Score	C. I.	% Modification	Rank Result Type																	
		928.5686	928.5276	-0.041	-44	268	275	LARVSQVR						Mascot																	
		1081.5571	1081.5571	0	0	291	300	LPNVTGGHMR						Mascot																	
		1106.5728	1106.5325	-0.0403	-36	2	11	SVFSEPALEK						Mascot																	
		1179.5892	1179.6016	0.0124	11	115	124	AVYENDILDK						Mascot																	
		1234.6677	1234.6785	0.0108	9	2	12	SVFSEPALEKK						Mascot																	
		1381.7031	1381.6804	-0.0227	-16	1	12	MSVFSEPALEKK					Oxidation (M)[1]	Mascot																	
		1493.8335	1493.7352	-0.0983	-66	103	114	HLGRVLSIWQER						Mascot																	
		1895.0385	1894.9691	-0.0694	-37	57	72	LTFLYLANDVIQNSKR						Mascot																	
		1895.0385	1894.9691	-0.0694	-37	57	72	LTFLYLANDVIQNSKR						Mascot																	
		2174.1565	2174.0835	-0.073	-34	242	260	TLAVFLQSQRDGLVQNE QK						Mascot																	
		2300.0977	2300.1838	0.0861	37	291	312	LPNVTGGHMRPSSGDL YSPSD						Mascot																	
14	RecName: Full=Eukaryotic translation initiation factor 3 subunit G; Short=elF3g; AltName: Full=Euka														gi 82236106		32823.4	6.39	4	51	64.652	43	98.718								
Peptide Information																															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence			Ion Score	C. I.	% Modification	Rank Result Type																	
		850.5032	850.5427	0.0395	46	241	247	IYLAKDK						Mascot																	
		1081.5577	1081.5571	-0.0006	-1	254	262	GFAFISFHR						Mascot																	
		1090.5059	1090.5352	0.0293	27	199	207	GESMQPNRR					Oxidation (M)[4]	Mascot																	
		1894.9657	1894.9691	0.0034	2	225	240	ETDLQELFRPFGSISR						Mascot																	
		1894.9657	1894.9691	0.0034	2	225	240	ETDLQELFRPFGSISR			43	98.718	Mascot																		
15	PREDICTED: girdin [Danio rerio]														gi 292621031		111560.2	5.43	16	48	22.666										
Peptide Information																															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence			Ion Score	C. I.	% Modification	Rank Result Type																	

	807.3777	807.3823	0.0046	6	251	256	EREMAR		Oxidation (M)[4]	Mascot	
	1045.5636	1045.5651	0.0015	1	97	106	AAESLAEARK			Mascot	
	1090.5123	1090.5352	0.0229	21	326	335	DLANESAQSR			Mascot	
	1150.5343	1150.5852	0.0509	44	285	293	MCQDLAQLR		Carbamidomethyl (C)[2], Oxidation (M)[1]	Mascot	
	1234.6321	1234.6785	0.0464	38	353	362	TRLQMASQQR		Oxidation (M)[5]	Mascot	
	1249.614	1249.6309	0.0169	14	284	293	RMCQDLAQLR		Oxidation (M)[2]	Mascot	
	1311.5885	1311.5803	-0.0082	-6	294	304	ESCAQFEELQK			Mascot	
	1320.5848	1320.5875	0.0027	2	234	244	EACQAELESQR		Carbamidomethyl (C)[3]	Mascot	
	1321.6132	1321.6364	0.0232	18	896	908	GGVSQSFSFGDQR			Mascot	
	1360.6815	1360.6259	-0.0556	-41	207	219	ESGVEAESLARGR			Mascot	
	1381.776	1381.6804	-0.0956	-69	779	791	VLEPALPAMSPLK		Oxidation (M)[9]	Mascot	
	1493.7264	1493.7352	0.0088	6	733	745	ENKALMESSLESR			Mascot	
	1533.7941	1533.78	-0.0141	-9	106	118	KQIEVLQGESMQK		Oxidation (M)[11]	Mascot	
	1533.7941	1533.78	-0.0141	-9	106	118	KQIEVLQGESMQK		Oxidation (M)[11]	Mascot	
	2172.1555	2172.05	-0.1055	-49	773	791	IMDQYRVLEPALPAMSPL K			Mascot	
	2172.1555	2172.05	-0.1055	-49	773	791	IMDQYRVLEPALPAMSPL K			Mascot	
	2298.1506	2298.1975	0.0469	20	355	375	LQMASQQRSTPEVALSP PDSR			Mascot	
	2299.9949	2300.1838	0.1889	82	961	981	VSSGTEDFHSSFDKPQD SDSK			Mascot	
16	Replication factor C (activator 1) 3 [Danio rerio]				gi 156230598		40370	8.72	12	47	13.23

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result	Type
1081.5381	1081.5571	0.019	18	161	170	LILCCNSTSK			Mascot	
1179.6984	1179.6016	-0.0968	-82	203	213	EGLLLPPELAK			Mascot	
1234.679	1234.6785	-0.0005	0	58	68	ELYGAGVEKLR			Mascot	
1249.5374	1249.6309	0.0935	75	151	160	TMEKYMATCR	Oxidation (M)[2]		Mascot	
1267.5956	1267.5594	-0.0362	-29	225	234	KALLMCEACR	Carbamidomethyl (C)[6,9], Oxidation (M)[5]		Mascot	
1381.5439	1381.6804	0.1365	99	346	356	FMEDGLDNFMF	Oxidation (M)[2]		Mascot	
1493.6439	1493.7352	0.0913	61	345	356	KFMEDGLDNFMF			Mascot	
1915.0067	1914.8812	-0.1255	-66	278	293	LYELLTHCIPPEVIMK	Oxidation (M)[15]		Mascot	
1993.8962	1993.9805	0.0843	42	155	170	YMATCRILCCNSTSK	Carbamidomethyl (C)[5,10,11], Oxidation (M)[2]		Mascot	
1993.8962	1993.9805	0.0843	42	155	170	YMATCRILCCNSTSK	Carbamidomethyl (C)[5,10,11], Oxidation (M)[2]		Mascot	
2115.0935	2115.0432	-0.0503	-24	184	202	VPLPSVEEVCSVLGVC RK	Carbamidomethyl (C)[10,17]		Mascot	

	2172.0906	2172.05	-0.0406	-19	28	48	NLVQCGDFPHLLVYGPS GAGK										Mascot
	2172.0906	2172.05	-0.0406	-19	28	48	NLVQCGDFPHLLVYGPS GAGK										Mascot
	2300.1855	2300.1838	-0.0017	-1	28	49	NLVQCGDFPHLLVYGPS GAGKK										Mascot
17	PREDICTED: centrosomal protein of 170 kDa [Danio rerio]					gi 326668423	145558.9	7.62	18	46	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.4489	996.5975	0.1486	149	638	646	VSAMACTEK			Carbamidomethyl (C)[6]		Mascot
1081.5889	1081.5571	-0.0318	-29	115	123	YTSQLQLTK					Mascot
1090.531	1090.5352	0.0042	4	1301	1309	SQNEILACR			Carbamidomethyl (C)[8]		Mascot
1150.5698	1150.5852	0.0154	13	966	976	SDSEATSGKIR					Mascot
1267.5769	1267.5594	-0.0175	-14	638	648	VSAMACTEKDR			Carbamidomethyl (C)[6]		Mascot
1320.6793	1320.5875	-0.0918	-70	486	497	VFGVEDNQALTK					Mascot
1373.7495	1373.71	-0.0395	-29	994	1007	STGVSTTAAPRAR					Mascot
1434.7183	1434.7721	0.0538	37	860	873	GQNISKAEQTSGK					Mascot
1475.7853	1475.757	-0.0283	-19	112	123	HEKYTSQLQLTK					Mascot
1638.7462	1638.8595	0.1133	69	28	41	DDCELMLQSRVSDK					Mascot
1838.9242	1838.9203	-0.0039	-2	139	156	GAEGGKETEVSRPAPK					Mascot
1950.9714	1951.0182	0.0468	24	1018	1035	CPGTLHVQSTPAAGGRWR			Carbamidomethyl (C)[1]		Mascot
2066.0044	2066.0806	0.0762	37	923	943	MSVASEASTASSASRPSAGRR					Mascot
2096.1274	2096.0588	-0.0686	-33	1321	1339	TDLLPTVYTDILHGIPEAK					Mascot
2114.9668	2115.0432	0.0764	36	21	37	EMIFVGRDDCELMLQSR			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
2173.9592	2174.0835	0.1243	57	360	379	HEDGTQSDTENALGEQLSSR					Mascot
2441.1865	2441.23	0.0435	18	584	605	TLPQLPSEDSTMDPLAPEVTQR			Oxidation (M)[12]		Mascot
2441.1865	2441.23	0.0435	18	584	605	TLPQLPSEDSTMDPLAPEVTQR			Oxidation (M)[12]		Mascot
2872.6479	2872.4014	-0.2465	-86	879	905	TSVTPAAPTSPKPTTLPRRPTRASILR					Mascot

18	PREDICTED: protein NLRC3 isoform 2 [Danio rerio]					gi 326667051	87403.4	6.43	13	42	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.4909	807.3823	-0.1086	-134	112	117	MIRFLK					Mascot
1017.5799	1017.5729	-0.007	-7	326	334	GLNLTRSTR					Mascot

	1045.5272	1045.5651	0.0379	36	651	659	GLLTQQDDR													Mascot
	1234.7041	1234.6785	-0.0256	-21	664	673	EEIIAYIKQK													Mascot
	1277.7212	1277.6429	-0.0783	-61	636	646	FLLSLSLQSNR													Mascot
	1277.7212	1277.6429	-0.0783	-61	636	646	FLLSLSLQSNR													Mascot
	1498.7166	1498.7189	0.0023	2	54	68	SGSCVSSSVSLKSDR													Mascot
	1498.7166	1498.7189	0.0023	2	54	68	SGSCVSSSVSLKSDR													Mascot
	1533.7769	1533.78	0.0031	2	469	481	HRTHAETLQESPK													Mascot
	1533.7906	1533.78	-0.0106	-7	126	137	ILQEENREEFVK													Mascot
	2066.1758	2066.0806	-0.0952	-46	378	397	GNLLPSALIWITSRPAAAS K													Mascot
	2211.2092	2211.113	-0.0962	-44	144	162	SIITEAALDLTLFFLREMK													Mascot
	2298.1812	2298.1975	0.0163	7	482	499	TLTQMYTHFLRFQIQSR													Mascot
	2367.1028	2367.2705	0.1677	71	542	562	DCGIDVYKASVYSGMCT QILK													Mascot
	2632.3188	2632.3059	-0.0129	-5	471	492	THAETLQESPKTLTQMYT HFLR													Mascot
19	PREDICTED: myomesin-2 [Danio rerio]				gi 326671673		164417.3	8.26	18	42	0									

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3842	807.3823	-0.0019	-2	912	918	EVTSSSR					Mascot
842.3899	842.5108	0.1209	144	1212	1217	LQCYMK			Carbamidomethyl (C)[3]		Mascot
1017.5727	1017.5729	0.0002	0	121	129	APDFLVSLR					Mascot
1076.5591	1076.6115	0.0524	49	103	111	EVKGMMPLR			Oxidation (M)[5]		Mascot
1081.516	1081.5571	0.0411	38	312	320	DDEGLYTLR					Mascot
1124.5769	1124.5308	-0.0461	-41	967	975	MLDLSYNIR					Mascot
1249.6212	1249.6309	0.0097	8	588	598	TSAFVQWDAPK					Mascot
1299.7056	1299.6233	-0.0823	-63	927	937	HSKLTFFVNPEK					Mascot
1311.7056	1311.5803	-0.1253	-96	130	140	SHTVWEKTPVK					Mascot
1493.6802	1493.7352	0.055	37	57	68	ERAPEGMQEYQR					Mascot
1707.8853	1707.7977	-0.0876	-51	631	645	FVVHGLTPGDTYVFR					Mascot
1915.0721	1914.8812	-0.1909	-100	137	154	TPVKLFCTVSGQPTPIVK					Mascot
1950.9668	1951.0182	0.0514	26	713	730	EAGSVDWKEVSPSPAVH R					Mascot
1994.0382	1993.9805	-0.0577	-29	321	337	IWTKDGTVEHSAYLFVK					Mascot
1994.0382	1993.9805	-0.0577	-29	321	337	IWTKDGTVEHSAYLFVK					Mascot
2095.9355	2096.0588	0.1233	59	1278	1295	NFDLSGQAYTDAYAEFQ R					Mascot
2278.1326	2278.0154	-0.1172	-51	502	520	APVWYLIEKCVGDSDIW QR					Mascot
2284.0229	2284.1812	0.1583	69	1240	1259	MRIGGTSEMAWMQICEP					Mascot

	2298.103	2298.1975	0.0945	41	187	209	TDK CAVSDSGVYSAVATNPQ GKATSK				Carbamidomethyl (C)[1]	Mascot
	2300.0178	2300.1838	0.166	72	1240	1259	MRIGGTSEMAWMQICEP TDK				Oxidation (M)[1]	Mascot
20	28S ribosomal protein S6, mitochondrial [Danio rerio]				gi 113671790	13389	9.39	7	41	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4478	842.5108	0.063	75	51	57	ISKHDSR					Mascot
1045.5636	1045.5651	0.0015	1	38	46	SLENLGERK					Mascot
1150.6215	1150.5852	-0.0363	-32	24	32	RTVETLFER					Mascot
1179.5245	1179.6016	0.0771	65	103	113	GQCCGVAREEK					Mascot
1311.7129	1311.5803	-0.1326	-101	2	11	PRYELVMVLK					Mascot
1498.827	1498.7189	-0.1081	-72	12	24	AMQRPETA AVLRR					Mascot
1498.827	1498.7189	-0.1081	-72	12	24	AMQRPETA AVLRR					Mascot
1533.7148	1533.78	0.0652	43	97	110	DTELPKGQCCGVAR			Carbamidomethyl (C)[9]		Mascot
1533.7148	1533.78	0.0652	43	97	110	DTELPKGQCCGVAR			Carbamidomethyl (C)[9]		Mascot

21	Zgc:175202 protein [Danio rerio]				gi 166796345	111533.3	5.46	15	40	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3777	807.3823	0.0046	6	251	256	EREMAR			Oxidation (M)[4]		Mascot
1045.5636	1045.5651	0.0015	1	97	106	AAESLAEARK					Mascot
1090.5123	1090.5352	0.0229	21	326	335	DLANESAQSR					Mascot
1150.5343	1150.5852	0.0509	44	285	293	MCQDLAQLR			Carbamidomethyl (C)[2], Oxidation (M)[1]		Mascot
1234.6321	1234.6785	0.0464	38	353	362	TRLQMASQQR			Oxidation (M)[5]		Mascot
1249.614	1249.6309	0.0169	14	284	293	RMCQDLAQLR			Oxidation (M)[2]		Mascot
1311.5885	1311.5803	-0.0082	-6	294	304	ESCAQFEELQK					Mascot
1320.5848	1320.5875	0.0027	2	234	244	EACQAELESQR			Carbamidomethyl (C)[3]		Mascot
1321.6132	1321.6364	0.0232	18	896	908	GGVSQSFS PGDQR					Mascot
1360.6815	1360.6259	-0.0556	-41	207	219	ESGVEAESLARGR					Mascot
1381.776	1381.6804	-0.0956	-69	779	791	VLEPALPAM SPLK			Oxidation (M)[9]		Mascot
1493.7264	1493.7352	0.0088	6	733	745	ENKALMESSLESR					Mascot
1533.7941	1533.78	-0.0141	-9	106	118	KQIEVLQGESMQK			Oxidation (M)[11]		Mascot
1533.7941	1533.78	-0.0141	-9	106	118	KQIEVLQGESMQK			Oxidation (M)[11]		Mascot
2172.1555	2172.05	-0.1055	-49	773	791	IMDQYRVLEPALPAM SPL K					Mascot

	2172.1555	2172.05	-0.1055	-49	773	791	IMDQYRVLEPALPAMSPL K										Mascot
	2298.1506	2298.1975	0.0469	20	355	375	LQMASQQRSTPEVALSP PDSR										Mascot
22	scinderin like a [Danio rerio]				gi 136255943		79965.8	6.95	12	40	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1249.6211	1249.6309	0.0098	8	581	592	EPAAFWSSLGGK					Mascot
1267.6715	1267.5594	-0.1121	-88	301	311	SAMKVAEQFIK			Oxidation (M)[3]		Mascot
1357.6971	1357.7174	0.0203	15	391	401	VQVWRVEGNDR					Mascot
1360.6526	1360.6259	-0.0267	-20	457	469	LDDSMGGAPVQVR			Oxidation (M)[5]		Mascot
1713.8363	1713.8348	-0.0015	-1	564	580	YVCSILGGSATEISEGK					Mascot
1713.8363	1713.8348	-0.0015	-1	564	580	YVCSILGGSATEISEGK					Mascot
2114.9607	2115.0432	0.0825	39	689	706	QGFEPPTSFTGWFAQWD SK					Mascot
2174.1128	2174.0835	-0.0293	-13	92	110	EVQNNESVTFLGYFKTGI K					Mascot
2194.0332	2194.0479	0.0147	7	267	285	QELLNPSCYILDNGLDS K			Carbamidomethyl (C)[9]		Mascot
2233.1533	2233.0898	-0.0635	-28	522	541	AVEVEPCASKLNTNDVFV LK			Carbamidomethyl (C)[7]		Mascot
2283.0823	2283.1787	0.0964	42	111	131	YKQGGVSSGFNHVVSNE MNTK					Mascot
2283.0823	2283.1787	0.0964	42	111	131	YKQGGVSSGFNHVVSNE MNTK					Mascot
2298.199	2298.1975	-0.0015	-1	532	550	LNTNDVFVLKFPEGMFL WK					Mascot
2367.1689	2367.2705	0.1016	43	542	563	FPEGMFLWKGVGASEEE IAAAK					Mascot

23	PREDICTED: protein NLRC3 isoform 1 [Danio rerio]				gi 326667049		94863	6.12	13	39	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4909	807.3823	-0.1086	-134	121	126	MIRFLK					Mascot
1017.5799	1017.5729	-0.007	-7	335	343	GLNLTRSTR					Mascot
1045.5272	1045.5651	0.0379	36	660	668	GLLTQQDDR					Mascot
1234.7041	1234.6785	-0.0256	-21	673	682	EEIIAYIKQK					Mascot
1277.7212	1277.6429	-0.0783	-61	645	655	FLLSLSLQSNR					Mascot
1277.7212	1277.6429	-0.0783	-61	645	655	FLLSLSLQSNR					Mascot
1498.7166	1498.7189	0.0023	2	54	68	SGSCVSSSVSLKSDR					Mascot
1498.7166	1498.7189	0.0023	2	54	68	SGSCVSSSVSLKSDR					Mascot
1533.7769	1533.78	0.0031	2	478	490	HRTHAETLQESPK					Mascot

	1533.7906	1533.78	-0.0106	-7	135	146	ILQEENREEFVK										Mascot
	2066.1758	2066.0806	-0.0952	-46	387	406	GNLLPSALIWITSRPAAAS K										Mascot
	2211.2092	2211.113	-0.0962	-44	153	171	SIITEAALDLTLFFLREMK										Mascot
	2298.1812	2298.1975	0.0163	7	491	508	TLTQMYTHFLRFQIQQSR										Mascot
	2367.1028	2367.2705	0.1677	71	551	571	DCGIDVYKASVYSGMCT QILK						Carbamidomethyl (C)[2], Oxidation (M)[15]				Mascot
	2632.3188	2632.3059	-0.0129	-5	480	501	THAETLQESPKTLTQMYT HFLR										Mascot
24	PREDICTED: hypothetical protein LOC563653 [Danio rerio]					gi 292621547	110431.7	9.74	14	38	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4366	842.5108	0.0742	88	593	599	ENQVPQK					Mascot
1045.5823	1045.5651	-0.0172	-16	247	256	VVSPKMAGTR					Mascot
1106.5762	1106.5325	-0.0437	-39	450	459	LEMLDSALSK					Mascot
1249.6973	1249.6309	-0.0664	-53	349	358	MIYVLQQQVK					Mascot
1299.6149	1299.6233	0.0084	6	3	15	GNNPARSNGGAER					Mascot
1320.6444	1320.5875	-0.0569	-43	912	921	YRENHDAFLR					Mascot
1321.6932	1321.6364	-0.0568	-43	896	907	GVYLTVPASMQR					Mascot
1357.7509	1357.7174	-0.0335	-25	783	794	LQGPTLESMLLR					Mascot
1359.646	1359.6248	-0.0212	-16	321	332	ECVVEALEPNEK					Mascot
1373.7457	1373.71	-0.0357	-26	783	794	LQGPTLESMLLR			Oxidation (M)[9]		Mascot
1493.7893	1493.7352	-0.0541	-36	896	908	GVYLTVPASMQR			Oxidation (M)[10]		Mascot
1582.6472	1582.8323	0.1851	117	795	806	MEEMERDQDEVR			Oxidation (M)[1]		Mascot
1707.9427	1707.7977	-0.145	-85	75	89	TNYSNPVVVIFSLR					Mascot
1895.0093	1894.9691	-0.0402	-21	715	732	IQPLLDQAQRVAGAGSD R					Mascot
1895.0093	1894.9691	-0.0402	-21	715	732	IQPLLDQAQRVAGAGSD R					Mascot
2211.0454	2211.113	0.0676	31	783	800	LQGPTLESMLLRMEEME R			Oxidation (M)[9,13,16]		Mascot

25 novel protein [Danio rerio] gi|148725299 82126.8 6.15 12 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4909	807.3823	-0.1086	-134	61	66	MIRFLK					Mascot
1017.5799	1017.5729	-0.007	-7	275	283	GLNLTRSTR					Mascot
1045.5272	1045.5651	0.0379	36	600	608	GLLTQQDDR					Mascot

	1234.7041	1234.6785	-0.0256	-21	613	622	EEIIAYIKQK										Mascot
	1277.7212	1277.6429	-0.0783	-61	585	595	FLLSLSLQSNR										Mascot
	1277.7212	1277.6429	-0.0783	-61	585	595	FLLSLSLQSNR										Mascot
	1533.7769	1533.78	0.0031	2	418	430	HRTHAETLQESPK										Mascot
	1533.7906	1533.78	-0.0106	-7	75	86	ILQEENREEFVK										Mascot
	2066.1758	2066.0806	-0.0952	-46	327	346	GNLLPSALIWITSRPAAAS K										Mascot
	2211.2092	2211.113	-0.0962	-44	93	111	SIITEAALDLTLFFLREMK										Mascot
	2298.1812	2298.1975	0.0163	7	431	448	TLTQMYTHFLRFQIQQSR										Mascot
	2367.1028	2367.2705	0.1677	71	491	511	DCGIDVYKASVYSGMCT QILK						Carbamidomethyl (C)[2], Oxidation (M)[15]				Mascot
	2632.3188	2632.3059	-0.0129	-5	420	441	THAETLQESPKTLTQMYT HFLR										Mascot
26	PREDICTED: histone-lysine N-methyltransferase SETD1B-like [Danio rerio]				gi 326670190		95032.3	7.4	13	38	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4359	807.3823	-0.0536	-66	654	660	HELPSPK					Mascot
928.4271	928.5276	0.1005	108	390	396	YQNAYNR					Mascot
1045.4329	1045.5651	0.1322	126	118	126	DGFLSEMCK			Oxidation (M)[7]		Mascot
1179.6593	1179.6016	-0.0577	-49	158	168	AANNAVKNLHK					Mascot
1311.5668	1311.5803	0.0135	10	1	11	MCESVEKEGQR			Oxidation (M)[1]		Mascot
1359.6512	1359.6248	-0.0264	-19	366	378	TPGGNSHPSNHVR					Mascot
1360.7947	1360.6259	-0.1688	-124	654	665	HELPSPKKPLSK					Mascot
1381.7362	1381.6804	-0.0558	-40	94	105	LKVDEYYVGAPK					Mascot
1434.6893	1434.7721	0.0828	58	797	811	LGTAGGEGCILDGSK			Carbamidomethyl (C)[9]		Mascot
1475.8215	1475.757	-0.0645	-44	151	164	VVFESVKAANNAVK					Mascot
1915.0422	1914.8812	-0.161	-84	397	410	RPQHRHYIHRPVYR					Mascot
2174.0085	2174.0835	0.075	34	751	767	MIEIMAFKAFDQWWDDK					Mascot
2278.1165	2278.0154	-0.1011	-44	790	811	VMEQSLRLGTAGGEGCI LDSGK			Carbamidomethyl (C)[16]		Mascot

27 DNA repair endonuclease XPF [Danio rerio] gi|41054253 100983.4 6.32 14 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4722	807.3823	-0.0899	-111	146	152	NKTGFIK					Mascot
1017.5033	1017.5729	0.0696	68	609	617	ASMVVPEER					Mascot

	1051.5895	1051.7152	0.1257	120	664	672	SELPSSLHR										Mascot
	1320.639	1320.5875	-0.0515	-39	473	484	LSRVSQDDSDADK										Mascot
	1321.6859	1321.6364	-0.0495	-37	643	654	AGGLEEVKEPHR										Mascot
	1359.6685	1359.6248	-0.0437	-32	609	620	ASMVVPEEREGR										Mascot
	1360.6815	1360.6259	-0.0556	-41	630	642	SQEPASAAATNTRK										Mascot
	1381.7144	1381.6804	-0.034	-25	402	412	TCAQLKEYIQK					Carbamidomethyl (C)[2]					Mascot
	1475.6947	1475.757	0.0623	42	158	170	ATSFSSGFCKVER					Carbamidomethyl (C)[9]					Mascot
	1661.8169	1661.8954	0.0785	47	576	589	VYFLIYGGSTEEQR										Mascot
	2194.1252	2194.0479	-0.0773	-35	771	788	LLWCPSPYVTAEFQELK					Carbamidomethyl (C)[4]					Mascot
	2233.1545	2233.0898	-0.0647	-29	126	143	AHNIIESCQEAFILRLYR					Carbamidomethyl (C)[8]					Mascot
	2283.1802	2283.1787	-0.0015	-1	520	539	EPLTVIHPLKGCSDPYSL TR					Carbamidomethyl (C)[12]					Mascot
	2283.1802	2283.1787	-0.0015	-1	520	539	EPLTVIHPLKGCSDPYSL TR					Carbamidomethyl (C)[12]					Mascot
	2441.1719	2441.23	0.0581	24	233	254	YNPTLEAEDLSLENSLGT AFEK										Mascot
	2441.1719	2441.23	0.0581	24	233	254	YNPTLEAEDLSLENSLGT AFEK										Mascot
28	novel protein similar to vertebrate centrosomal protein 170kDa (CEP170) [Danio rerio]										gi 122890563	140783.3	7.09	16	37	0	

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
996.4489	996.5975	0.1486	149	639	647	VSAMACTEK				Carbamidomethyl (C)[6]		Mascot
1081.5889	1081.5571	-0.0318	-29	115	123	YTSQLQLTK						Mascot
1150.5698	1150.5852	0.0154	13	967	977	SDSEATSGKIR						Mascot
1267.5769	1267.5594	-0.0175	-14	639	649	VSAMACTEKDR				Carbamidomethyl (C)[6]		Mascot
1320.6793	1320.5875	-0.0918	-70	486	497	VFGVEDNQALTK						Mascot
1373.7495	1373.71	-0.0395	-29	995	1008	STGVSTTAAPRAR						Mascot
1434.7183	1434.7721	0.0538	37	861	874	GQNISSKAEQTSGK						Mascot
1475.7853	1475.757	-0.0283	-19	112	123	HEKYTSQLQLTK						Mascot
1638.7462	1638.8595	0.1133	69	28	41	DDCELMQSRSDVK						Mascot
1838.9242	1838.9203	-0.0039	-2	139	156	GAEGGKETEVVPSEPAP K						Mascot
1950.9714	1951.0182	0.0468	24	1019	1036	CPGTLHVQSTPAAGGRW R				Carbamidomethyl (C)[1]		Mascot
2066.0044	2066.0806	0.0762	37	924	944	MSVASEASTASSASRPS AGRR						Mascot
2114.9668	2115.0432	0.0764	36	21	37	EMIFVGRDDCELMQLSR				Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
2173.9592	2174.0835	0.1243	57	360	379	HEDGTQSDTENALGEQL SSR						Mascot
2441.1865	2441.23	0.0435	18	585	606	TLPQLPSEDSTMDPLAPE VTQR				Oxidation (M)[12]		Mascot

	2441.1865	2441.23	0.0435	18	585	606	TLPQLPSEDSTMDPLAPE VTQR						Oxidation (M)[12]	Mascot
	2872.6479	2872.4014	-0.2465	-86	880	906	TSVTPAAPTSPKPTTLPRP RPTRASILR							Mascot
29	PREDICTED: armadillo repeat protein deleted in velo-cardio-facial syndrome-like [Danio rerio]				gi 326670916		96072.9	6.8	14	37	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	807.3777	807.3823	0.0046	6	408	414	NTSGCLR			Carbamidomethyl (C)[5]		Mascot
	1179.5575	1179.6016	0.0441	37	496	505	KDKPDCFGGR			Carbamidomethyl (C)[6]		Mascot
	1249.6028	1249.6309	0.0281	22	454	463	SVENCVCILR			Carbamidomethyl (C)[5,7]		Mascot
	1267.6464	1267.5594	-0.087	-69	621	631	NKDLIGSYAMR					Mascot
	1311.644	1311.5803	-0.0637	-49	313	323	NISFGRDNFNK					Mascot
	1321.6793	1321.6364	-0.0429	-32	307	318	ACGALRNISFGR			Carbamidomethyl (C)[2]		Mascot
	1359.7703	1359.6248	-0.1455	-107	683	694	LVSINRTSQSVR					Mascot
	1373.7324	1373.71	-0.0224	-16	835	845	SWRNGVEIVWK					Mascot
	1381.6528	1381.6804	0.0276	20	497	508	DKPDCFGGRITTK			Carbamidomethyl (C)[5]		Mascot
	1582.7968	1582.8323	0.0355	22	249	262	EVIAMLSHPMDPVK			Oxidation (M)[5]		Mascot
	1707.8812	1707.7977	-0.0835	-49	464	478	NLSYHVVHKEVPGAEEK					Mascot
	2115.0151	2115.0432	0.0281	13	846	862	WTLTLCCFWQSSLLNSR			Carbamidomethyl (C)[6]		Mascot
	2172.0364	2172.05	0.0136	6	846	862	WTLTLCCFWQSSLLNSR			Carbamidomethyl (C)[6,7]		Mascot
	2172.0364	2172.05	0.0136	6	846	862	WTLTLCCFWQSSLLNSR			Carbamidomethyl (C)[6,7]		Mascot
	2194.0994	2194.0479	-0.0515	-23	244	262	DPNLREVIAMLSHPMDPV K			Oxidation (M)[10,15]		Mascot
	2632.3335	2632.3059	-0.0276	-10	623	646	DLIGSYAMRDLVSNLPCG QQRPAK					Mascot

30	muskelin [Danio rerio]				gi 47086651		84322.2	5.91	13	37	0			
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	850.4781	850.5427	0.0646	76	333	339	QIYTLGR					Mascot
	958.5244	958.5389	0.0145	15	9	16	VLSYSVYK					Mascot
	1081.5248	1081.5571	0.0323	30	393	401	HMIYTFGGR					Mascot
	1106.5048	1106.5325	0.0277	25	301	309	ENQWACISR					Mascot
	1234.6249	1234.6785	0.0536	43	70	79	YEKTHVCNLK					Mascot
	1249.5841	1249.6309	0.0468	37	402	413	ILTCNGSVDDGR					Mascot
	1434.7886	1434.7721	-0.0165	-11	617	627	LCRPSKEYLLR			Carbamidomethyl (C)[2]		Mascot
	1582.6699	1582.8323	0.1624	103	380	392	LVFDHQMCMDSK					Mascot

		1707.8887	1707.7977	-0.091	-53	609	622	LDDFWSLKLCRPSK					Mascot
		2194.2278	2194.0479	-0.1799	-82	196	213	IALEHPMLTHLHERLVLR	Oxidation (M)[7]				Mascot
		2225.0947	2225.1265	0.0318	14	702	720	TQLFDTLVNFFPDNMTTP K					Mascot
		2225.0947	2225.1265	0.0318	14	702	720	TQLFDTLVNFFPDNMTTP K					Mascot
		2233.0408	2233.0898	0.049	22	682	701	SSSDFIPLGFSDVDQTYA QR					Mascot
		2298.1626	2298.1975	0.0349	15	226	244	AVRDGLFNQYISQQDYK PR					Mascot
31	PREDICTED: chromodomain-helicase-DNA-binding protein 9-like [Danio rerio]							gi 326669481	278654.9	8.67	24	37	0

	2282.9988	2283.1787	0.1799	79	356	374	AHFFADEDPFNPDYVEV DR							Mascot
	2282.9988	2283.1787	0.1799	79	356	374	AHFFADEDPFNPDYVEV DR							Mascot
	2298.146	2298.1975	0.0515	22	1901	1922	LLDNASTLPEDPSDSPQ GSKVK							Mascot
	2632.2319	2632.3059	0.074	28	1262	1283	SEMPAMWWDMLSDKCL LLGVYK					Oxidation (M)[3]		Mascot

32 PREDICTED: hypothetical protein LOC100537225 [Danio rerio] gi|326677219 17749.8 4.92 6 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1150.6295	1150.5852	-0.0443	-39	107	115	DFFVLPVWK					Mascot
1249.6576	1249.6309	-0.0267	-21	69	78	EEFWSLGLLR					Mascot
1277.6704	1277.6429	-0.0275	-22	91	101	LICEMARQIGK			Oxidation (M)[5]		Mascot
1277.6704	1277.6429	-0.0275	-22	91	101	LICEMARQIGK			Oxidation (M)[5]		Mascot
1321.5333	1321.6364	0.1031	78	79	90	DMDSHIGNACMK					Mascot
1360.6313	1360.6259	-0.0054	-4	24	34	SACEPTKPWER			Carbamidomethyl (C)[3]		Mascot
2210.9482	2211.113	0.1648	75	79	97	DMDSHIGNACMKLICEMA R			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
2283.9646	2284.1812	0.2166	95	79	97	DMDSHIGNACMKLICEMA R			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]		Mascot
2299.9597	2300.1838	0.2241	97	79	97	DMDSHIGNACMKLICEMA R			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]		Mascot

33 prefoldin subunit 6 [Danio rerio] gi|41055782 14481.7 6.62 6 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.4141	807.3823	-0.0318	-39	26	32	SMSARQK					Mascot
958.5567	958.5389	-0.0178	-19	8	15	KLQAELEK					Mascot
996.4778	996.5975	0.1197	120	22	30	DVSKSMSAR			Oxidation (M)[6]		Mascot
1234.6426	1234.6785	0.0359	29	80	89	LEYINGEIQR					Mascot
1311.6614	1311.5803	-0.0811	-62	90	99	YETLLKEMER					Mascot
2233.157	2233.0898	-0.0672	-30	106	125	EVLSSLQQEYQRAQGQA VAK					Mascot

34 PREDICTED: metabotropic glutamate receptor 5-like [Danio rerio] gi|292611331 130054.1 8.37 16 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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807.4215	807.3823	-0.0392	-49	291	297	GILMAMR	Oxidation (M)[4]	Mascot
850.5257	850.5427	0.017	20	270	276	LRSHLPK		Mascot
928.5938	928.5276	-0.0662	-71	675	683	IARILAGSK		Mascot
1051.5684	1051.7152	0.1468	140	950	957	YPVTYRPR		Mascot
1081.4288	1081.5571	0.1283	119	515	523	SVCSDPCEK	Carbamidomethyl (C)[3,7]	Mascot
1124.4711	1124.5308	0.0597	53	134	144	CSTEGGGTPMK	Carbamidomethyl (C)[1]	Mascot
1150.6327	1150.5852	-0.0475	-41	865	874	SSSLANLFRR		Mascot
1234.5555	1234.6785	0.123	100	74	83	VEAMHTLDR	Oxidation (M)[4,5]	Mascot
1359.7015	1359.6248	-0.0767	-56	610	621	FHDTPVVKSSSR		Mascot
1360.6968	1360.6259	-0.0709	-52	767	778	TRNVPANFNEAK		Mascot
1373.6591	1373.71	0.0509	37	851	864	MHVGDGKSASAASR		Mascot
1475.7238	1475.757	0.0332	22	391	402	ESLRHQYAQDTK		Mascot
1661.7622	1661.8954	0.1332	80	239	253	DMAAKEGICIAHSDK	Carbamidomethyl (C)[9], Oxidation (M)[2]	Mascot
1707.9349	1707.7977	-0.1372	-80	655	671	LGIGLSPAMSYSALVTK		Mascot
2233.0417	2233.0898	0.0481	22	279	297	VVACFCEGMTVRGILMA MR	Carbamidomethyl (C)[4,6], Oxidation (M)[9,16]	Mascot
2283.0522	2283.1787	0.1265	55	450	471	TNFGSGVSGEVVLFDENG DSPGR		Mascot
2283.0522	2283.1787	0.1265	55	450	471	TNFGSGVSGEVVLFDENG DSPGR		Mascot

35 PREDICTED: hypothetical protein LOC100003217 [Danio rerio] gi|326678765 31640.9 5.2 8 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4114	842.5108	0.0994	118	78	84	SREAHDK					Mascot
1249.6576	1249.6309	-0.0267	-21	186	195	EEFWSLGLLR					Mascot
1277.6704	1277.6429	-0.0275	-22	208	218	LICEMARQIGK			Oxidation (M)[5]		Mascot
1277.6704	1277.6429	-0.0275	-22	208	218	LICEMARQIGK			Oxidation (M)[5]		Mascot
1321.5333	1321.6364	0.1031	78	196	207	DMDSHIGNACMK					Mascot
1475.7887	1475.757	-0.0317	-21	66	77	TDLLRLSEEMR					Mascot
1493.6835	1493.7352	0.0517	35	53	65	LCQECGLDAKGSR			Carbamidomethyl (C)[2,5]		Mascot
1838.9792	1838.9203	-0.0589	-32	36	52	VADATYSMSLTGVIRR					Mascot
2210.9482	2211.113	0.1648	75	196	214	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
2283.9646	2284.1812	0.2166	95	196	214	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]		Mascot
2299.9597	2300.1838	0.2241	97	196	214	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]		Mascot

36 FYVE, RhoGEF and PH domain-containing protein 6 [Danio rerio] gi|153792522 147346.7 6.22 15 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1076.6251	1076.6115	-0.0136	-13	1280	1287	LQFKLYHK					Mascot
1150.5958	1150.5852	-0.0106	-9	1027	1037	VNSMLSLAGMK					Mascot
1165.6649	1165.7471	0.0822	71	987	996	VFLKEGTLMK					Mascot
1277.6228	1277.6429	0.0201	16	366	376	SLPQMVDSLCK			Carbamidomethyl (C)[10]		Mascot
1277.6228	1277.6429	0.0201	16	366	376	SLPQMVDSLCK			Carbamidomethyl (C)[10]		Mascot
1321.8024	1321.6364	-0.166	-126	42	54	GKPAVAPKPCLLK					Mascot
1434.6616	1434.7721	0.1105	77	694	705	CAELAVGFQMHR			Carbamidomethyl (C)[1], Oxidation (M)[10]		Mascot
1533.7764	1533.78	0.0036	2	364	376	QKSLPQMVDSLCK			Carbamidomethyl (C)[12]		Mascot
1533.7764	1533.78	0.0036	2	364	376	QKSLPQMVDSLCK			Carbamidomethyl (C)[12]		Mascot
1661.7999	1661.8954	0.0955	57	692	705	QRCAELAVGFQMHR			Oxidation (M)[12]		Mascot
1707.8119	1707.7977	-0.0142	-8	870	883	EFDRNVALLDEQCR					Mascot
1714.005	1713.8348	-0.1702	-99	783	796	VFVDVLKLLHIDFR					Mascot
1714.005	1713.8348	-0.1702	-99	783	796	VFVDVLKLLHIDFR					Mascot
2095.9255	2096.0588	0.1333	64	1121	1137	TTMCMICTCEFTLTWRR					Mascot
2194.106	2194.0479	-0.0581	-26	430	449	LSCGSQVIAITKPYIDGDE K			Carbamidomethyl (C)[3]		Mascot
2278.0637	2278.0154	-0.0483	-21	694	713	CAELAVGFQMHRNLNQA CGR			Carbamidomethyl (C)[1], Oxidation (M)[10]		Mascot
2282.9849	2283.1787	0.1938	85	1121	1137	TTMCMICTCEFTLTWRR			Carbamidomethyl (C)[4,7,9], Oxidation (M)[3]		Mascot
2282.9849	2283.1787	0.1938	85	1121	1137	TTMCMICTCEFTLTWRR			Carbamidomethyl (C)[4,7,9], Oxidation (M)[3]		Mascot
2284.1602	2284.1812	0.021	9	940	960	DTQTALSVVKEVANHAN DIMK					Mascot
2300.155	2300.1838	0.0288	13	940	960	DTQTALSVVKEVANHAN DIMK			Oxidation (M)[20]		Mascot
2367.1172	2367.2705	0.1533	65	537	558	SFSSADLQRVDNGSEAS EQLAR					Mascot

37 replication factor C subunit 3 [Danio rerio] gi|41393079 40301.9 8.81 10 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1081.5381	1081.5571	0.019	18	161	170	LILCCNSTSK					Mascot
1179.6984	1179.6016	-0.0968	-82	203	213	EGLLLPPELAK					Mascot
1234.679	1234.6785	-0.0005	0	58	68	ELYGAGVEKLR					Mascot
1249.5374	1249.6309	0.0935	75	151	160	TMEKYMATCR			Oxidation (M)[2]		Mascot
1267.5956	1267.5594	-0.0362	-29	225	234	KALLMCEACR			Carbamidomethyl (C)[6,9], Oxidation (M)[5]		Mascot
1915.08	1914.8812	-0.1988	-104	322	338	LQLGNKAIYHLEAFVAK					Mascot
1993.8962	1993.9805	0.0843	42	155	170	YMATCRLILCCNSTSK			Carbamidomethyl (C)[5,10,11], Oxidation		Mascot

	1993.8962	1993.9805	0.0843	42	155	170	YMATCRLILCCNSTSK	(M)[2] Carbamidomethyl (C)[5,10,11], Oxidation (M)[2] Carbamidomethyl (C)[10,17]	Mascot			
	2115.0935	2115.0432	-0.0503	-24	184	202	VPLPSVEEVCSVLSGVC RK		Mascot			
	2172.0906	2172.05	-0.0406	-19	28	48	NLVQCGDFPHLLVYGPS GAGK		Mascot			
	2172.0906	2172.05	-0.0406	-19	28	48	NLVQCGDFPHLLVYGPS GAGK		Mascot			
	2300.1855	2300.1838	-0.0017	-1	28	49	NLVQCGDFPHLLVYGPS GAGKK		Mascot			
38	tufelin-interacting protein 11 [Danio rerio]				gi 50540512	94517.8	5.51	12	34	0	2	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4028	807.3823	-0.0205	-25	268	274	VIDMTGR			Oxidation (M)[4]		Mascot
1081.4918	1081.5571	0.0653	60	1	9	MSMSHLYGR					Mascot
1106.5524	1106.5325	-0.0199	-18	2	10	SMSHLYGRR					Mascot
1249.6973	1249.6309	-0.0664	-53	155	165	LLQKMGYVPGK			Oxidation (M)[5]		Mascot
1321.6833	1321.6364	-0.0469	-35	791	801	HMGKQLFTFGR					Mascot
1359.5997	1359.6248	0.0251	18	278	288	VYNSYSHMSQK			Oxidation (M)[8]		Mascot
1360.6412	1360.6259	-0.0153	-11	383	395	EGDPALSLQECAK					Mascot
1434.7158	1434.7721	0.0563	39	707	721	AVASGLGGYMQPGAR					Mascot
1493.6326	1493.7352	0.1026	69	437	449	DCSDGLEEVGQWR					Mascot
1498.7537	1498.7189	-0.0348	-23	73	86	DYSTPVSFVSAGLR					Mascot
1498.7537	1498.7189	-0.0348	-23	73	86	DYSTPVSFVSAGLR	2	0			Mascot
1533.7981	1533.78	-0.0181	-12	776	789	AEENGIVFMPLVAK			Oxidation (M)[9]		Mascot
1533.7981	1533.78	-0.0181	-12	776	789	AEENGIVFMPLVAK			Oxidation (M)[9]		Mascot
2172.1733	2172.05	-0.1233	-57	770	789	DLVQAKAEENGIVFMPLV AK					Mascot
2172.1733	2172.05	-0.1233	-57	770	789	DLVQAKAEENGIVFMPLV AK					Mascot

39 PREDICTED: gelsolin-like [Danio rerio] gi|326668568 79933.9 6.95 11 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1249.6211	1249.6309	0.0098	8	581	592	EPAAFWSSLGGK					Mascot
1267.6715	1267.5594	-0.1121	-88	301	311	SAMKVAEQFIK			Oxidation (M)[3]		Mascot
1357.6971	1357.7174	0.0203	15	391	401	VQVWRVEGNDR					Mascot
1360.6526	1360.6259	-0.0267	-20	457	469	LDDSMGGAPVQVR			Oxidation (M)[5]		Mascot
1713.8363	1713.8348	-0.0015	-1	564	580	YVCSILGGSATEISEGK					Mascot

	1713.8363	1713.8348	-0.0015	-1	564	580	YVCSILGGSATEISEGK										Mascot
	2114.9607	2115.0432	0.0825	39	689	706	QGFEPPSFTGWFAQWD SK										Mascot
	2174.1128	2174.0835	-0.0293	-13	92	110	EVQNNESVTLGYFKTGI K										Mascot
	2194.0332	2194.0479	0.0147	7	267	285	QELLNPSCYILDNGLDS K					Carbamidomethyl (C)[9]					Mascot
	2233.1533	2233.0898	-0.0635	-28	522	541	AVEVEPCASKLNTNDVFV LK					Carbamidomethyl (C)[7]					Mascot
	2283.0823	2283.1787	0.0964	42	111	131	YKQGGVSSGFNHVVSNE MNTK										Mascot
	2283.0823	2283.1787	0.0964	42	111	131	YKQGGVSSGFNHVVSNE MNTK										Mascot
	2298.199	2298.1975	-0.0015	-1	532	550	LNTNDVFVLKFPEGMFL WK										Mascot

40 ribonuclease P protein subunit p30 [Danio rerio] gi|61806528 29368.3 8.8 7 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1051.5823	1051.7152	0.1329	126	96	104	FDLVAVYPK					Mascot
1179.6772	1179.6016	-0.0756	-64	95	104	KFDLVAVYPK					Mascot
1582.7782	1582.8323	0.0541	34	2	15	SVFMDLNIINSSDK					Mascot
1713.8186	1713.8348	0.0162	9	1	15	MSVFMDLNIINSSDK					Mascot
1713.8186	1713.8348	0.0162	9	1	15	MSVFMDLNIINSSDK					Mascot
1838.9858	1838.9203	-0.0655	-36	243	258	KPQILQKEEEETPAAK					Mascot
1951.1157	1951.0182	-0.0975	-50	232	249	ATASGVIHTMKKPQILQK					Mascot
2066.0439	2066.0806	0.0367	18	195	214	GPYDIANLGLVFSLSEGD AK					Mascot

41 novel protein similar to human titin (TTN) [Danio rerio] gi|29561775 2113153 6.46 61 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.393	807.3823	-0.0107	-13	8728	8733	WTRCNK					Mascot
842.5094	842.5108	0.0014	2	1522	1529	LSIPGVTR					Mascot
850.5396	850.5427	0.0031	4	4200	4206	FLLTKTK					Mascot
928.4886	928.5276	0.039	42	5895	5901	EYSFRVK					Mascot
958.4159	958.5389	0.123	128	5989	5997	DCHRGDAGK					Mascot
996.5373	996.5975	0.0602	60	670	676	QYQFRVR					Mascot
1017.5687	1017.5729	0.0042	4	15423	15431	KTGIDLQSR					Mascot
1045.6404	1045.5651	-0.0753	-72	2435	2444	GTKFVVPGLK					Mascot
1051.6259	1051.7152	0.0893	85	18684	18693	SPIASPPRVK					Mascot

1076.6021	1076.6115	0.0094	9	4748	4756	KMDVLEITK		Mascot
1081.5425	1081.5571	0.0146	13	1361	1368	FHYTERTK		Mascot
1090.4987	1090.5352	0.0365	33	16580	16589	YYAGCGTSLR		Mascot
1106.5411	1106.5325	-0.0086	-8	3010	3018	ETKANMWAR		Mascot
1124.5154	1124.5308	0.0154	14	11627	11636	DPCAPPSQPR	Carbamidomethyl (C)[3]	Mascot
1150.5885	1150.5852	-0.0033	-3	12457	12466	DGQVLKSTMR	Oxidation (M)[9]	Mascot
1165.6211	1165.7471	0.126	108	14756	14766	VSAENKFGVSK		Mascot
1179.6078	1179.6016	-0.0062	-5	14620	14628	VTWKLEEMK	Oxidation (M)[8]	Mascot
1234.7041	1234.6785	-0.0256	-21	6941	6951	ITGYVIEAQLK		Mascot
1249.6536	1249.6309	-0.0227	-18	17473	17483	KEWSTVVSSAR		Mascot
1267.6793	1267.5594	-0.1199	-95	14057	14066	LIKONEYQFR		Mascot
1277.7688	1277.6429	-0.1259	-99	2490	2501	EKIVVHAGGVIR		Mascot
1277.7688	1277.6429	-0.1259	-99	2490	2501	EKIVVHAGGVIR		Mascot
1299.658	1299.6233	-0.0347	-27	13813	13823	DSVTLQWEPPK		Mascot
1311.6791	1311.5803	-0.0988	-75	5709	5720	YVLTLENSSGTK		Mascot
1320.7369	1320.5875	-0.1494	-113	10302	10314	LNVSSSTATSTVLK		Mascot
1321.6456	1321.6364	-0.0092	-7	10199	10210	GSEEWIVATVCK		Mascot
1359.6328	1359.6248	-0.008	-6	17538	17548	NTEVTWYFGSR		Mascot
1360.7583	1360.6259	-0.1324	-97	10742	10754	VLDRPGPPDGPLK		Mascot
1373.7059	1373.71	0.0041	3	15231	15241	VNKTYTIYDTR		Mascot
1381.707	1381.6804	-0.0266	-19	14367	14378	YTLSENNSGRK		Mascot
1475.7601	1475.757	-0.0031	-2	16447	16459	VFAENETGLSRPR		Mascot
1493.7166	1493.7352	0.0186	12	14434	14445	LSWQEVSECTR		Mascot
1498.7537	1498.7189	-0.0348	-23	15244	15256	ITGLLEGSDYQFR		Mascot
1498.8264	1498.7189	-0.1075	-72	10056	10069	VLDTPGAPQNLFVK		Mascot
1533.7101	1533.78	0.0699	46	9963	9975	MDAPEIELDSELR	Oxidation (M)[1]	Mascot
1533.7227	1533.78	0.0573	37	14244	14255	VNNQTCIQTHYR	Carbamidomethyl (C)[6]	Mascot
1582.7716	1582.8323	0.0607	38	3897	3909	TMLTNNFPVVQMR	Oxidation (M)[2,12]	Mascot
1661.8051	1661.8954	0.0903	54	9963	9976	MDAPEIELDSELRK	Oxidation (M)[1]	Mascot
1707.8557	1707.7977	-0.058	-34	6462	6475	LLWTKLAENVMDCR	Oxidation (M)[11]	Mascot
1713.8378	1713.8348	-0.003	-2	1300	1313	MHTWRQPIETPSSK	Oxidation (M)[1]	Mascot
1713.8378	1713.8348	-0.003	-2	1300	1313	MHTWRQPIETPSSK	Oxidation (M)[1]	Mascot
1817.9176	1817.9473	0.0297	16	7453	7467	MEIKTLDFYSCLINK		Mascot
1838.9	1838.9203	0.0203	11	11627	11642	DPCAPPSQPRVMNTR	Carbamidomethyl (C)[3]	Mascot
1894.9116	1894.9691	0.0575	30	6085	6100	LHDGTEYIFRVCAENK		Mascot
1894.9116	1894.9691	0.0575	30	6085	6100	LHDGTEYIFRVCAENK		Mascot
1951.0229	1951.0182	-0.0047	-2	6367	6385	SSDIVQISSTPTSSTLSIK		Mascot

		1994.0706	1993.9805	-0.0901	-45	2089	2107	NTVTLTWVPPKNDGGAP VK		Mascot			
		1994.0706	1993.9805	-0.0901	-45	2089	2107	NTVTLTWVPPKNDGGAP VK		Mascot			
		2096.1387	2096.0588	-0.0799	-38	11120	11138	YVLTLENNIGSKSAFNV K		Mascot			
		2115.075	2115.0432	-0.0318	-15	6295	6315	AKNAAGAISAPSETTEPL VCK	Carbamidomethyl (C)[20]	Mascot			
		2172.1619	2172.05	-0.1119	-52	8458	8480	VIARNAAGVSSVPSDSTG AITAK		Mascot			
		2172.1619	2172.05	-0.1119	-52	8458	8480	VIARNAAGVSSVPSDSTG AITAK		Mascot			
		2174.1023	2174.0835	-0.0188	-9	10714	10734	DCIRVDGGHFVLSLSNVG GTK		Mascot			
		2194.0583	2194.0479	-0.0104	-5	10133	10152	VMAENEFGIGLPVETEE S VK	Oxidation (M)[2]	Mascot			
		2211.0713	2211.113	0.0417	19	16266	16285	TPLCPPEPPSFPEIMDV TK	Oxidation (M)[16]	Mascot			
		2225.0479	2225.1265	0.0786	35	5030	5048	HPFDPPSEPLNCCVNKV SK	Carbamidomethyl (C)[12,13]	Mascot			
		2225.1382	2225.1265	-0.0117	-5	15848	15868	VAATNRFGIGGFLQSEV ECK		Mascot			
		2278.0906	2278.0154	-0.0752	-33	176	197	VAAENAVGPSEFCELED SVLAK		Mascot			
		2283.1284	2283.1787	0.0503	22	76	97	VRAVNVAGESEPSEPSD PVLCK		Mascot			
		2283.1511	2283.1787	0.0276	12	1873	1892	IFMDISADELLCVRAGTP K	Carbamidomethyl (C)[12]	Mascot			
		2284.1819	2284.1812	-0.0007	0	7907	7927	EITKDSVSLIWDPPVIDG SR		Mascot			
		2298.2083	2298.1975	-0.0108	-5	12404	12423	DMVLPVLVKDQLEAPEIN MK	Oxidation (M)[2]	Mascot			
		2300.0764	2300.1838	0.1074	47	2336	2353	ECQYIVQRLTEGHEYEFR		Mascot			
		2367.2917	2367.2705	-0.0212	-9	10238	10259	SDPRPLASPVIADVTIEP SFK		Mascot			
		2441.1978	2441.23	0.0322	13	4494	4514	KCNTSGQLVLTEYTISNL DER	Carbamidomethyl (C)[2]	Mascot			
		2441.1978	2441.23	0.0322	13	4494	4514	KCNTSGQLVLTEYTISNL DER	Carbamidomethyl (C)[2]	Mascot			
		2872.4258	2872.4014	-0.0244	-8	14492	14517	RLDVIDTTSTTASLVWMK PEHDGGS R		Mascot			
42	PREDICTED: hypothetical protein LOC797545 [Danio rerio]					gi 326680244	414217.4	4.68	21	33	0	19	0

1179.5852	1179.6016	0.0164	14	2601	2612	TGSTISGEGKDK						Mascot
1234.5487	1234.6785	0.1298	105	3700	3708	DWYQQTHEK						Mascot
1249.5542	1249.6309	0.0767	61	3277	3286	EESDEEREVK						Mascot
1311.5668	1311.5803	0.0135	10	1037	1049	EMQAAAMGNGTSK				Oxidation (M)[2]		Mascot
1360.6954	1360.6259	-0.0695	-51	1956	1968	DQSVPESSITVAK						Mascot
1373.6907	1373.71	0.0193	14	2502	2513	EKEDTHSSLLSK						Mascot
1498.7457	1498.7189	-0.0268	-18	3226	3237	QTEEIIMEKYSK						Mascot
1498.7457	1498.7189	-0.0268	-18	3226	3237	QTEEIIMEKYSK						Mascot
1582.698	1582.8323	0.1343	85	2615	2629	LGSDDSKDDPFSSGR						Mascot
1661.7904	1661.8954	0.105	63	2350	2363	VTYEVEKESYEASK						Mascot
1707.8184	1707.7977	-0.0207	-12	2446	2458	DLYQEEELVREER						Mascot
1713.8087	1713.8348	0.0261	15	442	455	EMQFLMQKWAGNSK	19	0	Oxidation (M)[6]			Mascot
1713.8087	1713.8348	0.0261	15	442	455	EMQFLMQKWAGNSK			Oxidation (M)[2]			Mascot
1894.9392	1894.9691	0.0299	16	2750	2768	DSVSSLVYGGTAEVPQT GK						Mascot
1894.9392	1894.9691	0.0299	16	2750	2768	DSVSSLVYGGTAEVPQT GK						Mascot
2096.1233	2096.0588	-0.0645	-31	1526	1543	QVKQVEEIQPEKPEISSK						Mascot
2174.1299	2174.0835	-0.0464	-21	1758	1776	LIEETQNTQQLQKADISS K						Mascot
2367.1418	2367.2705	0.1287	54	2674	2694	TDLVSSKPLVVSTEEEC MVR			Oxidation (M)[19]			Mascot

43 novel protein similar to vertebrate SWIVSNF related,
matrix associated, actin dependent regulator gi|55963379 29300 9.77 7 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1234.5746	1234.6785	0.1039	84	135	144	CVSHSENRFK					Mascot
1320.6794	1320.5875	-0.0919	-70	159	170	SIPSKNYDPATK					Mascot
1475.7522	1475.757	0.0048	3	70	82	QTQLIDINAACTK			Carbamidomethyl (C)[11]		Mascot
1582.9064	1582.8323	-0.0741	-47	111	125	RPPKPPEPAANIPAK					Mascot
2115.1848	2115.0432	-0.1416	-67	145	163	VEVGYHADLILVFKSIPSK					Mascot
2211.0286	2211.113	0.0844	38	41	61	HTQSGTTGGPAKNNQHF ASDR					Mascot
2367.2263	2367.2705	0.0442	19	247	267	LEVDIGYQADVIGIFKQM PSK			Oxidation (M)[18]		Mascot

44 PREDICTED: protein FAM55C-like [Danio rerio] gi|326679503 31615.8 8.63 8 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	1045.5061	1045.5651	0.059	56	184	191	YRESSFTR						Mascot
	1090.375	1090.5352	0.1602	147	227	234	GNCCCEYK			Carbamidomethyl (C)[3,4,5]			Mascot
	1320.6729	1320.5875	-0.0854	-65	250	260	LSCDKLVYHSR						Mascot
	1381.7686	1381.6804	-0.0882	-64	171	182	LEHSSEVVQILK						Mascot
	1498.7583	1498.7189	-0.0394	-26	238	249	TGTVWHCERPKK			Carbamidomethyl (C)[7]			Mascot
	1498.7583	1498.7189	-0.0394	-26	238	249	TGTVWHCERPKK			Carbamidomethyl (C)[7]			Mascot
	2065.9729	2066.0806	0.1077	52	2	18	TYFCVCLLAISCMWLWR			Carbamidomethyl (C)[4]			Mascot
	2171.9819	2172.05	0.0681	31	1	18	MTYFCVCLLAISCMWLWR			Oxidation (M)[1,14]			Mascot
	2171.9819	2172.05	0.0681	31	1	18	MTYFCVCLLAISCMWLWR			Oxidation (M)[1,14]			Mascot
	2872.3765	2872.4014	0.0249	9	2	25	TYFCVCLLAISCMWLRL TENHPR			Oxidation (M)[13]			Mascot
45	novel protein (zgc:153390) [Danio rerio]				gi 220679356		13359	9.55	6	32	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	842.4478	842.5108	0.063	75	51	57	ISKHDSR					Mascot
	1045.5636	1045.5651	0.0015	1	38	46	SLENLGERK					Mascot
	1150.6215	1150.5852	-0.0363	-32	24	32	RTVETLFR					Mascot
	1311.7129	1311.5803	-0.1326	-101	2	11	PRYELVMVLK					Mascot
	1498.827	1498.7189	-0.1081	-72	12	24	AMQRPETA AVLRR					Mascot
	1498.827	1498.7189	-0.1081	-72	12	24	AMQRPETA AVLRR					Mascot
	1533.7148	1533.78	0.0652	43	97	110	DTELPKGQCCGVAR			Carbamidomethyl (C)[9]		Mascot
	1533.7148	1533.78	0.0652	43	97	110	DTELPKGQCCGVAR			Carbamidomethyl (C)[9]		Mascot

46 Retinoid x receptor, beta b [Danio rerio] gi|190336859 46645.2 6.61 9 32 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1081.47	1081.5571	0.0871	81	88	96	RMCAICGDR			Carbamidomethyl (C)[3]		Mascot
	1234.683	1234.6785	-0.0045	-4	224	233	QLFTLVEWAK					Mascot
	1267.6641	1267.5594	-0.1047	-83	189	199	ILEAETA VEHR					Mascot
	1357.5657	1357.7174	0.1517	112	89	100	MCAICGDRSSGK			Carbamidomethyl (C)[2,5], Oxidation (M)[1]		Mascot
	1359.5455	1359.6248	0.0793	58	101	111	HYGVYSCEGCK			Carbamidomethyl (C)[7,10]		Mascot
	1475.7198	1475.757	0.0372	25	359	370	VYASLESYCKQK			Carbamidomethyl (C)[9]		Mascot
	1661.7046	1661.8954	0.1908	115	97	111	SSGKHVGVYSCEGCK			Carbamidomethyl (C)[11]		Mascot
	1838.7988	1838.9203	0.1215	66	101	115	HYGVYSCEGCKGFFK			Carbamidomethyl (C)[7,10]		Mascot
	2174.0508	2174.0835	0.0327	15	404	422	LIGNTPIDTFLMEMLESPH			Oxidation (M)[12]		Mascot

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
887.4832	887.4819	-0.0013	-1	171	179	VGVPDSVK					Mascot
1026.4673	1026.4692	0.0019	2	150	157	ENFSLCTR	61	99.979	Carbamidomethyl (C)[5]		Mascot
1026.4673	1026.4692	0.0019	2	150	157	ENFSLCTR			Carbamidomethyl (C)[5]		Mascot

2	malate dehydrogenase 1a, NAD (soluble) [Danio rerio]	gi 41053939	33395.9	8.13	13	825	100	743	100
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
887.4832	887.4819	-0.0013	-1	143	151	VGVPSPDSVK					Mascot
1026.4673	1026.4692	0.0019	2	122	129	ENFSCLTR	61	99.979	Carbamidomethyl (C)[5]		Mascot
1026.4673	1026.4692	0.0019	2	122	129	ENFSCLTR			Carbamidomethyl (C)[5]		Mascot
1150.5851	1150.5905	0.0054	5	193	202	GDFISTVQQR					Mascot
1150.5851	1150.5905	0.0054	5	193	202	GDFISTVQQR	68	99.996			Mascot
1321.6747	1321.6801	0.0054	4	271	282	VVDGLSINDFSR					Mascot
1321.6747	1321.6801	0.0054	4	271	282	VVDGLSINDFSR	93	100			Mascot
1334.6256	1334.6307	0.0051	4	285	296	MDATAAELVEER					Mascot
1334.6256	1334.6307	0.0051	4	285	296	MDATAAELVEER	69	99.996			Mascot

	1350.6206	1350.6249	0.0043	3	285	296	MDATAAELVEER					Oxidation (M)[1]	Mascot
	1357.7144	1357.7208	0.0064	5	52	64	DLDAAILVGSMR						Mascot
	1357.7144	1357.7208	0.0064	5	52	64	DLDAAILVGSMR	101	100				Mascot
	1373.7094	1373.7159	0.0065	5	52	64	DLDAAILVGSMR	65	99.991	Oxidation (M)[11]			Mascot
	1373.7094	1373.7159	0.0065	5	52	64	DLDAAILVGSMR			Oxidation (M)[11]			Mascot
	1460.7994	1460.8047	0.0053	4	39	51	EVIPTDKVEVGFK	79	100				Mascot
	1460.7994	1460.8047	0.0053	4	39	51	EVIPTDKVEVGFK						Mascot
	1535.7369	1535.7439	0.007	5	283	296	GKMDATAAELVEER			Oxidation (M)[3]			Mascot
	1689.9282	1689.8571	-0.0711	-42	193	208	GDFISTVQQRGAIVK						Mascot
	1707.8224	1707.8312	0.0088	5	178	192	EIAAFDAVNDESWLK	100	100				Mascot
	1707.8224	1707.8312	0.0088	5	178	192	EIAAFDAVNDESWLK						Mascot
	1769.9578	1769.9673	0.0095	5	98	114	VLVGNPANTNCLIASK			Carbamidomethyl (C)[12]			Mascot
	2254.0908	2254.1084	0.0176	8	285	305	MDATAAELVEERDTALTF LSA						Mascot
	2632.3015	2632.3235	0.022	8	152	174	NVTIWGNHSSTQYPDVH HAIVTR	173	100				Mascot
	2632.3015	2632.3235	0.022	8	152	174	NVTIWGNHSSTQYPDVH HAIVTR						Mascot
3	malate dehydrogenase, cytoplasmic [Danio rerio]				gi 41053921	36196.8	6.02	3	171	100	162	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1026.4673	1026.4692	0.0019	2	150	157	ENFSCLTR	61	99.979		Carbamidomethyl (C)[5]		Mascot
1026.4673	1026.4692	0.0019	2	150	157	ENFSCLTR				Carbamidomethyl (C)[5]		Mascot
1357.7144	1357.7208	0.0064	5	80	92	DLDAAILVGSMR						Mascot
1357.7144	1357.7208	0.0064	5	80	92	DLDAAILVGSMR	101	100				Mascot
1373.7094	1373.7159	0.0065	5	80	92	DLDAAILVGSMR	65	99.991	Oxidation (M)[11]			Mascot
1373.7094	1373.7159	0.0065	5	80	92	DLDAAILVGSMR			Oxidation (M)[11]			Mascot
1707.7975	1707.8312	0.0337	20	240	255	LSSAMSAAKAICDHMR			Oxidation (M)[5]			Mascot
1707.7975	1707.8312	0.0337	20	240	255	LSSAMSAAKAICDHMR			Oxidation (M)[5]			Mascot

4 RecName: Full=Dual specificity protein kinase Ttk;
AltName: Full=Mitotic checkpoint serine/threonin

gi|146336816 109942.2 7.36 14 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4199	850.5432	0.1233	145	237	243	RTAMAER				Oxidation (M)[4]		Mascot
1106.639	1106.5552	-0.0838	-76	95	103	MLVRFAELK						Mascot

	1302.7028	1302.7203	0.0175	13	652	661	QFFIFKMIGR					Oxidation (M)[7]	Mascot
	1357.5657	1357.7208	0.1551	114	953	965	AASNLAMMCNSGR					Oxidation (M)[7,8]	Mascot
	1357.5657	1357.7208	0.1551	114	953	965	AASNLAMMCNSGR	6	0			Oxidation (M)[7,8]	Mascot
	1393.6495	1393.7356	0.0861	62	265	277	AEAPFTHSSGFSR						Mascot
	1763.8558	1763.8093	-0.0465	-26	104	119	AIQDVNDAQTSFDIAR						Mascot
	1769.8889	1769.9673	0.0784	44	184	199	ENLSVSALDHTQGSRR						Mascot
	2232.9827	2233.1057	0.123	55	417	436	GIEDPEDAADDFSIARSH CK					Carbamidomethyl (C)[19]	Mascot
	2299.1553	2299.2009	0.0456	20	433	452	SHCKAFAFVHIAHAQFEL SR						Mascot
	2300.0027	2300.198	0.1953	85	1	19	MDEEESTERQMQUIAMLC QK						Mascot
	2632.3616	2632.3235	-0.0381	-14	295	318	KGTPDGDSYSLNIKPPVI SPDYLR						Mascot
	2632.3616	2632.3235	-0.0381	-14	295	318	KGTPDGDSYSLNIKPPVI SPDYLR						Mascot
	2641.241	2641.415	0.174	66	488	511	TLLPAEHQESSEAEENVE AQNGMK					Oxidation (M)[23]	Mascot
	3157.4954	3157.6069	0.1115	35	338	365	ETARTEETDINQIISTNS TEGCQAFK					Carbamidomethyl (C)[23]	Mascot
	3337.6055	3337.7959	0.1904	57	840	868	GDVWSLGCILYCMTYGK TPFQNTNQISK					Carbamidomethyl (C)[8]	Mascot
5	PREDICTED: Bardet-Biedl syndrome 12 protein [Danio rerio]					gi 292629102	86220.5	6.61	15	41	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
887.3749	887.4819	0.107	121	7	13	QCSFAMK			Carbamidomethyl (C)[2], Oxidation (M)[6]		Mascot
1279.6675	1279.7836	0.1161	91	109	120	GISVSDIKSAMR			Oxidation (M)[11]		Mascot
1316.5531	1316.6626	0.1095	83	299	309	SIDQCMDMTLK			Oxidation (M)[6,8]		Mascot
1321.5875	1321.6801	0.0926	70	261	271	SDDQCKHMTLK			Oxidation (M)[8]		Mascot
1321.5875	1321.6801	0.0926	70	261	271	SDDQCKHMTLK			Oxidation (M)[8]		Mascot
1334.5426	1334.6307	0.0881	66	332	342	SDDQCMYMTLK					Mascot
1334.5426	1334.6307	0.0881	66	332	342	SDDQCMYMTLK					Mascot
1350.5375	1350.6249	0.0874	65	332	342	SDDQCMYMTLK			Oxidation (M)[6]		Mascot
1357.5797	1357.7208	0.1411	104	299	309	SIDQCMDMTLK			Carbamidomethyl (C)[5], Oxidation (M)[6]		Mascot
1357.5797	1357.7208	0.1411	104	299	309	SIDQCMDMTLK			Carbamidomethyl (C)[5], Oxidation (M)[6]		Mascot
1373.5746	1373.7159	0.1413	103	299	309	SIDQCMDMTLK			Carbamidomethyl (C)[5], Oxidation (M)[6,8]		Mascot
1373.5746	1373.7159	0.1413	103	299	309	SIDQCMDMTLK			Carbamidomethyl (C)[5], Oxidation (M)[6,8]		Mascot
1460.6951	1460.8047	0.1096	75	694	705	TEAWTSITHQMR					Mascot
1460.6951	1460.8047	0.1096	75	694	705	TEAWTSITHQMR					Mascot
1475.615	1475.7606	0.1456	99	1	13	MDPSCKQCSFAMK					Mascot
1707.9686	1707.8312	-0.1374	-80	636	650	LLHGAGVTELCIRR			Carbamidomethyl (C)[12]		Mascot

1707.9686	1707.8312	-0.1374	-80	636	650	LLHGAGVTELCIRR	Carbamidomethyl (C)[12]	Mascot
1729.8109	1729.8164	0.0055	3	370	383	LDNQSMHMTLKHSR	Oxidation (M)[6,8]	Mascot
1754.7255	1754.8131	0.0876	50	223	236	SNDQCMDMTLKHSR	Carbamidomethyl (C)[5], Oxidation (M)[6,8]	Mascot
1763.6895	1763.8093	0.1198	68	185	198	SDDQCMDMTLKHSR	Carbamidomethyl (C)[5], Oxidation (M)[6]	Mascot
2210.9585	2211.1262	0.1677	76	199	217	YANTQTEHAQSDDNVQD FK		Mascot
2210.9585	2211.1262	0.1677	76	199	217	YANTQTEHAQSDDNVQD FK		Mascot
2283.0532	2283.1978	0.1446	63	552	571	HFSTCTGAVPVSYICQLD ER	Carbamidomethyl (C)[5]	Mascot
2297.0789	2297.207	0.1281	56	121	141	GGLQECLDACTQLAVSV EEFK	Carbamidomethyl (C)[6]	Mascot
2648.2773	2648.3223	0.045	17	707	730	HTDIGVTDGLGVYDNTV KCEAWR		Mascot

6 PREDICTED: echinoderm microtubule associated protein like 6 [Danio rerio] gi|326672044 191942.5 7.32 19 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4617	842.5107	0.049	58	433	439	EDLPQLK					Mascot
850.4451	850.5432	0.0981	115	1228	1234	QTMSVLR			Oxidation (M)[3]		Mascot
996.5546	996.5989	0.0443	44	714	721	CLKTYAIK			Carbamidomethyl (C)[1]		Mascot
1051.651	1051.7164	0.0654	62	1117	1126	AAPLPDKLVK					Mascot
1106.5034	1106.5552	0.0518	47	1441	1450	DGEIMEVGEK					Mascot
1150.535	1150.5905	0.0555	48	130	138	NTVCVWDWK					Mascot
1150.6327	1150.5905	-0.0422	-37	1615	1624	RQIHEVPSGK					Mascot
1179.5575	1179.6034	0.0459	39	1269	1278	WQEGSRVCSK					Mascot
1302.6688	1302.7203	0.0515	40	1605	1615	YIEVSTGSYKR					Mascot
1321.6747	1321.6801	0.0054	4	272	282	IDLREAEQGYK					Mascot
1321.6747	1321.6801	0.0054	4	272	282	IDLREAEQGYK					Mascot
1350.7012	1350.6249	-0.0763	-56	276	287	EAEQGYKGLSIR					Mascot
1535.8217	1535.7439	-0.0778	-51	529	541	DPAIHVWDIQLK					Mascot
1769.9598	1769.9673	0.0075	4	618	632	HIKFWLHTGGGLTFR					Mascot
2283.2019	2283.1978	-0.0041	-2	1285	1304	IFVVEFRPDSDTQFVSVG IK					Mascot
2300.0764	2300.198	0.1216	53	1135	1153	TVEELSLDHVFGYRGFD CR			Carbamidomethyl (C)[18]		Mascot
2615.2261	2615.3284	0.1023	39	363	386	CNMEEAVRSVSFINDGS QLALGMK			Oxidation (M)[3]		Mascot
2641.2634	2641.415	0.1516	57	1441	1465	DGEIMEVGEKNAASNTII NGHTQGR					Mascot
3157.6238	3157.6069	-0.0169	-5	1560	1588	LLAVGSVESAVDFYDLTL GPSLNRIQYCK			Carbamidomethyl (C)[28]		Mascot
3338.6436	3338.7847	0.1411	42	949	979	MEWATWTSVLGGTCEGI					Mascot

7 WPTLSLVNASSLTK
 PREDICTED: hypothetical protein LOC100538187 gi|326671902 13561.6 8.77 7 38 0
 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1334.6595	1334.6307	-0.0288	-22	53	63	AHIIQFMSEMK					Mascot
1334.6595	1334.6307	-0.0288	-22	53	63	AHIIQFMSEMK					Mascot
1350.6544	1350.6249	-0.0295	-22	53	63	AHIIQFMSEMK			Oxidation (M)[7]		Mascot
1357.707	1357.7208	0.0138	10	2	13	VDKDQAEVNAIR					Mascot
1357.707	1357.7208	0.0138	10	2	13	VDKDQAEVNAIR					Mascot
1475.7377	1475.7606	0.0229	16	35	48	WLSISESGVSGPEK					Mascot
1614.7303	1614.8129	0.0826	51	75	86	AEMFHCQFRNFK			Carbamidomethyl (C)[6]		Mascot
1763.8567	1763.8093	-0.0474	-27	49	63	ADSRAHIIQFMSEMK					Mascot
2225.0344	2225.1375	0.1031	46	94	111	NNWETIGHLWSNFGRCYK					Mascot
2297.0999	2297.207	0.1071	47	91	108	YFRNNWETIGHLWSNFG R					Mascot

8 dual specificity protein kinase Ttk [Danio rerio] gi|28077097 110018.2 7.35 13 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4199	850.5432	0.1233	145	238	244	RTAMAER			Oxidation (M)[4]		Mascot
1106.639	1106.5552	-0.0838	-76	95	103	MLVRFAELK					Mascot
1302.7028	1302.7203	0.0175	13	653	662	QFFIFKMIGR			Oxidation (M)[7]		Mascot
1357.5657	1357.7208	0.1551	114	954	966	AASNLAMMCNSGR			Oxidation (M)[7,8]		Mascot
1357.5657	1357.7208	0.1551	114	954	966	AASNLAMMCNSGR	6	0	Oxidation (M)[7,8]		Mascot
1393.6495	1393.7356	0.0861	62	266	278	AEAPFTHSSGF SR					Mascot
1763.8558	1763.8093	-0.0465	-26	104	119	AIQDVNDAQTSFDIAR					Mascot
1769.8889	1769.9673	0.0784	44	184	199	ENLSVSALDHTQGSRR					Mascot
2232.9827	2233.1057	0.123	55	418	437	GIEDPEDAADD FS IARSH CK			Carbamidomethyl (C)[19]		Mascot
2299.1553	2299.2009	0.0456	20	434	453	SHCKAF AFVHIAHAQFEL SR					Mascot
2300.0027	2300.198	0.1953	85	1	19	MDEEESTERQM Q IAML C QK					Mascot
2632.3616	2632.3235	-0.0381	-14	296	319	KGTPDGDSYSLN I KPPVI SPDYLR					Mascot
2632.3616	2632.3235	-0.0381	-14	296	319	KGTPDGDSYSLN I KPPVI SPDYLR					Mascot
3157.4954	3157.6069	0.1115	35	339	366	ETARTEETDINQ I STNS TEGCQAFLK			Carbamidomethyl (C)[23]		Mascot

	3337.6055	3337.7959	0.1904	57	841	869	GDVWSLGCILYCMTYGK TPFQNITNQISK					Carbamidomethyl (C)[8]	Mascot
9	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12 [Danio rerio]				gi 74315939	16958.4	9.39	6	36	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4501	882.5688	0.1187	135	2	9	AGYATLMR					Mascot
1045.4805	1045.5643	0.0838	80	1	9	MAGYATLMR			Oxidation (M)[1,8]		Mascot
1321.5807	1321.6801	0.0994	75	45	54	YGNKYEDNR					Mascot
1321.5807	1321.6801	0.0994	75	45	54	YGNKYEDNR					Mascot
1357.6456	1357.7208	0.0752	55	62	72	WVIYTTEMNGK			Oxidation (M)[8]		Mascot
1357.6456	1357.7208	0.0752	55	62	72	WVIYTTEMNGK			Oxidation (M)[8]		Mascot
1460.7955	1460.8047	0.0092	6	31	44	VQETKTGALIGTDK					Mascot
1460.7955	1460.8047	0.0092	6	31	44	VQETKTGALIGTDK					Mascot
2230.042	2230.2021	0.1601	72	90	108	WLHCMTDDPPTTHPPEP KK					Mascot

10	PREDICTED: hypothetical protein LOC569436 [Danio rerio]				gi 326678363	352771.2	7.92	26	35	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4743	842.5107	0.0364	43	2664	2669	HFRINR					Mascot
887.4594	887.4819	0.0225	25	463	469	SFRHANR					Mascot
935.425	935.4583	0.0333	36	2720	2727	NNNCTLEK					Mascot
1179.6256	1179.6034	-0.0222	-19	2297	2306	LSELTLD FNK					Mascot
1373.6565	1373.7159	0.0594	43	510	521	HHVCLCGKSFSR					Mascot
1373.6565	1373.7159	0.0594	43	510	521	HHVCLCGKSFSR					Mascot
1393.7434	1393.7356	-0.0078	-6	2749	2760	SNPSHLIELDLR					Mascot
1475.647	1475.7606	0.1136	77	1333	1345	RNNENNQADDASK					Mascot
1576.8251	1576.8428	0.0177	11	1488	1501	NESMIDLLKTAVDK					Mascot
1614.7316	1614.8129	0.0813	50	2728	2741	LNLSDCSISEEGYK			Carbamidomethyl (C)[6]		Mascot
1684.8058	1684.9733	0.1675	99	1709	1725	TCSALASALSSDSSSLK			Carbamidomethyl (C)[2]		Mascot
1689.6189	1689.8571	0.2382	141	185	199	MHSDetafsceecgk			Oxidation (M)[1]		Mascot
1700.8458	1700.9706	0.1248	73	3057	3071	GVNLLCDVLKDSHCK			Carbamidomethyl (C)[6]		Mascot
1707.8007	1707.8312	0.0305	18	1474	1487	KNVFMDESPELENR					Mascot
1707.8007	1707.8312	0.0305	18	1474	1487	KNVFMDESPELENR					Mascot
1739.8422	1739.8208	-0.0214	-12	2269	2283	FLSPAaDEVcqvtr			Carbamidomethyl (C)[10]		Mascot

1754.8918	1754.8131	-0.0787	-45	905	921	YLSGSPVSSSVSVKSDR		Mascot
1769.8965	1769.9673	0.0708	40	1174	1188	QSLMSLICQFFPEVK		Mascot
1993.9246	1993.9885	0.0639	32	1066	1082	LLNDVYTDLYMTQCASK	Oxidation (M)[11]	Mascot
2224.9797	2225.1375	0.1578	71	321	339	HHMSLHNEEKPYVCGQC GR		Mascot
2232.8818	2233.1057	0.2239	100	181	199	YHMKMHSDETAFSCEEC GK		Mascot
2254.2781	2254.1084	-0.1697	-75	1516	1534	FLLGMSLKYNRPLFQGLL K	Oxidation (M)[5]	Mascot
2269.1282	2269.0459	-0.0823	-36	2038	2056	DLQLRFLSSEADNVCQF VK	Carbamidomethyl (C)[15]	Mascot
2283.2068	2283.1978	-0.009	-4	1358	1375	TLTQMYTHFLRFQILQSR		Mascot
2297.144	2297.207	0.063	27	2728	2748	LNLSDCSISEEGYKALAS ALR	Carbamidomethyl (C)[6]	Mascot
2297.9961	2298.2056	0.2095	91	321	339	HHMSLHNEEKPYVCGQC GR	Carbamidomethyl (C)[14], Oxidation (M)[3]	Mascot
2299.2017	2299.2009	-0.0008	0	1358	1375	TLTQMYTHFLRFQILQSR	Oxidation (M)[5]	Mascot
2615.1812	2615.3284	0.1472	56	321	342	HHMSLHNEEKPYVCGQC GRSFR		Mascot
2632.2085	2632.3235	0.115	44	2898	2921	LERLSLCSCSLTDDCCSA VTSALK	Carbamidomethyl (C)[7,9]	Mascot
2632.2085	2632.3235	0.115	44	2898	2921	LERLSLCSCSLTDDCCSA VTSALK	Carbamidomethyl (C)[7,9]	Mascot
2648.1584	2648.3223	0.1639	62	233	255	ASVNRHMCIHSGEKPYA CDQCGK	Carbamidomethyl (C)[8,18]	Mascot

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2211.0322	2211.1262	0.094	43	1589	1606	TDYHILRDPELCYMAAQR	Oxidation (M)[14]	Mascot
2230.0715	2230.2021	0.1306	59	459	475	DYQLEGVNWLLFNWYNR		Mascot
2282.9988	2283.1978	0.199	87	356	374	AHFFADEDPFNPDYVEV DR		Mascot
2297.3015	2297.207	-0.0945	-41	502	522	TGIKGPFLIIAPLSTIANWE R		Mascot
2298.146	2298.2056	0.0596	26	1901	1922	LLDNASTLPEDPSDSPQ GSKVK		Mascot
2299.1816	2299.2009	0.0193	8	273	293	KPAVQLFVENPTEEDAAV VDK		Mascot
2455.1523	2455.2314	0.0791	32	998	1019	ASFVASGNRTDISLDDPN FWDK		Mascot
2632.1218	2632.3235	0.2017	77	397	417	WCSLPYEDSTWELMEDV DQTK	Carbamidomethyl (C)[2]	Mascot
2632.2319	2632.3235	0.0916	35	1262	1283	SEMPAMWWDMMLSDKCL LLGVYK	Oxidation (M)[3]	Mascot
2648.2268	2648.3223	0.0955	36	1262	1283	SEMPAMWWDMMLSDKCL LLGVYK	Oxidation (M)[3,6]	Mascot
3338.5801	3338.7847	0.2046	61	1548	1575	HPQLYEHLCQPGPDL PVWWETGSHDR	Carbamidomethyl (C)[11]	Mascot

12 LOC402838 protein [Danio rerio] gi|32451936 67920.2 5.19 11 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
842.5206	842.5107	-0.0099	-12	61	67	ALQIKNR				Mascot
887.4442	887.4819	0.0377	42	267	274	AANRADNR				Mascot
1106.6091	1106.5552	-0.0539	-49	199	207	VVEIYENLK				Mascot
1393.6284	1393.7356	0.1072	77	107	116	YWNQFDEHVR				Mascot
1614.8698	1614.8129	-0.0569	-35	446	459	TEVIQLEDTLAQVR				Mascot
1678.8694	1678.9548	0.0854	51	488	501	HLISTLQTHNQMK				Mascot
1729.781	1729.8164	0.0354	20	429	442	QLDHMENDEVSLQR		Oxidation (M)[5]		Mascot
1801.7657	1802.0049	0.2392	133	122	138	CDQSGSEPVESQPPEGR				Mascot
2254.0503	2254.1084	0.0581	26	24	47	KGGEDGEGMSTGSGGS TAVETVIK				Mascot
2299.0918	2299.2009	0.1091	47	243	262	LCQLTDGLQQKSHMTS ESR				Mascot
2300.1816	2300.198	0.0164	7	222	242	DGGLWDVAVRLNALLTG MNER				Mascot

13 PREDICTED: calcium-dependent secretion activator 1 [Danio rerio] gi|326668736 141178 5.62 15 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
1026.5077	1026.4692	-0.0385	-38	93	101	CIAYPFNAK				Mascot
1026.5077	1026.4692	-0.0385	-38	93	101	CIAYPFNAK				Mascot

	1045.5459	1045.5643	0.0184	18	280	288	LQMADQIAR										Mascot
	1150.5739	1150.5905	0.0166	14	1134	1142	VNEEVYIER										Mascot
	1150.5739	1150.5905	0.0166	14	1134	1142	VNEEVYIER										Mascot
	1179.6343	1179.6034	-0.0309	-26	578	586	ILWVQAMYP										Mascot
	1321.6343	1321.6801	0.0458	35	32	43	ISPSRTSESSDR										Mascot
	1321.7032	1321.6801	-0.0231	-17	223	235	MTASAASELILSK										Mascot
	1350.6504	1350.6249	-0.0255	-19	161	173	MVQTGGLSALDCR										Mascot
	1373.8185	1373.7159	-0.1026	-75	760	771	ATLSLLERVLMK	5		0							Mascot
	1373.8185	1373.7159	-0.1026	-75	760	771	ATLSLLERVLMK										Mascot
	1393.6958	1393.7356	0.0398	29	1132	1142	DKVNEEVYIER										Mascot
	1684.7339	1684.9733	0.2394	142	1032	1046	DQSAKLCAMEMGQEK					Oxidation (M)[9]					Mascot
	1700.7288	1700.9706	0.2418	142	1032	1046	DQSAKLCAMEMGQEK					Oxidation (M)[9,11]					Mascot
	1754.8167	1754.8131	-0.0036	-2	609	624	AAQMDAPISQFYADR										Mascot
	2224.9397	2225.1375	0.1978	89	1	20	MLDPSSSEESDGIVEEE SR										Mascot
	2233.166	2233.1057	-0.0603	-27	84	101	LQLYVFMRCIAYPFNAK					Carbamidomethyl (C)[10]					Mascot
	2254.092	2254.1084	0.0164	7	919	937	YVDLMESSIAQSIHRGFE R					Oxidation (M)[5]					Mascot
	2615.3174	2615.3284	0.011	4	1101	1124	AASKYVEVPKPGMDVAD GYVTFVR					Oxidation (M)[13]					Mascot
14	glutathione peroxidase 1b [Danio rerio]				gi 169636422		21638	7.66	6	34	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1165.6099	1165.7502	0.1403	120	173	183	FLTSGIDGDIK					Mascot
1179.6409	1179.6034	-0.0375	-32	157	167	FLIGSDGVPFK					Mascot
1279.6429	1279.7836	0.1407	110	88	98	YVRPGNGYEPK					Mascot
1321.7111	1321.6801	-0.031	-23	172	183	RFLTSGIDGDIK					Mascot
1321.7111	1321.6801	-0.031	-23	172	183	RFLTSGIDGDIK					Mascot
1460.7454	1460.8047	0.0593	41	1	13	MAGIKSFYDITAK			Oxidation (M)[1]		Mascot
1460.7454	1460.8047	0.0593	41	1	13	MAGIKSFYDITAK			Oxidation (M)[1]		Mascot
2297.1602	2297.207	0.0468	20	148	167	NDIAWNFEKFLIGSDGVP FK					Mascot

15 PREDICTED: desmoplakin [Danio rerio] gi|326664664 287023.8 6.6 27 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5043	882.5688	0.0645	73	1885	1891	DIEHKLK					Mascot

	887.4944	887.4819	-0.0125	-14	1422	1428	RELDVQK						Mascot
	935.468	935.4583	-0.0097	-10	1224	1232	SAAELETSK						Mascot
	1106.5623	1106.5552	-0.0071	-6	1432	1440	MKLEQNATR				Oxidation (M)[1]		Mascot
	1150.5305	1150.5905	0.06	52	845	853	YCMTLKTMK				Oxidation (M)[3,8]		Mascot
	1150.6215	1150.5905	-0.031	-27	2404	2412	LQDTRNYIK						Mascot
	1179.5059	1179.6034	0.0975	83	730	739	ENSVQECSQR						Mascot
	1277.71	1277.6447	-0.0653	-51	1152	1161	LTFLEEEKR						Mascot
	1279.7256	1279.7836	0.058	45	1969	1980	LLSAEKAVTGYK						Mascot
	1302.7012	1302.7203	0.0191	15	1784	1794	LTAELRSVEER						Mascot
	1321.7031	1321.6801	-0.023	-17	861	872	GVLKAMETELSK				Oxidation (M)[6]		Mascot
	1321.7031	1321.6801	-0.023	-17	861	872	GVLKAMETELSK				Oxidation (M)[6]		Mascot
	1334.6587	1334.6307	-0.028	-21	1246	1256	QTYESEIHVTK						Mascot
	1334.6587	1334.6307	-0.028	-21	1246	1256	QTYESEIHVTK						Mascot
	1350.7012	1350.6249	-0.0763	-56	1751	1761	SQYELKEGQIR						Mascot
	1357.6239	1357.7208	0.0969	71	1672	1682	QFSETSMMIQR						Mascot
	1357.6239	1357.7208	0.0969	71	1672	1682	QFSETSMMIQR						Mascot
	1373.6188	1373.7159	0.0971	71	1672	1682	QFSETSMMIQR	5	0		Oxidation (M)[8]		Mascot
	1373.6188	1373.7159	0.0971	71	1672	1682	QFSETSMMIQR				Oxidation (M)[7]		Mascot
	1393.7242	1393.7356	0.0114	8	652	663	EVVMVETDSKLK				Oxidation (M)[4]		Mascot
	1460.7162	1460.8047	0.0885	61	1349	1361	MDLADANRVAQEK						Mascot
	1460.7162	1460.8047	0.0885	61	1349	1361	MDLADANRVAQEK						Mascot
	1475.8217	1475.7606	-0.0611	-41	779	790	YLRAELDLINQK						Mascot
	1535.7734	1535.7439	-0.0295	-19	1799	1811	LQSSDKEISELMR						Mascot
	1678.8759	1678.9548	0.0789	47	2164	2177	KTGIQYDIQESLQR						Mascot
	1684.855	1684.9733	0.1183	70	1911	1924	VMPFYQAMKDGLLR				Oxidation (M)[2]		Mascot
	1689.8303	1689.8571	0.0268	16	925	938	QLNHYQQTSSINR						Mascot
	1700.8861	1700.9706	0.0845	50	1	15	MSLSGSQTRLHQISR						Mascot
	1729.8966	1729.8164	-0.0802	-46	1833	1847	QTQTDEISKPVVEQK						Mascot
	2253.9131	2254.1084	0.1953	87	2423	2441	ISYKEAMDNCMVEENNG MK				Oxidation (M)[7, 11, 18]		Mascot
	2283.1472	2283.1978	0.0506	22	1664	1682	VEIAQIQKQFSETSMMIQ R				Oxidation (M)[15]		Mascot
	2297.9866	2298.2056	0.219	95	2035	2053	GYFDREMNEILSYEGDD TK				Oxidation (M)[7]		Mascot
	2299.1421	2299.2009	0.0588	26	1664	1682	VEIAQIQKQFSETSMMIQ R				Oxidation (M)[15, 16]		Mascot
	3337.5208	3337.7959	0.2751	82	85	114	AQMLYSDCMGFLQRAQ GLETMGPASEVDK				Oxidation (M)[3,9,22]		Mascot

16 PREDICTED: general transcription factor 3C gi|292625227 60505.3 6.88 10 34 0
polypeptide 5 [Danio rerio]

Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
17		882.4468	882.5688	0.122	138	322	328	FGYDPRK					Mascot
		935.5057	935.4583	-0.0474	-51	221	228	DHIIAPNR					Mascot
		996.6564	996.5989	-0.0575	-58	167	174	IILRKPEK					Mascot
		1279.7117	1279.7836	0.0719	56	432	442	IQNLIHKNDGK					Mascot
		1321.7587	1321.6801	-0.0786	-59	104	114	YSSTNLLLRVR					Mascot
		1321.7587	1321.6801	-0.0786	-59	104	114	YSSTNLLLRVR					Mascot
		1350.559	1350.6249	0.0659	49	439	449	NDGKEEVCDER			Carbamidomethyl (C)[8]		Mascot
		1393.7507	1393.7356	-0.0151	-11	463	474	NIISGMIQQYVK					Mascot
		1448.7855	1448.9305	0.145	100	286	298	NAVKANIDIHPEK					Mascot
		1535.8765	1535.7439	-0.1326	-86	475	488	ANRPGPSTQKPVKR					Mascot
		2632.2244	2632.3235	0.0991	38	411	431	EGMLPPYRQMFYQLCDL DVEK			Carbamidomethyl (C)[15]		Mascot
		2632.2244	2632.3235	0.0991	38	411	431	EGMLPPYRQMFYQLCDL DVEK			Carbamidomethyl (C)[15]		Mascot
		2648.2192	2648.3223	0.1031	39	411	431	EGMLPPYRQMFYQLCDL DVEK			Carbamidomethyl (C)[15], Oxidation (M)[3]		Mascot
17	prefoldin subunit 1 [Danio rerio]				gi 61651844		13978.4	8.83	5	33	0	8	0

Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence		Ion Score	C. I.	% Modification	Rank	Result Type
	882.4753	882.5688	0.0935	106	67	73 MFILQSK				Oxidation (M)[1]		Mascot
	887.5196	887.4819	-0.0377	-42	91	97 IKELEQK						Mascot
	1614.8131	1614.8129	-0.0002	0	60	73 MFEGAGRMFILQSK						Mascot
	1707.8734	1707.8312	-0.0422	-25	12	26 AFAELQAKMVDTQQK		8		0		Mascot
	1707.8734	1707.8312	-0.0422	-25	12	26 AFAELQAKMVDTQQK						Mascot
	1994.0626	1993.9885	-0.0741	-37	67	83 MFILQSKGEISNQLLEK				Oxidation (M)[1]		Mascot
18	novel protein similar to vertebrate cytoplasmic linker associated protein 1 (CLASP1) [Danio rerio]				gij159569348		164674.4	8.99	16	32	0	

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1026.548	1026.4692	-0.0788	-77	826	834	NGGIPHYLR				Mascot
1026.548	1026.4692	-0.0788	-77	826	834	NGGIPHYLR				Mascot
1165.6801	1165.7502	0.0701	60	1313	1322	DHTIRALALR				Mascot
1321.5913	1321.6801	0.0888	67	707	718	SQGCSRETSPNR				Mascot

		1321.5913	1321.6801	0.0888	67	707	718	SQGCSRETSPPNR						Mascot
		1334.6304	1334.6307	0.0003	0	730	741	IPRPSMSQGCGR	Oxidation (M)[6]					Mascot
		1334.6304	1334.6307	0.0003	0	730	741	IPRPSMSQGCGR	Oxidation (M)[6]					Mascot
		1357.6747	1357.7208	0.0461	34	1127	1138	GVTEAIQSFSYR						Mascot
		1357.7184	1357.7208	0.0024	2	1335	1345	FKNYAELTIMK						Mascot
		1373.7134	1373.7159	0.0025	2	1335	1345	FKNYAELTIMK	Oxidation (M)[10]					Mascot
		1373.7134	1373.7159	0.0025	2	1335	1345	FKNYAELTIMK	Oxidation (M)[10]					Mascot
		1475.6802	1475.7606	0.0804	54	1288	1299	EDSLAVWDEHFK						Mascot
		1614.9214	1614.8129	-0.1085	-67	1003	1016	LAVSRIITWTTEPK						Mascot
		1700.9078	1700.9706	0.0628	37	1186	1201	TSLNTSPRSFAGPR						Mascot
		1739.7614	1739.8208	0.0594	34	1064	1080	NSSNTSNVSSPSNTMGR						Mascot
		1802.0204	1802.0049	-0.0155	-9	442	458	LPIITSNCTSKSVAVR						Mascot
		2225.207	2225.1375	-0.0695	-31	379	399	SQVVREACITLGHLSLLGNK						Mascot
		2254.1462	2254.1084	-0.0378	-17	1252	1271	GFSPDLVADLLKELSNHNER						Mascot
		2284.0769	2284.1938	0.1169	51	1	19	MEPNMEYCLTQVLQKDVAR	Oxidation (M)[1]					Mascot
		2300.072	2300.198	0.126	55	1	19	MEPNMEYCLTQVLQKDVAR	Oxidation (M)[1,5]					Mascot
		2641.3687	2641.415	0.0463	18	143	167	TREGVCLCLISTLNTYGAQGLTLTK						Mascot
		3338.7485	3338.7847	0.0362	11	50	80	MVDGIATSWVNSSFALLGMDLLSALVTR	Oxidation (M)[1]					Mascot
19	euchromatic histone-lysine N-methyltransferase 1b [Danio rerio]						gi 289191301	140285.8	6.16	16	32	0		
		Peptide Information												
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification		Rank	Result Type
		1026.4772	1026.4692	-0.008	-8	20	28 ETMKSEGTK		3	0	Oxidation (M)[3]			Mascot
		1026.4772	1026.4692	-0.008	-8	20	28 ETMKSEGTK				Oxidation (M)[3]			Mascot
		1179.619	1179.6034	-0.0156	-13	932	941 LDCVNLFLSR							Mascot
		1279.7732	1279.7836	0.0104	8	865	875 HVDQVKLLLLSK							Mascot
		1316.7419	1316.6626	-0.0793	-60	165	176 AETETKNGIILK							Mascot
		1321.6392	1321.6801	0.0409	31	1034	1044 NITHLQYCVCK							Mascot
		1321.6392	1321.6801	0.0409	31	1034	1044 NITHLQYCVCK							Mascot
		1393.7448	1393.7356	-0.0092	-7	398	409 AKGDHAWLRPSR							Mascot
		1614.7871	1614.8129	0.0258	16	120	135 TNWSPTGGTTLGHGDK							Mascot
		1678.8064	1678.9548	0.1484	88	2	18 ASMKTEPSSLANGNSGK							Mascot
		1707.6477	1707.8312	0.1835	107	32	46 SDQEEGGYDDHQDGR							Mascot
		1707.8258	1707.8312	0.0054	3	1019	1033 YVPDSCVTSPLNIDK				Carbamidomethyl (C)[6]			Mascot

	1754.9899	1754.8131	-0.1768	-101	698	713	ETLQSVLLALDAEKP										Mascot
	2254.0625	2254.1084	0.0459	20	511	530	CMATESIDGQLSRCQSA VLK						Carbamidomethyl (C)[1,14]				Mascot
	2283.0557	2283.1978	0.1421	62	47	66	TGPLREAIEQNGTYENM DTK						Oxidation (M)[17]				Mascot
	2615.0088	2615.3284	0.3196	122	1045	1065	DDCSSASCMCGQLSLRC WYDK						Carbamidomethyl (C)[3,8,10,17], Oxidation (M)[9]				Mascot
	3157.314	3157.6069	0.2929	93	556	583	HQCCPGCGFFCRAGTFM ECQPEVNISHR										Mascot
	3337.4897	3337.7959	0.3062	92	1069	1095	LLPEFSNEEPPLIFECNH ACSCWRTCK						Carbamidomethyl (C)[16,20,22]				Mascot
20	novel protein similar to vertebrate desmoplakin (DSP) [Danio rerio]																
							gi 122890640	173751	6.73	19	32	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.5043	882.5688	0.0645	73	888	894	DIEHKLK					Mascot
887.4944	887.4819	-0.0125	-14	425	431	RELDVQK					Mascot
935.468	935.4583	-0.0097	-10	227	235	SAAELETSK					Mascot
1106.5623	1106.5552	-0.0071	-6	435	443	MKLEQNATR			Oxidation (M)[1]		Mascot
1150.6215	1150.5905	-0.031	-27	1407	1415	LQDTRNYIK					Mascot
1150.6215	1150.5905	-0.031	-27	1407	1415	LQDTRNYIK					Mascot
1277.71	1277.6447	-0.0653	-51	155	164	LTFLIEEEKR					Mascot
1279.7256	1279.7836	0.058	45	972	983	LLSAEKAVTGYK					Mascot
1302.7012	1302.7203	0.0191	15	787	797	LTAELRSVEER					Mascot
1334.6587	1334.6307	-0.028	-21	249	259	QTYESEIHVTK					Mascot
1334.6587	1334.6307	-0.028	-21	249	259	QTYESEIHVTK					Mascot
1350.7012	1350.6249	-0.0763	-56	754	764	SQYELKEGQIR					Mascot
1357.6239	1357.7208	0.0969	71	675	685	QFSETSMMIQR					Mascot
1357.6239	1357.7208	0.0969	71	675	685	QFSETSMMIQR					Mascot
1373.6188	1373.7159	0.0971	71	675	685	QFSETSMMIQR	5	0	Oxidation (M)[8]		Mascot
1373.6188	1373.7159	0.0971	71	675	685	QFSETSMMIQR			Oxidation (M)[7]		Mascot
1460.7162	1460.8047	0.0885	61	352	364	MDLADANRVAQEK					Mascot
1460.7162	1460.8047	0.0885	61	352	364	MDLADANRVAQEK					Mascot
1535.7734	1535.7439	-0.0295	-19	802	814	LQSSDKEISELMR					Mascot
1678.8759	1678.9548	0.0789	47	1167	1180	KTGIQYDIQESLQR					Mascot
1684.855	1684.9733	0.1183	70	914	927	VMPFYQAMKDGLLR			Oxidation (M)[2]		Mascot
1700.8499	1700.9706	0.1207	71	914	927	VMPFYQAMKDGLLR			Oxidation (M)[2,8]		Mascot
1729.8966	1729.8164	-0.0802	-46	836	850	QTQTDEISKPVVEQK					Mascot
2253.9131	2254.1084	0.1953	87	1426	1444	ISYKEAMDNCMVEENNG			Oxidation (M)[7,11,18]		Mascot

		2283.1472	2283.1978	0.0506	22	667	685	VEIAQIQKQFSETSMMIQ MK R					Oxidation (M)[15]		Mascot
		2297.9866	2298.2056	0.219	95	1038	1056	GYFDREMNEILSYEGDD TK					Oxidation (M)[7]		Mascot
		2299.1421	2299.2009	0.0588	26	667	685	VEIAQIQKQFSETSMMIQ R					Oxidation (M)[15,16]		Mascot
21	PREDICTED: prostaglandin reductase 2 [Danio rerio]	gij189531025		37647.6	5.69	7	32	0							
Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
		1106.551	1106.5552	0.0042	4	183	193	TVVGICGSDQK						Mascot	
		1357.6821	1357.7208	0.0387	29	44	54	TLYLSVDPYMR						Mascot	
		1357.6821	1357.7208	0.0387	29	44	54	TLYLSVDPYMR						Mascot	
		1373.677	1373.7159	0.0389	28	44	54	TLYLSVDPYMR				Oxidation (M)[10]		Mascot	
		1373.677	1373.7159	0.0389	28	44	54	TLYLSVDPYMR				Oxidation (M)[10]		Mascot	
		1535.7787	1535.7439	-0.0348	-23	297	309	HAEGLMQLSHWVK						Mascot	
		1689.8087	1689.8571	0.0484	29	44	56	TLYLSVDPYMR				Carbamidomethyl (C)[12], Oxidation (M)[10]		Mascot	
		1769.8552	1769.9673	0.1121	63	22	36	ENFRVEETTSSELK						Mascot	
		2641.2932	2641.415	0.1218	46	149	177	GHVTAGAQQTMTVVSGAA GACGSVAGQIGR						Mascot	
		3157.5298	3157.6069	0.0771	24	149	182	GHVTAGAQQTMTVVSGAA GACGSVAGQIGRLDGCK						Mascot	
22	LOC402838 protein [Danio rerio]	gij27882353		64909.8	5.17	10	31	0							
Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
		842.5206	842.5107	-0.0099	-12	30	36	ALQIKNR						Mascot	
		887.4442	887.4819	0.0377	42	236	243	AANRADNR						Mascot	
		1106.6091	1106.5552	-0.0539	-49	168	176	VVEIYENLK						Mascot	
		1393.7169	1393.7356	0.0187	13	2	16	STGSGGSTAVETVIK						Mascot	
		1614.8698	1614.8129	-0.0569	-35	415	428	TEVIQLEDTLAQVR						Mascot	
		1678.8694	1678.9548	0.0854	51	457	470	HLISTLQTHNQMK						Mascot	
		1729.781	1729.8164	0.0354	20	398	411	QLDHMENDEVSLQR				Oxidation (M)[5]		Mascot	
		1801.7657	1802.0049	0.2392	133	91	107	CDQSGSEPVESQPPEGR						Mascot	
		2299.0918	2299.2009	0.1091	47	212	231	LCQLTDGLQKQKSHMTS ESR						Mascot	
		2300.1816	2300.198	0.0164	7	191	211	DGGLWDVAVRLNALLTG MNER						Mascot	
23	novel protein (zgc:113068) [Danio rerio]	gij220673197		105566.2	6.07	12	31	0							

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.5117	996.5989	0.0872	88	496	503	AQLCMRFK					Mascot
1026.4231	1026.4692	0.0461	45	1	9	SLSMEGDCK			Carbamidomethyl (C)[8]		Mascot
1026.4231	1026.4692	0.0461	45	1	9	SLSMEGDCK			Carbamidomethyl (C)[8]		Mascot
1321.7144	1321.6801	-0.0343	-26	333	344	VKESSTVMVVAR			Oxidation (M)[8]		Mascot
1321.7144	1321.6801	-0.0343	-26	333	344	VKESSTVMVVAR			Oxidation (M)[8]		Mascot
1393.7507	1393.7356	-0.0151	-11	923	934	AVVSELIALCYR			Carbamidomethyl (C)[10]		Mascot
1448.7501	1448.9305	0.1804	125	490	501	LFVSHKAQLCMR			Oxidation (M)[11]		Mascot
1460.7825	1460.8047	0.0222	15	573	586	GALGALMTCLRAAR			Carbamidomethyl (C)[9]		Mascot
1460.7825	1460.8047	0.0222	15	573	586	GALGALMTCLRAAR			Carbamidomethyl (C)[9]		Mascot
1689.8887	1689.8571	-0.0316	-19	568	583	VTGNRGALGALMTCLR			Carbamidomethyl (C)[14]		Mascot
1993.9695	1993.9885	0.019	10	616	632	HDQVRMDALGLLCETHR					Mascot
2300.2253	2300.198	-0.0273	-12	158	178	ILVGCHVAQAQLMQYSLA AVK			Carbamidomethyl (C)[5]		Mascot
2615.3035	2615.3284	0.0249	10	640	661	DEMDLIRHFLPFLNLSQS PGIR			Oxidation (M)[3]		Mascot
2630.4561	2630.3174	-0.1387	-53	593	615	LVDEKLWGCLVPIPLMQ QALVHK					Mascot
3338.6948	3338.7847	0.0899	27	243	273	SLLGNGDNLHFIVAGLLQ CSVDAGSTPQWLR			Carbamidomethyl (C)[19]		Mascot
24	beta-carotene oxygenase 2a [Danio rerio]			gi 94536962		62903.9	6.26	9	31	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.5413	1045.5643	0.023	22	178	186	IDPETLETK					Mascot
1106.6456	1106.5552	-0.0904	-82	522	531	STFLLVLDK					Mascot
1277.6161	1277.6447	0.0286	22	295	305	GINEGVYWDPK					Mascot
1302.6787	1302.7203	0.0416	32	178	188	IDPETLETKEK					Mascot
1707.7319	1707.8312	0.0993	58	164	177	GDYYVSTETNFMHK			Oxidation (M)[12]		Mascot
1707.7319	1707.8312	0.0993	58	164	177	GDYYVSTETNFMHK			Oxidation (M)[12]		Mascot
1763.8706	1763.8093	-0.0613	-35	121	136	IIVSEFGTVAMPDPCK			Carbamidomethyl (C)[15]		Mascot
2615.2593	2615.3284	0.0691	26	114	136	ENLEHNRIIVSEFGTVAM PDPCK			Oxidation (M)[18]		Mascot
2632.2036	2632.3235	0.1199	46	78	99	SSFNHWFDGMALLHQFH IEDGK			Oxidation (M)[10]		Mascot
2632.2036	2632.3235	0.1199	46	78	99	SSFNHWFDGMALLHQFH IEDGK			Oxidation (M)[10]		Mascot
3157.457	3157.6069	0.1499	47	151	177	LSDNANVSFVQYKGDYY VSTETNFMHK					Mascot
25	novel protein similar to retinol saturase (all-trans-retinol			gi 169154572		67886.6	7.85	10	31	0	

13,14-reductase) (retsat, zgc:123334)

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank Result Type
850.4516	850.5432	0.0916	108	236	243	TSTSEVVK			Mascot
1302.6742	1302.7203	0.0461	35	17	26	GTFWYLFGR			Mascot
1334.5681	1334.6307	0.0626	47	477	486	GEEYENYKMR		Oxidation (M)[9]	Mascot
1334.5681	1334.6307	0.0626	47	477	486	GEEYENYKMR		Oxidation (M)[9]	Mascot
1535.7212	1535.7439	0.0227	15	487	498	FANHLFDWACVR		Carbamidomethyl (C)[10]	Mascot
1684.8146	1684.9733	0.1587	94	266	280	NSSCMIDALLHHSK		Oxidation (M)[5]	Mascot
2211.1248	2211.1262	0.0014	1	1	16	MWWILLFLEWFVDWAR			Mascot
2211.1248	2211.1262	0.0014	1	1	16	MWWILLFLEWFVDWAR			Mascot
2282.9944	2283.1978	0.2034	89	404	422	LYKGNNVDEMMEEFASDK			Mascot
2298.9893	2299.2009	0.2116	92	404	422	LYKGNNVDEMMEEFASDK		Oxidation (M)[10]	Mascot
2632.3464	2632.3235	-0.0229	-9	317	340	VLVNEQQNAYGVAVKTGDEDIEIK			Mascot
2632.3464	2632.3235	-0.0229	-9	317	340	VLVNEQQNAYGVAVKTGDEDIEIK			Mascot
3337.5615	3337.7959	0.2344	70	552	582	NLYLSGQDIFTAGYSGALHGGFLCASTVMDR		Carbamidomethyl (C)[24], Oxidation (M)[29]	Mascot
3338.6799	3338.7847	0.1048	31	1	25	MWWILLFLEWFVDWARGTFWYLFGR			Mascot
26	PREDICTED: hypothetical protein LOC562053 [Danio rerio]								
				gi 189535582	29270.9	9.01	7	31	0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank Result Type
1316.7355	1316.6626	-0.0729	-55	119	129	TNQVCLREILK			Mascot
1334.6798	1334.6307	-0.0491	-37	155	166	SESSDSLILDR			Mascot
1334.6798	1334.6307	-0.0491	-37	155	166	SESSDSLILDR			Mascot
1373.757	1373.7159	-0.0411	-30	119	129	TNQVCLREILK		Carbamidomethyl (C)[5]	Mascot
1373.757	1373.7159	-0.0411	-30	119	129	TNQVCLREILK		Carbamidomethyl (C)[5]	Mascot
1707.9388	1707.8312	-0.1076	-63	138	154	NALPPALLGLVQSSGDR			Mascot
1707.9388	1707.8312	-0.1076	-63	138	154	NALPPALLGLVQSSGDR			Mascot
1739.9333	1739.8208	-0.1125	-65	189	202	RPDLLQDIRLNACR		Carbamidomethyl (C)[13]	Mascot
1763.9666	1763.8093	-0.1573	-89	218	232	SSLFWPLKCLPGIFR			Mascot
2233.0884	2233.1057	0.0173	8	2	21	AAEIDHDDPFQEILHQIGK			Mascot
2254.0593	2254.1084	0.0491	22	100	118	AMTCSLVIFIFTQDYVCDK		Carbamidomethyl (C)[4]	Mascot

27 PREDICTED: collagen alpha-3(VI) chain [Danio rerio] gi|326670666 159048.8 6.06 10 31 0 18 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1026.5691	1026.4692	-0.0999	-97	1246	1254	LNVPANKDR					Mascot
1026.5691	1026.4692	-0.0999	-97	1246	1254	LNVPANKDR					Mascot
1373.7886	1373.7159	-0.0727	-53	1345	1357	DIGVITLSIESVK	18	0			Mascot
1373.7886	1373.7159	-0.0727	-53	1345	1357	DIGVITLSIESVK					Mascot
1684.8441	1684.9733	0.1292	77	1066	1079	EPQVHFYLNTHATK					Mascot
1700.9	1700.9706	0.0706	42	847	860	RMVLDLDIDQDIVR					Mascot
1729.953	1729.8164	-0.1366	-79	922	937	HHLGVPQVLIVMTGGR			Oxidation (M)[12]		Mascot
1739.8962	1739.8208	-0.0754	-43	800	813	LKNYVNFQEQLTK					Mascot
2211.1577	2211.1262	-0.0315	-14	269	288	MEIDLNSFSSKEALISALV K			Oxidation (M)[1]		Mascot
2211.1577	2211.1262	-0.0315	-14	269	288	MEIDLNSFSSKEALISALV K			Oxidation (M)[1]		Mascot
2233.2122	2233.1057	-0.1065	-48	693	715	AVNGLTLAGGRGLNTGA ALTFMK					Mascot
2269.1975	2269.0459	-0.1516	-67	428	447	DIVFLVDGSNYVGNNLRF VK					Mascot
2630.2693	2630.3174	0.0481	18	93	119	YPGGEANLGAALQEVD SLLGEDAGGR					Mascot

28 anaphase-promoting complex subunit 5 [Danio rerio] gi|41054525 85847.5 6.21 9 31 0 8 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
887.5196	887.4819	-0.0377	-42	286	294	LILSGAEGK					Mascot
996.5182	996.5989	0.0807	81	134	141	QMLLAYNK			Oxidation (M)[2]		Mascot
1026.4972	1026.4692	-0.028	-27	737	744	NRCAMLFR			Oxidation (M)[5]		Mascot
1026.4972	1026.4692	-0.028	-27	737	744	NRCAMLFR			Oxidation (M)[5]		Mascot
1373.7358	1373.7159	-0.0199	-14	307	318	YAVLNLATLHCR	8	0			Mascot
1373.7358	1373.7159	-0.0199	-14	307	318	YAVLNLATLHCR					Mascot
1684.8839	1684.9733	0.0894	53	404	417	LLDALRGTDIMHWK			Oxidation (M)[11]		Mascot
1729.953	1729.8164	-0.1366	-79	304	318	SLRYAVLNLATLHCR					Mascot
1739.8859	1739.8208	-0.0651	-37	512	524	LWMLCDLKIQFEK			Carbamidomethyl (C)[5], Oxidation (M)[3]		Mascot
2654.3857	2654.314	-0.0717	-27	418	440	QSLSELIEISLAQTTSIWR MYGK					Mascot
3337.6851	3337.7959	0.1108	33	241	268	LQDELNNILKFNPDAEA HYLSYLNLSLR					Mascot

29 Ferrochelatase [Danio rerio] gi|62202077 46002.4 8.35 9 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
1460.6886	1460.8047	0.1161	79	273	284 VMDRLGHCNPYR				Mascot
1460.6886	1460.8047	0.1161	79	273	284 VMDRLGHCNPYR				Mascot
1614.8929	1614.8129	-0.08	-50	2	15 AVLGCACRLVQLVR		Carbamidomethyl (C)[5,7]		Mascot
1700.8689	1700.9706	0.1017	60	277	290 LGHCNPYRLVWQSK				Mascot
1729.934	1729.8164	-0.1176	-68	52	67 KPKTGILMLNMGGPEK		Oxidation (M)[8]		Mascot
1801.9041	1802.0049	0.1008	56	151	165 YVHPLTEEAIELMEK				Mascot
2230.0454	2230.2021	0.1567	70	389	408 CPLCVNPTCAQTKAFFSS QK		Carbamidomethyl (C)[1]		Mascot
2269.0781	2269.0459	-0.0322	-14	132	150 LLDDEMCPDTAPHKFYIGF R		Oxidation (M)[5]		Mascot
2298.1733	2298.2056	0.0323	14	291	311 VGPMAWLGPQTDEVIKG LCQR				Mascot
2630.3315	2630.3174	-0.0141	-5	55	77 TGILMLNMGGPEKLEDV HDFLLR		Oxidation (M)[5,8]		Mascot

30 sorting nexin family member 27 [Danio rerio] gi|41054611 64121.8 5.8 10 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
842.5094	842.5107	0.0013	2	121	127 QVVDLIR				Mascot
1179.6368	1179.6034	-0.0334	-28	400	409 VGEKSYQLQK				Mascot
1334.6561	1334.6307	-0.0254	-19	185	195 FVVYNVYMAGR		Oxidation (M)[8]		Mascot
1334.6561	1334.6307	-0.0254	-19	185	195 FVVYNVYMAGR		Oxidation (M)[8]		Mascot
1393.7434	1393.7356	-0.0078	-6	404	414 SYQLQKLTEQR				Mascot
1576.7754	1576.8428	0.0674	43	228	240 WPFSLSEQQLDAR				Mascot
1754.8741	1754.8131	-0.061	-35	298	312 KNCTTDQVYQAVVTK		Carbamidomethyl (C)[3]		Mascot
2225.0283	2225.1375	0.1092	49	24	47 NGSMSAGTCAGGLVAT TVTSGPR		Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot
2232.8743	2233.1057	0.2314	104	425	442 TCEGYNEITFPHCSCDSR		Carbamidomethyl (C)[2,13,15]		Mascot
2269.0989	2269.0459	-0.053	-23	1	23 MADVVEGDGTRSAAPSA IHSAR				Mascot
2283.9321	2284.1938	0.2617	115	482	500 WDTDEEGMAFCFEYARG EK				Mascot
2299.927	2300.198	0.271	118	482	500 WDTDEEGMAFCFEYARG EK		Oxidation (M)[8]		Mascot

31 Josephin-1 [Danio rerio] gi|115497592 26182.5 9.34 6 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
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	1051.5908	1051.7164	0.1256	119	170	177	RQHWIGVR			Mascot	
	1179.6732	1179.6034	-0.0698	-59	96	106	LSPSTLVTPHK			Mascot	
	1357.6635	1357.7208	0.0573	42	178	189	EVAGVYYNLDSK			Mascot	
	1357.6635	1357.7208	0.0573	42	178	189	EVAGVYYNLDSK			Mascot	
	1535.8289	1535.7439	-0.085	-55	190	203	LRSPHAIGTADELRL			Mascot	
	2233.0818	2233.1057	0.0239	11	67	86	ELCALHALNNVFQDGAA FSR	Carbamidomethyl (C)[3]		Mascot	
	2654.3003	2654.314	0.0137	5	64	86	QHRELCALHALNNVFQD GAAFSR	Carbamidomethyl (C)[6]		Mascot	
32	PREDICTED: zinc finger protein 850-like [Danio rerio]				gi 326673953		89557.8	9.2	17	30	0

Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type	
	887.5308	887.4819	-0.0489	-55	680	686 TIKELQR			Mascot	
	1150.6479	1150.5905	-0.0574	-50	371	379 HNPLISWRK			Mascot	
	1150.6479	1150.5905	-0.0574	-50	370	378 KHNPLISWR			Mascot	
	1179.5728	1179.6034	0.0306	26	776	785 SHPCAFFSRK			Mascot	
	1302.7528	1302.7203	-0.0325	-25	1243	1253 INKQITPVSFR			Mascot	
	1321.6317	1321.6801	0.0484	37	501	511 DGGLRPCIDYR		Carbamidomethyl (C)[7]	Mascot	
	1321.6317	1321.6801	0.0484	37	501	511 DGGLRPCIDYR		Carbamidomethyl (C)[7]	Mascot	
	1334.7314	1334.6307	-0.1007	-75	168	178 TLDQFIELSIR			Mascot	
	1334.7314	1334.6307	-0.1007	-75	168	178 TLDQFIELSIR			Mascot	
	1357.7474	1357.7208	-0.0266	-20	22	34 LALPEKYGGNPAK			Mascot	
	1357.7474	1357.7208	-0.0266	-20	22	34 LALPEKYGGNPAK			Mascot	
	1729.8115	1729.8164	0.0049	3	805	818 AAMEEWRHWLEGAK		Oxidation (M)[3]	Mascot	
	1739.8751	1739.8208	-0.0543	-31	485	500 HSTSPASAGFFFVEKK			Mascot	
	1754.9224	1754.8131	-0.1093	-62	1128	1141 YLIWAEYAQNLSRK			Mascot	
	1763.9174	1763.8093	-0.1081	-61	164	178 DEGKTLQFIELSIR			Mascot	
	2225.062	2225.1375	0.0755	34	1313	1331 RGGTLQYLVDWEGYGPEER			Mascot	
	2630.2905	2630.3174	0.0269	10	459	480 IFPLSQTETETMNAYIEEELKK		Oxidation (M)[12]	Mascot	
	2654.2878	2654.314	0.0262	10	433	456 ATELPHTREYDCAIELSPGTTPPR			Mascot	
34	PREDICTED: hypothetical protein LOC100537957 [Danio rerio]				gi 326680154	13500.6	8.77	6	30	0
Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type	
	1334.6595	1334.6307	-0.0288	-22	53	63 AHIIQFMSEMK			Mascot	
	1334.6595	1334.6307	-0.0288	-22	53	63 AHIIQFMSEMK			Mascot	
	1350.6544	1350.6249	-0.0295	-22	53	63 AHIIQFMSEMK		Oxidation (M)[7]	Mascot	
	1475.7377	1475.7606	0.0229	16	35	48 WLSISESGVSGPEK			Mascot	
	1614.7303	1614.8129	0.0826	51	75	86 AEMFHCQFRNFK		Carbamidomethyl (C)[6]	Mascot	
	1763.8931	1763.8093	-0.0838	-48	49	63 AVSRAHIIQFMSEMK		Oxidation (M)[11]	Mascot	
	2225.0344	2225.1375	0.1031	46	94	111 NNWETIGHLWSNFGRCYK			Mascot	
	2297.0999	2297.207	0.1071	47	91	108 YFRNNWETIGHLWSNFG R			Mascot	
35	PR domain containing 1c [Danio rerio]				gi 161347477	15431.7	7.19	5	30	0

Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	887.4944	887.4819	-0.0125	-14	90	97 QPISSSLR						Mascot
	1302.6437	1302.7203	0.0766	59	103	114 QPPPTHDPQGK						Mascot
	1373.7747	1373.7159	-0.0588	-43	90	102 QPISSSLRTSGLK						Mascot
	1373.7747	1373.7159	-0.0588	-43	90	102 QPISSSLRTSGLK						Mascot
	1535.8176	1535.7439	-0.0737	-48	85	97 SLEYRQPISSSLR						Mascot
	1707.8436	1707.8312	-0.0124	-7	121	135 GYTVTEILDLPRTD						Mascot
	1707.8436	1707.8312	-0.0124	-7	121	135 GYTVTEILDLPRTD						Mascot
36	PREDICTED: collagen alpha-1(XXI) chain-like [Danio rerio]					gi 292629362	17314.5	9.43	5	30	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	804.3958	804.2794	-0.1164	-145	89	96 GDKGSQGR						Mascot
	1165.651	1165.7502	0.0992	85	71	82 GLPGRPGVPGMK						Mascot
	2300.2468	2300.198	-0.0488	-21	12	31 DILRSEIPALLSSQHSQHR						Mascot
	2632.1636	2632.3235	0.1599	61	137	160 RQSGEPGQPGVCHPAMCYGAMIR				Carbamidomethyl (C)[13,18], Oxidation (M)[17]		Mascot
	2632.1636	2632.3235	0.1599	61	138	161 GQSGEPGQPGVCHPAMCYGAMIRR				Carbamidomethyl (C)[12,17], Oxidation (M)[16]		Mascot
	2648.1584	2648.3223	0.1639	62	138	161 GQSGEPGQPGVCHPAMCYGAMIRR				Carbamidomethyl (C)[12,17], Oxidation (M)[16,21]		Mascot
37	si:ch211-192p3.1 [Danio rerio]					gi 313661370	60460	9.71	9	30	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	935.4792	935.4583	-0.0209	-22	269	277 ASLNTNTSK						Mascot
	1045.6187	1045.5643	-0.0544	-52	520	528 SMLKPVSKR						Mascot
	1150.5925	1150.5905	-0.002	-2	220	230 AGKEPGTFICK						Mascot
	1150.5925	1150.5905	-0.002	-2	220	230 AGKEPGTFICK						Mascot
	1179.5388	1179.6034	0.0646	55	56	64 ENIYENNQR						Mascot
	1302.6987	1302.7203	0.0216	17	2	12 AAVKALQQWCK				Carbamidomethyl (C)[10]		Mascot
	1684.8865	1684.9733	0.0868	52	382	398 TTPPETTTTPRPAGAGK						Mascot
	1769.8956	1769.9673	0.0717	41	348	364 FFESSSSSPSILVPASK						Mascot
	2269.124	2269.0459	-0.0781	-34	110	132 SPIGGMGGIKRPAEESNEAPSGK						Mascot

	2297.051	2297.207	0.156	68	172	191	SSTPSSNCSVCNQHVHL VQR					Carbamidomethyl (C)[8,11]	Mascot
38	PREDICTED: calcium-dependent secretion activator 1 isoform 2 [Danio rerio]						gi 326668728	149997.5	5.59	15	29	0	

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1026.5077	1026.4692	-0.0385	-38	93	101	CIAYPFNAK						Mascot
1026.5077	1026.4692	-0.0385	-38	93	101	CIAYPFNAK						Mascot
1045.5459	1045.5643	0.0184	18	280	288	LQMADQIAR						Mascot
1150.5739	1150.5905	0.0166	14	1214	1222	VNEEVYIER						Mascot
1150.5739	1150.5905	0.0166	14	1214	1222	VNEEVYIER						Mascot
1179.6343	1179.6034	-0.0309	-26	578	586	ILWVQAMYR						Mascot
1321.6343	1321.6801	0.0458	35	32	43	ISPSRTSESSDR						Mascot
1321.7032	1321.6801	-0.0231	-17	223	235	MTASAASELILSK						Mascot
1350.6504	1350.6249	-0.0255	-19	161	173	MVQTGGLSALDCR						Mascot
1373.8185	1373.7159	-0.1026	-75	777	788	ATLSLLERVLMK	5		0			Mascot
1373.8185	1373.7159	-0.1026	-75	777	788	ATLSLLERVLMK						Mascot
1393.6958	1393.7356	0.0398	29	1212	1222	DKVNEEVYIER						Mascot
1684.7339	1684.9733	0.2394	142	1112	1126	DQSAKLCAMEMGQEK				Oxidation (M)[9]		Mascot
1700.7288	1700.9706	0.2418	142	1112	1126	DQSAKLCAMEMGQEK				Oxidation (M)[9,11]		Mascot
1754.8167	1754.8131	-0.0036	-2	609	624	AAQMDAPISQFYADR						Mascot
2224.9397	2225.1375	0.1978	89	1	20	MLDPSSEEEESDGIVEEE SR						Mascot
2233.166	2233.1057	-0.0603	-27	84	101	LQLYVFMRCIAYPFNAK				Carbamidomethyl (C)[10]		Mascot
2254.092	2254.1084	0.0164	7	945	963	YVDLMESSIAQSIHRGFE R				Oxidation (M)[5]		Mascot
2615.3174	2615.3284	0.011	4	1181	1204	AASKYVEVPKPGMDVAD GYVTFVR				Oxidation (M)[13]		Mascot

39	hypothetical protein LOC100000539 [Danio rerio]						gi 148232441	69297.7	5.68	9	29	0	
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Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
935.425	935.4583	0.0333	36	330	336	ECDEKVR				Carbamidomethyl (C)[2]		Mascot
1277.6592	1277.6447	-0.0145	-11	170	180	VMSVLSLQCPK				Carbamidomethyl (C)[9], Oxidation (M)[2]		Mascot
1769.9115	1769.9673	0.0558	32	438	453	ADGHTAFLELIRACPR						Mascot
2230.0188	2230.2021	0.1833	82	592	610	LSCLDLSGCWEMSLSNIT K				Carbamidomethyl (C)[3,9], Oxidation (M)[12]		Mascot
2299.1963	2299.2009	0.0046	2	350	370	DVQGLSLDTLEAVGKVC PELR				Carbamidomethyl (C)[17]		Mascot

	2455.3352	2455.2314	-0.1038	-42	505	524	QMKPPLCWTSLKDVLWALLR						Carbamidomethyl (C)[7]	Mascot
	2641.3401	2641.415	0.0749	28	371	394	VLSLDCLQNIVNADSFEH GAVLAR						Carbamidomethyl (C)[6]	Mascot
	3157.5364	3157.6069	0.0705	22	127	155	CQNLQSLDLSGSQNISAS VLCELLGSQHR						Carbamidomethyl (C)[1]	Mascot
	3338.6982	3338.7847	0.0865	26	365	394	VCPELRVLSLDCLQNIVN ADSFEHGAVALR						Carbamidomethyl (C)[2]	Mascot
40	bcl-2-related ovarian killer protein homolog B [Danio rerio]				gi 41055421	23818.6	7.71	6	29	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5134	842.5107	-0.0027	-3	161	167	SLVPWLK					Mascot
850.4668	850.5432	0.0764	90	26	32	ELVFQSK					Mascot
887.4985	887.4819	-0.0166	-19	170	177	GGWVDILK					Mascot
1535.8179	1535.7439	-0.074	-48	200	211	EFIKTMYVYLTK					Mascot
1689.9355	1689.8571	-0.0784	-46	124	140	VVAIYAVAAGLAVDCVR					Mascot
2654.3079	2654.314	0.0061	2	178	199	CVVNMDSRRAHVHWLSTAVLTWR			Carbamidomethyl (C)[1], Oxidation (M)[5]		Mascot

41	PREDICTED: rho guanine nucleotide exchange factor 12-like [Danio rerio]				gi 326674149	55540.9	6.42	10	29	0				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1026.5876	1026.4692	-0.1184	-115	146	153	LILRCHSK			Carbamidomethyl (C)[5]		Mascot
1026.5876	1026.4692	-0.1184	-115	146	153	LILRCHSK			Carbamidomethyl (C)[5]		Mascot
1045.5387	1045.5643	0.0256	24	185	193	SFFVISMSK					Mascot
1279.7117	1279.7836	0.0719	56	58	68	QILNHVNQSVK					Mascot
1393.6311	1393.7356	0.1045	75	1	11	MQEAESNRLCR			Carbamidomethyl (C)[10]		Mascot
1448.7566	1448.9305	0.1739	120	17	28	DIIPAEMQRFTK					Mascot
1475.7198	1475.7606	0.0408	28	467	477	EMETKYYNLLR			Oxidation (M)[2]		Mascot
1535.766	1535.7439	-0.0221	-14	251	265	GSDRISTGSIQSAEK					Mascot
1729.8463	1729.8164	-0.0299	-17	478	493	QRPVGSAEADESREK					Mascot
1801.7657	1802.0049	0.2392	133	277	292	DCVPDTNPG EEDQVAR			Carbamidomethyl (C)[2]		Mascot
1993.9899	1993.9885	-0.0014	-1	90	106	QSENPMISEFKNLDTK					Mascot

42	PREDICTED: hypothetical protein LOC100537225 [Danio rerio]				gi 326677219	17749.8	4.92	5	29	0				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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			Seq.		Seq.		Score					
	1150.6295	1150.5905	-0.039	-34	107	115	DFFVLPVWK					Mascot
	1150.6295	1150.5905	-0.039	-34	107	115	DFFVLPVWK					Mascot
	1277.6704	1277.6447	-0.0257	-20	91	101	LICEMARQIGK		Oxidation (M)[5]			Mascot
	1321.5333	1321.6801	0.1468	111	79	90	DMDSHIGNACMK					Mascot
	1321.5333	1321.6801	0.1468	111	79	90	DMDSHIGNACMK					Mascot
	1334.6919	1334.6307	-0.0612	-46	91	101	LICEMARQIGK		Carbamidomethyl (C)[3], Oxidation (M)[5]			Mascot
	1334.6919	1334.6307	-0.0612	-46	91	101	LICEMARQIGK		Carbamidomethyl (C)[3], Oxidation (M)[5]			Mascot
	2210.9482	2211.1262	0.178	81	79	97	DMDSHIGNACMKLICEMAR		Carbamidomethyl (C)[10], Oxidation (M)[2]			Mascot
	2210.9482	2211.1262	0.178	81	79	97	DMDSHIGNACMKLICEMAR		Carbamidomethyl (C)[10], Oxidation (M)[2]			Mascot
	2283.9646	2284.1938	0.2292	100	79	97	DMDSHIGNACMKLICEMAR		Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]			Mascot
	2299.9597	2300.198	0.2383	104	79	97	DMDSHIGNACMKLICEMAR		Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]			Mascot
	2641.1843	2641.415	0.2307	87	69	90	EEFWSLGLLRDMDSHIGNACMK		Carbamidomethyl (C)[20], Oxidation (M)[12,21]			Mascot
43	PREDICTED: GTPase IMAP family member 8 [Danio rerio]				gij326674352		83853.5	5.62	10	29	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4366	842.5107	0.0741	88	49	56	HSEIAGTK					Mascot
1026.4752	1026.4692	-0.006	-6	661	668	GHHEYIDR					Mascot
1026.4752	1026.4692	-0.006	-6	661	668	GHHEYIDR					Mascot
1106.496	1106.5552	0.0592	54	713	723	SQEAPGESSK					Mascot
1150.6466	1150.5905	-0.0561	-49	244	254	IVLLGYNSSGK					Mascot
1150.6466	1150.5905	-0.0561	-49	244	254	IVLLGYNSSGK					Mascot
1302.676	1302.7203	0.0443	34	274	285	RSVIQEGDVSGR					Mascot
1321.7184	1321.6801	-0.0383	-29	520	531	KLTVVCTPGFEK					Mascot
1321.7184	1321.6801	-0.0383	-29	520	531	KLTVVCTPGFEK					Mascot
1535.6941	1535.7439	0.0498	32	108	119	QNEKDILCDNMR			Carbamidomethyl (C)[8]		Mascot
2233.1533	2233.1057	-0.0476	-21	1	20	MNPSSPYDSSELRIILLGPK			Oxidation (M)[1]		Mascot
2615.4014	2615.3284	-0.073	-28	89	111	CPPGPHVLLLVLNVDTPFKQNEK			Carbamidomethyl (C)[1]		Mascot
2641.1934	2641.415	0.2216	84	713	738	SQEAPGESSKMSGVQSLGSIPEFD					Mascot

44 Chain A, The X-Ray Structure Of Zebrafish Rnase5 gi|312597298 14502.2 9.24 6 28 0

Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		996.46	996.5989	0.1389	139	28	35 CDRAMSIK			Carbamidomethyl (C)[1], Oxidation (M)[5]		Mascot
		1150.6102	1150.5905	-0.0197	-17	47	56 EVNTFIQATK					Mascot
		1150.6102	1150.5905	-0.0197	-17	47	56 EVNTFIQATK					Mascot
		1350.6444	1350.6249	-0.0195	-14	89	99 SGNRRPNCQYR					Mascot
		1460.793	1460.8047	0.0117	8	76	88 SNQPFPPVVTCKLK					Mascot
		1460.793	1460.8047	0.0117	8	76	88 SNQPFPPVVTCKLK					Mascot
		1689.8376	1689.8571	0.0195	12	14	27 FLRQHVDADMSVQK			Oxidation (M)[10]		Mascot
		1769.8605	1769.9673	0.1068	60	114	128 GWPVHYDEGIIDVNR					Mascot
45	Zgc:136513 protein [Danio rerio]						gi 92096381	10593.2	9.27	4	28	0
	Peptide Information											
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		842.4982	842.5107	0.0125	15	38	45 SPLTLSPK					Mascot
		1026.5731	1026.4692	-0.1039	-101	29	36 NYISVFKR	6		0		Mascot
		1026.5731	1026.4692	-0.1039	-101	29	36 NYISVFKR					Mascot
		1302.778	1302.7203	-0.0577	-44	47	58 KYAVAVVSPQLK					Mascot
		2282.9553	2283.1978	0.2425	106	59	78 HDSCETGQSDVLFTFGS HCR			Carbamidomethyl (C)[4]		Mascot
46	PREDICTED: calcium-dependent secretion activator 1 [Danio rerio]						gi 326668730	145894.4	5.69	15	28	0
	Peptide Information											
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		1026.5077	1026.4692	-0.0385	-38	93	101 CIAYPFNAK					Mascot
		1026.5077	1026.4692	-0.0385	-38	93	101 CIAYPFNAK					Mascot
		1045.5459	1045.5643	0.0184	18	280	288 LQMADQIAR					Mascot
		1150.5739	1150.5905	0.0166	14	1174	1182 VNEEVYIER					Mascot
		1150.5739	1150.5905	0.0166	14	1174	1182 VNEEVYIER					Mascot
		1179.6343	1179.6034	-0.0309	-26	578	586 ILWVQAMYR					Mascot
		1321.6343	1321.6801	0.0458	35	32	43 ISPSRTSESSDR					Mascot
		1321.7032	1321.6801	-0.0231	-17	223	235 MTASAASELILSK					Mascot
		1350.6504	1350.6249	-0.0255	-19	161	173 MVQTGGLSALDCR					Mascot
		1373.8185	1373.7159	-0.1026	-75	777	788 ATLSLLERVLMK	5		0		Mascot
		1373.8185	1373.7159	-0.1026	-75	777	788 ATLSLLERVLMK					Mascot

	1393.6958	1393.7356	0.0398	29	1172	1182	DKVNEEVYIER						Mascot
	1684.7339	1684.9733	0.2394	142	1072	1086	DQSAKLCAMEMGQEK			Oxidation (M)[9]			Mascot
	1700.7288	1700.9706	0.2418	142	1072	1086	DQSAKLCAMEMGQEK			Oxidation (M)[9,11]			Mascot
	1754.8167	1754.8131	-0.0036	-2	609	624	AAAQMDAPISQFYADR						Mascot
	2224.9397	2225.1375	0.1978	89	1	20	MLDPSSSEESDGIVEEE SR						Mascot
	2233.166	2233.1057	-0.0603	-27	84	101	LQLYVFVMRCIAYPFNAK			Carbamidomethyl (C)[10]			Mascot
	2254.092	2254.1084	0.0164	7	959	977	YVDLMESSIAQSIHRGFE R			Oxidation (M)[5]			Mascot
	2615.3174	2615.3284	0.011	4	1141	1164	AASKYVEVPKPGMDVAD GYVTFVR			Oxidation (M)[13]			Mascot
47	Glutathione peroxidase 1b [Danio rerio]				gi 51859004		16361.4	7.68	5	28	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1165.6099	1165.7502	0.1403	120	125	135	FLTSGIDGDIK					Mascot
1179.6409	1179.6034	-0.0375	-32	109	119	FLIGSDGVPFK					Mascot
1279.6429	1279.7836	0.1407	110	40	50	YVRPGNGYEPK					Mascot
1321.7111	1321.6801	-0.031	-23	124	135	RFLTSGIDGDIK					Mascot
1321.7111	1321.6801	-0.031	-23	124	135	RFLTSGIDGDIK					Mascot
2297.1602	2297.207	0.0468	20	100	119	NDIAWNFEKFLIGSDGVP FK					Mascot

48 novel zinc finger protein [Danio rerio] gi|130496620 52184.8 6.71 11 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
935.4614	935.4583	-0.0031	-3	148	154	LNEEMKR			Oxidation (M)[5]		Mascot
996.4818	996.5989	0.1171	118	67	74	NVCESFLK			Carbamidomethyl (C)[3]		Mascot
1045.5887	1045.5643	-0.0244	-23	132	140	KEELNTALK					Mascot
1106.4718	1106.5552	0.0834	75	43	51	NTQECPVCR			Carbamidomethyl (C)[5]		Mascot
1150.5851	1150.5905	0.0054	5	399	407	VRVDLDYDR					Mascot
1150.5851	1150.5905	0.0054	5	399	407	VRVDLDYDR					Mascot
1165.6285	1165.7502	0.1217	104	95	103	LKLFLEDK			Carbamidomethyl (C)[5]		Mascot
1357.6932	1357.7208	0.0276	20	344	354	HCWIVEVKESK					Mascot
1357.6932	1357.7208	0.0276	20	344	354	HCWIVEVKESK					Mascot
1475.7714	1475.7606	-0.0108	-7	355	367	RWSLGVTTASNQR					Mascot
1535.7345	1535.7439	0.0094	6	20	32	TPVLLSCSHSFCK			Carbamidomethyl (C)[7,12]		Mascot
1801.8169	1802.0049	0.188	104	227	241	DMEEMLKANDVCFLK			Oxidation (M)[2]		Mascot

2283.13452283.19780.063328420437HLHTYTTTTFTHTLYPFFR

Mascot

49adenine nucleotide translocator 3 [Danio rerio]gi|19245356632742.99.757280

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
935.5308	935.4583	-0.0725	-77	164	171	IFKSDGLR					Mascot
996.4536	996.5989	0.1453	146	237	244	RMMMQSGR					Mascot
1350.7198	1350.6249	-0.0949	-70	50	60	QYKGIVDCIVR			Carbamidomethyl (C)[8]		Mascot
1689.8635	1689.8571	-0.0064	-4	81	94	YFPTQALNFAFKDK					Mascot
1729.8037	1729.8164	0.0127	7	246	260	GADIMYTGTLDCWRK					Mascot
2284.2236	2284.1938	-0.0298	-13	73	92	GNLANVIRYFPTQALNFAFK					Mascot
2455.3091	2455.2314	-0.0777	-32	167	188	SDGLRGLYQGFFNVSVQGIIIYR					Mascot

50chloride channel 1, skeletal muscle [Danio rerio]gi|130498679103825.46.471257.528

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1026.4851	1026.4692	-0.0159	-15	694	702	NLFSSSSER	25	7.528		2	Mascot

Gel Idx/Pos	226/J2	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	RecName: Full=L-lactate dehydrogenase B-A chain; Short=LDH-B-A	gi 313104308	36224	6.4	6	245	100	222	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
913.5828	913.5813	-0.0015	-2	92	100	IVVVTAGVR					Mascot
1418.8002	1418.802	0.0018	1	8	21	LITPLASGPAEPPR					Mascot
1418.8002	1418.802	0.0018	1	8	21	LITPLASGPAEPPR	73	99.999			Mascot
1685.8593	1685.8613	0.002	1	44	58	ELADELALVDVVEDR					Mascot
1685.8593	1685.8613	0.002	1	44	58	ELADELALVDVVEDR	148	100			Mascot
1844.9939	1844.9989	0.005	3	59	74	LKGEMLDLQHGSFLK			Oxidation (M)[5]		Mascot
2045.1245	2045.1313	0.0068	3	24	43	VTIVGVGQVGMACAVSVLLR			Carbamidomethyl (C)[13], Oxidation (M)[11]		Mascot

	2151.1331	2151.1392	0.0061	3	247	266	GYTNWAIGLSVADLTETL VK							Mascot
2	prostaglandin reductase 1 [Danio rerio]				gi 56693373		35789.1	6.19	6	166	100	142	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
908.4658	908.4657	-0.0001	0	268	275	MEGFLVGR						Mascot
924.4607	924.4619	0.0012	1	268	275	MEGFLVGR				Oxidation (M)[1]		Mascot
975.4682	975.4663	-0.0019	-2	11	18	QHFDGFPK						Mascot
1086.6041	1086.6035	-0.0006	-1	196	205	TVPSLEEALK						Mascot
1331.6266	1331.6287	0.0021	2	185	195	ELGFDQAFNYK	57	99.956				Mascot
1331.6266	1331.6287	0.0021	2	185	195	ELGFDQAFNYK						Mascot
1626.7805	1626.7838	0.0033	2	75	89	SNNPSFPVGCHVVGR	85	100		Carbamidomethyl (C)[10]		Mascot
1626.7805	1626.7838	0.0033	2	75	89	SNNPSFPVGCHVVGR				Carbamidomethyl (C)[10]		Mascot
2156.9812	2157	0.0188	9	300	318	EHVTVGFEENMPAAFMGM LK				Oxidation (M)[10,15,17]		Mascot

3	PREDICTED: prostaglandin reductase 1-like [Danio rerio]				gi 125821425		36603.8	8.26	2	63	97.718	57	99.956	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1086.6041	1086.6035	-0.0006	-1	201	210	TVPSLEEALK						Mascot
1331.6266	1331.6287	0.0021	2	190	200	ELGFDQAFNYK	57	99.956				Mascot
1331.6266	1331.6287	0.0021	2	190	200	ELGFDQAFNYK						Mascot

4	structural maintenance of chromosomes protein 6 [Danio rerio]				gi 190358624		126205.1	8.74	21	44	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4304	850.5429	0.1125	132	133	139	DAYKPEK						Mascot
850.4304	850.5429	0.1125	132	133	139	DAYKPEK						Mascot
864.4355	864.5372	0.1017	118	769	775	RQTQTCK						Mascot
868.4635	868.5515	0.088	101	366	373	TAEAALHR						Mascot
958.4635	958.4433	-0.0202	-21	631	639	GGQAPRNCR						Mascot
975.4741	975.4663	-0.0078	-8	299	306	EQITAEER						Mascot
996.5585	996.5972	0.0387	39	366	374	TAEAALHRK						Mascot
996.5585	996.5972	0.0387	39	366	374	TAEAALHRK						Mascot

1086.5513	1086.6035	0.0522	48	552	559	IMGRFYQR	Oxidation (M)[2]	Mascot
1233.6433	1233.7218	0.0785	64	868	878	TAKSLDSEINR		Mascot
1279.606	1279.7781	0.1721	134	467	477	QRDLAAMESSR	Oxidation (M)[7]	Mascot
1352.6515	1352.7363	0.0848	63	757	768	ISVCGEEFEALR		Mascot
1393.6958	1393.7307	0.0349	25	428	439	DSTLAQQIDQFK		Mascot
1418.687	1418.802	0.115	81	806	817	LNNSDQEVERSK		Mascot
1418.687	1418.802	0.115	81	806	817	LNNSDQEVERSK		Mascot
1439.7026	1439.7291	0.0265	18	1078	1090	GHSALPFSQRNPE		Mascot
1503.7334	1503.7828	0.0494	33	213	224	FFMKATQLDQMK	Oxidation (M)[3]	Mascot
1626.8011	1626.7838	-0.0173	-11	1033	1046	ISMDMMLKIAASQR	Oxidation (M)[3,5]	Mascot
1626.8011	1626.7838	-0.0173	-11	1033	1046	ISMDMMLKIAASQR	Oxidation (M)[3,5]	Mascot
1784.8571	1784.9138	0.0567	32	932	945	HNVYAEMRMYLSVR	Oxidation (M)[7]	Mascot
1985.996	1986.0566	0.0606	31	845	862	EQELQAAIAKASEICPER		Mascot
2052.0469	2052.1045	0.0576	28	668	684	DVEEEIRHLQSALQTQR		Mascot
2297.0432	2297.1953	0.1521	66	280	298	NQMAWALVAEMEDEM PMK	Oxidation (M)[3,11]	Mascot
2299.175	2299.1907	0.0157	7	963	983	MIFDCHKNEILSISVQPGEG GK		Mascot
3338.4729	3338.7664	0.2935	88	520	547	DQDLALAVECCCLKALMLA FCCDNHADER	Carbamidomethyl (C)[10,11,20,21]	Mascot

5 hypothetical protein LOC751722 [Danio rerio] gi|113679753 31904.4 6.69 9 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.577	870.5435	-0.0335	-38	190	197	LLLLKAAK					Mascot
1086.4996	1086.6035	0.1039	96	1	9	MNNLNPPR			Oxidation (M)[1]		Mascot
1279.6616	1279.7781	0.1165	91	231	240	NGNLMWLYLR					Mascot
1331.6195	1331.6287	0.0092	7	219	229	HCADLLNMDKR			Oxidation (M)[8]		Mascot
1331.6195	1331.6287	0.0092	7	219	229	HCADLLNMDKR			Oxidation (M)[8]		Mascot
1640.9442	1640.8029	-0.1413	-86	132	147	LLQSGVAGTALRDALR					Mascot
1685.8639	1685.8613	-0.0026	-2	103	116	ALISHSQQLMEERK			Oxidation (M)[10]		Mascot
1685.8639	1685.8613	-0.0026	-2	102	115	KALISHSQQLMEER			Oxidation (M)[11]		Mascot
2166.1011	2166.0542	-0.0469	-22	198	215	HMLGAELHLEEDLRDIFK					Mascot
2225.1409	2225.1257	-0.0152	-7	74	92	ETLTENQRTAAHLELELE K					Mascot
2225.1409	2225.1257	-0.0152	-7	74	92	ETLTENQRTAAHLELELE K					Mascot

6 fin bud initiation factor precursor [Danio rerio] gi|224922848 24213.1 5.12 8 43 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type		
	842.3898	842.51	0.1202	143	57	62 CQMLFK			Carbamidomethyl (C)[1], Oxidation (M)[3]		Mascot		
	913.4962	913.5813	0.0851	93	195	202 SHGTRLSR					Mascot		
	975.4741	975.4663	-0.0078	-8	145	152 QSQENELK					Mascot		
	1331.7417	1331.6287	-0.113	-85	174	185 ETLDISLGLKDK					Mascot		
	1331.7417	1331.6287	-0.113	-85	174	185 ETLDISLGLKDK					Mascot		
	1393.6265	1393.7307	0.1042	75	69	80 CTLDEDQDSVIR					Mascot		
	1498.7133	1498.7201	0.0068	5	145	156 QSQENELKEEHK					Mascot		
	2157.0938	2157	-0.0938	-43	1	19 MGTMASPLFIACLLSM R			Carbamidomethyl (C)[14], Oxidation (M)[1,4]		Mascot		
	2283.0808	2283.188	0.1072	47	69	87 CTLDEDQDSVIRDDFTIIK			Carbamidomethyl (C)[1]		Mascot		
	2283.0808	2283.188	0.1072	47	69	87 CTLDEDQDSVIRDDFTIIK			Carbamidomethyl (C)[1]		Mascot		
7	novel protein [Danio rerio]				gi 126632850		14386.2	8.68	6	40	0	1	0

Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		842.473	842.51	0.037	44	14	21 TAITTHAK					Mascot
		996.5737	996.5972	0.0235	24	104	111 TLPWRPAR					Mascot
		996.5737	996.5972	0.0235	24	104	111 TLPWRPAR	1		0		Mascot
		1418.7461	1418.802	0.0559	39	1	13 MGLPGKPTFTDVR					Mascot
		1418.7461	1418.802	0.0559	39	1	13 MGLPGKPTFTDVR					Mascot
		1626.6887	1626.7838	0.0951	58	32	45 VAQFMCHDTSTSDK			Carbamidomethyl (C)[6]		Mascot
		1626.6887	1626.7838	0.0951	58	32	45 VAQFMCHDTSTSDK			Carbamidomethyl (C)[6]		Mascot
		1754.7837	1754.8033	0.0196	11	31	45 KVAQFMCHDTSTSDK			Carbamidomethyl (C)[7]		Mascot
		1985.8934	1986.0566	0.1632	82	66	84 ALVEEEEDGEAAGTESP PR					Mascot

8 PREDICTED: ribonuclease inhibitor-like [Danio rerio] gi|326678374 93203.1 5.41 13 40 0

Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		868.5978	868.5515	-0.0463	-53	261	267 LIILQLR					Mascot
		958.4588	958.4433	-0.0155	-16	638	647 GNDPGQSGVK					Mascot
		1320.6803	1320.6271	-0.0532	-40	68	78 HCTLNLTMLFK					Mascot
		1393.7434	1393.7307	-0.0127	-9	626	637 SNPSHLIELDLR					Mascot
		1498.7133	1498.7201	0.0068	5	348	360 ELNLSDELGDTR					Mascot

	2045.022	2045.1313	0.1093	53	414	432	LGDLDEKLSALLMDSH SK		Oxidation (M)[14]	Mascot	
	2052.0105	2052.1045	0.094	46	18	36	FLSPAADEACQFLAEVVG K		Carbamidomethyl (C)[10]	Mascot	
	2225.094	2225.1257	0.0317	14	814	832	LENSGVKNLSDLLMYPQ CK		Carbamidomethyl (C)[18], Oxidation (M)[14]	Mascot	
	2225.094	2225.1257	0.0317	14	814	832	LENSGVKNLSDLLMYPQ CK		Carbamidomethyl (C)[18], Oxidation (M)[14]	Mascot	
	2297.0562	2297.1953	0.1391	61	571	591	SDSSLKELDMSNNNLQD SGVK		Oxidation (M)[10]	Mascot	
	2298.1316	2298.1985	0.0669	29	268	290	GCGLTEESCSALATVLKS NSSLK			Mascot	
	2300.093	2300.1873	0.0943	41	438	458	LNNCELTEKSCSVLATCL SSK		Carbamidomethyl (C)[4]	Mascot	
	3004.4722	3004.3591	-0.1131	-38	544	570	HCTIKTLMHNCGLTEES CSALTTILR		Oxidation (M)[8]	Mascot	
	3338.6758	3338.7664	0.0906	27	197	227	MNQTKSLLTPSQFLSPAA EEACQFVTGVVGK		Carbamidomethyl (C)[22]	Mascot	
9	vacuolar protein sorting 4 homolog b-like [Danio rerio]					gi 155369339	48868.1	6.66	9	38	0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.4148	848.5279	0.1131	133	201	207	WLGESEK					Mascot
882.5658	882.5671	0.0013	1	141	148	EAVILPIK					Mascot
1045.5789	1045.5626	-0.0163	-16	348	356	KVQSATHFK					Mascot
1352.5861	1352.7363	0.1502	111	386	396	EMTWMEVPG EK			Oxidation (M)[2]		Mascot
1498.786	1498.7201	-0.0659	-44	81	94	APAKPVKESQSN DK					Mascot
1503.791	1503.7828	-0.0082	-5	397	409	LLEPIVMSDMLR					Mascot
1535.7808	1535.7725	-0.0083	-5	397	409	LLEPIVMSDMLR			Oxidation (M)[8,11]		Mascot
2045.1212	2045.1313	0.0101	5	108	125	KFQNQLSGAIVMEKPN IK					Mascot
2283.1536	2283.188	0.0344	15	305	325	LNLGTTPNLSLTESDFMTL GKK			Oxidation (M)[16]		Mascot
2283.1536	2283.188	0.0344	15	305	325	LNLGTTPNLSLTESDFMTL GKK			Oxidation (M)[16]		Mascot
3004.5559	3004.3591	-0.1968	-66	211	236	SLFTLAREHKPSIIFIDEID SLCGSR			Carbamidomethyl (C)[23]		Mascot

10 novel gene [Danio rerio] gi|55962596 45409.6 7.22 9 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5458	842.51	-0.0358	-42	391	397	KLIDVVR					Mascot
848.4471	848.5279	0.0808	95	334	341	EVGSSLTR					Mascot
996.5109	996.5972	0.0863	87	136	143	LHIDQNEK					Mascot
996.5109	996.5972	0.0863	87	136	143	LHIDQNEK					Mascot
1233.6586	1233.7218	0.0632	51	71	82	AVTETGPAFGRK					Mascot

1397.7172	1397.7433	0.0261	19	172	182	NNLTIYQNVYR	Mascot
1503.6785	1503.7828	0.1043	69	19	31	NGCTDEYISNFLK	Mascot
1535.7853	1535.7725	-0.0128	-8	183	195	SAVIEYGIWDQVR	Mascot
1685.8645	1685.8613	-0.0032	-2	121	135	NLNPIPYAAEYVGHK	Mascot
1685.8645	1685.8613	-0.0032	-2	121	135	NLNPIPYAAEYVGHK	Mascot
2501.1587	2501.2512	0.0925	37	217	237	NNTERQPYCQTPSTNNHIVER	Mascot

11 Ba2 globin [Danio rerio] gi|31419195 16392.3 7.7 6 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
958.572	958.4433	-0.1287	-134	10	18	TAILGLWGK					Mascot
1062.5612	1062.6921	0.1309	123	75	83	AIKNMDNIK			Oxidation (M)[5]		Mascot
1367.6731	1367.7344	0.0613	45	106	118	LLADCITVCAAMK			Oxidation (M)[12]		Mascot
1439.7853	1439.7291	-0.0562	-39	19	31	LNIDEIAPQALSR					Mascot
1985.9789	1986.0566	0.0777	39	42	60	YFATFGNLSSPAAIMGNPK					Mascot
2166.0317	2166.0542	0.0225	10	78	96	NMDNIKNTYAALSMHSEK					Mascot

12 vacuolar protein sorting-associated protein 4B [Danio rerio] gi|41053850 48887.2 7 9 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.4148	848.5279	0.1131	133	201	207	WLGESEK					Mascot
882.5658	882.5671	0.0013	1	141	148	EAVILPIK					Mascot
1045.5789	1045.5626	-0.0163	-16	348	356	KVQSATHFK					Mascot
1352.5861	1352.7363	0.1502	111	386	396	EMTWMEVPGEK			Oxidation (M)[2]		Mascot
1498.786	1498.7201	-0.0659	-44	81	94	APAKPVKESQSN DK					Mascot
1503.791	1503.7828	-0.0082	-5	397	409	LLEPIVMSDMLR					Mascot
1535.7808	1535.7725	-0.0083	-5	397	409	LLEPIVMSDMLR			Oxidation (M)[8,11]		Mascot
2045.1212	2045.1313	0.0101	5	108	125	KFQNQLSGAIVMEKPNIK					Mascot
2283.1536	2283.188	0.0344	15	305	325	LNLGTPNSLTESDFMTLGKK			Oxidation (M)[16]		Mascot
2283.1536	2283.188	0.0344	15	305	325	LNLGTPNSLTESDFMTLGKK			Oxidation (M)[16]		Mascot
3004.5559	3004.3591	-0.1968	-66	211	236	SLFTLAREHKPSIIFIDEIDSLCGSR			Carbamidomethyl (C)[23]		Mascot

13 sorting nexin family member 27 [Danio rerio] gi|41054611 64121.8 5.8 10 36 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
842.5094	842.51	0.0006	1	121	127	QVVDLIR				Mascot
1331.7351	1331.6287	-0.1064	-80	284	295	IAMPDKTTVTVR				Mascot
1331.7351	1331.6287	-0.1064	-80	284	295	IAMPDKTTVTVR				Mascot
1393.7434	1393.7307	-0.0127	-9	404	414	SYQLQKLTEQR				Mascot
1626.7792	1626.7838	0.0046	3	299	312	NCTTDQVYQAVVTK			Carbamidomethyl (C)[2]	Mascot
1626.7792	1626.7838	0.0046	3	299	312	NCTTDQVYQAVVTK			Carbamidomethyl (C)[2]	Mascot
1754.8741	1754.8033	-0.0708	-40	298	312	KNCTTDQVYQAVVTK			Carbamidomethyl (C)[3]	Mascot
1985.7681	1986.0566	0.2885	145	482	497	WDTDEEGMAFCFEYAR			Oxidation (M)[8]	Mascot
2225.0283	2225.1257	0.0974	44	24	47	NGSGMSAGTCAGGLVAT TVTSGPR			Carbamidomethyl (C)[10], Oxidation (M)[5]	Mascot
2225.0283	2225.1257	0.0974	44	24	47	NGSGMSAGTCAGGLVAT TVTSGPR			Carbamidomethyl (C)[10], Oxidation (M)[5]	Mascot
2232.8743	2233.0903	0.216	97	425	442	TCEGYNEITFPHCSCDSR			Carbamidomethyl (C)[2,13,15]	Mascot
2283.9321	2284.1812	0.2491	109	482	500	WDTDEEGMAFCFEYARG EK				Mascot
2299.927	2300.1873	0.2603	113	482	500	WDTDEEGMAFCFEYARG EK			Oxidation (M)[8]	Mascot
3089.5876	3089.5994	0.0118	4	337	363	LAPNEFPHKLYVQNYTSA VPGTCLTLR			Carbamidomethyl (C)[23]	Mascot
14	mitofusin-1 [Danio rerio]			gi 41055265		84215.9	5.88	13	36	0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
908.3843	908.4657	0.0814	90	128	135	TEGSEEEK					Mascot
975.4741	975.4663	-0.0078	-8	692	699	DLESDIQR					Mascot
1311.7631	1311.6329	-0.1302	-99	381	391	NQLNLLIQDIK					Mascot
1367.6688	1367.7344	0.0656	48	124	135	AFLKTEGSEEEK					Mascot
1393.6416	1393.7307	0.0891	64	319	330	SFEECISHSAVK			Carbamidomethyl (C)[5]		Mascot
1439.858	1439.7291	-0.1289	-90	381	392	NQLNLLIQDIKK					Mascot
1448.8008	1448.9255	0.1247	86	275	287	AQAPNRIFFVSAK					Mascot
1503.8352	1503.7828	-0.0524	-35	597	610	TSMSVIIVGGVVWR					Mascot
1535.7006	1535.7725	0.0719	47	39	52	ETCANESLENIANK					Mascot
1784.7432	1784.9138	0.1706	96	240	254	WDASAAEPEYMEDVR			Oxidation (M)[11]		Mascot
2052.0544	2052.1045	0.0501	24	616	632	LIALSMSMYGLLYLYER			Oxidation (M)[6]		Mascot
2283.1074	2283.188	0.0806	35	719	737	HKATALEMQLEDFSSQY LR			Oxidation (M)[8]		Mascot
2283.1074	2283.188	0.0806	35	719	737	HKATALEMQLEDFSSQY LR			Oxidation (M)[8]		Mascot

3089.5347

3089.5994

0.0647

21

168

195

CALLRDDLVLVDSPGTDV
TTELDSWIDK

Mascot

15

rho-associated protein kinase 2 [Danio rerio]

gi|27819643

159673.7

5.77

20

36

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
848.4545	848.5279	0.0734	87	15	21	QLEAMIK			Oxidation (M)[5]		Mascot
850.4318	850.5429	0.1111	131	1157	1162	RFGWER					Mascot
850.4318	850.5429	0.1111	131	1157	1162	RFGWER					Mascot
868.428	868.5515	0.1235	142	1285	1291	CHIKCHK					Mascot
870.454	870.5435	0.0895	103	498	504	SVESHRR					Mascot
908.4683	908.4657	-0.0026	-3	569	576	KTQTESSK					Mascot
924.3727	924.4619	0.0892	96	839	846	QSDSGQMK			Oxidation (M)[7]		Mascot
975.4741	975.4663	-0.0078	-8	1103	1110	DSDIEQLR					Mascot
1045.6252	1045.5626	-0.0626	-60	1065	1073	EKLNSTIIK					Mascot
1086.4456	1086.6035	0.1579	145	1289	1296	CHKDHMDK			Carbamidomethyl (C)[1], Oxidation (M)[6]		Mascot
1165.6034	1165.7461	0.1427	122	313	322	NIICAFLTDR					Mascot
1165.6034	1165.7461	0.1427	122	313	322	NIICAFLTDR					Mascot
1233.5892	1233.7218	0.1326	107	514	523	CLENEVNSLR			Carbamidomethyl (C)[1]		Mascot
1331.6624	1331.6287	-0.0337	-25	200	210	DVKPDNMLLDR			Oxidation (M)[7]		Mascot
1331.6624	1331.6287	-0.0337	-25	200	210	DVKPDNMLLDR			Oxidation (M)[7]		Mascot
1418.7281	1418.802	0.0739	52	1356	1367	VQSSQSMRRPSR					Mascot
1418.7281	1418.802	0.0739	52	1356	1367	VQSSQSMRRPSR					Mascot
1439.7278	1439.7291	0.0013	1	53	63	NIENFLNRYEK					Mascot
1503.7948	1503.7828	-0.012	-8	1018	1030	TQAVNKLAEIMNR			Oxidation (M)[11]		Mascot
1626.8962	1626.7838	-0.1124	-69	1143	1156	LEGWLSLPVRNNTK					Mascot
1626.8962	1626.7838	-0.1124	-69	1143	1156	LEGWLSLPVRNNTK					Mascot
1640.7924	1640.8029	0.0105	6	211	224	YGHKLADFGTCMK			Carbamidomethyl (C)[12]		Mascot
1986.025	1986.0566	0.0316	16	549	566	QLDEANALLRAESEVATR					Mascot
2051.9373	2052.1045	0.1672	81	514	530	CLENEVNSLRDQLDEMK			Oxidation (M)[16]		Mascot
3337.583	3337.769	0.186	56	150	178	SLYVMVMEYMPGGDLVNL TSTDVPEKWAK					Mascot

16

Fin bud initiation factor [Danio rerio]

gi|62204463

23923.9

5.12

7

35

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.3898	842.51	0.1202	143	54	59	CQMLFK			Carbamidomethyl (C)[1], Oxidation (M)[3]		Mascot

	913.4962	913.5813	0.0851	93	192	199	SHGTRLSR						Mascot
	975.4741	975.4663	-0.0078	-8	142	149	QSQENELK						Mascot
	1331.7417	1331.6287	-0.113	-85	171	182	ETLDISLGLKDK						Mascot
	1331.7417	1331.6287	-0.113	-85	171	182	ETLDISLGLKDK						Mascot
	1393.6265	1393.7307	0.1042	75	66	77	CTLDEDQDSVIR						Mascot
	1498.7133	1498.7201	0.0068	5	142	153	QSQENELKEEHK						Mascot
	2283.0808	2283.188	0.1072	47	66	84	CTLDEDQDSVIRDDFTIHK			Carbamidomethyl (C)[1]			Mascot
	2283.0808	2283.188	0.1072	47	66	84	CTLDEDQDSVIRDDFTIHK			Carbamidomethyl (C)[1]			Mascot
17	lft81 protein [Danio rerio]				gi 145337899	29908.3	5.76	8	35	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.5519	870.5435	-0.0084	-10	200	206	VLRQQVK					Mascot
1045.5636	1045.5626	-0.001	-1	14	21	TEEILRER					Mascot
1397.6399	1397.7433	0.1034	74	63	74	GRTLDDMSEMVK			Oxidation (M)[7]		Mascot
1640.7697	1640.8029	0.0332	20	112	126	KAQYETCAAGLESNR					Mascot
1700.8126	1700.9633	0.1507	89	99	112	QEHAELAPEYEEKK					Mascot
1784.8231	1784.9138	0.0907	51	113	128	AQYETCAAGLESNRSK			Carbamidomethyl (C)[6]		Mascot
2225.0879	2225.1257	0.0378	17	147	163	YHHINCEREIIESQIQR			Carbamidomethyl (C)[6]		Mascot
2225.0879	2225.1257	0.0378	17	147	163	YHHINCEREIIESQIQR			Carbamidomethyl (C)[6]		Mascot
2283.1914	2283.188	-0.0034	-1	234	254	QCYLKAQSQAPIGHVIQD VGK					Mascot
2283.1914	2283.188	-0.0034	-1	234	254	QCYLKAQSQAPIGHVIQD VGK					Mascot

18 DEAD (Asp-Glu-Ala-Asp) box polypeptide 3 [Danio rerio] gi|187608185 78286.6 8.48 12 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5094	842.51	0.0006	1	436	442	EIQILAR					Mascot
868.4232	868.5515	0.1283	148	384	390	IGLDYCK			Carbamidomethyl (C)[6]		Mascot
996.5182	996.5972	0.079	79	382	390	GKIGLDYCK					Mascot
996.5182	996.5972	0.079	79	382	390	GKIGLDYCK					Mascot
1051.616	1051.714	0.098	93	34	41	RYIPPHLR					Mascot
1051.616	1051.714	0.098	93	34	41	RYIPPHLR					Mascot
1320.5963	1320.6271	0.0308	23	425	435	QTMMFSATFPK			Oxidation (M)[3,4]		Mascot
1352.6338	1352.7363	0.1025	76	400	410	MLDMGFEPQIR			Oxidation (M)[1]		Mascot

1397.7059	1397.7433	0.0374	27	500	511	KGADALEDFLYR					Mascot
1448.7744	1448.9255	0.1511	104	325	336	ELALQIYDEARK					Mascot
1498.7537	1498.7201	-0.0336	-22	583	596	VGNLGLATSFYNDK					Mascot
1535.7131	1535.7725	0.0594	39	650	664	QMPGGGNTFGNRGAR			Oxidation (M)[2]		Mascot
1685.7449	1685.8613	0.1164	69	647	661	DYRQMPGGGNTFGNR			Oxidation (M)[5]		Mascot
1685.7449	1685.8613	0.1164	69	647	661	DYRQMPGGGNTFGNR			Oxidation (M)[5]		Mascot
2045.0881	2045.1313	0.0432	21	540	559	CPIMVATAVAARGLDISN VK			Oxidation (M)[4]		Mascot

19 L-asparaginase [Danio rerio] gi|61806630 32907.4 5.83 8 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
848.491	848.5279	0.0369	43	106	112	LVMEKTK					Mascot
864.4858	864.5372	0.0514	59	106	112	LVMEKTK			Oxidation (M)[3]		Mascot
1503.7737	1503.7828	0.0091	6	113	126	HLCLTAEGASKFAR					Mascot
1626.9148	1626.7838	-0.131	-81	1	16	MLPVVVHGGAGHIPK			Oxidation (M)[1]		Mascot
1626.9148	1626.7838	-0.131	-81	1	16	MLPVVVHGGAGHIPK			Oxidation (M)[1]		Mascot
1985.996	1986.0566	0.0606	31	40	59	GGSAVDAVVEAVALMET NPR					Mascot
2044.8521	2045.1313	0.2792	137	192	211	MEGRVGDTPCVGCGGY ADNK			Oxidation (M)[1]		Mascot
2284.0835	2284.1812	0.0977	43	127	146	SMGVPEVPEESLITDYAK MR			Oxidation (M)[2,19]		Mascot
3004.396	3004.3591	-0.0369	-12	196	226	VGDTPCVGCGGYADNKI GAVSPTGHGEAIMK					Mascot
3020.3909	3020.3516	-0.0393	-13	196	226	VGDTPCVGCGGYADNKI GAVSPTGHGEAIMK			Oxidation (M)[30]		Mascot
3089.3828	3089.5994	0.2166	70	165	195	MGTVGAVAVDMDGNAC ATSTGGMINKMEGR			Oxidation (M)[1,11]		Mascot

20 hypothetical protein LOC393702 [Danio rerio] gi|41152266 20567.3 5.44 6 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4131	864.5372	0.1241	144	128	135	VISCEEGK					Mascot
1320.6907	1320.6271	-0.0636	-48	152	162	ENQTAVEVFKR					Mascot
1397.7821	1397.7433	-0.0388	-28	98	109	VIHEKLLDMVGK			Oxidation (M)[9]		Mascot
1700.8635	1700.9633	0.0998	59	163	178	IILEAEKMDGGAPQGR			Oxidation (M)[8]		Mascot
1954.1228	1954.1207	-0.0021	-1	103	120	LLDMVGKVQVPIMLVGN K					Mascot
1986.1125	1986.0566	-0.0559	-28	103	120	LLDMVGKVQVPIMLVGN K			Oxidation (M)[4,13]		Mascot
3337.6475	3337.769	0.1215	36	16	45	SVGKSSLTIQFVEGQFVD					Mascot

21 fast skeletal myosin alkali light chain 1 [Danio rerio] SYDPTIENTFTK gi|41053385 20918.4 4.63 6 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1233.5892	1233.7218	0.1326	107	138	149	EGNGTVMGAELR					Mascot
1439.7529	1439.7291	-0.0238	-17	16	30	AEPAPAPAPAPEPPK					Mascot
1844.9423	1844.9989	0.0566	31	86	102	EVTKILGNPTADDMVNK					Mascot
2174.1313	2174.1067	-0.0246	-11	104	122	VDFEGFLPMLQVVINPNK					Mascot
2233.1394	2233.0903	-0.0491	-22	66	85	VAYNQIADIMRALGQNPTNK			Oxidation (M)[10]		Mascot
3020.2957	3020.3516	0.0559	19	159	185	MSEAEIDALMQGQEDENGCVNYEAFVK					Mascot

22 PREDICTED: Down syndrome cell adhesion molecule like 1 [Danio rerio] gi|292621329 232717.7 8.83 14 32 0 15 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4501	882.5671	0.117	133	56	62	DCKTFLR					Mascot
924.4785	924.4619	-0.0166	-18	479	486	IVSSFSEK					Mascot
1165.5782	1165.7461	0.1679	144	2	11	TVPRMGGYER	15		0		Mascot
1165.5782	1165.7461	0.1679	144	2	11	TVPRMGGYER					Mascot
1207.6001	1207.5027	-0.0974	-81	974	982	SMNLRWTQR			Oxidation (M)[2]		Mascot
1233.6005	1233.7218	0.1213	98	873	883	GQNKELNCTAR					Mascot
1498.78	1498.7201	-0.0599	-40	1131	1143	FAQYGVVVQAFNR					Mascot
1535.7596	1535.7725	0.0129	8	487	501	VVAPGEPFSLMCAAK			Oxidation (M)[11]		Mascot
1626.875	1626.7838	-0.0912	-56	1130	1143	KFAQYGVVVQAFNR					Mascot
1626.875	1626.7838	-0.0912	-56	1130	1143	KFAQYGVVVQAFNR					Mascot
1640.7511	1640.8029	0.0518	32	1398	1412	DSEDTAIPVTQDGHR					Mascot
1685.8792	1685.8613	-0.0179	-11	1985	1999	KQAEHLDPVPPR					Mascot
1685.9432	1685.8613	-0.0819	-49	917	931	SDEVISTLKLKPAER	6		0		Mascot
1754.8638	1754.8033	-0.0605	-34	681	696	LMYIACVVSSGDMPIR					Mascot
2299.1499	2299.1907	0.0408	18	610	629	DGMLLPDNRQVVYENGTLK					Mascot
3089.5095	3089.5994	0.0899	29	345	372	LTGLTISDLRLSDSGNYICEVTNSFGSK			Carbamidomethyl (C)[19]		Mascot

23 plexin b2b [Danio rerio] gi|309243104 203041.6 6.62 17 31 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	850.4206	850.5429	0.1223	144	213	218 YLHDFR					Mascot
	850.4206	850.5429	0.1223	144	213	218 YLHDFR					Mascot
	870.4791	870.5435	0.0644	74	1699	1705 TEHKLSR					Mascot
	975.5217	975.4663	-0.0554	-57	1366	1373 RSETVVER					Mascot
	996.522	996.5972	0.0752	75	369	376 HDKDIVNR					Mascot
	996.522	996.5972	0.0752	75	369	376 HDKDIVNR					Mascot
	1051.5717	1051.714	0.1423	135	479	487 VPVQACHLK			Carbamidomethyl (C)[6]		Mascot
	1051.5717	1051.714	0.1423	135	479	487 VPVQACHLK			Carbamidomethyl (C)[6]		Mascot
	1086.5215	1086.6035	0.082	75	1723	1730 RNVDEYYK					Mascot
	1331.7351	1331.6287	-0.1064	-80	114	125 GICSLNLTNVK			Carbamidomethyl (C)[3]		Mascot
	1331.7351	1331.6287	-0.1064	-80	114	125 GICSLNLTNVK			Carbamidomethyl (C)[3]		Mascot
	1397.5977	1397.7433	0.1456	104	498	509 DPYCGWCVLEGR					Mascot
	1535.8097	1535.7725	-0.0372	-24	1114	1127 SVITENSMTIIVTGR			Oxidation (M)[8]		Mascot
	1626.9061	1626.7838	-0.1223	-75	1797	1811 LQQIAAALENKVTDL					Mascot
	1626.9061	1626.7838	-0.1223	-75	1797	1811 LQQIAAALENKVTDL					Mascot
	1700.9846	1700.9633	-0.0213	-13	1654	1667 TNSLPLRFWVNILK					Mascot
	1754.8741	1754.8033	-0.0708	-40	767	782 IDSSLNVTLNCSLGR					Mascot
	1844.9905	1844.9989	0.0084	5	685	700 FENPDPVLIPVGKTR					Mascot
	2300.0752	2300.1873	0.1121	49	286	305 ELAQVMTDSGEYGTIKE WDK					Mascot
	2501.2302	2501.2512	0.021	8	306	328 VLFVVASSEEGATESALC MYPLK			Carbamidomethyl (C)[18]		Mascot
	3089.7578	3089.5994	-0.1584	-51	1204	1231 YSLPLAVIIPAVLVPMLMII AISVVCYR			Oxidation (M)[16,18]		Mascot
	3337.5974	3337.769	0.1716	51	1086	1113 TFVQLDNLQMELTPFAYY PNPTFDELSK			Oxidation (M)[10]		Mascot
24	arrestin 3a, retinal (X-arrestin) [Danio rerio]				gi 50539878		39475.5	6.05	8	31	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
	870.4389	870.5435	0.1046	120	1	7 MADKVYK		Oxidation (M)[1]		Mascot
	975.5403	975.4663	-0.074	-76	161	168 DTCRLVIR				Mascot
	1320.7245	1320.6271	-0.0974	-74	49	59 KVVWQLACAFR				Mascot
	1393.8124	1393.7307	-0.0817	-59	312	323 EMLGILVSYKIK				Mascot
	1448.7228	1448.9255	0.2027	140	294	306 DEDTNLASTTIIR				Mascot
	1700.8597	1700.9633	0.1036	61	307	321 TGMDKEMLGILVSYK		Oxidation (M)[3]		Mascot
	1985.9927	1986.0566	0.0639	32	22	39 RDYVDHVDVDDAVEGAV				Mascot

	2501.2336	2501.2512	0.0176	7	183	204	K AELCKSFMMSDKPVLL ASLEK					Oxidation (M)[8,9]	Mascot
25	hypothetical protein LOC100158480 [Xenopus (Silurana) tropicalis]				gi 189230136	48869.1	6.2	8	31	0			
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	% Modification	Rank	Result Type
	882.5658	882.5671	0.0013	1	141	148	EAVILPIK						Mascot
	1045.5789	1045.5626	-0.0163	-16	348	356	KVQSATHFK						Mascot
	1352.5861	1352.7363	0.1502	111	386	396	EMTWMEVPGEK				Oxidation (M)[2]		Mascot
	1498.786	1498.7201	-0.0659	-44	81	94	APAKPVKESQSN DK						Mascot
	1503.791	1503.7828	-0.0082	-5	397	409	LLEPIVMSDMLR						Mascot
	1535.7808	1535.7725	-0.0083	-5	397	409	LLEPIVMSDMLR				Oxidation (M)[8, 11]		Mascot
	2045.1212	2045.1313	0.0101	5	108	125	KFQNQLSGAIVMEKPNIK						Mascot
	2283.1536	2283.188	0.0344	15	305	325	LNLGTTPNSLTESDFMTL GKK				Oxidation (M)[16]		Mascot
	2283.1536	2283.188	0.0344	15	305	325	LNLGTTPNSLTESDFMTL GKK				Oxidation (M)[16]		Mascot
	3004.5559	3004.3591	-0.1968	-66	211	236	SLFTLAREHKPSIIFIDEID SLCGSR				Carbamidomethyl (C)[23]		Mascot
26	PREDICTED: thyroglobulin [Danio rerio]				gi 292622408	277440.2	5.37	22	31	0			
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	% Modification	Rank	Result Type
	850.4668	850.5429	0.0761	89	763	769	QVSEFLK						Mascot
	850.4668	850.5429	0.0761	89	763	769	QVSEFLK						Mascot
	908.36	908.4657	0.1057	116	553	559	CPSQCEK				Carbamidomethyl (C)[1,5]		Mascot
	924.4819	924.4619	-0.02	-22	1283	1290	SKLSCTTK				Carbamidomethyl (C)[5]		Mascot
	1045.5823	1045.5626	-0.0197	-19	560	568	ERQMAIAVK						Mascot
	1062.5579	1062.6921	0.1342	126	1954	1962	EPAQSVYIR						Mascot
	1086.5725	1086.6035	0.031	29	984	992	ELPMTRSPR						Mascot
	1279.6528	1279.7781	0.1253	98	569	581	ASSSAGSEVFIPK						Mascot
	1352.728	1352.7363	0.0083	6	2217	2229	SKPAHSINAAQTK						Mascot
	1367.5831	1367.7344	0.1513	111	210	220	FRCPSPCESER				Carbamidomethyl (C)[3]		Mascot
	1393.7838	1393.7307	-0.0531	-38	373	384	LQENLFGGKFLK						Mascot
	1439.6431	1439.7291	0.086	60	1607	1621	TLSACSGSAVGEDSR						Mascot
	1448.7379	1448.9255	0.1876	129	1291	1304	GDFLSAQKDPVSGK						Mascot
	1498.757	1498.7201	-0.0369	-25	1285	1298	LSCTTKGDFLSAQK						Mascot

	1638.7751	1638.8604	0.0853	52	1605	1621	AKTLSACSGSAVGEDSR						Mascot
	1700.8424	1700.9633	0.1209	71	1848	1862	NPDVCPPFSLRSPSK				Carbamidomethyl (C)[5]		Mascot
	1754.7546	1754.8033	0.0487	28	729	744	QCWCVDLEGDMLAGSK						Mascot
	1844.9865	1844.9989	0.0124	7	2132	2149	NIALFGGDPTKVTGAER						Mascot
	1953.8469	1954.1207	0.2738	140	141	156	KAYPELSSYCFCADSR				Carbamidomethyl (C)[10,12]		Mascot
	2166.0039	2166.0542	0.0503	23	2015	2033	FSPQPADWTGTWNATF SR						Mascot
	2174.189	2174.1067	-0.0823	-38	342	362	VTNILADVLQGMFPSGAL ALK				Oxidation (M)[12]		Mascot
	2284.072	2284.1812	0.1092	48	1607	1629	TLSACSGSAVGEDSRSA LSDSVK				Carbamidomethyl (C)[5]		Mascot
	3089.5217	3089.5994	0.0777	25	1702	1728	VCGAYDKPLRQTCSLVM TQSLQTAYQK				Carbamidomethyl (C)[2]		Mascot
27	PREDICTED: myomesin-2 [Danio rerio]				gi 326671673		164417.3	8.26	15	30	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.3899	842.51	0.1201	143	1212	1217	LQCYMK			Carbamidomethyl (C)[3]		Mascot
848.4481	848.5279	0.0798	94	106	112	GMMPLRK			Oxidation (M)[2]		Mascot
864.4429	864.5372	0.0943	109	106	112	GMMPLRK			Oxidation (M)[2,3]		Mascot
1086.5619	1086.6035	0.0416	38	1121	1128	ETKFTWFK					Mascot
1207.5775	1207.5027	-0.0748	-62	292	303	WAEMSVGGGVAK			Oxidation (M)[4]		Mascot
1311.7056	1311.6329	-0.0727	-55	130	140	SHTVWEKTPVK					Mascot
1331.7469	1331.6287	-0.1182	-89	500	510	GRAPVWYLIEK					Mascot
1331.7469	1331.6287	-0.1182	-89	500	510	GRAPVWYLIEK					Mascot
1640.8754	1640.8029	-0.0725	-44	836	850	VTGLESASYVFRVR					Mascot
1700.8966	1700.9633	0.0667	39	983	996	TELNYEILEKGHVR					Mascot
2052.0735	2052.1045	0.031	15	141	157	LFCTVSGQPTPIVKWYR			Carbamidomethyl (C)[3]		Mascot
2157.1008	2157	-0.1008	-47	1027	1045	ISHDVSTGIIQMTIEHFTK					Mascot
2284.0229	2284.1812	0.1583	69	1240	1259	MRIGGTSEMAWMQICEP TDK					Mascot
2298.103	2298.1985	0.0955	42	187	209	CAVSDSGVYSAVATNPQ GKATSK			Carbamidomethyl (C)[1]		Mascot
2299.1538	2299.1907	0.0369	16	829	848	VEHCFLKVTGLESASYV FR			Carbamidomethyl (C)[4]		Mascot
2300.0178	2300.1873	0.1695	74	1240	1259	MRIGGTSEMAWMQICEP TDK			Oxidation (M)[1]		Mascot
3089.5823	3089.5994	0.0171	6	1182	1211	VFEDIINAIASAGSSASDL VLQCTPEGIR					Mascot
3337.6211	3337.769	0.1479	44	599	627	HATNLLGYYVDASVVG KDWFCNHRPYK					Mascot

28 novel protein (zgc:114168) [Danio rerio] gi|220673162 33328.8 5.18 7 30 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1045.516	1045.5626	0.0466	45	256	264 STELPDVER					Mascot
	1367.757	1367.7344	-0.0226	-17	265	275 LKPYQSLIDK					Mascot
	1626.8638	1626.7838	-0.08	-49	112	125 DWFQLVGLIHDTV					Mascot
	1626.8638	1626.7838	-0.08	-49	112	125 DWFQLVGLIHDTV					Mascot
	2157.0359	2157	-0.0359	-17	148	166 FQNSIVFRNSTFEGNPDG K					Mascot
	2166.0171	2166.0542	0.0371	17	167	185 NPALNTEFGIYEPQCGLD K			Carbamidomethyl (C)[15]		Mascot
	2233.1399	2233.0903	-0.0496	-22	107	125 EHPDKDWFQLVGLIHDTV GK					Mascot
	2298.1118	2298.1985	0.0867	38	2	21 RVVNMGPDPSPSLAYRPEC HEK					Mascot
29	nuclear receptor ROR-beta [Danio rerio]				gi 130490232		52627.3	7.49	9	30	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	850.4273	850.5429	0.1156	136	70	77 CLALGMSR					Mascot
	850.4273	850.5429	0.1156	136	70	77 CLALGMSR					Mascot
	913.456	913.5813	0.1253	137	255	261 MYQSKTR					Mascot
	1279.6497	1279.7781	0.1284	100	70	81 CLALGMSRDAVK			Oxidation (M)[6]		Mascot
	1320.6763	1320.6271	-0.0492	-37	70	81 CLALGMSRDAVK			Carbamidomethyl (C)[1]		Mascot
	1418.6984	1418.802	0.1036	73	454	466 ELFNPDAAAVMPK			Oxidation (M)[11]		Mascot
	1418.6984	1418.802	0.1036	73	454	466 ELFNPDAAAVMPK			Oxidation (M)[11]		Mascot
	1638.7401	1638.8604	0.1203	73	37	50 SQQNNASYSCPRQR					Mascot
	1700.8199	1700.9633	0.1434	84	338	353 TLGCDDLVSADFVDFAK					Mascot
	1953.9673	1954.1207	0.1534	79	313	329 MCRAFNPLNNTVLFEGK					Mascot
	2052.0503	2052.1045	0.0542	26	286	302 ITGFMELCQNDQILLK			Carbamidomethyl (C)[8], Oxidation (M)[5]		Mascot
	2151.1301	2151.1392	0.0091	4	285	302 RITGFMELCQNDQILLK			Oxidation (M)[6]		Mascot
30	malate dehydrogenase, mitochondrial [Danio rerio]				gi 47085883		35397.5	8.4	7	30	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1233.7201	1233.7218	0.0017	1	165	175 IFGVTTLDIVR					Mascot
	1320.6793	1320.6271	-0.0522	-40	78	90 GYIGADQLGDALK					Mascot
	1352.7355	1352.7363	0.0008	1	91	103 GCEVVVIPAGVPR			Carbamidomethyl (C)[2]		Mascot
	1503.7802	1503.7828	0.0026	2	215	228 VEFPADQLSALTGR					Mascot

2044.8949	2045.1313	0.2364	116	269	285	EGVVECSFVRSEETECK	Carbamidomethyl (C)[6,16]	Mascot
2166.0496	2166.0542	0.0046	2	110	129	DDLFTNATIVATLVDGC AR	Carbamidomethyl (C)[18]	Mascot
3089.5901	3089.5994	0.0093	3	45	73	NSPLVSELSLFDIAHTPG VAADLSHIETR		Mascot

31 RecName: Full=Contactin-1a; AltName: gi|55976512 114263.1 6.25 12 30 0
Full=F3/F11/contactin; AltName: Full=Neural cell
recognition m

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
975.4927	975.4663	-0.0264	-27	977	984	QSIDLPMR			Oxidation (M)[7]		Mascot
1045.5173	1045.5626	0.0453	43	562	569	DAQHYQRK					Mascot
1062.5513	1062.6921	0.1408	133	442	449	VVFECRPR			Carbamidomethyl (C)[5]		Mascot
1331.5797	1331.6287	0.049	37	492	502	YTCFAENDRGR					Mascot
1331.5797	1331.6287	0.049	37	492	502	YTCFAENDRGR					Mascot
1418.7283	1418.802	0.0737	52	1	12	MIPEAFQPRAMK					Mascot
1418.7283	1418.802	0.0737	52	1	12	MIPEAFQPRAMK					Mascot
2224.9749	2225.1257	0.1508	68	388	406	FSRLGFEDSGMYQCVAE NR			Oxidation (M)[11]		Mascot
2225.1772	2225.1257	-0.0515	-23	695	716	VIATNTLTGTGPPSESPK TTTR					Mascot
2283.092	2283.188	0.096	42	594	614	YSCTAQTVPDNTTASAE VVR			Carbamidomethyl (C)[3]		Mascot
2283.092	2283.188	0.096	42	594	614	YSCTAQTVPDNTTASAE VVR			Carbamidomethyl (C)[3]		Mascot
2284.2131	2284.1812	-0.0319	-14	442	460	VVFECRPRAAPRPNITW SK			Carbamidomethyl (C)[5]		Mascot
2299.1426	2299.1907	0.0481	21	986	1007	GEYLVVRAHSEGGDGA VAQVR					Mascot
3089.4314	3089.5994	0.168	54	391	417	LGFEESGMYQCVAENRH GVIHANAELR			Carbamidomethyl (C)[11], Oxidation (M)[8]		Mascot
3338.7102	3338.7664	0.0562	17	256	284	SPDSWALLGQNVLTLECF ALGNPIQIRWR			Carbamidomethyl (C)[16]		Mascot

32 PREDICTED: izumo sperm-egg fusion protein 1-like gi|326665195 38579.9 6.1 7 29 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.4216	870.5435	0.1219	140	92	97	HWKEDR					Mascot
975.5217	975.4663	-0.0554	-57	240	248	DQKGTALSR					Mascot
1393.7223	1393.7307	0.0084	6	53	63	KIIDHAYTNYR					Mascot
1640.8464	1640.8029	-0.0435	-27	119	132	HLEIFIAEGLCPNK			Carbamidomethyl (C)[11]		Mascot
1845.0116	1844.9989	-0.0127	-7	98	113	TNSLQWDLITIVEKGK					Mascot

	2151.1477	2151.1392	-0.0085	-4	221	239	IVLNQLSVSEEGSYRCLL							Mascot
							K							
	2300.2659	2300.1873	-0.0786	-34	1	20	MTLPILLGWFLTLCSSHIV							Mascot
							R							
33	CWF19-like protein 2 [Danio rerio]				gi 76253886		110501.9	8.48	12	29	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
958.47	958.4433	-0.0267	-28	357	364	SPNAERER					Mascot
975.5105	975.4663	-0.0442	-45	247	255	SLDSVVAER					Mascot
1045.5571	1045.5626	0.0055	5	579	587	LRAQMEAAAR					Mascot
1062.5619	1062.6921	0.1302	123	193	200	LELNPYWK					Mascot
1498.8046	1498.7201	-0.0845	-56	915	927	EILGGMLDLEPRR					Mascot
1700.7705	1700.9633	0.1928	113	830	842	HLHMYECVPMPR			Carbamidomethyl (C)[8], Oxidation (M)[4, 11]		Mascot
1844.8959	1844.9989	0.103	56	1	17	MAAYGVNFESANSIKSR					Mascot
1954.0044	1954.1207	0.1163	60	943	957	VLKFAQWWKPFDDTK			Carbamidomethyl (C)[13]		Mascot
1985.9774	1986.0566	0.0792	40	506	523	SSAVQDSETPTLQKHTE K					Mascot
2284.0623	2284.1812	0.1189	52	393	413	GSSSNQSAAFRKPDDV EMSR			Oxidation (M)[19]		Mascot
2298.0239	2298.1985	0.1746	76	810	828	MFESQELDCVFLETHMN PK					Mascot
3089.3362	3089.5994	0.2632	85	533	559	TTTTVSSSESEEEEEELI LTDEEMNK					Mascot

34	Rorb protein [Danio rerio]				gi 66910331		45200.7	8.99	8	29	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4273	850.5429	0.1156	136	70	77	CLALGMSR					Mascot
850.4273	850.5429	0.1156	136	70	77	CLALGMSR					Mascot
913.456	913.5813	0.1253	137	255	261	MYQSKTR					Mascot
1279.6497	1279.7781	0.1284	100	70	81	CLALGMSRDAVK			Oxidation (M)[6]		Mascot
1320.6763	1320.6271	-0.0492	-37	70	81	CLALGMSRDAVK			Carbamidomethyl (C)[1]		Mascot
1638.7401	1638.8604	0.1203	73	37	50	SQQNNASYSCPRQR					Mascot
1700.8199	1700.9633	0.1434	84	338	353	TLGCDDLVSADFVDFAK					Mascot
1953.9673	1954.1207	0.1534	79	313	329	MCRAFNPLNNTVLFEGK					Mascot
2052.0503	2052.1045	0.0542	26	286	302	ITGFMELCQNDQILLLK			Carbamidomethyl (C)[8], Oxidation (M)[5]		Mascot
2151.1301	2151.1392	0.0091	4	285	302	RITGFMELCQNDQILLLK			Oxidation (M)[6]		Mascot

35	novel protein [Danio rerio]				gi 148725296		79374.4	6.72	10	29	0		
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Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank Result Type	
848.477	848.5279	0.0509	60	506	512	MRLIGSR		Oxidation (M)[1]	Mascot	
864.4937	864.5372	0.0435	50	433	439	EVFRVSK			Mascot	
908.5563	908.4657	-0.0906	-100	513	520	EPLPLLAR			Mascot	
1165.6034	1165.7461	0.1427	122	225	234	FCEQAVTIVR			Mascot	
1165.6034	1165.7461	0.1427	122	225	234	FCEQAVTIVR			Mascot	
1233.5706	1233.7218	0.1512	123	612	622	QDQGSLTAEER			Mascot	
1352.7208	1352.7363	0.0155	11	531	541	ELKGYYPNQK			Mascot	
1638.842	1638.8604	0.0184	11	534	546	GYYPNQKNIICR		Carbamidomethyl (C)[12]	Mascot	
2166.0132	2166.0542	0.041	19	679	698	VFGDILDGTSMPVGTDQ QNR		Oxidation (M)[11]	Mascot	
2283.1875	2283.188	0.0005	0	447	466	MFSPIPVCILHVINNDTLE K			Mascot	
2283.2554	2283.188	-0.0674	-30	8	29	ESSAGLLQSQDALASNK PLLLK			Mascot	
2299.1824	2299.1907	0.0083	4	447	466	MFSPIPVCILHVINNDTLE K		Oxidation (M)[1]	Mascot	
36	contactin-1a precursor [Danio rerio]			gi 136256388		114246.1	6.19	12	29	0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank Result Type
975.4927	975.4663	-0.0264	-27	977	984	QSIDLPMR		Oxidation (M)[7]	Mascot
1045.5173	1045.5626	0.0453	43	562	569	DAQHYQRK			Mascot
1062.5513	1062.6921	0.1408	133	442	449	VVFECRPR		Carbamidomethyl (C)[5]	Mascot
1331.5797	1331.6287	0.049	37	492	502	YTCFAENDRGR			Mascot
1331.5797	1331.6287	0.049	37	492	502	YTCFAENDRGR			Mascot
1418.7283	1418.802	0.0737	52	1	12	MIPEAFQPRAMK			Mascot
1418.7283	1418.802	0.0737	52	1	12	MIPEAFQPRAMK			Mascot
1638.7581	1638.8604	0.1023	62	931	944	MHYSGSSINIAWEK		Oxidation (M)[1]	Mascot
2224.9749	2225.1257	0.1508	68	388	406	FSRLGFEDSGMYQCVAE NR		Oxidation (M)[11]	Mascot
2225.1772	2225.1257	-0.0515	-23	695	716	VIATNTLTGTPPSESPK TTTR			Mascot
2283.092	2283.188	0.096	42	594	614	YSCTAQTPVDNTTASAE L VVR		Carbamidomethyl (C)[3]	Mascot
2283.092	2283.188	0.096	42	594	614	YSCTAQTPVDNTTASAE L VVR		Carbamidomethyl (C)[3]	Mascot
2284.2131	2284.1812	-0.0319	-14	442	460	VVFECRPRAAPRPNITW SK		Carbamidomethyl (C)[5]	Mascot
2299.1426	2299.1907	0.0481	21	986	1007	GEYLVVRAHSEGGDGA VAQVR			Mascot
3089.4314	3089.5994	0.168	54	391	417	LGFEDSGMYQCVAENRH		Carbamidomethyl (C)[11], Oxidation (M)[8]	Mascot

37 GVIHANAELR
 PREDICTED: deleted in malignant brain tumors 1 gi|292615093 50462.5 8.16 8 29 0
 protein-like [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
848.4736	848.5279	0.0543	64	373	379 KNGQVFR			Mascot
868.4385	868.5515	0.113	130	104	109 LVCWYK		Carbamidomethyl (C)[3]	Mascot
1393.7153	1393.7307	0.0154	11	8	19 ALTVVCWIMCVR			Mascot
1439.6869	1439.7291	0.0422	29	323	335 IKDCSLNVTESCK			Mascot
1498.7029	1498.7201	0.0172	11	246	258 GESCMGYLNINLK		Carbamidomethyl (C)[4]	Mascot
1535.6399	1535.7725	0.1326	86	420	433 DSNSGVHLCMQNCK			Mascot
2165.9705	2166.0542	0.0837	39	202	220 NMFVPVEFACSTEMVYN GK			Mascot
2174.1758	2174.1067	-0.0691	-32	2	19 ILNNIRALTVCWIMCVR		Carbamidomethyl (C)[12]	Mascot

38 PREDICTED: tripartite motif-containing protein 59-like gi|125836979 39637.8 5.73 8 29 0
 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
1045.5636	1045.5626	-0.001	-1	174	182 SEALVQKDR			Mascot
1165.61	1165.7461	0.1361	117	131	140 IDDLQTAYVK			Mascot
1165.61	1165.7461	0.1361	117	131	140 IDDLQTAYVK			Mascot
1279.6464	1279.7781	0.1317	103	200	209 KEQFMQALER			Mascot
1754.8828	1754.8033	-0.0795	-45	115	130 LICGFCLTIGQHGHK			Mascot
2044.903	2045.1313	0.2283	112	301	318 DGPLPEISWHSESCSTS R		Carbamidomethyl (C)[14]	Mascot
2166.1587	2166.0542	-0.1045	-48	61	80 SVVELPTNGLDALPVNVC LR		Carbamidomethyl (C)[18]	Mascot
2283.0281	2283.188	0.1599	70	94	113 SPSCPEHPGQPLNVYCV QDR		Carbamidomethyl (C)[4]	Mascot
2283.0281	2283.188	0.1599	70	94	113 SPSCPEHPGQPLNVYCV QDR		Carbamidomethyl (C)[4]	Mascot
2501.231	2501.2512	0.0202	8	261	282 ERINTLNCTPMPTVPSLQ MSPR		Oxidation (M)[11]	Mascot

39 Cwf19l2 protein [Danio rerio] gi|190339169 111090.1 8.07 12 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
975.5105	975.4663	-0.0442	-45	247	255 SLDSVVAER			Mascot

	1045.5571	1045.5626	0.0055	5	583	591	LRAQMEAR						Mascot
	1062.5619	1062.6921	0.1302	123	193	200	LELNPYWK						Mascot
	1498.8046	1498.7201	-0.0845	-56	919	931	EILGGMLDLEPRR						Mascot
	1503.7285	1503.7828	0.0543	36	602	615	DQSKQASEPAVSEK						Mascot
	1700.7705	1700.9633	0.1928	113	834	846	HLHVMYECVPMPR			Carbamidomethyl (C)[8], Oxidation (M)[4,11]			Mascot
	1844.8959	1844.9989	0.103	56	1	17	MAAYGVNFESANSIKSR						Mascot
	1954.0044	1954.1207	0.1163	60	947	961	VLKFAQWWKPFDDTK			Carbamidomethyl (C)[13]			Mascot
	2044.9822	2045.1313	0.1491	73	247	264	SLDSVVAERYGSTEEFK						Mascot
	2284.0623	2284.1812	0.1189	52	396	416	GSSSNQSAAFRKPDDV EMSR			Oxidation (M)[19]			Mascot
	2298.0239	2298.1985	0.1746	76	814	832	MFESQELDCVFLETHMN PK						Mascot
	3089.3362	3089.5994	0.2632	85	537	563	TTTTVSSSESEEEEEELI LTDEEMNK						Mascot
40	PREDICTED: CWF19-like protein 2-like [Danio rerio]					gi 326674466	110596.9	7.87	12	29	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
958.47	958.4433	-0.0267	-28	354	361	SPNAERER					Mascot
975.5105	975.4663	-0.0442	-45	247	255	SLDSVVAER					Mascot
1045.5571	1045.5626	0.0055	5	580	588	LRAQMEAR					Mascot
1062.5619	1062.6921	0.1302	123	193	200	LELNPYWK					Mascot
1498.8046	1498.7201	-0.0845	-56	916	928	EILGGMLDLEPRR					Mascot
1503.7285	1503.7828	0.0543	36	599	612	DQSKQASEPAVSEK					Mascot
1700.7705	1700.9633	0.1928	113	831	843	HLHVMYECVPMPR			Carbamidomethyl (C)[8], Oxidation (M)[4,11]		Mascot
1844.8959	1844.9989	0.103	56	1	17	MAAYGVNFESANSIKSR					Mascot
1954.0044	1954.1207	0.1163	60	944	958	VLKFAQWWKPFDDTK			Carbamidomethyl (C)[13]		Mascot
2284.0623	2284.1812	0.1189	52	390	410	GSSSNQSAAFRKPDDV EMSR			Oxidation (M)[19]		Mascot
2298.0239	2298.1985	0.1746	76	811	829	MFESQELDCVFLETHMN PK					Mascot
3089.3362	3089.5994	0.2632	85	534	560	TTTTVSSSESEEEEEELI LTDEEMNK					Mascot

41 lft81 protein [Danio rerio] gi|62531096 28309.4 5.61 7 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.5519	870.5435	-0.0084	-10	186	192	VLRQQVK					Mascot
1331.7278	1331.6287	-0.0991	-74	113	123	STLEQEVRTLRL					Mascot
1331.7278	1331.6287	-0.0991	-74	113	123	STLEQEVRTLRL					Mascot

	1397.6399	1397.7433	0.1034	74	49	60	GRTLDDMSEMVK				Oxidation (M)[7]	Mascot
	1640.7697	1640.8029	0.0332	20	98	112	KAQYETCAAGLESNR					Mascot
	1700.8126	1700.9633	0.1507	89	85	98	QEHAELAPEYEEKK					Mascot
	2225.0879	2225.1257	0.0378	17	133	149	YHHINCEREIIESQIQR				Carbamidomethyl (C)[6]	Mascot
	2225.0879	2225.1257	0.0378	17	133	149	YHHINCEREIIESQIQR				Carbamidomethyl (C)[6]	Mascot
	2283.1914	2283.188	-0.0034	-1	220	240	QCYLKAQSQAPIGHVIQD VGK					Mascot
	2283.1914	2283.188	-0.0034	-1	220	240	QCYLKAQSQAPIGHVIQD VGK					Mascot
42	hemoglobin subunit beta-2 [Danio rerio]				gi 53749219		16378.2	7.7	5	28	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
958.572	958.4433	-0.1287	-134	10	18	TAILGLWGK						Mascot
1062.5612	1062.6921	0.1309	123	75	83	AIKNMDNIK				Oxidation (M)[5]		Mascot
1367.6731	1367.7344	0.0613	45	106	118	LLADCITVCAAMK				Oxidation (M)[12]		Mascot
1985.9789	1986.0566	0.0777	39	42	60	YFATFGNLSSPAAIMGNP K						Mascot
2166.0317	2166.0542	0.0225	10	78	96	NMDNIKNTYAALSMVHS EK						Mascot

43	Map2k4 protein [Danio rerio]						gi 62204799	27024.9	8.92	7	28	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
975.5217	975.4663	-0.0554	-57	15	22	IRSTVDER						Mascot
1311.7129	1311.6329	-0.08	-61	222	232	FINFVNLCLTK						Mascot
1397.7393	1397.7433	0.004	3	1	13	MAHKPSGQIMAVK						Mascot
1439.8079	1439.7291	-0.0788	-55	222	233	FINFVNLCLTKK						Mascot
1638.7476	1638.8604	0.1128	69	143	156	TRDAGCRPYMAPER				Oxidation (M)[10]		Mascot
1954.0055	1954.1207	0.1152	59	73	89	YVYSSLDEVIPEEILGK						Mascot
2051.8218	2052.1045	0.2827	138	53	69	EGDCWICMELMSTSFDK				Carbamidomethyl (C)[4]		Mascot

44	PREDICTED: hypothetical protein LOC100538187 [Danio rerio]						gi 326671902	13561.6	8.77	6	28	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
958.4814	958.4433	-0.0381	-40	84	90	NFKYVCK				Carbamidomethyl (C)[6]		Mascot

	1086.4707	1086.6035	0.1328	122	64	72	CCSKAQDFK					Carbamidomethyl (C)[1]	Mascot
	1498.6566	1498.7201	0.0635	42	73	83	EKAEMFHCQFR					Carbamidomethyl (C)[8], Oxidation (M)[5]	Mascot
	1844.8162	1844.9989	0.1827	99	53	67	AHIIQFMSEMKCCSK					Carbamidomethyl (C)[12], Oxidation (M)[7,10]	Mascot
	2225.0344	2225.1257	0.0913	41	94	111	NNWETIGHLWSNFGRCY K						Mascot
	2225.0344	2225.1257	0.0913	41	94	111	NNWETIGHLWSNFGRCY K						Mascot
	2297.0999	2297.1953	0.0954	42	91	108	YFRNNWETIGHLWSNFG R						Mascot
45	sterol carrier protein 2b [Danio rerio]				gi 54400688		15300.9	9.35	5	28	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
958.4224	958.4433	0.0209	22	78	86	GSVHNDSDK					Mascot
1086.6014	1086.6035	0.0021	2	2	11	RVPQVSSSAR					Mascot
1233.6368	1233.7218	0.085	69	1	11	MRVPQVSSSAR			Oxidation (M)[1]		Mascot
1320.6793	1320.6271	-0.0522	-40	39	49	LQEDGEQFVKK					Mascot
3338.5046	3338.7664	0.2618	78	88	117	ADCTIAMADSDLLDLMTG KMNPQTAFQK			Carbamidomethyl (C)[3], Oxidation (M)[7,16,20]		Mascot

46	hypothetical protein LOC559906 [Danio rerio]				gi 198282017		48541.8	5.61	9	28	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4349	882.5671	0.1322	150	1	8	MSSSLSVR			Oxidation (M)[1]		Mascot
1062.5499	1062.6921	0.1422	134	142	150	IMLEIDNAK			Oxidation (M)[2]		Mascot
1279.6641	1279.7781	0.114	89	351	360	NKTDYEQLLR					Mascot
1311.5964	1311.6329	0.0365	28	255	264	NKEEAESWYR					Mascot
1367.6624	1367.7344	0.072	53	363	373	QNLEMEIATYR					Mascot
1503.8641	1503.7828	-0.0813	-54	31	45	SKAAVSFAAAKPLSR					Mascot
1685.9109	1685.8613	-0.0496	-29	294	307	FLQTLEVELES LHK					Mascot
1685.9109	1685.8613	-0.0496	-29	294	307	FLQTLEVELES LHK					Mascot
2298.0601	2298.1985	0.1384	60	115	134	GHDIDSMMQAHALEQE VRK			Oxidation (M)[7,8]		Mascot
2299.0151	2299.1907	0.1756	76	160	178	WETESAMCQSVERDCV ALK			Carbamidomethyl (C)[8,15]		Mascot

47	PREDICTED: anosmin-1-like, partial [Danio rerio]				gi 326670889		21409.4	8.83	4	28	0	13	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	882.5519	882.5671	0.0152	17	86	93	GSPLKPRK				Mascot
	1685.7775	1685.8613	0.0838	50	17	29	KHYECLTSCEFLR			Carbamidomethyl (C)[5]	Mascot
	1685.7775	1685.8613	0.0838	50	17	29	KHYECLTSCEFLR	13	0	Carbamidomethyl (C)[9]	Mascot
	2157.0466	2157	-0.0466	-22	18	35	HYECLTSCEFLRSVQTLK				Mascot
	2284.147	2284.1812	0.0342	15	94	112	DLQFVEHPSGQLELRWS SR				Mascot
48	Thy1 protein [Danio rerio]				q l78070494		16884.6	8.7	5	28	0

1

annexin A1b [Danio rerio]

gi|32308159

37416.3

6.11

15

419

100

315

100

Peptide Information							Ion Score	C. I. %	Modification	Rank	Result Type				
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence									
1045.5061	1045.535	0.0289	28	201	209	ALYEAGEHR	46	99.397			Mascot				
1174.6062	1174.603	-0.0032	-3	284	294	GLGTDNDTLIR					Mascot				
1234.6102	1234.6273	0.0171	14	232	241	TFQYYGQLSK					Mascot				
1234.6102	1234.6273	0.0171	14	232	241	TFQYYGQLSK					Mascot				
1327.7467	1327.7408	-0.0059	-4	55	67	GVDEAAIIEVLAK					Mascot				
1407.7002	1407.7087	0.0085	6	154	165	EAYGELLEENIK	54	99.893			Mascot				
1407.7002	1407.7087	0.0085	6	154	165	EAYGELLEENIK					Mascot				
1411.7004	1411.6959	-0.0045	-3	266	277	SAWNKPAYFAEK					Mascot				
1471.7175	1471.7124	-0.0051	-3	18	33	GSPAPFQDAGPSGGVK					Mascot				
1585.9523	1585.9478	-0.0045	-3	210	224	IGTVVSVLIDVLTR					68	99.996			Mascot
1585.9523	1585.9478	-0.0045	-3	210	224	IGTVVSVLIDVLTR	Mascot								
1623.8125	1623.8043	-0.0082	-5	34	48	FSQAFNAQNDAAVLK	Mascot								
1629.8806	1629.8773	-0.0033	-2	125	140	GLGTNEAVLSEILGTR	147	100							Mascot
1629.8806	1629.8773	-0.0033	-2	125	140	GLGTNEAVLSEILGTR									Mascot
1751.9075	1751.9036	-0.0039	-2	34	49	FSQAFNAQNDAAVLKK					Mascot				
1789.9807	1789.9778	-0.0029	-2	78	94	AAYQQSTGKPLADALKK					Mascot				
2177.127	2177.1233	-0.0037	-2	247	265	ALESELHGHLEDCLLTIVK							Carbamidomethyl (C)[13]	Mascot	
2187.042	2187.0461	0.0041	2	307	325	IMQEYSTMQGQSLQAAI QK			Oxidation (M)[2,8]	Mascot					
3787.8442	3787.8743	0.0301	8	166	200	SEVSGQLETTLLALCQAT RPEGYNIDDAHTDAK			Carbamidomethyl (C)[15]	Mascot					

2

annexin A1b [Danio rerio]

gi|220673189

37450.3

6.21

14

409

100

315

100

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.5061	1045.535	0.0289	28	201	209	ALYEAGEHR					Mascot
1174.6062	1174.603	-0.0032	-3	284	294	GLGTDNDTLIR					Mascot
1234.6102	1234.6273	0.0171	14	232	241	TFQYYGQLSK					Mascot
1234.6102	1234.6273	0.0171	14	232	241	TFQYYGQLSK	46	99.397			Mascot
1327.7467	1327.7408	-0.0059	-4	55	67	GVDEAAIIEVLAK					Mascot
1407.7002	1407.7087	0.0085	6	154	165	EAYGELLEENIK					Mascot
1407.7002	1407.7087	0.0085	6	154	165	EAYGELLEENIK	54	99.893			Mascot
1411.7004	1411.6959	-0.0045	-3	266	277	SAWNKPAYFAEK					Mascot

	1585.9523	1585.9478	-0.0045	-3	210	224	IGTVVSVLIDVLTTTR	68	99.996				Mascot
	1585.9523	1585.9478	-0.0045	-3	210	224	IGTVVSVLIDVLTTTR						Mascot
	1623.8125	1623.8043	-0.0082	-5	34	48	FSQAFNAQNDAAVLK						Mascot
	1629.8806	1629.8773	-0.0033	-2	125	140	GLGTNEAVLSEILGTR						Mascot
	1629.8806	1629.8773	-0.0033	-2	125	140	GLGTNEAVLSEILGTR	147	100				Mascot
	1751.9075	1751.9036	-0.0039	-2	34	49	FSQAFNAQNDAAVLKK						Mascot
	1789.9807	1789.9778	-0.0029	-2	78	94	AAYQQSTGKPLADALKK						Mascot
	2177.127	2177.1233	-0.0037	-2	247	265	ALESELHGHLEDCLLTIVK			Carbamidomethyl (C)[13]			Mascot
	2187.042	2187.0461	0.0041	2	307	325	IMQEYSTMQQGSLQAAI QK			Oxidation (M)[2,8]			Mascot
	3787.8442	3787.8743	0.0301	8	166	200	SEVSGQLETTLLALCQAT RPEGYNIDDAHTDAK			Carbamidomethyl (C)[15]			Mascot
3	RecName: Full=L-lactate dehydrogenase B-A chain; Short=LDH-B-A					gi 313104308	36224	6.4	4	155	100	144	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
907.5471	907.4729	-0.0742	-82	151	158	LSGLPKHR					Mascot
913.5828	913.5778	-0.005	-5	92	100	IVVVTAGVR					Mascot
1418.8002	1418.7982	-0.002	-1	8	21	LITPLASGPAEPPR					Mascot
1685.8593	1685.8553	-0.004	-2	44	58	ELADELALVDVVEDR	144	100			Mascot
1685.8593	1685.8553	-0.004	-2	44	58	ELADELALVDVVEDR					Mascot

4 Josephin-1 [Danio rerio] gi|115497592 26182.5 9.34 8 47 4.859

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1051.5908	1051.7104	0.1196	114	170	177	RQHWIGVR					Mascot
1051.5908	1051.7104	0.1196	114	170	177	RQHWIGVR					Mascot
1137.5364	1137.5479	0.0115	10	128	136	GFEAVWWDK					Mascot
1179.6732	1179.5959	-0.0773	-66	96	106	LSPSTLVTPHK					Mascot
1307.7682	1307.6395	-0.1287	-98	96	107	LSPSTLVTPHKK					Mascot
1581.7188	1581.9062	0.1874	118	12	25	GVGGFQELGCMPPWK			Carbamidomethyl (C)[10], Oxidation (M)[11]		Mascot
1626.8485	1626.7854	-0.0631	-39	178	191	EVAGVYYNLD SKLR					Mascot
2233.0818	2233.084	0.0022	1	67	86	ELCALHALNNVFQDGAA FSR			Carbamidomethyl (C)[3]		Mascot
2255.1377	2255.0872	-0.0505	-22	214	232	NCELLLVSEEVEVHQT WK					Mascot

5 T-complex protein 1 subunit theta [Danio rerio] gi|41055032 59262.8 5.22 12 43 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1307.6378	1307.6395	0.0017	1	21	31	HYSGLEEAVFR				Mascot
1331.7164	1331.6263	-0.0901	-68	282	296	AIADSGASVVVTGGK				Mascot
1348.6591	1348.7513	0.0922	68	226	238	EAEGDVTSVKDAK				Mascot
1365.5951	1365.6542	0.0591	43	379	390	GSTDNLMDIER				Mascot
1475.7635	1475.7515	-0.012	-8	32	44	NIQACKELAQTTTR				Mascot
1623.9039	1623.8043	-0.0996	-61	2	16	ALHVPKAPGFAQMLK			Oxidation (M)[13]	Mascot
1626.7754	1626.7854	0.01	6	491	504	DMMEAGILDPYLVK			Oxidation (M)[2,3]	Mascot
1629.8806	1629.8773	-0.0033	-2	451	466	ALAENSGVKGNELISK				Mascot
1629.8806	1629.8773	-0.0033	-2	451	466	ALAENSGVKGNELISK				Mascot
1790.0322	1789.9778	-0.0544	-30	505	520	YWGIKLATNAAITVLR				Mascot
2048.989	2048.9512	-0.0378	-18	45	62	TAYGPNMKNMNVINHLK			Oxidation (M)[8,11]	Mascot
2384.1592	2383.9514	-0.2078	-87	204	224	VCKILGCGLNSSTMLHG			Carbamidomethyl (C)[2,7], Oxidation (M)[14,18]	Mascot
2486.2668	2486.2356	-0.0312	-13	239	260	IAVFSCPFDCVTETKGT			Carbamidomethyl (C)[6,10]	Mascot
6	phosphatidylinositol transfer protein alpha isoform [Danio rerio]			gi 41055576		31853	5.98	6	39	0 23 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
907.4784	907.4729	-0.0055	-6	220	226	LFTSFHR				Mascot
1137.551	1137.5479	-0.0031	-3	227	234	QLFCWLDR			Carbamidomethyl (C)[4]	Mascot
1165.6113	1165.7404	0.1291	111	55	63	GQYTHKIYR				Mascot
1165.6113	1165.7404	0.1291	111	55	63	GQYTHKIYR				Mascot
1200.5255	1200.5228	-0.0027	-2	87	95	AWNAYPYCR			Carbamidomethyl (C)[8]	Mascot
1307.63	1307.6395	0.0095	7	235	244	WIDLTMEDIR			Oxidation (M)[6]	Mascot
1407.759	1407.7087	-0.0503	-36	135	146	QVEVIHIDIADR				Mascot
1407.759	1407.7087	-0.0503	-36	135	146	QVEVIHIDIADR	23	0		Mascot
7	PREDICTED: leucine-rich repeat-containing protein 7-like [Danio rerio]			gi 326668654		165765.9	6.33	17	38	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
819.3817	819.4697	0.088	107	1194	1199	MPVDWR			Oxidation (M)[1]	Mascot

907.3639	907.4729	0.109	120	468	475	EEEDNSGK						Mascot
1109.5771	1109.4902	-0.0869	-78	1366	1374	CFIQTKGQK	Carbamidomethyl (C)[1]					Mascot
1165.5704	1165.7404	0.17	146	858	867	SSERLSPMMK						Mascot
1165.5704	1165.7404	0.17	146	858	867	SSERLSPMMK						Mascot
1316.7355	1316.5469	-0.1886	-143	493	504	NMVKSQNLVVGK						Mascot
1348.6201	1348.7513	0.1312	97	1240	1250	SMTINFYNNTK	Oxidation (M)[2]					Mascot
1358.7889	1358.6879	-0.101	-74	1462	1473	TVDLVILRESTI						Mascot
1493.7343	1493.7281	-0.0062	-4	1328	1340	TARDQQYEGAINK						Mascot
1581.8054	1581.9062	0.1008	64	1173	1186	SPEADMNLRPVPQK						Mascot
1585.7928	1585.9478	0.155	98	661	674	ETPPSSTLQQRGER						Mascot
1585.7928	1585.9478	0.155	98	661	674	ETPPSSTLQQRGER						Mascot
1609.6581	1609.8849	0.2268	141	514	527	CSSGTNMEHSQDK	Carbamidomethyl (C)[1], Oxidation (M)[7]					Mascot
1751.8455	1751.9036	0.0581	33	1375	1389	SMDGFPEQLCVRIEK						Mascot
1789.9517	1789.9778	0.0261	15	357	371	LEFLPDEIGQMTKLR						Mascot
1993.9358	1993.9698	0.034	17	538	555	EVMLLYPDSMGGSPNDI R						Mascot
2126.9116	2126.998	0.0864	41	514	531	CSSGTNMEHSQDKYEP K	Carbamidomethyl (C)[1], Oxidation (M)[7]					Mascot
2384.0969	2383.9514	-0.1455	-61	1078	1097	SMLEQQNSLSTMADTQF HKR	Oxidation (M)[2,12]					Mascot
3787.8728	3787.8743	0.0015	0	240	274	NRIESLDADISGCESLEDL LLSANMLQLPDSIGK						Mascot

8 scavenger mRNA-decapping enzyme DcpS [Danio rerio] gi|67514547 37274.2 6.19 8 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
819.4722	819.4697	-0.0025	-3	301	307	SLSFPLR				Mascot
1137.5278	1137.5479	0.0201	18	114	123	TTVMCPATEK		Carbamidomethyl (C)[5]		Mascot
1581.9111	1581.9062	-0.0049	-3	197	209	QLQDLYLIAIVHR				Mascot
1609.8909	1609.8849	-0.006	-4	217	230	DLTAEHLTLLTNIR				Mascot
2048.9519	2048.9512	-0.0007	0	27	44	NADEQSTDNPVVDQFLT R				Mascot
2127.0029	2126.998	-0.0049	-2	128	144	YLHQEVFLLEESGEDYR				Mascot
2255.0979	2255.0872	-0.0107	-5	127	144	KYLHQEVFLLEESGEDYR				Mascot
2486.2422	2486.2356	-0.0066	-3	280	300	AHLLSDVIQNLQLDSSYY HNR				Mascot

9 hypothetical protein LOC100145372 [Xenopus (Silurana) tropicalis] gi|187607587 26110.4 9.46 7 37 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1051.5908	1051.7104	0.1196	114	170	177	RQHWIGVR					Mascot
	1051.5908	1051.7104	0.1196	114	170	177	RQHWIGVR					Mascot
	1137.5364	1137.5479	0.0115	10	128	136	GFEAVWWDK					Mascot
	1179.6732	1179.5959	-0.0773	-66	96	106	LSPSTLVTPHK					Mascot
	1307.7682	1307.6395	-0.1287	-98	96	107	LSPSTLVTPHKK					Mascot
	1581.7188	1581.9062	0.1874	118	12	25	GVGGFQELGCMPPWK			Carbamidomethyl (C)[10], Oxidation (M)[11]		Mascot
	1626.8485	1626.7854	-0.0631	-39	178	191	EVAGVYYNLD SKLR					Mascot
	2255.1377	2255.0872	-0.0505	-22	214	232	NCELLLVSEEVEVHQTWK					Mascot
10	sorting nexin family member 27 [Danio rerio]				gi 41054611	64121.8	5.8	11	37	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	842.5094	842.5073	-0.0021	-2	121	127	QVVDLIR					Mascot
	1137.5873	1137.5479	-0.0394	-35	522	529	VFCELKWR			Carbamidomethyl (C)[3]		Mascot
	1179.6368	1179.5959	-0.0409	-35	400	409	VGEKSYQLQK					Mascot
	1331.7351	1331.6263	-0.1088	-82	284	295	IAMPDKTTVTVR					Mascot
	1393.7434	1393.7286	-0.0148	-11	404	414	SYQLQKLTEQR					Mascot
	1581.7941	1581.9062	0.1121	71	243	255	GLEEYLEKVC SVR			Carbamidomethyl (C)[10]		Mascot
	1626.7792	1626.7854	0.0062	4	299	312	NCTTDQVYQAVVTK			Carbamidomethyl (C)[2]		Mascot
	2127.1267	2126.998	-0.1287	-61	346	364	LYVQNYTSAPVGTCLTLRK					Mascot
	2225.0283	2225.1191	0.0908	41	24	47	NGSGMSAGTCAGGLVAT TVTSGPR			Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot
	2225.0283	2225.1191	0.0908	41	24	47	NGSGMSAGTCAGGLVAT TVTSGPR			Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot
	2232.8743	2233.084	0.2097	94	425	442	TCEGYNEITFPHCSCDSR			Carbamidomethyl (C)[2,13,15]		Mascot
	2283.9321	2284.1724	0.2403	105	482	500	WDTDEEGMAFCFEYARG EK					Mascot
	2299.927	2300.1763	0.2493	108	482	500	WDTDEEGMAFCFEYARG EK			Oxidation (M)[8]		Mascot
11	chaperonin containing TCP1, subunit 8 (theta) [Danio rerio]				gi 37362194	59262.8	5.22	11	36	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1307.6378	1307.6395	0.0017	1	21	31	HYSGLEEAVFR					Mascot
	1331.7164	1331.6263	-0.0901	-68	282	296	AIADSGASVVVTGGK					Mascot

1365.5951	1365.6542	0.0591	43	379	390	GSTDNLMDIER						Mascot
1475.7635	1475.7515	-0.012	-8	32	44	NIQACKELAQTTR						Mascot
1623.9039	1623.8043	-0.0996	-61	2	16	ALHVPKAPGFAQMLK				Oxidation (M)[13]		Mascot
1626.7754	1626.7854	0.01	6	491	504	DMMEAGILDPYLVK				Oxidation (M)[2,3]		Mascot
1629.8806	1629.8773	-0.0033	-2	451	466	ALAENSGVKGNELISK						Mascot
1629.8806	1629.8773	-0.0033	-2	451	466	ALAENSGVKGNELISK						Mascot
1790.0322	1789.9778	-0.0544	-30	505	520	YWGIKLATNAITVLR						Mascot
2048.989	2048.9512	-0.0378	-18	45	62	TAYGPNGMNKMVINHLE K				Oxidation (M)[8,11]		Mascot
2384.1592	2383.9514	-0.2078	-87	204	224	VCKILGCGLSSTMLHG MVFK				Carbamidomethyl (C)[2,7], Oxidation (M)[14,18]		Mascot
2486.2668	2486.2356	-0.0312	-13	239	260	IAVFSCPFDCVTETKGT VLIK				Carbamidomethyl (C)[6,10]		Mascot
12	spectrin beta chain, erythrocyte [Danio rerio]				gi 18859423	272658.4	5.26	23	36	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
819.4318	819.4697	0.0379	46	178	184	QETRSAK					Mascot
1045.5524	1045.535	-0.0174	-17	393	402	EGALVSDINK					Mascot
1051.5531	1051.7104	0.1573	150	2211	2219	KHELEGPNK					Mascot
1051.5531	1051.7104	0.1573	150	2212	2220	HELEGPNNK					Mascot
1109.5255	1109.4902	-0.0353	-32	1258	1266	MSSIEERNK			Oxidation (M)[1]		Mascot
1234.5909	1234.6273	0.0364	29	1060	1070	DREDSLGEVSK					Mascot
1234.5909	1234.6273	0.0364	29	1060	1070	DREDSLGEVSK					Mascot
1277.6381	1277.7023	0.0642	50	185	194	DALLLWCQMK			Carbamidomethyl (C)[7]		Mascot
1320.7198	1320.5818	-0.138	-104	517	526	LWDYLQELLK					Mascot
1348.6968	1348.7513	0.0545	40	2100	2109	KQQQEIQQYR					Mascot
1365.6896	1365.6542	-0.0354	-26	1390	1401	SELFQQLADLK					Mascot
1407.621	1407.7087	0.0877	62	1219	1230	HEDFVTMTDANK					Mascot
1407.621	1407.7087	0.0877	62	1219	1230	HEDFVTMTDANK					Mascot
1418.6798	1418.7982	0.1184	83	1044	1055	QEELDAAWDTLK					Mascot
1493.7845	1493.7281	-0.0564	-38	1390	1402	SELFQQLADLKK					Mascot
1581.8193	1581.9062	0.0869	55	836	848	DMYIELLTLSDLR					Mascot
1609.8367	1609.8849	0.0482	30	74	86	VSCRISDLYDLR			Carbamidomethyl (C)[3]		Mascot
1623.783	1623.8043	0.0213	13	898	911	LSILAQEMGNMQTR			Oxidation (M)[8,11]		Mascot
1685.8315	1685.8553	0.0238	14	2281	2294	LRLGDGSEYLFQCK			Carbamidomethyl (C)[13]		Mascot
1685.8315	1685.8553	0.0238	14	2281	2294	LRLGDGSEYLFQCK			Carbamidomethyl (C)[13]		Mascot
1993.9569	1993.9698	0.0129	6	699	715	DNLKQVMDEGESMIQIK			Oxidation (M)[7]		Mascot

	2127.0574	2126.998	-0.0594	-28	703	721	QVMDEGESMIQIKHLGSP K							Mascot
	2187.0798	2187.0461	-0.0337	-15	620	637	VQHLDLCYQQLCALAAQ R				Carbamidomethyl (C)[7,12]			Mascot
	2284.2507	2284.1724	-0.0783	-34	984	1004	VIESTQDLGNDLAAVITIQ RK							Mascot
	2299.1963	2299.1863	-0.01	-4	2189	2210	AASLPTESTQVQPVLMG GTLAR							Mascot
	2384.1453	2383.9514	-0.1939	-81	1324	1343	HQAFMAELASNKDWLHN IDK				Oxidation (M)[5]			Mascot
13	intraflagellar transport 81 homolog [Danio rerio]				gi 159570779		78814.9	6.43	15	36	0			
Peptide Information														
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank	Result Type
	819.3954	819.4697	0.0743	91	380	386	TSQAQER							Mascot
	870.5519	870.5366	-0.0153	-18	616	622	VLRQQVK							Mascot
	1045.5636	1045.535	-0.0286	-27	430	437	TEEILRER							Mascot
	1179.6342	1179.5959	-0.0383	-32	195	204	RVEAVANHQR							Mascot
	1186.6725	1186.5629	-0.1096	-92	240	248	LQRCQIQLK					Carbamidomethyl (C)[4]		Mascot
	1186.6725	1186.5629	-0.1096	-92	240	248	LQRCQIQLK					Carbamidomethyl (C)[4]		Mascot
	1200.5123	1200.5228	0.0105	9	481	490	TLDDMSEMVK					Oxidation (M)[5,8]		Mascot
	1331.6802	1331.6263	-0.0539	-40	356	366	ETKVEELQEAR							Mascot
	1358.6732	1358.6879	0.0147	11	298	310	VASEPAMGQAELR							Mascot
	1365.693	1365.6542	-0.0388	-28	467	478	VSAIKSELDEMK					Oxidation (M)[11]		Mascot
	1434.7006	1434.7642	0.0636	44	375	386	ELNMKTSQAQER							Mascot
	1581.7651	1581.9062	0.1411	89	637	648	MWKDLETLECK					Carbamidomethyl (C)[11], Oxidation (M)[1]		Mascot
	1789.8636	1789.9778	0.1142	64	249	264	DLQQAADKPESLMK					Oxidation (M)[15]		Mascot
	2225.0879	2225.1191	0.0312	14	563	579	YHHINCEREIIESQIQR					Carbamidomethyl (C)[6]		Mascot
	2225.0879	2225.1191	0.0312	14	563	579	YHHINCEREIIESQIQR					Carbamidomethyl (C)[6]		Mascot
	2233.1646	2233.084	-0.0806	-36	291	310	VVQYLQKVASEPAMGQA ELR					Oxidation (M)[14]		Mascot
	2283.1914	2283.1821	-0.0093	-4	650	670	QCYLKAQSQAPIGHVIQD VGK							Mascot
14	hypothetical protein LOC553738 [Danio rerio]				gi 66472320		27546.3	9.57	9	35	0			
Peptide Information														
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank	Result Type
	1165.6212	1165.7404	0.1192	102	194	203	TFVTADDLKR							Mascot
	1165.6212	1165.7404	0.1192	102	194	203	TFVTADDLKR							Mascot
	1179.615	1179.5959	-0.0191	-16	166	175	SCTRQSSLIK					Carbamidomethyl (C)[2]		Mascot
	1365.6501	1365.6542	0.0041	3	13	25	TGEKPITCTQCGK							Mascot

	1751.8601	1751.9036	0.0435	25	10	25	MVRTGEKPITCTQCGK						Mascot
	2048.9172	2048.9512	0.034	17	36	53	HMMIHTGEKPFTCTQCGK						Mascot
	2126.9529	2126.998	0.0451	21	151	169	VHTNERPYSCSVCGKSCTR						Mascot
	2233.0752	2233.084	0.0088	4	147	165	FHLRVHTNERPYSCSVC GK						Mascot
	2284.0168	2284.1724	0.1556	68	204	221	HQRIHTGEKPYMCSHCDK			Carbamidomethyl (C)[13,16]			Mascot
	2300.0117	2300.1763	0.1646	72	204	221	HQRIHTGEKPYMCSHCDK			Carbamidomethyl (C)[13,16], Oxidation (M)[12]			Mascot
	2486.1763	2486.2356	0.0593	24	13	35	TGEKPITCTQCGKSFSQS SNLNR						Mascot
15	PREDICTED: NACHT, LRR and PYD domains-containing protein 12-like [Danio rerio]					gi 292610042	103784.1	7.26	14	34	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
819.4219	819.4697	0.0478	58	2	7	TYRSHR					Mascot
870.577	870.5366	-0.0404	-46	660	666	LEKLVLRL					Mascot
1179.6732	1179.5959	-0.0773	-66	263	272	LADEIIQHLK					Mascot
1307.5896	1307.6395	0.0499	38	70	80	STTEDTPIQCR			Carbamidomethyl (C)[10]		Mascot
1327.6351	1327.7408	0.1057	80	604	615	SAVLWYCGVSDK					Mascot
1358.6521	1358.6879	0.0358	26	20	30	KFQCLYEGTGRIK			Carbamidomethyl (C)[4]		Mascot
1471.7362	1471.7124	-0.0238	-16	21	32	FQCLYEGTGRIK			Carbamidomethyl (C)[3]		Mascot
1475.8719	1475.7515	-0.1204	-82	903	915	SEVSVIVLLEFIK					Mascot
1685.7621	1685.8553	0.0932	55	841	857	YCGVSDEGCAALASALR					Mascot
1685.7621	1685.8553	0.0932	55	841	857	YCGVSDEGCAALASALR					Mascot
1751.8236	1751.9036	0.08	46	667	683	CCGVSVEGCAALASVLR			Carbamidomethyl (C)[1,2]		Mascot
2048.9851	2048.9512	-0.0339	-17	781	799	LRDCGVSVEGCADLASALR			Carbamidomethyl (C)[4,11]		Mascot
2187.1155	2187.0461	-0.0694	-32	170	187	VLFIIDGLDECRLSLDFK			Carbamidomethyl (C)[11]		Mascot
2211.1047	2211.1025	-0.0022	-1	721	741	LWLGYCGVSDKGCAALASALR			Carbamidomethyl (C)[6]		Mascot
2233.1614	2233.084	-0.0774	-35	663	683	LVLRCGVSVEGCAALASVLR			Carbamidomethyl (C)[5,6]		Mascot

16 Fanconi anemia group F protein [Danio rerio] gi|148225150 37464 5.55 7 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4821	850.5397	0.0576	68	251	257	LYWGALK					Mascot
1279.6124	1279.7676	0.1552	121	56	67	SSLESGLTDTNR					Mascot

	1365.6614	1365.6542	-0.0072	-5	180	192	CLLDSVRCNSAGK										Mascot
	1629.7755	1629.8773	0.1018	62	144	157	TSSYYGLQTEPEVR										Mascot
	1629.7755	1629.8773	0.1018	62	144	157	TSSYYGLQTEPEVR	4		0							Mascot
	2191.238	2191.1226	-0.1154	-53	1	19	MEAVLRHLNNILELLAVS R										Mascot
	2225.0793	2225.1191	0.0398	18	48	67	YQSNPTVRSSLESGLTDT NR										Mascot
	2225.0793	2225.1191	0.0398	18	48	67	YQSNPTVRSSLESGLTDT NR										Mascot
	2384.0862	2383.9514	-0.1348	-57	71	90	ETFPSYSPVEFSELAQCQ HK						Carbamidomethyl (C)[17]				Mascot
17	PREDICTED: phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 1-like [Danio rerio]																
						gi 326668645		124316.7	8.13	14	34	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
819.4393	819.4697	0.0304	37	207	213	LTQNICK					Mascot
1174.6677	1174.603	-0.0647	-55	266	275	LIQSIEDKTK					Mascot
1200.583	1200.5228	-0.0602	-50	519	529	GAVGVSFMFNR			Oxidation (M)[8]		Mascot
1316.7322	1316.5469	-0.1853	-141	476	486	QIATQTLWSIR					Mascot
1365.6282	1365.6542	0.026	19	931	943	TSYDHATSSPTAK					Mascot
1471.7461	1471.7124	-0.0337	-23	302	314	SDSLGISNKMYLEK			Oxidation (M)[10]		Mascot
1493.723	1493.7281	0.0051	3	930	943	KTSYDHATSSPTAK					Mascot
1581.7941	1581.9062	0.1121	71	589	602	VDLPSHEAENIVMK					Mascot
1585.7639	1585.9478	0.1839	116	915	929	TGPSKDMTHGNISPK			Oxidation (M)[7]		Mascot
1585.7639	1585.9478	0.1839	116	915	929	TGPSKDMTHGNISPK			Oxidation (M)[7]		Mascot
1623.7981	1623.8043	0.0062	4	379	391	EGFCQLLQQMKNK			Carbamidomethyl (C)[4]		Mascot
1685.9221	1685.8553	-0.0668	-40	838	853	TGWLTGAIQLPKSEGK					Mascot
1685.9221	1685.8553	-0.0668	-40	838	853	TGWLTGAIQLPKSEGK					Mascot
1707.8173	1707.7656	-0.0517	-30	1	14	MFSPQPWHHGNITR					Mascot
2225.01	2225.1191	0.1091	49	881	901	MSSSVLASDISNPSYMG VGYSK			Oxidation (M)[1,16]		Mascot
2225.01	2225.1191	0.1091	49	881	901	MSSSVLASDISNPSYMG VGYSK			Oxidation (M)[1,16]		Mascot
2299.1135	2299.1863	0.0728	32	185	205	ASVCLDAEQVQNGNQTL PHFK					Mascot

18 Zgc:55395 protein [Danio rerio] gi|159155715 38358.6 8.55 9 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.577	882.5636	-0.0134	-15	308	316	GLPKLGIGK					Mascot

	1316.5986	1316.5469	-0.0517	-39	138	148	NNCTFCGVFRR							Mascot
	1348.6096	1348.7513	0.1417	105	2	12	PVQCSNCEQKR					Carbamidomethyl (C)[4]		Mascot
	1407.6719	1407.7087	0.0368	26	274	286	EGVKMPVQGTCSR					Oxidation (M)[5]		Mascot
	1407.6719	1407.7087	0.0368	26	274	286	EGVKMPVQGTCSR					Oxidation (M)[5]		Mascot
	1685.825	1685.8553	0.0303	18	133	147	QVGLKNNCTFCGVFR							Mascot
	1685.825	1685.8553	0.0303	18	133	147	QVGLKNNCTFCGVFR							Mascot
	1707.9752	1707.7656	-0.2096	-123	62	76	DSTVLAHVIKLLNER							Mascot
	2126.9851	2126.998	0.0129	6	226	242	KLDYFSTECIYSPNAYR					Carbamidomethyl (C)[9]		Mascot
	2187.0532	2187.0461	-0.0071	-3	163	182	ICTGHNADDVAETVLMNV LR					Oxidation (M)[16]		Mascot
	2191.0845	2191.1226	0.0381	17	191	211	CTAISTSSEGDGAIPRCK PLK					Carbamidomethyl (C)[1]		Mascot
19	novel protein [Danio rerio]				gi 169146109		64501.6	6.3	10	34	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
819.3842	819.4697	0.0855	104	226	232	GELESER					Mascot
996.5836	996.5935	0.0099	10	508	517	SPGILSPGIR					Mascot
996.5836	996.5935	0.0099	10	508	517	SPGILSPGIR					Mascot
1045.5411	1045.535	-0.0061	-6	118	126	VIADLEEEK					Mascot
1179.5319	1179.5959	0.064	54	92	101	LVMAHCTNMK			Oxidation (M)[3,9]		Mascot
1307.7106	1307.6395	-0.0711	-54	524	535	AEKFHSPVPAK					Mascot
1320.5663	1320.5818	0.0155	12	67	78	DSELSQAQDDGR					Mascot
1493.6909	1493.7281	0.0372	25	92	103	LVMAHCTNMKEK			Carbamidomethyl (C)[6], Oxidation (M)[3,9]		Mascot
1707.749	1707.7656	0.0166	10	130	145	AQDAAAGDDITDMLER			Oxidation (M)[13]		Mascot
1994.1029	1993.9698	-0.1331	-67	497	517	NLAAASSPTGKSPGILSP GIR					Mascot
2486.2092	2486.2356	0.0264	11	394	416	RLASLGCSSPTYSSYQ ASINQR					Mascot

20 interleukin 4/13B [Danio rerio] gi|193788073 13301.7 8.6 6 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1179.6224	1179.5959	-0.0265	-22	54	64	KTLCQAGMALK			Oxidation (M)[8]		Mascot
1277.6704	1277.7023	0.0319	25	55	66	TLCQAGMALKGK			Carbamidomethyl (C)[3]		Mascot
1789.9364	1789.9778	0.0414	23	13	27	TDEILLMEIIQSVNR			Oxidation (M)[7]		Mascot
2299.269	2299.1863	-0.0827	-36	13	32	TDEILLMEIIQSVNRILNGK					Mascot
2300.0903	2300.1763	0.086	37	36	54	MDLDQFIPDIYETGHYSK K					Mascot

	2486.1543	2486.2356	0.0813	33	33	53	GEKMDLDQFIPDIYETGH YSK						Mascot				
21	small ubiquitin-related modifier 3 precursor [Danio rerio] gi 239048085												10690.3	5.34	5	34	0
Peptide Information																	
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	%	Modification	Rank	Result Type				
	864.4131	864.5067	0.0936	108	1	7 MSEEKPK					Oxidation (M)[1]		Mascot				
	1234.6426	1234.6273	-0.0153	-12	21	32 VAGQDGSVVQFK							Mascot				
	1234.6426	1234.6273	-0.0153	-12	21	32 VAGQDGSVVQFK							Mascot				
	1277.6405	1277.7023	0.0618	48	1	11 MSEEKPKGVK					Oxidation (M)[1]		Mascot				
	1475.8217	1475.7515	-0.0702	-48	21	34 VAGQDGSVVQFKIK							Mascot				
	2299.1677	2299.1863	0.0186	8	12	32 TENDHINLKVAGQDGSV VQFK							Mascot				
22	PREDICTED: tRNA-dihydrouridine synthase 2-like [Danio rerio]												56676.6	6.04	11	33	0
Peptide Information																	
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	%	Modification	Rank	Result Type				
	842.473	842.5073	0.0343	41	436	443 TLGLPEGR							Mascot				
	913.5287	913.5778	0.0491	54	19	26 NILAPMVR							Mascot				
	1045.4628	1045.535	0.0722	69	288	295 YCLCQMLR					Oxidation (M)[6]		Mascot				
	1051.6007	1051.7104	0.1097	104	180	190 TGVAAlAVHGR							Mascot				
	1051.6007	1051.7104	0.1097	104	180	190 TGVAAlAVHGR							Mascot				
	1277.6041	1277.7023	0.0982	77	129	141 GGMGSALLSDPEK					Oxidation (M)[3]		Mascot				
	1316.5908	1316.5469	-0.0439	-33	288	297 YCLCQMLRDR					Oxidation (M)[6]		Mascot				
	1348.7041	1348.7513	0.0472	35	424	435 FAEQAAALVCLR					Carbamidomethyl (C)[10]		Mascot				
	1365.6467	1365.6542	0.0075	5	89	100 VVFQMGTDAPER					Oxidation (M)[5]		Mascot				
	1789.8458	1789.9778	0.132	74	107	123 LVENDVAADVNMGCPK					Oxidation (M)[13]		Mascot				
	2299.1387	2299.1863	0.0476	21	259	278 QQGALSVDQVMQEYITY AVR							Mascot				
	2384.1484	2383.9514	-0.197	-83	237	258 ESTGASSVMLARAAMWN PSVFR					Oxidation (M)[9]		Mascot				
23	hypothetical protein LOC574002 [Danio rerio]												32267.9	7.04	7	33	0
Peptide Information																	
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	%	Modification	Rank	Result Type				
	1174.6215	1174.603	-0.0185	-16	137	146 KPFPDNTVTR							Mascot				
	1279.6501	1279.7676	0.1175	92	2	13 AQSISGHTHVSR							Mascot				

	1327.6497	1327.7408	0.0911	69	147	158	CYVASDGLCLKR									Mascot
	1358.6456	1358.6879	0.0423	31	54	63	ACRLVCHEWK						Carbamidomethyl (C)[2,6]			Mascot
	1475.7158	1475.7515	0.0357	24	264	277	VTNSSVEICPAAER									Mascot
	1585.8333	1585.9478	0.1145	72	112	126	AEAGLQGWGKVDNK									Mascot
	1585.8333	1585.9478	0.1145	72	112	126	AEAGLQGWGKVDNK									Mascot
	2384.1736	2383.9514	-0.2222	-93	137	157	KPFPDNTVTRCYVASDG LCLK						Carbamidomethyl (C)[11]			Mascot
24	hypothetical protein LOC619199 [Danio rerio]				gi 75750507		27858.1	6.39	7	32	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1179.6732	1179.5959	-0.0773	-66	207	216	IKLYSESLAR					Mascot
1365.65	1365.6542	0.0042	3	15	27	ECVLSGLMSANGK			Carbamidomethyl (C)[2]		Mascot
1493.745	1493.7281	-0.0169	-11	15	28	ECVLSGLMSANGKK			Carbamidomethyl (C)[2]		Mascot
1629.6857	1629.8773	0.1916	118	155	167	THHDMDPRNTSMR			Oxidation (M)[5,12]		Mascot
1629.6857	1629.8773	0.1916	118	155	167	THHDMDPRNTSMR			Oxidation (M)[5,12]		Mascot
1685.8169	1685.8553	0.0384	23	141	154	FLSFVLNFDSDPR					Mascot
1685.8169	1685.8553	0.0384	23	141	154	FLSFVLNFDSDPR					Mascot
2211.2205	2211.1025	-0.118	-53	78	96	FLLANGQLVKMLLYSEVT R			Oxidation (M)[11]		Mascot
2255.0681	2255.0872	0.0191	8	117	136	VPITEAETQASDLGMGMD KR			Oxidation (M)[14]		Mascot

25 zinc finger protein Eos [Danio rerio] gi|294489252 53711.7 7.09 11 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
819.457	819.4697	0.0127	15	46	53	SLSANSIK					Mascot
882.4791	882.5636	0.0845	96	196	203	DALTGHLR					Mascot
1137.5687	1137.5479	-0.0208	-18	473	481	YEFSSHIVR					Mascot
1623.7874	1623.8043	0.0169	10	469	481	SQDRYEFSSHIVR					Mascot
1629.7827	1629.8773	0.0946	58	30	45	GPTVSTPNSQQSSPSR					Mascot
1629.7827	1629.8773	0.0946	58	30	45	GPTVSTPNSQQSSPSR					Mascot
1789.7856	1789.9778	0.1922	107	458	472	QPFECNICGHRSQDR					Mascot
2187.0979	2187.0461	-0.0518	-24	127	146	LKCDICGMICIGPNVLMV HK					Mascot
2191.0312	2191.1226	0.0914	42	129	147	CDICGMICIGPNVLMVHK R			Carbamidomethyl (C)[1], Oxidation (M)[6,15]		Mascot
2224.8464	2225.1191	0.2727	123	2	22	NADDCNGRSYMSGSGD SSTER			Oxidation (M)[11]		Mascot

	2225.0657	2225.1191	0.0534	24	303	321	HMRLNISEAPYDLDPNDK										Mascot
	2283.0029	2283.1821	0.1792	78	148	167	SHTGERPFQCNCQGASF TQK									Carbamidomethyl (C)[10]	Mascot
26	novel protein similar to vertebrate (PIWIL2) [Danio rerio] gi 123232882										22624.7	6.37	5	32	0	7	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1407.7665	1407.7087	-0.0578	-41	40	52	GLIMPIDEPLPGR					Mascot
1407.7665	1407.7087	-0.0578	-41	40	52	GLIMPIDEPLPGR					Mascot
1418.7208	1418.7982	0.0774	55	53	65	GRAFSVPGEMPVR			Oxidation (M)[10]		Mascot
1629.8628	1629.8773	0.0145	9	69	84	GITQSIAAEPLVGMAR			Oxidation (M)[14]		Mascot
1629.8628	1629.8773	0.0145	9	69	84	GITQSIAAEPLVGMAR	7	0	Oxidation (M)[14]		Mascot
2233.1646	2233.084	-0.0806	-36	149	171	VGSPGTGSSLVSMFRGL GIEPGK					Mascot
2384.1477	2383.9514	-0.1963	-82	17	37	APWQQSTEDQSQLLDQP SLGR					Mascot

27	PDZ domain containing 3 [Danio rerio]										gi 195546794	57507.4	6.03	9	32	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.5472	996.5935	0.0463	46	74	83	LLDSPGPAAR					Mascot
996.5472	996.5935	0.0463	46	74	83	LLDSPGPAAR					Mascot
1137.5535	1137.5479	-0.0056	-5	122	131	AYEQVVSEGR					Mascot
1320.6642	1320.5818	-0.0824	-62	512	524	VKTGDSGQQTLSI					Mascot
1358.7526	1358.6879	-0.0647	-48	464	476	GGETLSLLVVDQK					Mascot
1471.7573	1471.7124	-0.0449	-31	452	463	ESLEDVIMHVKR			Oxidation (M)[8]		Mascot
1685.8805	1685.8553	-0.0252	-15	142	155	GEGWRPPHLCHIRK					Mascot
1685.8805	1685.8553	-0.0252	-15	142	155	GEGWRPPHLCHIRK					Mascot
2225.2612	2225.1191	-0.1421	-64	349	369	LGLSPLLFCVDVPSALPE VKK					Mascot
2225.2612	2225.1191	-0.1421	-64	349	369	LGLSPLLFCVDVPSALPE VKK					Mascot
2233.0562	2233.084	0.0278	12	240	258	MPILPAMADAENMPYRP QR			Oxidation (M)[1,7]		Mascot
2299.0693	2299.1863	0.117	51	218	237	CSSHMTVLVIDSDTEKSY AR			Carbamidomethyl (C)[1]		Mascot

28	ATP-binding cassette sub-family D member 3 [Danio rerio]										gi 47087309	74945	9.47	12	32	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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		819.3777	819.4697	0.092	112	174	180	MGNLDNR									Mascot
		850.4716	850.5397	0.0681	80	151	156	LCFRVR									Mascot
		1051.6146	1051.7104	0.0958	91	2	11	AAVSKYLTA									Mascot
		1051.6411	1051.7104	0.0693	66	61	68	LFFIRISR									Mascot
		1179.6885	1179.5959	-0.0926	-78	56	65	AAVDKLFIR									Mascot
		1307.6923	1307.6395	-0.0528	-40	362	372	MLLRMSQALGR									Mascot
		1348.6339	1348.7513	0.1174	87	40	52	GSANELNSEKDGK									Mascot
		1585.818	1585.9478	0.1298	82	181	194	IANADQLLTQDVER									Mascot
		1585.818	1585.9478	0.1298	82	181	194	IANADQLLTQDVER									Mascot
		1629.9938	1629.8773	-0.1165	-71	12	27	NSAVAGGVLLVLYLK									Mascot
		1629.9938	1629.8773	-0.1165	-71	12	27	NSAVAGGVLLVLYLK									Mascot
		1685.9275	1685.8553	-0.0722	-43	297	309	KLVDHLHNFIFR									Mascot
		1685.9275	1685.8553	-0.0722	-43	297	309	KLVDHLHNFIFR									Mascot
		2211.2283	2211.1025	-0.1258	-57	482	501	VLGELWPLFGGNLTKPE RGK									Mascot
		2297.0723	2297.1912	0.1189	52	455	476	DLCFEVKSGTNVLVCGP NGCGK									Mascot
29	3'-phosphoadenosine 5'-phosphosulfate synthase 2b [Danio rerio]						gi 47086905	69402.5	6.65	12	32	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4937	864.5067	0.013	15	428	434	LLDRGYK					Mascot
1045.4772	1045.535	0.0578	55	559	566	RAMDFYDK					Mascot
1174.5198	1174.603	0.0832	71	560	568	AMDFYDKER					Mascot
1179.5463	1179.5959	0.0496	42	512	522	DPAGMPHPETK					Mascot
1200.651	1200.5228	-0.1282	-107	602	611	VLVEYYSSLK					Mascot
1307.5984	1307.6395	0.0411	31	341	351	CARQWGTTCPK			Carbamidomethyl (C)[1]		Mascot
1327.6826	1327.7408	0.0582	44	500	511	MIAGANFYIVGR			Oxidation (M)[1]		Mascot
1407.7015	1407.7087	0.0072	5	376	386	IKWNDGLDQYR					Mascot
1407.7015	1407.7087	0.0072	5	376	386	IKWNDGLDQYR					Mascot
1585.8624	1585.9478	0.0854	54	599	611	AWKVLVEYYSSLK					Mascot
1585.8624	1585.9478	0.0854	54	599	611	AWKVLVEYYSSLK					Mascot
1789.8538	1789.9778	0.124	69	582	598	SLARSGENPPDGFMAPK			Oxidation (M)[14]		Mascot
2255.1311	2255.0872	-0.0439	-19	309	328	LDGCAAFVLEFNGQKVAI MR			Carbamidomethyl (C)[4], Oxidation (M)[19]		Mascot
2486.2297	2486.2356	0.0059	2	211	232	EQDIVPTGVTEEVNELFV PENK					Mascot

30 PREDICTED: regulation of nuclear pre-mRNA domain-containing protein 1A-like [Danio rerio] gi|326676846 35366.6 8.79 7 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1179.5892	1179.5959	0.0067	6	115	124	AVYENDILDK					Mascot
1234.6677	1234.6273	-0.0404	-33	2	12	SVFSEPALEKK					Mascot
1234.6677	1234.6273	-0.0404	-33	2	12	SVFSEPALEKK					Mascot
1365.7083	1365.6542	-0.0541	-40	1	12	MSVFSEPALEKK					Mascot
1493.8335	1493.7281	-0.1054	-71	103	114	HLGRVLSIWQER					Mascot
1685.7872	1685.8553	0.0681	40	214	228	LVEEACMLLADYSGR			Oxidation (M)[7]		Mascot
1685.7872	1685.8553	0.0681	40	214	228	LVEEACMLLADYSGR			Oxidation (M)[7]		Mascot
2191.1394	2191.1226	-0.0168	-8	107	124	VLSIWQERAVYENDILDK					Mascot
2300.0977	2300.1763	0.0786	34	291	312	LPNVTGGHMRPLSSGDL YSPSD					Mascot

31 PREDICTED: hypothetical protein LOC100538026 [Danio rerio] gi|326673594 14275.3 8.81 6 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1179.6224	1179.5959	-0.0265	-22	62	72	KTLCQAGMALK			Oxidation (M)[8]		Mascot
1277.6704	1277.7023	0.0319	25	63	74	TLCQAGMALKGK			Carbamidomethyl (C)[3]		Mascot
1789.9364	1789.9778	0.0414	23	21	35	TDEILLMEIIQSVNRR			Oxidation (M)[7]		Mascot
2299.269	2299.1863	-0.0827	-36	21	40	TDEILLMEIIQSVNRILNGK					Mascot
2300.0903	2300.1763	0.086	37	44	62	MDLDQFIPDIYETGHYSK					Mascot
2486.1543	2486.2356	0.0813	33	41	61	GEKMDLDQFIPDIYETGH YSK					Mascot

32 guanine nucleotide-binding protein G(i) subunit alpha-2 [Danio rerio] gi|41054141 39570.8 5.55 8 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1407.6532	1407.7087	0.0555	39	2	15	GCTVSAEDKAAAER					Mascot
1407.6532	1407.7087	0.0555	39	2	15	GCTVSAEDKAAAER					Mascot
1434.7224	1434.7642	0.0418	29	158	169	SDYIPTQQDVLRR					Mascot
1581.759	1581.9062	0.1472	93	122	135	RLWADSGVGQCFRR					Mascot
1585.9523	1585.9478	-0.0045	-3	28	43	LLLLGAGESGKSTIVK					Mascot

	1585.9523	1585.9478	-0.0045	-3	28	43	LLLLGAGESGKSTIVK										Mascot
	1626.7832	1626.7854	0.0022	1	274	288	SPLTICFPEYSGANK										Mascot
	1707.9315	1707.7656	-0.1659	-97	324	338	NVQFVFDAVTDVIK										Mascot
	2177.1965	2177.1233	-0.0732	-34	324	342	NVQFVFDAVTDVIKNNLK										Mascot
	3787.7803	3787.8743	0.094	25	204	235	WIHCFEGVTAIIFCVALSA YDLVLAEDEEMNR						Carbamidomethyl (C)[4,14], Oxidation (M)[30]				Mascot
33	28S ribosomal protein S6, mitochondrial [Danio rerio]						gi 113671790	13389	9.39	6	31	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4478	842.5073	0.0595	71	51	57	ISKHDSR					Mascot
907.3872	907.4729	0.0857	94	103	110	GQCCGVAR			Carbamidomethyl (C)[3,4]		Mascot
1045.5636	1045.535	-0.0286	-27	38	46	SLENLGERK					Mascot
1179.5245	1179.5959	0.0714	61	103	113	GQCCGVAREEK					Mascot
1327.7079	1327.7408	0.0329	25	2	11	PRYELVMVLK			Oxidation (M)[7]		Mascot
1358.7208	1358.6879	-0.0329	-24	12	23	AMQRPETAAVLR			Oxidation (M)[2]		Mascot

34	PREDICTED: ras GTPase-activating protein nGAP [Danio rerio]						gi 326664974	149038.9	7.89	15	31	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4842	842.5073	0.0231	27	326	332	RTVQPNK					Mascot
1137.5786	1137.5479	-0.0307	-27	1323	1332	LSITENGEFK					Mascot
1174.5634	1174.603	0.0396	34	327	336	TVQPNKDNCR					Mascot
1234.6902	1234.6273	-0.0629	-51	2	12	VVNSVIPNQHK					Mascot
1234.6902	1234.6273	-0.0629	-51	2	12	VVNSVIPNQHK					Mascot
1327.6311	1327.7408	0.1097	83	1263	1274	DHAEMQAVIDAK					Mascot
1358.6771	1358.6879	0.0108	8	1000	1014	SASPSASGGRGATPR					Mascot
1365.7307	1365.6542	-0.0765	-56	1	12	MVVNSVIPNQHK					Mascot
1393.8049	1393.7286	-0.0763	-55	14	25	TENIVIEPLLPR					Mascot
1411.6998	1411.6959	-0.0039	-3	827	838	SPVQEHEALVR			Oxidation (M)[7]		Mascot
1581.8457	1581.9062	0.0605	38	609	621	IINSYCVFRELK					Mascot
1585.7162	1585.9478	0.2316	146	1323	1336	LSITENGEFKNSSC			Carbamidomethyl (C)[14]		Mascot
1585.7162	1585.9478	0.2316	146	1323	1336	LSITENGEFKNSSC			Carbamidomethyl (C)[14]		Mascot
1623.7972	1623.8043	0.0071	4	1017	1030	IPSTSSVEEEFSRR					Mascot
2232.9729	2233.084	0.1111	50	378	396	SDCLFWGEHFEFSGLP MK			Oxidation (M)[18]		Mascot

	2297.0408	2297.1912	0.1504	65	600	618	MCCELAFCCKIINSYCVFP R						Carbamidomethyl (C)[2]	Mascot
	2486.2971	2486.2356	-0.0615	-25	415	436	NNYVGLVNIPVHGVMGR QFVEK						Oxidation (M)[15]	Mascot
35	alpha-2,6-sialyltransferase ST6GalNAc V [Danio rerio] gi 46425414 35841.8 9.33 8 31 0													

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
819.3954	819.4697	0.0743	91	195	201	NETGKDR						Mascot	
1186.5813	1186.5629	-0.0184	-16	186	194	MLQFDELFLK				Oxidation (M)[1]		Mascot	
1186.5813	1186.5629	-0.0184	-16	186	194	MLQFDELFLK				Oxidation (M)[1]		Mascot	
1320.7456	1320.5818	-0.1638	-124	160	170	GLVYNNLRMLK						Mascot	
1348.6869	1348.7513	0.0644	48	268	278	HGSHHRFITEK						Mascot	
1623.7213	1623.8043	0.083	51	72	87	SCALVTSSGHTGSGR				Carbamidomethyl (C)[2], Oxidation (M)[11]		Mascot	
2049.0408	2048.9512	-0.0896	-44	111	128	DVGQHTNLRVIAHSSMQ R						Mascot	
2176.9961	2177.1233	0.1272	58	88	106	GAEIDETECVIRMNDAPT R				Carbamidomethyl (C)[9]		Mascot	
2384.3047	2383.9514	-0.3533	-148	176	194	LQVYIISRPKMLQFDELFLK				Oxidation (M)[11]		Mascot	

36	muscle segment homeobox C [Danio rerio] gi 27802781 30126.5 9.66 7 31 0													
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1179.531	1179.5959	0.0649	55	111	120	RGDMEELSDK						Mascot	
1200.6833	1200.5228	-0.1605	-134	209	218	LQEAEELEKLK						Mascot	
1279.6576	1279.7676	0.11	86	137	147	HSSPPPTLRK				Carbamidomethyl (C)[7]		Mascot	
1307.571	1307.6395	0.0685	52	25	36	SADKEDAQSNDK						Mascot	
1393.7507	1393.7286	-0.0221	-16	85	96	LKLSPMALYADR				Oxidation (M)[6]		Mascot	
1993.9028	1993.9698	0.067	34	1	19	MAPLSSMMNSEGPLSQE GK						Mascot	
2486.2004	2486.2356	0.0352	14	61	84	TSSRTLYTSSEAGIISPTS GADER						Mascot	

37	novel protein similar to vertebrate low density lipoprotein-related protein 1B (deleted in tumors) gi 148725599 322473.7 5.38 20 31 0 13 0													
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
864.4607	864.5067	0.046	53	1080	1087	VSGKCVSK				Carbamidomethyl (C)[5]		Mascot	
913.5366	913.5778	0.0412	45	1388	1394	QRHVVFVK						Mascot	

	996.4996	996.5935	0.0939	94	1801	1808	VYDKDTQK										Mascot
	996.4996	996.5935	0.0939	94	1801	1808	VYDKDTQK										Mascot
	1137.6051	1137.5479	-0.0572	-50	1595	1603	IYWADVKS										Mascot
	1174.5819	1174.603	0.0211	18	869	877	CLNNRCIPK						Carbamidomethyl (C)[1,6]				Mascot
	1179.5786	1179.5959	0.0173	15	1379	1389	IEGASMSGKQR						Oxidation (M)[6]				Mascot
	1200.6331	1200.5228	-0.1103	-92	2468	2477	GERILLDDNR										Mascot
	1234.5382	1234.6273	0.0891	72	446	456	THACSPDPHGR						Carbamidomethyl (C)[4]				Mascot
	1234.5382	1234.6273	0.0891	72	446	456	THACSPDPHGR						Carbamidomethyl (C)[4]				Mascot
	1316.5293	1316.5469	0.0176	13	2519	2528	MQYCENRNCR										Mascot
	1348.5885	1348.7513	0.1628	121	915	924	CIPENWRCRDR						Carbamidomethyl (C)[1]				Mascot
	1358.7526	1358.6879	-0.0647	-48	738	749	LDLLSDDVSLLR										Mascot
	1434.7118	1434.7642	0.0524	37	1537	1549	LSANNSTCQGVKR						Carbamidomethyl (C)[8]				Mascot
	1475.589	1475.7515	0.1625	110	2515	2525	SDEKMQYCENR						Carbamidomethyl (C)[8], Oxidation (M)[5]				Mascot
	1493.7383	1493.7281	-0.0102	-7	2352	2364	LYFSDGSLGHIER										Mascot
	1581.7373	1581.9062	0.1689	107	1196	1207	HLRCSQVCEQHK						Carbamidomethyl (C)[4,8]				Mascot
	1623.7352	1623.8043	0.0691	43	1735	1749	CNLDGSGLDVIDSMK						Carbamidomethyl (C)[1]				Mascot
	1629.8312	1629.8773	0.0461	28	44	57	VRCPVNNIQLGTR						Carbamidomethyl (C)[3]				Mascot
	1629.8312	1629.8773	0.0461	28	44	57	VRCPVNNIQLGTR			13	0		Carbamidomethyl (C)[10]				Mascot
	2191.0159	2191.1226	0.1067	49	1847	1865	STCEGLQSFLMYSVNEGI R						Carbamidomethyl (C)[3]				Mascot
	2232.9546	2233.084	0.1294	58	1682	1701	MFWMDGGTINMANMDG SNIK										Mascot
	2254.8909	2255.0872	0.1963	87	65	83	LCDGVVRCDEGYDEGVH CR						Carbamidomethyl (C)[2,8]				Mascot
	2296.9341	2297.1912	0.2571	112	1682	1701	MFWMDGGTINMANMDG SNIK						Oxidation (M)[1,4,11,14]				Mascot
38	PREDICTED: protein NLRC3-like [Danio rerio]				gi 326667285		62976.7	6.15	9	30	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
907.4553	907.4729	0.0176	19	134	140	EMNLKEK				Oxidation (M)[2]		Mascot
1045.5272	1045.535	0.0078	7	423	431	GLLTQQDDR						Mascot
1234.7041	1234.6273	-0.0768	-62	436	445	EEIIAYIKQK						Mascot
1234.7041	1234.6273	-0.0768	-62	436	445	EEIIAYIKQK						Mascot
1434.6755	1434.7642	0.0887	62	371	383	ASVYSGMCTQIFK						Mascot
1585.7605	1585.9478	0.1873	118	80	92	HLFEAAEQDEQIR						Mascot
1585.7605	1585.9478	0.1873	118	80	92	HLFEAAEQDEQIR						Mascot
1623.8523	1623.8043	-0.048	-30	529	542	SVTALQARTFELCK				Carbamidomethyl (C)[13]		Mascot
1629.8231	1629.8773	0.0542	33	394	407	ALESENGHLDLYLR						Mascot

		1629.8231	1629.8773	0.0542	33	394	407	ALESENGHLDLYLR									Mascot
		2187.0273	2187.0461	0.0188	9	352	370	NNVIFYESDLKDCGIDVD K									Mascot
		2191.1541	2191.1226	-0.0315	-14	1	17	MEIYELLFIYQLKCSLK						Carbamidomethyl (C)[14]			Mascot
39	Mpx protein [Danio rerio]					gi 33604059		98909.4	8.49	12	30	0					
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I. %	Modification			Rank	Result	Type
		819.4835	819.4697	-0.0138	-17	653	658 QFQKIR										Mascot
		864.5189	864.5067	-0.0122	-14	827	834 SLGFVTLK										Mascot
		907.5247	907.4729	-0.0518	-57	39	46 KIVDAAYK										Mascot
		1165.6398	1165.7404	0.1006	86	642	652 VGSLFACLISR										Mascot
		1165.6398	1165.7404	0.1006	86	642	652 VGSLFACLISR										Mascot
		1179.6116	1179.5959	-0.0157	-13	865	874 GDRVYVEVSR										Mascot
		1471.7864	1471.7124	-0.074	-50	330	342 ELRDLTNDGGLLR										Mascot
		1493.7343	1493.7281	-0.0062	-4	726	739 ETDRDSIPGPPGPR										Mascot
		1585.8081	1585.9478	0.1397	88	730	745 DSIPGPPGPRGPPGER										Mascot
		1585.8081	1585.9478	0.1397	88	730	745 DSIPGPPGPRGPPGER										Mascot
		1609.688	1609.8849	0.1969	122	123	136 MTGCEAQRTPPSCR					Carbamidomethyl (C)[4], Oxidation (M)[1]					Mascot
		1623.8376	1623.8043	-0.0333	-21	445	458 EYLPLIVGTDAYNR										Mascot
		1789.9741	1789.9778	0.0037	2	189	204 LYNGAALPMVRLVSNR					Oxidation (M)[9]					Mascot
		2187.1729	2187.0461	-0.1268	-58	104	122 RSINATNLLTQDELQTITR										Mascot
40	PREDICTED: bromodomain adjacent to zinc finger domain protein 1A, partial [Danio rerio]					gi 125841384		81560.8	6.03	11	30	0					
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I. %	Modification			Rank	Result	Type
		819.4505	819.4697	0.0192	23	210	216 VAQMSRK										Mascot
		1045.3999	1045.535	0.1351	129	303	310 EQMMSMEK					Oxidation (M)[3,4]					Mascot
		1186.6434	1186.5629	-0.0805	-68	594	603 LKILHSMCGK					Carbamidomethyl (C)[8]					Mascot
		1186.6434	1186.5629	-0.0805	-68	594	603 LKILHSMCGK					Carbamidomethyl (C)[8]					Mascot
		1234.7782	1234.6273	-0.1509	-122	2	11 PLLHKKPFVR										Mascot
		1234.7782	1234.6273	-0.1509	-122	2	11 PLLHKKPFVR										Mascot
		1277.7939	1277.7023	-0.0916	-72	393	403 ELPKPIPVKTR										Mascot
		1316.5796	1316.5469	-0.0327	-25	303	312 EQMMSMEKFR										Mascot
		1348.5695	1348.7513	0.1818	135	303	312 EQMMSMEKFR					Oxidation (M)[3,4]					Mascot

	1365.6151	1365.6542	0.0391	29	231	241	QHCEPMHGTIR		Carbamidomethyl (C)[3]	Mascot	
	1581.7828	1581.9062	0.1234	78	580	593	LSCTSVYDLLPGEK		Carbamidomethyl (C)[3]	Mascot	
	1685.7952	1685.8553	0.0601	36	114	127	DRFFPGEMVDITSR		Oxidation (M)[8]	Mascot	
	1685.7952	1685.8553	0.0601	36	114	127	DRFFPGEMVDITSR		Oxidation (M)[8]	Mascot	
	1993.9912	1993.9698	-0.0214	-11	535	552	LHILSSGADCGFTNAKFR		Carbamidomethyl (C)[10]	Mascot	
	2283.1836	2283.1821	-0.0015	-1	195	215	VQPVSPCEAPVIVKVAQ MSR		Oxidation (M)[19]	Mascot	
41	hypothetical protein LOC797046 [Danio rerio]				gi 167963524		11905.9	7.66	5	30	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1320.6576	1320.5818	-0.0758	-57	14	25	KQAEDILCSTGR					Mascot
1348.6379	1348.7513	0.1134	84	2	13	EDLAEYHGSISK					Mascot
1623.7683	1623.8043	0.036	22	1	14	MEDLAEYHGSISKK			Oxidation (M)[1]		Mascot
1707.8192	1707.7656	-0.0536	-31	60	74	GGLWTIEMAPGMKER			Oxidation (M)[8,12]		Mascot
2211.1631	2211.1025	-0.0606	-27	88	106	MPDQGITFLLYPVNKPK H			Oxidation (M)[1]		Mascot

42	Spectrin, beta, erythrocytic [Danio rerio]				gi 190338653		272596.4	5.26	22	30	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
819.4318	819.4697	0.0379	46	178	184	QETRSAK					Mascot
1045.5524	1045.535	-0.0174	-17	393	402	EGALVSDINK					Mascot
1051.5531	1051.7104	0.1573	150	2211	2219	KHELEGPNNK					Mascot
1051.5531	1051.7104	0.1573	150	2212	2220	HELEGPNNK					Mascot
1109.5255	1109.4902	-0.0353	-32	1258	1266	MSSIEERNK			Oxidation (M)[1]		Mascot
1174.6062	1174.603	-0.0032	-3	1019	1028	LDSLRDEAQK					Mascot
1234.5909	1234.6273	0.0364	29	1060	1070	DREDSLGEVSK					Mascot
1234.5909	1234.6273	0.0364	29	1060	1070	DREDSLGEVSK					Mascot
1277.6381	1277.7023	0.0642	50	185	194	DALLLWCQMK			Carbamidomethyl (C)[7]		Mascot
1320.7198	1320.5818	-0.138	-104	517	526	LWDYLQELLK					Mascot
1348.6968	1348.7513	0.0545	40	2100	2109	KQQQEIQQYR					Mascot
1365.6896	1365.6542	-0.0354	-26	1390	1401	SELFDQSLADLK					Mascot
1407.621	1407.7087	0.0877	62	1219	1230	HEDFVTMTDANK					Mascot
1407.621	1407.7087	0.0877	62	1219	1230	HEDFVTMTDANK					Mascot
1418.6798	1418.7982	0.1184	83	1044	1055	QEELDAAWDTLK					Mascot
1493.7845	1493.7281	-0.0564	-38	1390	1402	SELFDQSLADLK					Mascot

1581.8193	1581.9062	0.0869	55	836	848	DMYIELLTLSDLR							Mascot
1609.8367	1609.8849	0.0482	30	74	86	VSCRISDLYLDLR				Carbamidomethyl (C)[3]			Mascot
1623.783	1623.8043	0.0213	13	898	911	LSILAQEMGNMQTR				Oxidation (M)[8,11]			Mascot
1685.8315	1685.8553	0.0238	14	2281	2294	LRLGDGSEYLFQCK				Carbamidomethyl (C)[13]			Mascot
1685.8315	1685.8553	0.0238	14	2281	2294	LRLGDGSEYLFQCK				Carbamidomethyl (C)[13]			Mascot
1993.9569	1993.9698	0.0129	6	699	715	DNLKQVMDEGESMIQIK				Oxidation (M)[7]			Mascot
2127.0574	2126.998	-0.0594	-28	703	721	QVMDEGESMIQIKHLGSP K							Mascot
2284.2507	2284.1724	-0.0783	-34	984	1004	VIESTQDLGNDLAAVITIQ RK							Mascot
2299.1963	2299.1863	-0.01	-4	2189	2210	AASLPTESTQVQPVLME GTLAR							Mascot

43 PREDICTED: NADH dehydrogenase [ubiquinone] 1
alpha subcomplex subunit 9, mitochondrial-like [Danio

gi|68437403 26034.6 9.74 6 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.5397	0.0616	72	178	184	SPSKYLR					Mascot
1165.6034	1165.7404	0.137	118	78	87	MGSQVVIPIYR			Oxidation (M)[1]		Mascot
1165.6034	1165.7404	0.137	118	78	87	MGSQVVIPIYR			Oxidation (M)[1]		Mascot
1179.5752	1179.5959	0.0207	18	205	214	ASELFGREDR					Mascot
1475.8151	1475.7515	-0.0636	-43	75	87	LGRMGQVVIPIYR					Mascot
1581.8319	1581.9062	0.0743	47	165	177	KFIHMSHLNADIR					Mascot
1685.9441	1685.8553	-0.0888	-53	1	16	MASVTLICRPAGILPK			Oxidation (M)[1]		Mascot
1685.9441	1685.8553	-0.0888	-53	1	16	MASVTLICRPAGILPK			Oxidation (M)[1]		Mascot

44 novel protein similar to human and mouse
myeloid/lymphoid or mixed-lineage leukemia 3 (MLL3)
[Danio

gi|157885936 82601.8 9.38 13 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.5189	864.5067	-0.0122	-14	636	642	ELLYKAK					Mascot
870.4679	870.5366	0.0687	79	140	147	SISEGHLK					Mascot
996.5948	996.5935	-0.0013	-1	462	470	VLGPVAERR					Mascot
996.5948	996.5935	-0.0013	-1	462	470	VLGPVAERR					Mascot
1045.6152	1045.535	-0.0802	-77	602	611	IQGLGLFAAR					Mascot
1174.488	1174.603	0.115	98	17	24	QQWCQHCK			Carbamidomethyl (C)[4,7]		Mascot
1307.5685	1307.6395	0.071	54	423	433	YVCSVEEHEGR					Mascot

	1331.6624	1331.6263	-0.0361	-27	499	511	IAESLPGVEACSR							Mascot
	1609.7686	1609.8849	0.1163	72	273	285	QRGQTVVCAFCQR				Carbamidomethyl (C)[8,11]			Mascot
	1623.7002	1623.8043	0.1041	64	421	433	CRYVCSVEEHEGR				Carbamidomethyl (C)[1]			Mascot
	1707.8483	1707.7656	-0.0827	-48	499	513	IAESLPGVEACSR				Carbamidomethyl (C)[11]			Mascot
	1751.8724	1751.9036	0.0312	18	156	169	LHSHLEDKQWHHGK							Mascot
	2225.0112	2225.1191	0.1079	48	668	686	YINHSCSPNCVAEVTFR				Carbamidomethyl (C)[6]			Mascot
	2225.0112	2225.1191	0.1079	48	668	686	YINHSCSPNCVAEVTFR				Carbamidomethyl (C)[6]			Mascot
	2283.1562	2283.1821	0.0259	11	328	348	GAGAAAGLHVEHQLRCF SVFR				Carbamidomethyl (C)[16]			Mascot
45	Pbx2 [Danio rerio]				gi 7861936		18895.6	9.08	6	29	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4686	864.5067	0.0381	44	153	159	SRFLDAR					Mascot
1051.5782	1051.7104	0.1322	126	133	141	FSSIQTQLK					Mascot
1051.5782	1051.7104	0.1322	126	133	141	FSSIQTQLK					Mascot
1179.6442	1179.5959	-0.0483	-41	1	10	ALFSVLCEIK			Carbamidomethyl (C)[7]		Mascot
1307.6447	1307.6395	-0.0052	-4	142	152	QSTCEAVMILR			Carbamidomethyl (C)[4]		Mascot
1493.7563	1493.7281	-0.0282	-19	142	154	QSTCEAVMILRSR					Mascot
2283.1836	2283.1821	-0.0015	-1	133	152	FSSIQTQLKQSTCEAVMI LR					Mascot
2299.1785	2299.1863	0.0078	3	133	152	FSSIQTQLKQSTCEAVMI LR			Oxidation (M)[17]		Mascot

46 novel NACHT domain containing protein [Danio rerio] gi|169158294 81351.9 5.71 10 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
819.4318	819.4697	0.0379	46	570	576	TQAEKSR					Mascot
882.4791	882.5636	0.0845	96	670	676	EIQSHLR					Mascot
907.4553	907.4729	0.0176	19	274	280	EMNLKEK			Oxidation (M)[2]		Mascot
1045.5272	1045.535	0.0078	7	620	628	GLLTQQDDR					Mascot
1200.5929	1200.5228	-0.0701	-58	18	29	SGSCVFSSVSLK					Mascot
1234.7041	1234.6273	-0.0768	-62	633	642	EEIIAYIKQK					Mascot
1234.7041	1234.6273	-0.0768	-62	633	642	EEIIAYIKQK					Mascot
1277.7212	1277.7023	-0.0189	-15	605	615	FLLSLSLQSNR					Mascot
1434.6755	1434.7642	0.0887	62	522	534	ASVYSGMCTQIFK					Mascot
1585.7605	1585.9478	0.1873	118	220	232	HLFEAAEQDEQIR					Mascot

		1585.7605	1585.9478	0.1873	118	220	232	HLFEAAEQDEQIR						Mascot
		1629.8231	1629.8773	0.0542	33	591	604	ALESENGHLDLYLR						Mascot
		1629.8231	1629.8773	0.0542	33	591	604	ALESENGHLDLYLR						Mascot
47	novel protein similar to human guanylate binding protein 1, interferon-inducible, 67kDa (GBP1) [Dan	gi 94732983	70719.1	6.33	11	29	0							
	Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type	
		819.4505	819.4697	0.0192	23	577	582	QQIMRK			Oxidation (M)[4]		Mascot	
		913.4737	913.5778	0.1041	114	365	372	DTDGKHLK					Mascot	
		1365.6925	1365.6542	-0.0383	-28	164	173	FFPHFIWCLR					Mascot	
		1407.6896	1407.7087	0.0191	14	583	595	ICDSVDSSGRIAK			Carbamidomethyl (C)[2]		Mascot	
		1407.6896	1407.7087	0.0191	14	583	595	ICDSVDSSGRIAK			Carbamidomethyl (C)[2]		Mascot	
		1418.8114	1418.7982	-0.0132	-9	57	69	RTGFALSSNIKPK					Mascot	
		1581.7698	1581.9062	0.1364	86	206	217	VMMYNLPRECIR			Carbamidomethyl (C)[10]		Mascot	
		1585.7632	1585.9478	0.1846	116	185	197	DLTEDEYLEFALK					Mascot	
		1585.7632	1585.9478	0.1846	116	185	197	DLTEDEYLEFALK					Mascot	
		1685.9003	1685.8553	-0.045	-27	484	497	LQVDDVQMNLVRQK					Mascot	
		1685.9003	1685.8553	-0.045	-27	484	497	LQVDDVQMNLVRQK					Mascot	
		1707.8193	1707.7656	-0.0537	-31	350	364	LSSMATQAFMARSK			Oxidation (M)[4,10]		Mascot	
		1789.7859	1789.9778	0.1919	107	70	83	TEGIWMWCMPHPTK			Carbamidomethyl (C)[8], Oxidation (M)[6]		Mascot	
		2284.1606	2284.1724	0.0118	5	451	471	TPHVLEVPGASVPEEGI SFR					Mascot	
48	novel protein similar to vertebrate Rab6-interacting protein 2 (RAB6IP2) [Danio rerio]	gi 148725254	16579.4	5.72	1	14	0							
	Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type	
		1407.7222	1407.7087	-0.0135	-10	1	12	MEELLAAMEKVK	14	0	Oxidation (M)[8]	3	Mascot	
49	PREDICTED: low-density lipoprotein receptor-related protein 1B, partial [Danio rerio]	gi 326678476	326092.8	5.15	1	13	0							
	Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type	
		1629.8312	1629.8773	0.0461	28	42	55	VRCPVNNIQLGTR	13	0	Carbamidomethyl (C)[10]	2	Mascot	
50	PREDICTED: microtubule-actin cross-linking factor 1, isoforms 1/2/3/5-like [Danio rerio]	gi 326674648	241935.3	5.5	1	12	0							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1585.8115	1585.9478	0.1363	86	1240	1253 SAIHRMLEASEVAR	12	0	Oxidation (M)[6]	2	Mascot

Gel Idx/Pos	228/J4	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	vitellogenin 1 [Danio rerio]	gi 21391474	21118.2	9	3	90	99.996	78	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1695.8999	1695.88	-0.0199	-12	119	134 VFAPAGVSPTVMNLHR					Mascot
1699.9377	1699.9181	-0.0196	-12	34	49 YEALLLGGLPQEGRLAR	78	100			Mascot
1699.9377	1699.9181	-0.0196	-12	34	49 YEALLLGGLPQEGRLAR					Mascot
1711.8948	1711.8756	-0.0192	-11	119	134 VFAPAGVSPTVMNLHR			Oxidation (M)[12]		Mascot
1796.8928	1796.9912	0.0984	55	72	86 LMDPLLYEYAGTWPK					Mascot

2	Zgc:136383 protein [Danio rerio]	gi 125857991	148644.2	8.93	11	89	99.995	76	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1023.5105	1023.4974	-0.0131	-13	194	202 DVGLAYTER					Mascot
1045.5465	1045.5513	0.0048	5	1345	1352 DFLSWIHK					Mascot
1118.5986	1118.4963	-0.1023	-91	1316	1324 IPEITMSRR			Oxidation (M)[6]		Mascot
1193.6348	1193.6031	-0.0317	-27	1115	1124 TATIMEPFRK					Mascot
1193.6348	1193.6031	-0.0317	-27	1115	1124 TATIMEPFRK					Mascot
1383.6725	1383.6716	-0.0009	-1	1223	1234 VTAKFSWGAECK			Carbamidomethyl (C)[11]		Mascot
1427.7021	1427.7695	0.0674	47	1112	1123 MSKTATIMEPFR			Oxidation (M)[1]		Mascot
1695.8999	1695.88	-0.0199	-12	118	133 VFAPAGVSPTVMNLHR					Mascot
1699.9377	1699.9181	-0.0196	-12	33	48 YEALLLGGLPQEGRLAR	78	100			Mascot
1699.9377	1699.9181	-0.0196	-12	33	48 YEALLLGGLPQEGRLAR					Mascot
1711.8948	1711.8756	-0.0192	-11	118	133 VFAPAGVSPTVMNLHR			Oxidation (M)[12]		Mascot
1716.918	1716.8309	-0.0871	-51	581	595 HVASFAYSHIKSLTR					Mascot

	1796.8928	1796.9912	0.0984	55	71	85	LMDPLLYEYAGTWPK									Mascot
	2233.2009	2233.0579	-0.143	-64	592	613	SLTRITAPDMAYVAGAAN VAIK									Mascot
3	vitellogenin 6 [Danio rerio]				gi 303227889		150936.1	8.84	9	87	99.991	78	100			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1023.5105	1023.4974	-0.0131	-13	206	214	DVGLAYTER						Mascot
	1090.5925	1090.5172	-0.0753	-69	1337	1345	IPEITMSKR				Oxidation (M)[6]		Mascot
	1193.6348	1193.6031	-0.0317	-27	1136	1145	TATIMEPFRK						Mascot
	1193.6348	1193.6031	-0.0317	-27	1136	1145	TATIMEPFRK						Mascot
	1383.6725	1383.6716	-0.0009	-1	1244	1255	VTAKFSWGAECK				Carbamidomethyl (C)[11]		Mascot
	1427.7021	1427.7695	0.0674	47	1133	1144	MSKTATIMEPFR				Oxidation (M)[1]		Mascot
	1695.8999	1695.88	-0.0199	-12	130	145	VFAPAGVSPTVMNLHR						Mascot
	1699.9377	1699.9181	-0.0196	-12	45	60	YEALLLGGLPQEGLAR	78		100			Mascot
	1699.9377	1699.9181	-0.0196	-12	45	60	YEALLLGGLPQEGLAR						Mascot
	1711.8948	1711.8756	-0.0192	-11	130	145	VFAPAGVSPTVMNLHR				Oxidation (M)[12]		Mascot
	1796.8928	1796.9912	0.0984	55	83	97	LMDPLLYEYAGTWPK						Mascot
	2233.2009	2233.0579	-0.143	-64	604	625	SLTRITAPDMAYVAGAAN VAIK						Mascot

4	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]				gi 94733734		149808.5	8.83	9	86	99.99	78	100			
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1023.5105	1023.4974	-0.0131	-13	199	207	DVGLAYTER						Mascot
	1090.5925	1090.5172	-0.0753	-69	1326	1334	IPEITMSKR				Oxidation (M)[6]		Mascot
	1193.6348	1193.6031	-0.0317	-27	1125	1134	TATIMEPFRK						Mascot
	1193.6348	1193.6031	-0.0317	-27	1125	1134	TATIMEPFRK						Mascot
	1383.6725	1383.6716	-0.0009	-1	1233	1244	VTAKFSWGAECK				Carbamidomethyl (C)[11]		Mascot
	1427.7021	1427.7695	0.0674	47	1122	1133	MSKTATIMEPFR				Oxidation (M)[1]		Mascot
	1695.8999	1695.88	-0.0199	-12	123	138	VFAPAGVSPTVMNLHR						Mascot
	1699.9377	1699.9181	-0.0196	-12	38	53	YEALLLGGLPQEGLAR	78		100			Mascot
	1699.9377	1699.9181	-0.0196	-12	38	53	YEALLLGGLPQEGLAR						Mascot
	1711.8948	1711.8756	-0.0192	-11	123	138	VFAPAGVSPTVMNLHR				Oxidation (M)[12]		Mascot
	1796.8928	1796.9912	0.0984	55	76	90	LMDPLLYEYAGTWPK						Mascot
	2233.2009	2233.0579	-0.143	-64	597	618	SLTRITAPDMAYVAGAAN VAIK						Mascot

5 Unknown (protein for MGC:174137) [Danio rerio] gi|152012733 17051.5 7.71 2 86 99.99 78 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1699.9377	1699.9181	-0.0196	-12	34	49 YEALLLGGLPQEGLAR	78	100			Mascot
1699.9377	1699.9181	-0.0196	-12	34	49 YEALLLGGLPQEGLAR					Mascot
1796.8928	1796.9912	0.0984	55	72	86 LMDPLLYEYAGTWPK					Mascot

6 hypothetical protein LOC678536 [Danio rerio] gi|160420306 148750.2 8.89 10 86 99.99 76 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1023.5105	1023.4974	-0.0131	-13	195	203 DVGLAYTER					Mascot
1045.5465	1045.5513	0.0048	5	1346	1353 DFLSWIHK					Mascot
1118.5986	1118.4963	-0.1023	-91	1317	1325 IPEITMSRR			Oxidation (M)[6]		Mascot
1193.6348	1193.6031	-0.0317	-27	1116	1125 TATIMEPFRK					Mascot
1193.6348	1193.6031	-0.0317	-27	1116	1125 TATIMEPFRK					Mascot
1383.6725	1383.6716	-0.0009	-1	1224	1235 VTAKFSWGAECK			Carbamidomethyl (C)[11]		Mascot
1427.7021	1427.7695	0.0674	47	1113	1124 MSKTATIMEPFR			Oxidation (M)[1]		Mascot
1695.8999	1695.88	-0.0199	-12	119	134 VFAPAGVSPTVMNLHR					Mascot
1699.9377	1699.9181	-0.0196	-12	34	49 YEALLLGGLPQEGLAR	78	100			Mascot
1699.9377	1699.9181	-0.0196	-12	34	49 YEALLLGGLPQEGLAR					Mascot
1711.8948	1711.8756	-0.0192	-11	119	134 VFAPAGVSPTVMNLHR			Oxidation (M)[12]		Mascot
1796.8928	1796.9912	0.0984	55	72	86 LMDPLLYEYAGTWPK					Mascot
2233.2009	2233.0579	-0.143	-64	593	614 SLTRITAPDMAYVAGAAN VAIK					Mascot

7 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733733 149143.4 8.92 10 86 99.988 76 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1023.5105	1023.4974	-0.0131	-13	199	207 DVGLAYTER					Mascot
1045.5465	1045.5513	0.0048	5	1350	1357 DFLSWIHK					Mascot
1118.5986	1118.4963	-0.1023	-91	1321	1329 IPEITMSRR			Oxidation (M)[6]		Mascot
1193.6348	1193.6031	-0.0317	-27	1120	1129 TATIMEPFRK					Mascot
1193.6348	1193.6031	-0.0317	-27	1120	1129 TATIMEPFRK					Mascot
1383.6725	1383.6716	-0.0009	-1	1228	1239 VTAKFSWGAECK			Carbamidomethyl (C)[11]		Mascot

1427.7021	1427.7695	0.0674	47	1117	1128	MSKTATIMEPFR				Oxidation (M)[1]	Mascot
1695.8999	1695.88	-0.0199	-12	123	138	VFAPAGVSPTVMNLHR					Mascot
1699.9377	1699.9181	-0.0196	-12	38	53	YEALLLGGLPQEGLAR	78	100			Mascot
1699.9377	1699.9181	-0.0196	-12	38	53	YEALLLGGLPQEGLAR					Mascot
1711.8948	1711.8756	-0.0192	-11	123	138	VFAPAGVSPTVMNLHR				Oxidation (M)[12]	Mascot
1796.8928	1796.9912	0.0984	55	76	90	LMDPLLYEYAGTWPK					Mascot
2233.2009	2233.0579	-0.143	-64	597	618	SLTRITAPDMAYVAGAAN VAIK					Mascot

8 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94732723 147084.2 8.73 8 85 99.985 76 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1090.5925	1090.5172	-0.0753	-69	1300	1308	IPEITMSKR			Oxidation (M)[6]		Mascot
1109.4818	1109.4774	-0.0044	-4	1087	1097	SHSTSSSSSSSR					Mascot
1118.6238	1118.4963	-0.1275	-114	1194	1204	KICADGALLSK					Mascot
1193.6083	1193.6031	-0.0052	-4	828	837	LESMTLDQLK			Oxidation (M)[4]		Mascot
1193.6083	1193.6031	-0.0052	-4	828	837	LESMTLDQLK			Oxidation (M)[4]		Mascot
1263.5118	1263.681	0.1692	134	1098	1110	SSSSSSSSMSSSR					Mascot
1699.9047	1699.9181	0.0134	8	597	614	ITAPDMASVAGAANVAIK					Mascot
1699.9377	1699.9181	-0.0196	-12	34	49	YEALLLGGLPQEGLAR	78	100			Mascot
1796.9581	1796.9912	0.0331	18	342	356	LSTLDKFEAIWAQFK					Mascot

9 vitellogenin 7 [Danio rerio] gi|156713467 148739.2 8.76 8 85 99.985 76 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1090.5925	1090.5172	-0.0753	-69	1315	1323	IPEITMSKR			Oxidation (M)[6]		Mascot
1109.4818	1109.4774	-0.0044	-4	1087	1097	SHSTSSSSSSSR					Mascot
1118.6238	1118.4963	-0.1275	-114	1209	1219	KICADGALLSK					Mascot
1193.6083	1193.6031	-0.0052	-4	828	837	LESMTLDQLK			Oxidation (M)[4]		Mascot
1193.6083	1193.6031	-0.0052	-4	828	837	LESMTLDQLK			Oxidation (M)[4]		Mascot
1263.5118	1263.681	0.1692	134	1098	1110	SSSSSSSSMSSSR					Mascot
1699.9047	1699.9181	0.0134	8	597	614	ITAPDMASVAGAANVAIK					Mascot
1699.9377	1699.9181	-0.0196	-12	34	49	YEALLLGGLPQEGLAR	78	100			Mascot
1796.9581	1796.9912	0.0331	18	342	356	LSTLDKFEAIWAQFK					Mascot

10 vitellogenin 1 [Danio rerio] gi|94733730 149140.4 8.74 7 84 99.981 76 100

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type	
	1023.5105	1023.4974	-0.0131	-13	195	203 DVGLAYTER	78	100	Oxidation (M)[6]	Mascot	
	1090.5925	1090.5172	-0.0753	-69	1319	1327 IPEITMSKR				Mascot	
	1695.8999	1695.88	-0.0199	-12	119	134 VFAPAGVSPTVMNLHR				Mascot	
	1699.9047	1699.9181	0.0134	8	597	614 ITAPDMASVAGAANVAIK				Mascot	
	1699.9377	1699.9181	-0.0196	-12	34	49 YEALLLGGLPQEGLAR				Mascot	
	1711.8948	1711.8756	-0.0192	-11	119	134 VFAPAGVSPTVMNLHR				Mascot	
	1796.9078	1796.9912	0.0834	46	1279	1293 HILTAAYDTGFRFER				Mascot	
	1954.8745	1954.8542	-0.0203	-10	147	163 TQNIYEMQEAGAQQGVC				Mascot	
	1970.8695	1970.8472	-0.0223	-11	147	163 TQNIYEMQEAGAQQGVC				Mascot	
11	vitellogenin 1 [Danio rerio]				gij166795887		149452.5	8.68	6	78 99.924	78 100
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type	
	1090.5925	1090.5172	-0.0753	-69	1319	1327 IPEITMSKR	78	100	Oxidation (M)[6]	Mascot	
	1695.8999	1695.88	-0.0199	-12	119	134 VFAPAGVSPTVMNLHR				Mascot	
	1699.9377	1699.9181	-0.0196	-12	34	49 YEALLLGGLPQEGLAR				Mascot	
	1699.9377	1699.9181	-0.0196	-12	34	49 YEALLLGGLPQEGLAR				Mascot	
	1711.8948	1711.8756	-0.0192	-11	119	134 VFAPAGVSPTVMNLHR				Mascot	
	1796.9078	1796.9912	0.0834	46	1279	1293 HILTAAYDTGFRFER				Mascot	
	1954.8745	1954.8542	-0.0203	-10	147	163 TQNIYEMQEAGAQQGVC				Mascot	
	1970.8695	1970.8472	-0.0223	-11	147	163 TQNIYEMQEAGAQQGVC				Mascot	
	2233.2009	2233.0579	-0.143	-64	593	614 SLTRITAPDMAYVAGAANVAIK				Mascot	
12	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]				gij94733731		149169.2	8.84	5	76 99.888	76 100
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type	
	1023.5105	1023.4974	-0.0131	-13	199	207 DVGLAYTER	78	100	Oxidation (M)[6]	Mascot	
	1090.5925	1090.5172	-0.0753	-69	1321	1329 IPEITMSKR				Mascot	
	1699.9047	1699.9181	0.0134	8	601	618 ITAPDMASVAGAANVAIK				Mascot	
	1699.9377	1699.9181	-0.0196	-12	38	53 YEALLLGGLPQEGLAR				Mascot	
	1954.8745	1954.8542	-0.0203	-10	151	167 TQNIYEMQEAGAQQGVC				Mascot	
	1970.8695	1970.8472	-0.0223	-11	151	167 TQNIYEMQEAGAQQGVC				Mascot	

13 PREDICTED: dynein heavy chain 6, axonemal [Danio rerio] gi|326663948 454774.1 5.57 34 55 85.928

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
847.4243	847.4418	0.0175	21	303	309	VWCANVR					Mascot
993.4855	993.486	0.0005	1	1823	1831	DGLMALCVR			Oxidation (M)[4]		Mascot
995.4978	995.5035	0.0057	6	2477	2484	CFQIELSR					Mascot
1037.4656	1037.5153	0.0497	48	2468	2476	LAAHMCGYR			Oxidation (M)[5]		Mascot
1045.4221	1045.5513	0.1292	124	3724	3731	YEFNDSDR					Mascot
1090.6771	1090.5172	-0.1599	-147	289	297	IPVFALFRK					Mascot
1109.5078	1109.4774	-0.0304	-27	1867	1875	MLCLANSER			Carbamidomethyl (C)[3], Oxidation (M)[1]		Mascot
1119.5695	1119.4893	-0.0802	-72	2	10	YSFQKGHPR					Mascot
1234.6572	1234.6648	0.0076	6	2962	2972	TMALTEARLGR			Oxidation (M)[2]		Mascot
1234.6572	1234.6648	0.0076	6	2962	2972	TMALTEARLGR	6	0	Oxidation (M)[2]		Mascot
1265.667	1265.6366	-0.0304	-24	382	391	FRELMEVAR			Oxidation (M)[6]		Mascot
1277.6704	1277.696	0.0256	20	1867	1877	MLCLANSERIK					Mascot
1302.7814	1302.6985	-0.0829	-64	1657	1669	AVKSVLVMAGSLK					Mascot
1308.647	1308.6412	-0.0058	-4	2869	2879	YISNPDFVPEK					Mascot
1329.6256	1329.6488	0.0232	17	99	109	SGYMKPYNNQK					Mascot
1357.6707	1357.6993	0.0286	21	2743	2754	LAVDQENADQVR					Mascot
1390.693	1390.6646	-0.0284	-20	384	395	ELVMEVARNACR					Mascot
1434.7621	1434.7551	-0.007	-5	2957	2969	ETLAKTMALTEAR					Mascot
1434.7621	1434.7551	-0.007	-5	2957	2969	ETLAKTMALTEAR					Mascot
1460.7703	1460.78	0.0097	7	2973	2986	SGKLTALGDEQVR					Mascot
1493.8838	1493.7188	-0.165	-110	950	963	GLPPNNVVPFLKAK					Mascot
1493.8838	1493.7188	-0.165	-110	950	963	GLPPNNVVPFLKAK					Mascot
1499.7601	1499.76	-0.0001	0	2341	2352	VFHDLINNEDK					Mascot
1555.855	1555.7369	-0.1181	-76	2447	2462	QERGNALLVGVGGTGK					Mascot
1711.7059	1711.8756	0.1697	99	340	352	EMCYHISDMPLCR			Carbamidomethyl (C)[3,12]		Mascot
1716.7765	1716.8309	0.0544	32	2194	2206	QFQDFHGFYDREK					Mascot
1796.7587	1796.9912	0.2325	129	2889	2902	SMCMWVRAMDLYSR			Oxidation (M)[2,4,9]		Mascot
1970.9567	1970.8472	-0.1095	-56	363	378	EFQRAQYTQLEEVSSR					Mascot
1994.1334	1993.9531	-0.1803	-90	3492	3508	GHWNQQLGAFQKLILIK					Mascot
1994.1334	1993.9531	-0.1803	-90	3492	3508	GHWNQQLGAFQKLILIK					Mascot
1997.9507	1997.9514	0.0007	0	2468	2484	LAAHMCGYRCFQIELSR					Mascot

2233.1897	2233.0579	-0.1318	-59	455	474	LADYLIVNTTHMLVVNSV SK	Oxidation (M)[12]	Mascot
2261.137	2261.0452	-0.0918	-41	3879	3898	IPDKLDMDAAVESLFLQD PK	Oxidation (M)[7]	Mascot
2284.2546	2284.1499	-0.1047	-46	3138	3158	ETLDPALEPILLKQTFVSG GR		Mascot
2367.0842	2367.2385	0.1543	65	2346	2365	LINNEDKSYFNTMISEMA SK	Oxidation (M)[13,17]	Mascot
2367.0842	2367.2385	0.1543	65	2346	2365	LINNEDKSYFNTMISEMA SK	Oxidation (M)[13,17]	Mascot
2399.1133	2398.9922	-0.1211	-50	2600	2618	MFPSLVNCTIDWFVQW PR	Carbamidomethyl (C)[8]	Mascot
2888.4597	2888.3716	-0.0881	-31	590	615	ICGDGPSVEEILEEDAYL QNIILNIK		Mascot
3048.5144	3048.4673	-0.0471	-15	3602	3626	NGIWIFLQNCCHLAVSWML AMEELIK	Carbamidomethyl (C)[10], Oxidation (M)[17,20]	Mascot

14 Idh3a protein [Danio rerio] gi|157423273 16736.4 6.89 7 48 31.076

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1003.489	1003.5383	0.0493	49	108	116	HMGLHGHAK			Oxidation (M)[2]		Mascot
1109.5693	1109.4774	-0.0919	-83	7	17	STVSCIMGAIK					Mascot
1201.4976	1201.6021	0.1045	87	142	151	CSEFTADICR			Carbamidomethyl (C)[1]		Mascot
1300.5773	1300.5516	-0.0257	-20	142	152	CSEFTADICRR					Mascot
1316.707	1316.5343	-0.1727	-131	18	28	TQTPQPRVFSR					Mascot
1357.5988	1357.6993	0.1005	74	142	152	CSEFTADICRR			Carbamidomethyl (C)[1]		Mascot
1707.8669	1707.7516	-0.1153	-68	2	17	ANAWRSTVSCIMGAIK					Mascot
1838.9073	1838.8944	-0.0129	-7	1	17	MANAWRSTVSCIMGAIK					Mascot

15 Nin protein [Danio rerio] gi|134024887 72497.9 4.67 9 47 17.135 25 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4029	807.389	-0.0139	-17	424	430	ESMTALR					Mascot
993.4669	993.486	0.0191	19	613	620	AMVDEEKR			Oxidation (M)[2]		Mascot
1179.4397	1179.5885	0.1488	126	133	142	DEDAQESDDR					Mascot
1179.6256	1179.5885	-0.0371	-31	384	393	FDLDTAEKLK					Mascot
1234.6824	1234.6648	-0.0176	-14	278	289	ISCALSSTIALR					Mascot
1234.6824	1234.6648	-0.0176	-14	278	289	ISCALSSTIALR	25	0			Mascot
1365.7042	1365.6259	-0.0783	-57	424	435	ESMTALRTELSK					Mascot
1365.7042	1365.6259	-0.0783	-57	424	435	ESMTALRTELSK					Mascot
1390.6995	1390.6646	-0.0349	-25	180	191	GKALSLCDLEER			Carbamidomethyl (C)[7]		Mascot

	1555.6805	1555.7369	0.0564	36	535	546	SYEEQCRELQDR										Mascot
	1695.8846	1695.88	-0.0046	-3	363	376	AEIRHLLCVDLER										Mascot

16 Nin protein [Danio rerio] gi|158253705 85484.2 4.67 9 46 0 25 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
807.4029	807.389	-0.0139	-17	423	429	ESMTALR						Mascot
993.4669	993.486	0.0191	19	612	619	AMVDEEKR				Oxidation (M)[2]		Mascot
1179.4397	1179.5885	0.1488	126	132	141	DEDAQESDDR						Mascot
1179.6256	1179.5885	-0.0371	-31	383	392	FDLDTAEKLK						Mascot
1234.6824	1234.6648	-0.0176	-14	277	288	ISCALSSTIALR						Mascot
1234.6824	1234.6648	-0.0176	-14	277	288	ISCALSSTIALR	25		0			Mascot
1365.7042	1365.6259	-0.0783	-57	423	434	ESMTALRTELSK						Mascot
1365.7042	1365.6259	-0.0783	-57	423	434	ESMTALRTELSK						Mascot
1390.6995	1390.6646	-0.0349	-25	179	190	GKALSLCDLEER				Carbamidomethyl (C)[7]		Mascot
1555.6805	1555.7369	0.0564	36	534	545	SYEEQCRELQDR						Mascot
1695.8846	1695.88	-0.0046	-3	362	375	AEIRHLLCVDLER						Mascot

17 Nin protein [Danio rerio] gi|118763668 85245 4.63 9 46 0 25 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
807.4029	807.389	-0.0139	-17	423	429	ESMTALR						Mascot
993.4669	993.486	0.0191	19	612	619	AMVDEEKR				Oxidation (M)[2]		Mascot
1179.4397	1179.5885	0.1488	126	132	141	DEDAQESDDR						Mascot
1179.6256	1179.5885	-0.0371	-31	383	392	FDLDTAEKLK						Mascot
1234.6824	1234.6648	-0.0176	-14	277	288	ISCALSSTIALR						Mascot
1234.6824	1234.6648	-0.0176	-14	277	288	ISCALSSTIALR	25		0			Mascot
1365.7042	1365.6259	-0.0783	-57	423	434	ESMTALRTELSK						Mascot
1365.7042	1365.6259	-0.0783	-57	423	434	ESMTALRTELSK						Mascot
1390.6995	1390.6646	-0.0349	-25	179	190	GKALSLCDLEER				Carbamidomethyl (C)[7]		Mascot
1555.6805	1555.7369	0.0564	36	534	545	SYEEQCRELQDR						Mascot
1695.8846	1695.88	-0.0046	-3	362	375	AEIRHLLCVDLER						Mascot

18 pleckstrin homology domain-containing family G member 7 [Danio rerio] gi|113681918 49035.5 6.76 10 46 0

Peptide Information

		Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
		993.4709	993.486	0.0151	15	387	394 AWMSEIEK					Mascot
		1165.6034	1165.5714	-0.032	-27	1	10 MSLVDFLQGR					Mascot
		1165.6034	1165.5714	-0.032	-27	1	10 MSLVDFLQGR					Mascot
		1193.6313	1193.6031	-0.0282	-24	219	227 WLDNYQVK					Mascot
		1193.6313	1193.6031	-0.0282	-24	217	225 VKWLDNYQK					Mascot
		1263.5786	1263.681	0.1024	81	61	70 QCLQDIDSWR					Mascot
		1320.6001	1320.5679	-0.0322	-24	61	70 QCLQDIDSWR			Carbamidomethyl (C)[2]		Mascot
		1365.6289	1365.6259	-0.003	-2	115	126 AFSESICHCLQK					Mascot
		1365.6289	1365.6259	-0.003	-2	115	126 AFSESICHCLQK					Mascot
		1493.7239	1493.7188	-0.0051	-3	114	126 KAFSESICHCLQK					Mascot
		1493.7239	1493.7188	-0.0051	-3	114	126 KAFSESICHCLQK					Mascot
		1707.8986	1707.7516	-0.147	-86	387	401 AWMSEIEKAVSSLLK			Oxidation (M)[3]		Mascot
		1971.0586	1970.8472	-0.2114	-107	228	243 QLKETLVWLPVWESDK					Mascot
		2283.9646	2284.1499	0.1853	81	95	113 EMWTDPDSCSTQSLHDL FR			Oxidation (M)[2]		Mascot
19	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12 [Danio rerio]					gi 74315939	16958.4	9.39	7	45	0	

Peptide Information

		Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
		882.4501	882.5568	0.1067	121	2	9 AGYATLMR					Mascot
		1045.4805	1045.5513	0.0708	68	1	9 MAGYATLMR			Oxidation (M)[1,8]		Mascot
		1201.5817	1201.6021	0.0204	17	1	10 MAGYATLMRR			Oxidation (M)[1,8]		Mascot
		1234.6215	1234.6648	0.0433	35	11	22 FVGEFTGHGGVK					Mascot
		1234.6215	1234.6648	0.0433	35	11	22 FVGEFTGHGGVK					Mascot
		1357.6456	1357.6993	0.0537	40	62	72 WVIYTEMNGK			Oxidation (M)[8]		Mascot
		1390.7225	1390.6646	-0.0579	-42	10	22 RFVGEFTGHGGVK					Mascot
		1460.7955	1460.78	-0.0155	-11	31	44 VQETKTGALIGTDK					Mascot
20	contactin-1a precursor [Danio rerio]					gi 136256388	114246.1	6.19	15	45	0	

Peptide Information

		Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
		993.5839	993.486	-0.0979	-99	917	925 KSPPSRPPK					Mascot
		1045.5173	1045.5513	0.034	33	562	569 DAQHYQRK					Mascot

1090.4912	1090.5172	0.026	24	656	664	ESAAQQDWR												Mascot
1107.6885	1107.5273	-0.1612	-146	285	294	KLDGVLPLR												Mascot
1118.4572	1118.4963	0.0391	35	492	500	YTCFAENDR												Mascot
1308.575	1308.6412	0.0662	51	898	910	ACNGAGYGPASQR							Carbamidomethyl (C)[2]					Mascot
1365.6857	1365.6259	-0.0598	-44	503	516	ANSTGSL SITDATK												Mascot
1365.6857	1365.6259	-0.0598	-44	503	516	ANSTGSL SITDATK												Mascot
1434.7231	1434.7551	0.032	22	1	12	MIPEAFQPRAMK							Oxidation (M)[1]					Mascot
1434.7231	1434.7551	0.032	22	1	12	MIPEAFQPRAMK							Oxidation (M)[1]					Mascot
1707.7683	1707.7516	-0.0167	-10	138	151	VQFGYLD MFSTDER												Mascot
1796.9249	1796.9912	0.0663	37	717	735	EARPIVAPSDIGGGGGTS R												Mascot
2225.1772	2225.0991	-0.0781	-35	695	716	VIATNTLTGTPPSEPSK TTTR												Mascot
2283.092	2283.1577	0.0657	29	594	614	YSCTAQT PVDNTTASAEL VVR							Carbamidomethyl (C)[3]					Mascot
2284.2131	2284.1499	-0.0632	-28	442	460	VVFECRPRAAPRNITW SK							Carbamidomethyl (C)[5]					Mascot
3048.4414	3048.4673	0.0259	8	883	910	LDNMKPD SHYLVEVRAC NGAGYGPASQR												Mascot
3097.5371	3097.3794	-0.1577	-51	594	624	YSCTAQT PVDNTTASAEL VVRGPPGPPGGVR												Mascot
21	PREDICTED: ninein [Danio rerio]			gi 326673087		160970.7	4.92	14	43	0	23	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4029	807.389	-0.0139	-17	423	429	ESMTALR					Mascot
847.354	847.4418	0.0878	104	997	1003	ENQDDAR					Mascot
973.5312	973.5184	-0.0128	-13	796	803	LNSILEER					Mascot
993.4669	993.486	0.0191	19	612	619	AMVDEEKR			Oxidation (M)[2]		Mascot
1179.4397	1179.5885	0.1488	126	132	141	DEDAQESDDR					Mascot
1179.6256	1179.5885	-0.0371	-31	383	392	FOLDTAEKLK					Mascot
1201.6536	1201.6021	-0.0515	-43	1116	1125	ITQQERDALK					Mascot
1234.6824	1234.6648	-0.0176	-14	277	288	ISCALSSTIALR					Mascot
1234.6824	1234.6648	-0.0176	-14	277	288	ISCALSSTIALR	25	0			Mascot
1365.6315	1365.6259	-0.0056	-4	766	776	TEQECTELEKR					Mascot
1365.7042	1365.6259	-0.0783	-57	423	434	ESMTALRTELK					Mascot
1390.6995	1390.6646	-0.0349	-25	179	190	GKALSCLDLEER			Carbamidomethyl (C)[7]		Mascot
1555.6805	1555.7369	0.0564	36	534	545	SYEEQCRELQDR					Mascot
1695.8846	1695.88	-0.0046	-3	362	375	AEIRHLLCVDLER					Mascot
2284.1616	2284.1499	-0.0117	-5	849	867	ASMENKHHALLQLHLE ER					Mascot

22 PREDICTED: actin-binding LIM protein 3-like [Danio rerio] gi|326673723 79710 8.72 15 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.473	842.4988	0.0258	31	656	662	LPKDVDR					Mascot
847.438	847.4418	0.0038	4	284	290	QASRTER					Mascot
995.4727	995.5035	0.0308	31	1	9	MAVNQFGGR			Oxidation (M)[1]		Mascot
1003.4778	1003.5383	0.0605	60	37	45	SSGPIHCFR					Mascot
1023.5833	1023.4974	-0.0859	-84	157	165	LVNPNEPIK					Mascot
1037.537	1037.5153	-0.0217	-21	544	551	MILKEEMK			Oxidation (M)[1]		Mascot
1119.5153	1119.4893	-0.026	-23	191	198	QWHVSCFR			Carbamidomethyl (C)[6]		Mascot
1201.7085	1201.6021	-0.1064	-89	537	547	IQGGIGRMILK			Oxidation (M)[8]		Mascot
1302.5565	1302.6985	0.142	109	231	241	CETCDRYISGR					Mascot
1308.6642	1308.6412	-0.023	-18	476	487	SKTSEDIVQSSK					Mascot
1695.8384	1695.88	0.0416	25	242	256	VLEAGGKHYHPTCAR			Carbamidomethyl (C)[13]		Mascot
1711.8394	1711.8756	0.0362	21	315	328	VICAKMDNEILDYK			Carbamidomethyl (C)[3]		Mascot
2261.1443	2261.0452	-0.0991	-44	297	319	TSEASISPPGSSISSPSRV ICAK					Mascot
2284.0305	2284.1499	0.1194	52	570	590	SGSREMLHSMGHNNTVN GSPR			Oxidation (M)[6]		Mascot
2399.1475	2398.9922	-0.1553	-65	429	450	SSPYYSQLDARSSTPTTN QAPK					Mascot

23 ATPase, Ca++ transporting, plasma membrane 3a [Danio rerio] gi|49903091 79409.9 5.25 13 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4501	882.5568	0.1067	121	609	615	CSFILSR			Carbamidomethyl (C)[1]		Mascot
973.604	973.5184	-0.0856	-88	358	366	SVLQGKLTk					Mascot
1003.5465	1003.5383	-0.0082	-8	694	702	CQRAGITVR					Mascot
1090.6078	1090.5172	-0.0906	-83	714	723	APLSVFCVRV					Mascot
1165.6074	1165.5714	-0.036	-31	84	93	VFGMNFIPPK			Oxidation (M)[4]		Mascot
1165.6074	1165.5714	-0.036	-31	84	93	VFGMNFIPPK			Oxidation (M)[4]		Mascot
1265.6484	1265.6366	-0.0118	-9	497	507	DIPTPDQINPR					Mascot
1277.7074	1277.696	-0.0114	-9	83	93	KVFGMNFIPPK					Mascot
1555.7244	1555.7369	0.0125	8	582	595	SMSTVIQMPDGSFR					Mascot
1699.8142	1699.9181	0.1039	61	581	595	KSMSTVIQMPDGSFR			Oxidation (M)[3]		Mascot

1699.8142	1699.9181	0.1039	61	581	595	KSMSTVIQMPDGSFR	Oxidation (M)[3]	Mascot
1971.0942	1970.8472	-0.247	-125	538	555	QVGNKTECALLGLVLDLK	Carbamidomethyl (C)[8]	Mascot
1993.8412	1993.9531	0.1119	56	457	474	HLDACETMGNATAICSDK	Carbamidomethyl (C)[5,15]	Mascot
1993.8412	1993.9531	0.1119	56	457	474	HLDACETMGNATAICSDK	Carbamidomethyl (C)[5,15]	Mascot
2211.2053	2211.0833	-0.122	-55	200	220	NSTVIQIPVAEMVVGDI QVK		Mascot
3097.5796	3097.3794	-0.2002	-65	274	302	MLVTAVGVNSQTGIIFTLL GAGEMEEEEK	Oxidation (M)[1,24]	Mascot

24 ras-related protein Rab-14 [Danio rerio] gi|41393147 23859.9 5.84 7 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
973.4949	973.5184	0.0235	24	202	210	LSSDAQPQK						Mascot
1165.6285	1165.5714	-0.0571	-49	14	24	YIIIGDMGVGK						Mascot
1165.6285	1165.5714	-0.0571	-49	14	24	YIIIGDMGVGK						Mascot
1316.6593	1316.5343	-0.125	-95	62	72	LQIWDTAGQER						Mascot
1390.7147	1390.6646	-0.0501	-36	25	35	SCLLHQFTEKK				Carbamidomethyl (C)[2]		Mascot
1493.7118	1493.7188	0.007	5	157	170	TGENVEDAFLEAAK						Mascot
1493.7893	1493.7188	-0.0705	-47	83	96	GAAGALMVYDITRR	4		0			Mascot
1796.8094	1796.9912	0.1818	101	36	51	FMADCPHTIGVEFGTR				Oxidation (M)[2]		Mascot

25 PREDICTED: abhydrolase domain-containing protein 10, mitochondrial-like isoform 2 [Danio rerio] gi|125817662 31619.2 6.06 6 40 0 15 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
995.4713	995.5035	0.0322	32	260	267	MSEKEDIK				Oxidation (M)[1]		Mascot
1037.5851	1037.5153	-0.0698	-67	21	29	HQLQLSGVR						Mascot
1109.5269	1109.4774	-0.0495	-45	255	263	HGQHRMSEK						Mascot
1165.5524	1165.5714	0.019	16	175	183	EIEEQGFWK						Mascot
1165.5524	1165.5714	0.019	16	175	183	EIEEQGFWK						Mascot
1193.6862	1193.6031	-0.0831	-70	20	29	RHQLQLSGVR						Mascot
1193.6862	1193.6031	-0.0831	-70	20	29	RHQLQLSGVR	15		0			Mascot
1302.7389	1302.6985	-0.0404	-31	21	31	HQLQLSGVRHK						Mascot

26 transgelin 3a [Danio rerio] gi|156739273 24423.1 6.92 8 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
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[illegible]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1037.5084	1037.5153	0.0069	7	478	486	NFCDIQVAK					Mascot
1045.6074	1045.5513	-0.0561	-54	2	11	VLLAAAVCTK			Carbamidomethyl (C)[8]		Mascot
1119.6265	1119.4893	-0.1372	-123	1	11	MVLLAAAVCTK					Mascot
1193.6095	1193.6031	-0.0064	-5	477	486	RNFCDIQVAK					Mascot
1193.6095	1193.6031	-0.0064	-5	477	486	RNFCDIQVAK					Mascot
1234.646	1234.6648	0.0188	15	277	287	VEEKISLTCGR					Mascot
1234.7041	1234.6648	-0.0393	-32	336	346	LFTNESLIGLK	3	0			Mascot
1320.639	1320.5679	-0.0711	-54	243	255	SEGENIVTTSAGR					Mascot
1555.8367	1555.7369	-0.0998	-64	437	449	NILEWSLPVIDEK					Mascot
2211.1113	2211.0833	-0.028	-13	478	497	NFCDIQVAKVTYVEGGSP VK			Carbamidomethyl (C)[3]		Mascot
2261.1516	2261.0452	-0.1064	-47	288	308	DGGLQNMEVLGMITLKV ADEK					Mascot

28 novel protein similar to vertebrate actin binding LIM
protein family, member 3 (ABLM3, zgc:158673)

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.473	842.4988	0.0258	31	633	639	LPKDVDR					Mascot

	847.438	847.4418	0.0038	4	261	267	QASRTER										Mascot
	1003.4778	1003.5383	0.0605	60	14	22	SSGPIHCFR										Mascot
	1023.5833	1023.4974	-0.0859	-84	134	142	LVNPNEPIK										Mascot
	1037.537	1037.5153	-0.0217	-21	521	528	MILKEEMK					Oxidation (M)[1]					Mascot
	1119.5153	1119.4893	-0.026	-23	168	175	QWHVSCFR					Carbamidomethyl (C)[6]					Mascot
	1201.7085	1201.6021	-0.1064	-89	514	524	IQGGIGRMILK					Oxidation (M)[8]					Mascot
	1302.5565	1302.6985	0.142	109	208	218	CETCDRYISGR										Mascot
	1308.6642	1308.6412	-0.023	-18	453	464	SKTSEDIVQSSK										Mascot
	1695.8384	1695.88	0.0416	25	219	233	VLEAGGKHYHPTCAR					Carbamidomethyl (C)[13]					Mascot
	1711.8394	1711.8756	0.0362	21	292	305	VICAKMDNEILDYK					Carbamidomethyl (C)[3]					Mascot
	2261.1443	2261.0452	-0.0991	-44	274	296	TSEASISPPGSSISSPSRV ICAK										Mascot
	2284.0305	2284.1499	0.1194	52	547	567	SGSREMLHSMGHNNTVN GSPR					Oxidation (M)[6]					Mascot
	2399.1475	2398.9922	-0.1553	-65	406	427	SSPYYSQLDARSSTPTTN QAPK										Mascot

29 actin-binding LIM protein 3 [Danio rerio] gi|123705188 77658.1 8.74 14 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.473	842.4988	0.0258	31	636	642	LPKDVDR					Mascot
847.438	847.4418	0.0038	4	264	270	QASRTER					Mascot
1003.4778	1003.5383	0.0605	60	17	25	SSGPIHCFR					Mascot
1023.5833	1023.4974	-0.0859	-84	137	145	LVNPNEPIK					Mascot
1037.537	1037.5153	-0.0217	-21	524	531	MILKEEMK			Oxidation (M)[1]		Mascot
1119.5153	1119.4893	-0.026	-23	171	178	QWHVSCFR			Carbamidomethyl (C)[6]		Mascot
1201.7085	1201.6021	-0.1064	-89	517	527	IQGGIGRMILK			Oxidation (M)[8]		Mascot
1302.5565	1302.6985	0.142	109	211	221	CETCDRYISGR					Mascot
1308.6642	1308.6412	-0.023	-18	456	467	SKTSEDIVQSSK					Mascot
1695.8384	1695.88	0.0416	25	222	236	VLEAGGKHYHPTCAR			Carbamidomethyl (C)[13]		Mascot
1711.8394	1711.8756	0.0362	21	295	308	VICAKMDNEILDYK			Carbamidomethyl (C)[3]		Mascot
2261.1443	2261.0452	-0.0991	-44	277	299	TSEASISPPGSSISSPSRV ICAK					Mascot
2284.0305	2284.1499	0.1194	52	550	570	SGSREMLHSMGHNNTVN GSPR			Oxidation (M)[6]		Mascot
2399.1475	2398.9922	-0.1553	-65	409	430	SSPYYSQLDARSSTPTTN QAPK					Mascot

30 Isocitrate dehydrogenase 3 (NAD+) alpha [Danio rerio] gi|29124437 39960.3 7.04 10 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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		Seq.				Seq.				Score							
		842.473	842.4988	0.0258	31	192	199	TSVTAVHK								Mascot	
		1003.489	1003.5383	0.0493	49	316	324	HMGLHGHAK					Oxidation (M)[2]			Mascot	
		1109.5693	1109.4774	-0.0919	-83	7	17	STVSCIMGAIK								Mascot	
		1201.4976	1201.6021	0.1045	87	350	359	CSEFTADICR					Carbamidomethyl (C)[1]			Mascot	
		1300.5773	1300.5516	-0.0257	-20	350	360	CSEFTADICRR								Mascot	
		1316.707	1316.5343	-0.1727	-131	18	28	TQTPQPRVFSR								Mascot	
		1357.5988	1357.6993	0.1005	74	350	360	CSEFTADICRR					Carbamidomethyl (C)[1]			Mascot	
		1427.7787	1427.7695	-0.0092	-6	192	204	TSVTAVHKANIMR								Mascot	
		1555.772	1555.7369	-0.0351	-23	200	212	ANIMRMSDGLFLR					Oxidation (M)[4,6]			Mascot	
		1707.8669	1707.7516	-0.1153	-68	2	17	ANAWRSTVSCIMGAIK								Mascot	
		1838.9073	1838.8944	-0.0129	-7	1	17	MANAWRSTVSCIMGAIK								Mascot	
31	novel protein [Danio rerio]					gij157886402		88196.6	8.5	13	39	0					
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank	Result	Type	
		993.4709	993.486	0.0151	15	735	742	AWMSEIEK								Mascot	
		1165.5518	1165.5714	0.0196	17	221	231	SQTLDNQSICK								Mascot	
		1165.5518	1165.5714	0.0196	17	221	231	SQTLDNQSICK								Mascot	
		1193.6313	1193.6031	-0.0282	-24	567	575	WLDNYQKVK								Mascot	
		1193.6313	1193.6031	-0.0282	-24	565	573	VKWLDNYQK								Mascot	
		1263.5786	1263.681	0.1024	81	409	418	QCLQDIDSWR								Mascot	
		1265.5492	1265.6366	0.0874	69	246	256	ESTTDDNEQVK								Mascot	
		1320.6001	1320.5679	-0.0322	-24	409	418	QCLQDIDSWR					Carbamidomethyl (C)[2]			Mascot	
		1365.6289	1365.6259	-0.003	-2	463	474	AFSESICHCLQK								Mascot	
		1365.6289	1365.6259	-0.003	-2	463	474	AFSESICHCLQK								Mascot	
		1475.7576	1475.7424	-0.0152	-10	108	119	MPLPLHTPNFHR					Oxidation (M)[1]			Mascot	
		1493.7239	1493.7188	-0.0051	-3	462	474	KAFSESICHCLQK								Mascot	
		1493.7239	1493.7188	-0.0051	-3	462	474	KAFSESICHCLQK								Mascot	
		1707.8986	1707.7516	-0.147	-86	735	749	AWMSEIEKAVSSLLK					Oxidation (M)[3]			Mascot	
		1971.0586	1970.8472	-0.2114	-107	576	591	QLKETLVWLPVWESDK								Mascot	
		2283.9646	2284.1499	0.1853	81	443	461	EMWTDPDSCSTQSLHDLFR					Oxidation (M)[2]			Mascot	
		2888.4709	2888.3716	-0.0993	-34	269	297	SSVVVSLPGLDVSPGDLFVSNGAADMLNK								Mascot	
32	PREDICTED: guanine nucleotide-binding protein subunit alpha-15-like [Danio rerio]					gij326678594		43174.9	8.7	2	39	0	33	85.458			

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1234.6902	1234.6648	-0.0254	-21	128	137	LQRSYVEAIR				Mascot
1234.6902	1234.6648	-0.0254	-21	128	137	LQRSYVEAIR	33	85.458		Mascot
2367.0459	2367.2385	0.1926	81	2	20	GHYYTGPCIVWFLSEEEK				Mascot
2367.0459	2367.2385	0.1926	81	2	20	GHYYTGPCIVWFLSEEEK				Mascot
33	talin-1 [Danio rerio]			gi 57222259		270469.6	5.86	19	39	0 16 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
807.4359	807.389	-0.0469	-58	1520	1526	QFVQSAK				Mascot
973.4883	973.5184	0.0301	31	1195	1203	SVNCLPGQR				Mascot
1003.5054	1003.5383	0.0329	33	2506	2513	EKELEEAR				Mascot
1023.4411	1023.4974	0.0563	55	2441	2449	ADQDSQTMK				Mascot
1107.5906	1107.5273	-0.0633	-57	2262	2270	QQLANYSKR				Mascot
1109.5442	1109.4774	-0.0668	-60	2206	2215	AVADMLRCK			Oxidation (M)[5]	Mascot
1165.6576	1165.5714	-0.0862	-74	1615	1625	SLAVNPKDPPK				Mascot
1165.6576	1165.5714	-0.0862	-74	1615	1625	SLAVNPKDPPK				Mascot
1179.5422	1179.5885	0.0463	39	2441	2450	ADQDSQTMKR				Mascot
1179.5422	1179.5885	0.0463	39	2441	2450	ADQDSQTMKR	16	0		Mascot
1234.5811	1234.6648	0.0837	68	1541	1551	ALDGAFNQENR				Mascot
1234.5811	1234.6648	0.0837	68	1541	1551	ALDGAFNQENR				Mascot
1316.6804	1316.5343	-0.1461	-111	2193	2204	QEDVIATANLSR				Mascot
1320.7271	1320.5679	-0.1592	-121	424	434	KSTVLQQQFNK				Mascot
1384.6633	1384.6514	-0.0119	-9	107	118	IVSDMLMTICAR			Oxidation (M)[5,7]	Mascot
1475.7886	1475.7424	-0.0462	-31	859	872	LLADATARMVEAAK			Oxidation (M)[9]	Mascot
1493.7628	1493.7188	-0.044	-29	1601	1614	AMLESSTGLIQTAR			Oxidation (M)[2]	Mascot
1493.7628	1493.7188	-0.044	-29	1601	1614	AMLESSTGLIQTAR			Oxidation (M)[2]	Mascot
1555.8036	1555.7369	-0.0667	-43	1763	1776	TLAESALQMLYTAK			Oxidation (M)[9]	Mascot
2211.1865	2211.0833	-0.1032	-47	2059	2080	LGAASLGSEDPETQVVLI NAVK				Mascot
2225.1846	2225.0991	-0.0855	-38	718	738	VVAPTISSPVCQEQLIEA GK			Carbamidomethyl (C)[12]	Mascot
2233.0952	2233.0579	-0.0373	-17	1337	1357	AVTDSINQLISMCTQQAP GQK				Mascot
2399.2598	2398.9922	-0.2676	-112	586	609	GVKLLAALMEDEGGNGQ QLLGAAK			Oxidation (M)[9]	Mascot

34 Rab14 protein [Danio rerio] gi|157423419 17352.6 5.41 6 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
973.4949	973.5184	0.0235	24	144	152	LSSDAQPQK					Mascot
1165.6285	1165.5714	-0.0571	-49	14	24	YIIIGDMGVGK					Mascot
1165.6285	1165.5714	-0.0571	-49	14	24	YIIIGDMGVGK					Mascot
1316.6593	1316.5343	-0.125	-95	62	72	LQIWDTAGQER					Mascot
1390.7147	1390.6646	-0.0501	-36	25	35	SCLLHQFTEKK			Carbamidomethyl (C)[2]		Mascot
1493.7118	1493.7188	0.007	5	99	112	TGENVEDAFLEAAK					Mascot
1493.7118	1493.7188	0.007	5	99	112	TGENVEDAFLEAAK					Mascot
1796.8094	1796.9912	0.1818	101	36	51	FMADCPHTIGVEFGTR			Oxidation (M)[2]		Mascot

35 Zgc:161981 protein [Danio rerio] gi|117168022 47547.7 7.19 9 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
993.4709	993.486	0.0151	15	374	381	AWMSEIEK					Mascot
1193.6313	1193.6031	-0.0282	-24	206	214	WLDNYQKVK					Mascot
1193.6313	1193.6031	-0.0282	-24	204	212	VKWLDNYQK					Mascot
1263.5786	1263.681	0.1024	81	48	57	QCLQDIDSWR					Mascot
1320.6001	1320.5679	-0.0322	-24	48	57	QCLQDIDSWR			Carbamidomethyl (C)[2]		Mascot
1365.6289	1365.6259	-0.003	-2	102	113	AFSESICHCLQK					Mascot
1365.6289	1365.6259	-0.003	-2	102	113	AFSESICHCLQK					Mascot
1493.7239	1493.7188	-0.0051	-3	101	113	KAFSESICHCLQK					Mascot
1493.7239	1493.7188	-0.0051	-3	101	113	KAFSESICHCLQK					Mascot
1707.8986	1707.7516	-0.147	-86	374	388	AWMSEIEKAVSSLLK			Oxidation (M)[3]		Mascot
1971.0586	1970.8472	-0.2114	-107	215	230	QLKETLVWLPPWESDK					Mascot
2283.9646	2284.1499	0.1853	81	82	100	EMWTDPDSCSTQSLHDLFR			Oxidation (M)[2]		Mascot

36 PREDICTED: UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2 [Danio rerio] gi|125843963 48322.6 8.69 9 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
847.4091	847.4418	0.0327	39	402	408	SPQQTMR					Mascot

1003.5101	1003.5383	0.0282	28	401	408	RSPQQTMR							Mascot
1107.4371	1107.5273	0.0902	81	158	166	CALDNEDDR					Carbamidomethyl (C)[1]		Mascot
1165.5847	1165.5714	-0.0133	-11	193	202	EGEYDGLKVR							Mascot
1165.5847	1165.5714	-0.0133	-11	193	202	EGEYDGLKVR							Mascot
1179.5753	1179.5885	0.0132	11	378	386	TFDIREQDR							Mascot
1179.5753	1179.5885	0.0132	11	378	386	TFDIREQDR							Mascot
1263.6229	1263.681	0.0581	46	373	382	HDGFRTFDIR							Mascot
1302.6736	1302.6985	0.0249	19	402	411	SPQQTMLWR							Mascot
1460.6976	1460.78	0.0824	56	98	110	QLDSADNTTDPK							Mascot
1493.7094	1493.7188	0.0094	6	112	123	FHCSPESFELLK					Carbamidomethyl (C)[3]		Mascot
1493.7094	1493.7188	0.0094	6	112	123	FHCSPESFELLK					Carbamidomethyl (C)[3]		Mascot

37 PREDICTED: microtubule-associated protein 6-like [Danio rerio] gi|292621423 42669 9.6 11 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3552	807.389	0.0338	42	179	184	CEIEEK			Carbamidomethyl (C)[1]		Mascot
973.5173	973.5184	0.0011	1	220	228	RSAADALNR					Mascot
993.4644	993.486	0.0216	22	1	8	MAWPCITR			Oxidation (M)[1]		Mascot
1037.6102	1037.5153	-0.0949	-91	317	325	HNLSLTKPK					Mascot
1165.7052	1165.5714	-0.1338	-115	317	326	HNLSLTKPKK					Mascot
1165.7052	1165.5714	-0.1338	-115	317	326	HNLSLTKPKK					Mascot
1179.6368	1179.5885	-0.0483	-41	300	309	IRSLYSEPSK					Mascot
1179.6368	1179.5885	-0.0483	-41	300	309	IRSLYSEPSK					Mascot
1234.5984	1234.6648	0.0664	54	201	211	EPVSEASKMEK					Mascot
1234.5984	1234.6648	0.0664	54	201	211	EPVSEASKMEK					Mascot
1316.644	1316.5343	-0.1097	-83	282	293	GEQAKPQTDDNK					Mascot
1329.6104	1329.6488	0.0384	29	179	188	CEIEEKQHEK			Carbamidomethyl (C)[1]		Mascot
1427.8733	1427.7695	-0.1038	-73	246	257	AYRDIKPVKPIK					Mascot
2261.0061	2261.0452	0.0391	17	165	184	HEQAAAEMETGVEKCEI EEK					Mascot

38 novel protein similar to vertebrate angiopoietin-like protein family [Danio rerio] gi|55962487 26786.6 5.97 7 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
993.5219	993.486	-0.0359	-36	216	223	VSMMIRPK			Oxidation (M)[3,4]		Mascot

39	hypothetical protein LOC790927 [Danio rerio]	gi 121583715	57741.7	6.08	12	38	0
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
847.4705	847.4418	-0.0287	-34	497	504	ATKSKPLC					Mascot
973.5061	973.5184	0.0123	13	414	421	DKQDLQAR					Mascot
1045.5524	1045.5513	-0.0011	-1	212	219	IEEEIERK					Mascot
1118.5212	1118.4963	-0.0249	-22	46	55	DDVDGEIDLK					Mascot
1119.5099	1119.4893	-0.0206	-18	295	303	AVMEEQEQR					Mascot
1201.5959	1201.6021	0.0062	5	460	468	ENELQYLHR					Mascot
1265.5613	1265.6366	0.0753	59	282	291	CSDVLQQMER			Carbamidomethyl (C)[1]		Mascot
1302.618	1302.6985	0.0805	62	485	496	SSVCVCVSSYL R					Mascot
1383.7339	1383.6716	-0.0623	-45	349	360	QTRALDSHTLNK					Mascot
1493.7385	1493.7188	-0.0197	-13	448	459	SCCEMQVLLRVR			Carbamidomethyl (C)[2]		Mascot
1493.7385	1493.7188	-0.0197	-13	448	459	SCCEMQVLLRVR			Carbamidomethyl (C)[2]		Mascot
1716.8407	1716.8309	-0.0098	-6	485	499	SSVCVCVSSYL R ATK			Carbamidomethyl (C)[4,6]		Mascot
2211.0017	2211.0833	0.0816	37	395	412	DDSDTQIRLMDTQMEQL R			Oxidation (M)[10]		Mascot

40	Zgc:162848 protein [Danio rerio]	gi 141795670	51350.1	5.88	10	38	0
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
1045.5411	1045.5513	0.0102	10	174	182	DAVEEELLK				Mascot
1201.6536	1201.6021	-0.0515	-43	197	206	TLDQTINQIR				Mascot
1263.5933	1263.681	0.0877	69	365	374	TLRPNMEQCR		Oxidation (M)[6]		Mascot
1300.5698	1300.5516	-0.0182	-14	76	86	NQAENICHESR				Mascot
1320.6147	1320.5679	-0.0468	-35	365	374	TLRPNMEQCR		Carbamidomethyl (C)[9], Oxidation (M)[6]		Mascot
1329.7485	1329.6488	-0.0997	-75	196	206	KTLDTINQIR				Mascot

	1357.5913	1357.6993	0.108	80	76	86	NQAENICHESR		Carbamidomethyl (C)[7]	Mascot	
	1390.7074	1390.6646	-0.0428	-31	339	350	NISHLQEAVHDK			Mascot	
	1475.7812	1475.7424	-0.0388	-26	128	140	LSAETDLQISSRR			Mascot	
	1555.7356	1555.7369	0.0013	1	307	319	AFTQRCVEMSQAK		Carbamidomethyl (C)[6]	Mascot	
	1954.8929	1954.8542	-0.0387	-20	55	70	YTPDEWFDNNSALLNR			Mascot	
	2283.0823	2283.1577	0.0754	33	245	263	HPSSAVLQDQVCDEEVW RK		Carbamidomethyl (C)[12]	Mascot	
41	PREDICTED: zinc finger protein 729 [Danio rerio]				gi 326678104		141499.3	9.06	25	38	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4501	882.5568	0.1067	121	126	132	CDKTFLR					Mascot
1003.6159	1003.5383	-0.0776	-77	138	145	IHLRVHTK					Mascot
1023.5469	1023.4974	-0.0495	-48	1133	1141	SFSQLSNLK					Mascot
1037.5132	1037.5153	0.0021	2	22	29	HCLQLHMR					Mascot
1045.4731	1045.5513	0.0782	75	288	296	QHTSANEMK					Mascot
1107.5695	1107.5273	-0.0422	-38	622	630	SFRQSAHFK					Mascot
1109.41	1109.4774	0.0674	61	900	908	EFMCFACDK			Oxidation (M)[3]		Mascot
1118.4791	1118.4963	0.0172	15	584	593	KCFTCTQCGK					Mascot
1119.4631	1119.4893	0.0262	23	7	16	KCFTCTECGK					Mascot
1165.4764	1165.5714	0.095	82	491	499	CSYCDKSFR			Carbamidomethyl (C)[1]		Mascot
1165.4764	1165.5714	0.095	82	491	499	CSYCDKSFR			Carbamidomethyl (C)[1]		Mascot
1277.642	1277.696	0.054	42	360	369	SKQSLQFHMR			Oxidation (M)[9]		Mascot
1300.6024	1300.5516	-0.0508	-39	788	799	SVTCDVCGKNFK					Mascot
1308.5533	1308.6412	0.0879	67	987	996	CSFCIMTFSR			Carbamidomethyl (C)[1,4]		Mascot
1316.5796	1316.5343	-0.0453	-34	847	856	CDQCSKMFII			Carbamidomethyl (C)[1,4]		Mascot
1357.6239	1357.6993	0.0754	56	788	799	SVTCDVCGKNFK			Carbamidomethyl (C)[4]		Mascot
1383.5715	1383.6716	0.1001	72	931	940	CSHCERFTR			Carbamidomethyl (C)[1,4]		Mascot
1695.7828	1695.88	0.0972	57	142	156	VHTKEKPYSCECGK					Mascot
1711.76	1711.8756	0.1156	68	426	440	VHTKEKPYSCECGK					Mascot
1716.7832	1716.8309	0.0477	28	1118	1132	THTGEKPFTCDHCLK					Mascot
1796.8127	1796.9912	0.1785	99	170	184	IHTGVKEYVCCQCEK			Carbamidomethyl (C)[10]		Mascot
1998.0841	1997.9514	-0.1327	-66	328	344	AEKIPHLLTEGVFLMQR			Oxidation (M)[15]		Mascot
2282.999	2283.1577	0.1587	70	1058	1076	THEMSHTGEKPFKCAFC EK			Carbamidomethyl (C)[14], Oxidation (M)[4]		Mascot
2284.0168	2284.1499	0.1331	58	716	733	HQMIHTGEKPYRCSHCD K			Carbamidomethyl (C)[13,16]		Mascot
2367.1543	2367.2385	0.0842	36	775	796	THTGLSHTLVKSVTCD VCGK			Carbamidomethyl (C)[17]		Mascot

	2367.1543	2367.2385	0.0842	36	775	796	THTGLSHTLHVSKSVTCD VCGK					Carbamidomethyl (C)[17]	Mascot
	2872.311	2872.3652	0.0542	19	22	44	HCLQLHMRHTGEKPYTC TECGK					Carbamidomethyl (C)[2,18,21], Oxidation (M)[7]	Mascot
	2888.3276	2888.3716	0.044	15	1086	1110	AHMRHIGDKPYSCSYCE STFSLSR						Mascot
42	novel protein similar to vertebrate actin binding LIM protein family, member 3 (ABLIM3, zgc:158673)					gi 220679095	77672.1	8.74	14	38	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.473	842.4988	0.0258	31	636	642	LPKDVDR					Mascot
847.438	847.4418	0.0038	4	264	270	QASRTER					Mascot
1003.4778	1003.5383	0.0605	60	17	25	SSGPIHCFR					Mascot
1023.5833	1023.4974	-0.0859	-84	137	145	LVNPNEPIK					Mascot
1037.537	1037.5153	-0.0217	-21	524	531	MILKEEMK			Oxidation (M)[1]		Mascot
1119.5153	1119.4893	-0.026	-23	171	178	QWHVSCFR			Carbamidomethyl (C)[6]		Mascot
1201.7085	1201.6021	-0.1064	-89	517	527	IQGGIGRMILK			Oxidation (M)[8]		Mascot
1300.6168	1300.5516	-0.0652	-50	409	419	TSPYYSQLDAR					Mascot
1302.5565	1302.6985	0.142	109	211	221	CETCDRYISGR					Mascot
1308.6642	1308.6412	-0.023	-18	456	467	SKTSEDIVQSSK					Mascot
1695.8384	1695.88	0.0416	25	222	236	VLEAGGKHYHPTCAR			Carbamidomethyl (C)[13]		Mascot
1711.8394	1711.8756	0.0362	21	295	308	VICAKMDNEILDYK			Carbamidomethyl (C)[3]		Mascot
2261.1443	2261.0452	-0.0991	-44	277	299	TSEASISPPGSSISSPSRV ICAK					Mascot
2284.0305	2284.1499	0.1194	52	550	570	SGSREMLHSMGHNNVTN GSPR			Oxidation (M)[6]		Mascot

43 PREDICTED: rabphilin-3A [Danio rerio] gi|292616540 65174.9 8.63 13 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4195	842.4988	0.0793	94	126	132	SGAWFFK					Mascot
1023.4233	1023.4974	0.0741	72	41	48	MEAMEQER					Mascot
1118.5986	1118.4963	-0.1023	-91	52	60	LVNRLDNMK			Oxidation (M)[8]		Mascot
1193.6095	1193.6031	-0.0064	-5	405	413	KNFNICLER			Carbamidomethyl (C)[6]		Mascot
1193.6095	1193.6031	-0.0064	-5	405	413	KNFNICLER			Carbamidomethyl (C)[6]		Mascot
1277.6306	1277.696	0.0654	51	115	124	ICSEQREVWK					Mascot
1365.625	1365.6259	0.0009	1	41	51	MEAMEQERIGR			Oxidation (M)[1]		Mascot
1365.625	1365.6259	0.0009	1	41	51	MEAMEQERIGR			Oxidation (M)[1]		Mascot

	1383.5879	1383.6716	0.0837	60	38	48	AEKMEAMEQER					Oxidation (M)[4,7]	Mascot
	1555.7244	1555.7369	0.0125	8	542	556	CNDYIGGCQLGITAK						Mascot
	1707.9574	1707.7516	-0.2058	-120	447	461	GRILISLMYSTQLGR						Mascot
	1838.8418	1838.8944	0.0526	29	94	108	NMCTKCGVQTNTRPR					Carbamidomethyl (C)[3,6], Oxidation (M)[2]	Mascot
	1954.9109	1954.8542	-0.0567	-29	542	559	CNDYIGGCQLGITAKGER					Carbamidomethyl (C)[1]	Mascot
	2225.127	2225.0991	-0.0279	-13	218	239	TVNVHAARPVSSSTAAG LESDR						Mascot
	3048.5417	3048.4673	-0.0744	-24	10	37	GVHVQSGPCLGAELTDE EKEIINNVIAR					Carbamidomethyl (C)[9]	Mascot
44	polo-like kinase 3 (Drosophila) [Danio rerio]						gi 169154707	74271.7	9.04	12	37	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
995.4689	995.5035	0.0346	35	16	23	IMNPDMFK				Mascot
1119.6561	1119.4893	-0.1668	-149	471	479	TKPFIWVTK				Mascot
1329.5562	1329.6488	0.0926	70	1	11	MDPSCFTTAQR		Carbamidomethyl (C)[5], Oxidation (M)[1]		Mascot
1357.6899	1357.6993	0.0094	7	526	537	HFSFPANALPEK				Mascot
1365.7736	1365.6259	-0.1477	-108	102	112	EKIINEIELHK				Mascot
1365.7736	1365.6259	-0.1477	-108	102	112	EKIINEIELHK				Mascot
1383.7994	1383.6716	-0.1278	-92	161	171	YYLRQIISLK				Mascot
1499.7054	1499.76	0.0546	36	12	23	LSCKIMNPDMFK		Carbamidomethyl (C)[3], Oxidation (M)[6]		Mascot
1954.9691	1954.8542	-0.1149	-59	182	197	DLKLGNTFFVNMELR		Oxidation (M)[13]		Mascot
1998.098	1997.9514	-0.1466	-73	605	622	IILCKPSDASYLVTFISK				Mascot
2233.1138	2233.0579	-0.0559	-25	450	470	VLNSCLSSMPTASRNPP CLVK		Oxidation (M)[9]		Mascot
2261.2751	2261.0452	-0.2299	-102	274	294	YSLPSSLTPSAQKLISSIL QK				Mascot
2283.1326	2283.1577	0.0251	11	625	644	VSYSYPLNVLSLGCSP LR		Carbamidomethyl (C)[15]		Mascot

45 sperm-associated antigen 7 homolog [Danio rerio] gi|41055106 26247.3 8.91 7 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
1107.5615	1107.5273	-0.0342	-31	70	78	YNPMGKIER				Mascot
1193.5281	1193.6031	0.075	63	218	230	KGDEEAAGSGSSV				Mascot
1193.5281	1193.6031	0.075	63	218	230	KGDEEAAGSGSSV				Mascot
1234.6361	1234.6648	0.0287	23	188	198	AYGCVPVANKR		Carbamidomethyl (C)[4]		Mascot
1234.6361	1234.6648	0.0287	23	188	198	AYGCVPVANKR	4	0 Carbamidomethyl (C)[4]		Mascot
1384.6703	1384.6514	-0.0189	-14	142	154	AALAAAAASHTQK				Mascot

1390.6995	1390.6646	-0.0349	-25	202	213	SIEEAMNEIRAK	Mascot
1555.691	1555.7369	0.0459	30	110	122	EFAPSDEELEAYR	Mascot
2225.1421	2225.0991	-0.043	-19	167	187	YSHLIGHTSAAKDAAHTLQ ANR	Mascot

46 PREDICTED: hypothetical protein LOC100002352 [Danio rerio] gi|326667104 28311.2 4.72 8 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1023.4887	1023.4974	0.0087	9	47	54	LSEEMRSR			Oxidation (M)[5]		Mascot
1193.5289	1193.6031	0.0742	62	28	37	LCQECGLDAK			Carbamidomethyl (C)[2,5]		Mascot
1193.5289	1193.6031	0.0742	62	28	37	LCQECGLDAK			Carbamidomethyl (C)[2,5]		Mascot
1277.6704	1277.696	0.0256	20	179	189	LICEMARQIGK			Oxidation (M)[5]		Mascot
1320.5493	1320.5679	0.0186	14	167	178	DMNSHIGNACMK					Mascot
1475.7887	1475.7424	-0.0463	-31	41	52	TDLLRLSEEMR					Mascot
1493.6835	1493.7188	0.0353	24	28	40	LCQECGLDAKGSR			Carbamidomethyl (C)[2,5]		Mascot
1493.6835	1493.7188	0.0353	24	28	40	LCQECGLDAKGSR			Carbamidomethyl (C)[2,5]		Mascot
1997.8644	1997.9514	0.087	44	1	17	MEESDESENYPPKDIK			Oxidation (M)[1]		Mascot
2282.9807	2283.1577	0.177	78	167	185	DMNSHIGNACMKLICEMAR			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]		Mascot

47 PREDICTED: kelch-like protein 3 [Danio rerio] gi|68373307 65029.1 5.58 11 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5155	882.5568	0.0413	47	285	291	HLIKTDR					Mascot
1003.5417	1003.5383	-0.0034	-3	433	443	SSVGVGVDGK					Mascot
1193.6387	1193.6031	-0.0356	-30	214	223	VFEAMVAWIK					Mascot
1193.6387	1193.6031	-0.0356	-30	214	223	VFEAMVAWIK					Mascot
1234.6215	1234.6648	0.0433	35	328	337	WYQVADLPSR					Mascot
1234.6215	1234.6648	0.0433	35	328	337	WYQVADLPSR	6	0			Mascot
1263.5133	1263.681	0.1677	133	471	480	WCYVSDMSTR			Oxidation (M)[7]		Mascot
1265.7688	1265.6366	-0.1322	-104	292	302	TRPRTPISLPK					Mascot
1320.5348	1320.5679	0.0331	25	471	480	WCYVSDMSTR			Carbamidomethyl (C)[2], Oxidation (M)[7]		Mascot
1390.7227	1390.6646	-0.0581	-42	328	338	WYQVADLPSRR					Mascot
1460.641	1460.78	0.139	95	471	481	WCYVSDMSTRR			Carbamidomethyl (C)[2]		Mascot
1695.8337	1695.88	0.0463	27	506	519	KSVEVYDPTNTWR					Mascot
2224.9702	2225.0991	0.1289	58	2	22	DYDGFVPCPVPSLDSQDDAK					Mascot

	2367.3533	2367.2385	-0.1148	-48	242	261	LPLLSRDYLVQIVVEEPLI K											Mascot
	2367.3533	2367.2385	-0.1148	-48	242	261	LPLLSRDYLVQIVVEEPLI K											Mascot
48	PREDICTED: hypothetical protein LOC100330438 [Danio rerio]				gi 326666979		36156.2	5.13	9	36	0							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
847.4519	847.4418	-0.0101	-12	80	86	DELSKQK					Mascot
1023.4887	1023.4974	0.0087	9	112	119	LSEEMRSR			Oxidation (M)[5]		Mascot
1193.5289	1193.6031	0.0742	62	92	102	GLCQECGLDAK			Carbamidomethyl (C)[3]		Mascot
1193.5289	1193.6031	0.0742	62	92	102	GLCQECGLDAK			Carbamidomethyl (C)[3]		Mascot
1277.6704	1277.696	0.0256	20	248	258	LICEMARQIGK			Oxidation (M)[5]		Mascot
1383.5338	1383.6716	0.1378	100	236	247	DMDSHIGNTCMK			Oxidation (M)[2,11]		Mascot
1475.7887	1475.7424	-0.0463	-31	106	117	TDLLRLSEEMR					Mascot
1493.6835	1493.7188	0.0353	24	92	105	GLCQECGLDAKGSR			Carbamidomethyl (C)[3]		Mascot
1493.6835	1493.7188	0.0353	24	92	105	GLCQECGLDAKGSR			Carbamidomethyl (C)[3]		Mascot
1997.8644	1997.9514	0.087	44	1	17	MEESDESENYPPKDIK			Oxidation (M)[1]		Mascot
2224.9641	2225.0991	0.135	61	236	254	DMDSHIGNTCMKLICEMAR			Carbamidomethyl (C)[10]		Mascot

49	Msh2 protein [Danio rerio]				gi 182889828		103705.5	6.32	1	24	0							
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1234.6533	1234.6648	0.0115	9	265	275	IAMSCLEAVIK	24	0	Carbamidomethyl (C)[5]	3	Mascot

50	Ccxc101 protein [Danio rerio]				gi 201090170		33213	8.21	1	23	0							
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1234.5732	1234.6648	0.0916	74	68	78	ADAEAECSILR	23	0	Carbamidomethyl (C)[7]	4	Mascot

Gel Idx/Pos	229/J5	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	vitellogenin 1 [Danio rerio]	gi 94733730	149140.4	8.74	16	552	100	512	100

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification			Rank Result Type
925.3502	925.3301	-0.0201	-22	204	210	CAECTER			Carbamidomethyl (C)[1,4]			Mascot
1023.5105	1023.4912	-0.0193	-19	195	203	DVGLAYTER	65	99.991				Mascot
1023.5105	1023.4912	-0.0193	-19	195	203	DVGLAYTER						Mascot
1044.4528	1044.4315	-0.0213	-20	184	191	DLSHCQER			Carbamidomethyl (C)[5]			Mascot
1177.6462	1177.6218	-0.0244	-21	260	269	QTLAFVEIEK						Mascot
1215.6005	1215.5762	-0.0243	-20	164	173	THYVINEDPK	65	99.991				Mascot
1215.6005	1215.5762	-0.0243	-20	164	173	THYVINEDPK						Mascot
1238.7831	1238.7572	-0.0259	-21	135	145	GILNILQLNLK						Mascot
1259.5797	1259.5557	-0.024	-19	182	191	SKDLSHCQER			Carbamidomethyl (C)[7]			Mascot
1466.894	1466.8621	-0.0319	-22	95	108	LTSALAAQLQIPIK						Mascot
1599.8298	1599.7952	-0.0346	-22	58	71	VLISATTENTYLMK			Oxidation (M)[13]			Mascot
1695.8999	1695.8687	-0.0312	-18	119	134	VFAPAGVSPTVMNLHR						Mascot
1699.9047	1699.9042	-0.0005	0	597	614	ITAPDMASVAGAANVAIK						Mascot
1699.9377	1699.9042	-0.0335	-20	34	49	YEALLLGGLPQEGLAR	130	100				Mascot
1711.8948	1711.8638	-0.031	-18	119	134	VFAPAGVSPTVMNLHR			Oxidation (M)[12]			Mascot
1711.8948	1711.8638	-0.031	-18	119	134	VFAPAGVSPTVMNLHR	17	0	Oxidation (M)[12]			Mascot
1796.8928	1796.8574	-0.0354	-20	72	86	LMDPLLYEYAGTWPK						Mascot
1812.8877	1812.853	-0.0347	-19	72	86	LMDPLLYEYAGTWPK	83	100	Oxidation (M)[2]			Mascot
1812.8877	1812.853	-0.0347	-19	72	86	LMDPLLYEYAGTWPK			Oxidation (M)[2]			Mascot
1954.8745	1954.8373	-0.0372	-19	147	163	TQNIYEMQEAGAQQGVC			Carbamidomethyl (C)[16]			Mascot
1954.8745	1954.8373	-0.0372	-19	147	163	TQNIYEMQEAGAQQGVC	155	100	Carbamidomethyl (C)[16]			Mascot
1970.8695	1970.8354	-0.0341	-17	147	163	TQNIYEMQEAGAQQGVC	60	99.972	Carbamidomethyl (C)[16], Oxidation (M)[7]			Mascot
1970.8695	1970.8354	-0.0341	-17	147	163	TQNIYEMQEAGAQQGVC			Carbamidomethyl (C)[16], Oxidation (M)[7]			Mascot
2098.9644	2098.9324	-0.032	-15	146	163	KTQNIYEMQEAGAQQVC			Carbamidomethyl (C)[17], Oxidation (M)[8]			Mascot
2299.2292	2299.1428	-0.0864	-38	1039	1058	R QINIIDDDTPEGQAFLLKL						Mascot
2	vitellogenin 1 [Danio rerio]			gi 166795887		149452.5	8.68	17	496	100	449	100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
925.3502	925.3301	-0.0201	-22	204	210	CAECTER			Carbamidomethyl (C)[1,4]	Mascot
1044.4528	1044.4315	-0.0213	-20	184	191	DLSHCQER			Carbamidomethyl (C)[5]	Mascot
1177.6462	1177.6218	-0.0244	-21	260	269	QTLAFVEIEK				Mascot

1215.6005	1215.5762	-0.0243	-20	164	173	THYVINEDPK	65	99.991			Mascot
1215.6005	1215.5762	-0.0243	-20	164	173	THYVINEDPK					Mascot
1238.7831	1238.7572	-0.0259	-21	135	145	GILNILQLNLK					Mascot
1259.5797	1259.5557	-0.024	-19	182	191	SKDLSHCQER			Carbamidomethyl (C)[7]		Mascot
1466.894	1466.8621	-0.0319	-22	95	108	LTSALAAQLQIPIK					Mascot
1599.8298	1599.7952	-0.0346	-22	58	71	VLISATTENTYLMK			Oxidation (M)[13]		Mascot
1695.8999	1695.8687	-0.0312	-18	119	134	VFAPAGVSPTVMNLHR					Mascot
1699.9377	1699.9042	-0.0335	-20	34	49	YEALLLGGLPQEGLAR	130	100			Mascot
1699.9377	1699.9042	-0.0335	-20	34	49	YEALLLGGLPQEGLAR					Mascot
1711.8948	1711.8638	-0.031	-18	119	134	VFAPAGVSPTVMNLHR			Oxidation (M)[12]		Mascot
1711.8948	1711.8638	-0.031	-18	119	134	VFAPAGVSPTVMNLHR	17	0	Oxidation (M)[12]		Mascot
1796.8928	1796.8574	-0.0354	-20	72	86	LMDPLLYEYAGTWPK					Mascot
1812.8877	1812.853	-0.0347	-19	72	86	LMDPLLYEYAGTWPK	83	100	Oxidation (M)[2]		Mascot
1812.8877	1812.853	-0.0347	-19	72	86	LMDPLLYEYAGTWPK			Oxidation (M)[2]		Mascot
1954.8745	1954.8373	-0.0372	-19	147	163	TQNIYEMQEAGAQQGVCR			Carbamidomethyl (C)[16]		Mascot
1954.8745	1954.8373	-0.0372	-19	147	163	TQNIYEMQEAGAQQGVCR	155	100	Carbamidomethyl (C)[16]		Mascot
1970.8695	1970.8354	-0.0341	-17	147	163	TQNIYEMQEAGAQQGVCR	60	99.972	Carbamidomethyl (C)[16], Oxidation (M)[7]		Mascot
1970.8695	1970.8354	-0.0341	-17	147	163	TQNIYEMQEAGAQQGVCR			Carbamidomethyl (C)[16], Oxidation (M)[7]		Mascot
2098.9644	2098.9324	-0.032	-15	146	163	KTQNIYEMQEAGAQQGVC R			Carbamidomethyl (C)[17], Oxidation (M)[8]		Mascot
2233.2009	2233.0486	-0.1523	-68	593	614	SLTRITAPDMAYVAGAAN VAIK					Mascot
2299.2292	2299.1428	-0.0864	-38	1039	1058	QINIIDDDTPEGQAFLKL R					Mascot
2305.1394	2305.1248	-0.0146	-6	577	596	TEPNMHVASFAYSHIKSL TR			Oxidation (M)[5]		Mascot
3338.6421	3338.7092	0.0671	20	930	961	SIPLVPELSLQNSQASYA GDLSSSEMSSVASVR			Oxidation (M)[25]		Mascot

3 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733731 149169.2 8.84 14 441 100 413 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1023.5105	1023.4912	-0.0193	-19	199	207	DVGLAYTER	65	99.991		Mascot
1023.5105	1023.4912	-0.0193	-19	199	207	DVGLAYTER				Mascot
1044.4528	1044.4315	-0.0213	-20	188	195	DLSHCQER			Carbamidomethyl (C)[5]	Mascot
1177.6462	1177.6218	-0.0244	-21	264	273	QTLAFVEIEK				Mascot
1215.6005	1215.5762	-0.0243	-20	168	177	THYVINEDPK	65	99.991		Mascot
1215.6005	1215.5762	-0.0243	-20	168	177	THYVINEDPK				Mascot
1238.7831	1238.7572	-0.0259	-21	139	149	GILNILQLNLK				Mascot

1259.5797	1259.5557	-0.024	-19	186	195	SKDLSHCQER				Carbamidomethyl (C)[7]	Mascot
1466.894	1466.8621	-0.0319	-22	99	112	LTSALAAQLQIPIK					Mascot
1699.9047	1699.9042	-0.0005	0	601	618	ITAPDMASVAGAANVAIK					Mascot
1699.9377	1699.9042	-0.0335	-20	38	53	YEALLLGGLPQEGLAR	130	100			Mascot
1721.9043	1721.884	-0.0203	-12	123	138	VFAPAGVSPTVMNLYR					Mascot
1954.8745	1954.8373	-0.0372	-19	151	167	TQNIYEMQEAGAQQGVCR				Carbamidomethyl (C)[16]	Mascot
1954.8745	1954.8373	-0.0372	-19	151	167	TQNIYEMQEAGAQQGVCR	155	100		Carbamidomethyl (C)[16]	Mascot
1970.8695	1970.8354	-0.0341	-17	151	167	TQNIYEMQEAGAQQGVCR	60	99.972		Carbamidomethyl (C)[16], Oxidation (M)[7]	Mascot
1970.8695	1970.8354	-0.0341	-17	151	167	TQNIYEMQEAGAQQGVCR				Carbamidomethyl (C)[16], Oxidation (M)[7]	Mascot
2098.9644	2098.9324	-0.032	-15	150	167	KTQNIYEMQEAGAQQVC R				Carbamidomethyl (C)[17], Oxidation (M)[8]	Mascot
2299.2292	2299.1428	-0.0864	-38	1043	1062	QINIIDDDTPEGQAFLLKL R					Mascot
2305.1394	2305.1248	-0.0146	-6	581	600	TEPNMHVSSSFAYSHIKSL TR					Mascot
2321.1343	2321.124	-0.0103	-4	581	600	TEPNMHVSSSFAYSHIKSL TR				Oxidation (M)[5]	Mascot

4 vitellogenin 5 [Danio rerio] gi|68448530 148868 8.77 13 437 100 413 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1023.5105	1023.4912	-0.0193	-19	195	203	DVGLAYTER	65	99.991			Mascot
1023.5105	1023.4912	-0.0193	-19	195	203	DVGLAYTER					Mascot
1044.4528	1044.4315	-0.0213	-20	184	191	DLSHCQER			Carbamidomethyl (C)[5]		Mascot
1177.6462	1177.6218	-0.0244	-21	260	269	QTLAFVEIEK					Mascot
1215.6005	1215.5762	-0.0243	-20	164	173	THYVINEDPK	65	99.991			Mascot
1215.6005	1215.5762	-0.0243	-20	164	173	THYVINEDPK					Mascot
1238.7831	1238.7572	-0.0259	-21	135	145	GILNILQLNLK					Mascot
1259.5797	1259.5557	-0.024	-19	182	191	SKDLSHCQER			Carbamidomethyl (C)[7]		Mascot
1466.894	1466.8621	-0.0319	-22	95	108	LTSALAAQLQIPIK					Mascot
1699.9047	1699.9042	-0.0005	0	597	614	ITAPDMASVAGAANVAIK					Mascot
1699.9377	1699.9042	-0.0335	-20	34	49	YEALLLGGLPQEGLAR	130	100			Mascot
1954.8745	1954.8373	-0.0372	-19	147	163	TQNIYEMQEAGAQQGVCR			Carbamidomethyl (C)[16]		Mascot
1954.8745	1954.8373	-0.0372	-19	147	163	TQNIYEMQEAGAQQGVCR	155	100	Carbamidomethyl (C)[16]		Mascot
1970.8695	1970.8354	-0.0341	-17	147	163	TQNIYEMQEAGAQQGVCR	60	99.972	Carbamidomethyl (C)[16], Oxidation (M)[7]		Mascot
1970.8695	1970.8354	-0.0341	-17	147	163	TQNIYEMQEAGAQQGVCR			Carbamidomethyl (C)[16], Oxidation (M)[7]		Mascot
2098.9644	2098.9324	-0.032	-15	146	163	KTQNIYEMQEAGAQQVC R			Carbamidomethyl (C)[17], Oxidation (M)[8]		Mascot
2299.2292	2299.1428	-0.0864	-38	1039	1058	QINIIDDDTPEGQAFLLKL R					Mascot
2305.1394	2305.1248	-0.0146	-6	577	596	TEPNMHVSSSFAYSHIKSL					Mascot

	2321.1343	2321.124	-0.0103	-4	577	596	TR TEPNMHVSSFAYSHIKSL TR				Oxidation (M)[5]		Mascot
5	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]					gi 94733734	149808.5	8.83	15	393	100	359	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4461	864.4752	0.0291	34	91	98	DSFVPATK					Mascot
1023.5105	1023.4912	-0.0193	-19	199	207	DVGLAYTER	65	99.991			Mascot
1023.5105	1023.4912	-0.0193	-19	199	207	DVGLAYTER					Mascot
1044.4528	1044.4315	-0.0213	-20	188	195	DLSHCQER			Carbamidomethyl (C)[5]		Mascot
1177.6462	1177.6218	-0.0244	-21	264	273	QTLAFVEIEK					Mascot
1215.6005	1215.5762	-0.0243	-20	168	177	THYVINEDPK	65	99.991			Mascot
1215.6005	1215.5762	-0.0243	-20	168	177	THYVINEDPK					Mascot
1238.7831	1238.7572	-0.0259	-21	139	149	GILNILQLNLK					Mascot
1259.5797	1259.5557	-0.024	-19	186	195	SKDLSHCQER			Carbamidomethyl (C)[7]		Mascot
1466.894	1466.8621	-0.0319	-22	99	112	LTSALAAQLQIPIK					Mascot
1695.8999	1695.8687	-0.0312	-18	123	138	VFAPAGVSPTVMNLHR					Mascot
1699.9377	1699.9042	-0.0335	-20	38	53	YEALLLGGLPQEGLAR	130	100			Mascot
1699.9377	1699.9042	-0.0335	-20	38	53	YEALLLGGLPQEGLAR					Mascot
1711.8948	1711.8638	-0.031	-18	123	138	VFAPAGVSPTVMNLHR			Oxidation (M)[12]		Mascot
1711.8948	1711.8638	-0.031	-18	123	138	VFAPAGVSPTVMNLHR	17	0	Oxidation (M)[12]		Mascot
1796.8928	1796.8574	-0.0354	-20	76	90	LMDPLLYEYAGTWPK					Mascot
1812.8877	1812.853	-0.0347	-19	76	90	LMDPLLYEYAGTWPK	83	100	Oxidation (M)[2]		Mascot
1812.8877	1812.853	-0.0347	-19	76	90	LMDPLLYEYAGTWPK			Oxidation (M)[2]		Mascot
2194.0469	2194.0535	0.0066	3	1063	1083	EILDTEAKNAPVSSSSSSR					Mascot
2233.2009	2233.0486	-0.1523	-68	597	618	SLTRITAPDMAYVAGAANVAIK					Mascot
2299.2292	2299.1428	-0.0864	-38	1043	1062	QINIIDDDTPEGQAFLLKL R					Mascot
2305.1394	2305.1248	-0.0146	-6	581	600	TEPNMHVASFAYSHIKSL TR			Oxidation (M)[5]		Mascot

6	vitellogenin 6 [Danio rerio]					gi 303227889	150936.1	8.84	15	392	100	359	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4461	864.4752	0.0291	34	98	105	DSFVPATK					Mascot
1023.5105	1023.4912	-0.0193	-19	206	214	DVGLAYTER	65	99.991			Mascot

	1023.5105	1023.4912	-0.0193	-19	206	214	DVGLAYTER										Mascot
	1044.4528	1044.4315	-0.0213	-20	195	202	DLSHCQER										Mascot
	1177.6462	1177.6218	-0.0244	-21	271	280	QTLAFVEIEK										Mascot
	1215.6005	1215.5762	-0.0243	-20	175	184	THYVINEDPK	65	99.991								Mascot
	1215.6005	1215.5762	-0.0243	-20	175	184	THYVINEDPK										Mascot
	1238.7831	1238.7572	-0.0259	-21	146	156	GILNILQLNLK										Mascot
	1259.5797	1259.5557	-0.024	-19	193	202	SKDLSHCQER										Mascot
	1466.894	1466.8621	-0.0319	-22	106	119	LTSALAAQLQIPIK										Mascot
	1695.8999	1695.8687	-0.0312	-18	130	145	VFAPAGVSPTVMNLHR										Mascot
	1699.9377	1699.9042	-0.0335	-20	45	60	YEALLLGGLPQEGLAR	130	100								Mascot
	1699.9377	1699.9042	-0.0335	-20	45	60	YEALLLGGLPQEGLAR										Mascot
	1711.8948	1711.8638	-0.031	-18	130	145	VFAPAGVSPTVMNLHR										Mascot
	1711.8948	1711.8638	-0.031	-18	130	145	VFAPAGVSPTVMNLHR	17	0	Oxidation (M)[12]							Mascot
	1796.8928	1796.8574	-0.0354	-20	83	97	LMDPLLYEYAGTWPK										Mascot
	1812.8877	1812.853	-0.0347	-19	83	97	LMDPLLYEYAGTWPK	83	100	Oxidation (M)[2]							Mascot
	1812.8877	1812.853	-0.0347	-19	83	97	LMDPLLYEYAGTWPK			Oxidation (M)[2]							Mascot
	2194.0469	2194.0535	0.0066	3	1070	1090	EILDTEAKNAPVSSSESS SSR										Mascot
	2233.2009	2233.0486	-0.1523	-68	604	625	SLTRITAPDMAYVAGAAN VAIK										Mascot
	2299.2292	2299.1428	-0.0864	-38	1050	1069	QINIIDDDTPEGQAFLLKL R										Mascot
	2305.1394	2305.1248	-0.0146	-6	588	607	TEPNMHVASFAYSHIKSL TR										Mascot
7	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733733 149143.4 8.92 15 391 100 357 100																

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
864.4461	864.4752	0.0291	34	91	98	DSFVPATK						Mascot
1023.5105	1023.4912	-0.0193	-19	199	207	DVGLAYTER	65	99.991				Mascot
1023.5105	1023.4912	-0.0193	-19	199	207	DVGLAYTER						Mascot
1044.4528	1044.4315	-0.0213	-20	188	195	DLSHCQER				Carbamidomethyl (C)[5]		Mascot
1045.5465	1045.5414	-0.0051	-5	1350	1357	DFLSWIHK						Mascot
1177.6462	1177.6218	-0.0244	-21	264	273	QTLAFVEIEK						Mascot
1215.6005	1215.5762	-0.0243	-20	168	177	THYVINEDPK	65	99.991				Mascot
1215.6005	1215.5762	-0.0243	-20	168	177	THYVINEDPK						Mascot
1238.7831	1238.7572	-0.0259	-21	139	149	GILNILQLNLK						Mascot
1259.5797	1259.5557	-0.024	-19	186	195	SKDLSHCQER				Carbamidomethyl (C)[7]		Mascot
1466.894	1466.8621	-0.0319	-22	99	112	LTSALAAQLQIPIK						Mascot

	1695.8999	1695.8687	-0.0312	-18	123	138	VFAPAGVSPTVMNLHR									Mascot
	1699.9377	1699.9042	-0.0335	-20	38	53	YEALLLGGLPQEGLAR	130	100							Mascot
	1699.9377	1699.9042	-0.0335	-20	38	53	YEALLLGGLPQEGLAR									Mascot
	1711.8948	1711.8638	-0.031	-18	123	138	VFAPAGVSPTVMNLHR			Oxidation (M)[12]						Mascot
	1711.8948	1711.8638	-0.031	-18	123	138	VFAPAGVSPTVMNLHR	17	0	Oxidation (M)[12]						Mascot
	1796.8928	1796.8574	-0.0354	-20	76	90	LMDPLLYEYAGTWPK									Mascot
	1812.8877	1812.853	-0.0347	-19	76	90	LMDPLLYEYAGTWPK	83	100	Oxidation (M)[2]						Mascot
	1812.8877	1812.853	-0.0347	-19	76	90	LMDPLLYEYAGTWPK			Oxidation (M)[2]						Mascot
	2233.2009	2233.0486	-0.1523	-68	597	618	SLTRITAPDMAYVAGAAN VAIK									Mascot
	2299.2292	2299.1428	-0.0864	-38	1043	1062	QINIIDDDTPEGQAFLLKL R									Mascot
	2305.1394	2305.1248	-0.0146	-6	581	600	TEPNMHVASFAYSHIKSL TR			Oxidation (M)[5]						Mascot
8	Zgc:136383 protein [Danio rerio]				gi 125857991		148644.2	8.93	15	391	100	357	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4461	864.4752	0.0291	34	86	93	DSFVPATK					Mascot
1023.5105	1023.4912	-0.0193	-19	194	202	DVGLAYTER	65	99.991			Mascot
1023.5105	1023.4912	-0.0193	-19	194	202	DVGLAYTER					Mascot
1044.4528	1044.4315	-0.0213	-20	183	190	DLSHCQER			Carbamidomethyl (C)[5]		Mascot
1045.5465	1045.5414	-0.0051	-5	1345	1352	DFLSWIHK					Mascot
1177.6462	1177.6218	-0.0244	-21	259	268	QTLAFVEIEK					Mascot
1215.6005	1215.5762	-0.0243	-20	163	172	THYVINEDPK	65	99.991			Mascot
1215.6005	1215.5762	-0.0243	-20	163	172	THYVINEDPK					Mascot
1238.7831	1238.7572	-0.0259	-21	134	144	GILNILQLNLK					Mascot
1259.5797	1259.5557	-0.024	-19	181	190	SKDLSHCQER			Carbamidomethyl (C)[7]		Mascot
1466.894	1466.8621	-0.0319	-22	94	107	LTSALAAQLQIPIK					Mascot
1695.8999	1695.8687	-0.0312	-18	118	133	VFAPAGVSPTVMNLHR					Mascot
1699.9377	1699.9042	-0.0335	-20	33	48	YEALLLGGLPQEGLAR	130	100			Mascot
1699.9377	1699.9042	-0.0335	-20	33	48	YEALLLGGLPQEGLAR					Mascot
1711.8948	1711.8638	-0.031	-18	118	133	VFAPAGVSPTVMNLHR			Oxidation (M)[12]		Mascot
1711.8948	1711.8638	-0.031	-18	118	133	VFAPAGVSPTVMNLHR	17	0	Oxidation (M)[12]		Mascot
1796.8928	1796.8574	-0.0354	-20	71	85	LMDPLLYEYAGTWPK					Mascot
1812.8877	1812.853	-0.0347	-19	71	85	LMDPLLYEYAGTWPK	83	100	Oxidation (M)[2]		Mascot
1812.8877	1812.853	-0.0347	-19	71	85	LMDPLLYEYAGTWPK			Oxidation (M)[2]		Mascot
1856.9402	1856.9148	-0.0254	-14	576	591	TEPNRHVASFAYSHIK					Mascot

		2233.2009	2233.0486	-0.1523	-68	592	613	SLTRITAPDMAYVAGAAAN VAIK							Mascot
		2299.2292	2299.1428	-0.0864	-38	1038	1057	QINIIDDDTPEGQAFLKL R							Mascot
9	vitellogenin 1 [Danio rerio]						gij 21391474	21118.2	9	8	349	100	294	100	
	Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification			Rank	Result Type
		864.4461	864.4752	0.0291	34	87	94 DSFVPATK								Mascot
		1044.4528	1044.4315	-0.0213	-20	184	191 DLSHCQER				Carbamidomethyl (C)[5]				Mascot
		1215.6005	1215.5762	-0.0243	-20	164	173 THYVINEDPK		65	99.991					Mascot
		1215.6005	1215.5762	-0.0243	-20	164	173 THYVINEDPK								Mascot
		1238.7831	1238.7572	-0.0259	-21	135	145 GILNILQLNLK								Mascot
		1259.5797	1259.5557	-0.024	-19	182	191 SKDLSHCQER				Carbamidomethyl (C)[7]				Mascot
		1695.8999	1695.8687	-0.0312	-18	119	134 VFAPAGVSPTVMNLHR								Mascot
		1699.9377	1699.9042	-0.0335	-20	34	49 YEALLLGGLPQEGLAR		130	100					Mascot
		1699.9377	1699.9042	-0.0335	-20	34	49 YEALLLGGLPQEGLAR								Mascot
		1711.8948	1711.8638	-0.031	-18	119	134 VFAPAGVSPTVMNLHR				Oxidation (M)[12]				Mascot
		1711.8948	1711.8638	-0.031	-18	119	134 VFAPAGVSPTVMNLHR		17	0	Oxidation (M)[12]				Mascot
		1796.8928	1796.8574	-0.0354	-20	72	86 LMDPLLYEYAGTWPK								Mascot
		1812.8877	1812.853	-0.0347	-19	72	86 LMDPLLYEYAGTWPK		83	100	Oxidation (M)[2]				Mascot
		1812.8877	1812.853	-0.0347	-19	72	86 LMDPLLYEYAGTWPK				Oxidation (M)[2]				Mascot
10	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]						gij 94732723	147084.2	8.73	12	296	100	276	100	
	Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification			Rank	Result Type
		1044.4528	1044.4315	-0.0213	-20	184	191 DLSHCQER				Carbamidomethyl (C)[5]				Mascot
		1177.6133	1177.6218	0.0085	7	828	837 LESMTLDQLK								Mascot
		1215.6005	1215.5762	-0.0243	-20	164	173 THYVINEDPK		65	99.991					Mascot
		1215.6005	1215.5762	-0.0243	-20	164	173 THYVINEDPK								Mascot
		1238.7831	1238.7572	-0.0259	-21	135	145 GILNILQLNLK								Mascot
		1259.5797	1259.5557	-0.024	-19	182	191 SKDLSHCQER				Carbamidomethyl (C)[7]				Mascot
		1466.894	1466.8621	-0.0319	-22	95	108 LTSALAAQLIPIK								Mascot
		1699.9047	1699.9042	-0.0005	0	597	614 ITAPDMASVAGAANVAIK								Mascot
		1699.9377	1699.9042	-0.0335	-20	34	49 YEALLLGGLPQEGLAR		130	100					Mascot
		1721.9043	1721.884	-0.0203	-12	119	134 VFAPAGVSPTVMNLYR								Mascot
		1796.8928	1796.8574	-0.0354	-20	72	86 LMDPLLYEYAGTWPK								Mascot

	1812.8877	1812.853	-0.0347	-19	72	86	LMDPLL YEYAGTWPK	83	100	Oxidation (M)[2]	Mascot		
	1812.8877	1812.853	-0.0347	-19	72	86	LMDPLL YEYAGTWPK			Oxidation (M)[2]	Mascot		
	2313.1873	2313.137	-0.0503	-22	1160	1179	DDQKLLGYQLAAYFDKP TAR				Mascot		
	3337.7539	3337.7229	-0.031	-9	1164	1193	LLGYQLAAYFDKPTARVQ LIASSIAENDNR				Mascot		
11	vitellogenin 7 [Danio rerio]				gi 156713467		148739.2	8.76	12	295	100	276	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1044.4528	1044.4315	-0.0213	-20	184	191	DLSHCQER				Carbamidomethyl (C)[5]		Mascot	
1177.6133	1177.6218	0.0085	7	828	837	LESMTLDQLK						Mascot	
1215.6005	1215.5762	-0.0243	-20	164	173	THYVINEDPK	65	99.991				Mascot	
1215.6005	1215.5762	-0.0243	-20	164	173	THYVINEDPK						Mascot	
1238.7831	1238.7572	-0.0259	-21	135	145	GILNILQLNLK						Mascot	
1259.5797	1259.5557	-0.024	-19	182	191	SKDLSHCQER				Carbamidomethyl (C)[7]		Mascot	
1466.894	1466.8621	-0.0319	-22	95	108	LTSALAAQLQIPIK						Mascot	
1699.9047	1699.9042	-0.0005	0	597	614	ITAPDMASVAGAAANVAIK						Mascot	
1699.9377	1699.9042	-0.0335	-20	34	49	YEALLLGGLPQEGLAR	130	100				Mascot	
1721.9043	1721.884	-0.0203	-12	119	134	VFAPAGVSPTVMNLYR						Mascot	
1796.8928	1796.8574	-0.0354	-20	72	86	LMDPLLYEYAGTWPK						Mascot	
1812.8877	1812.853	-0.0347	-19	72	86	LMDPLLYEYAGTWPK	83	100		Oxidation (M)[2]		Mascot	
1812.8877	1812.853	-0.0347	-19	72	86	LMDPLLYEYAGTWPK				Oxidation (M)[2]		Mascot	
2313.1873	2313.137	-0.0503	-22	1175	1194	DDQKLLGYQLAAYFDKP TAR						Mascot	
3337.7539	3337.7229	-0.031	-9	1179	1208	LLGYQLAAYFDKPTARVQ LIASSIAENDNR						Mascot	

12	Vtg1 protein [Danio rerio]				gi 63100501		36409.1	9.23	3	228	100	220	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1215.6005	1215.5762	-0.0243	-20	71	80	THYVINEDPK	65	99.991				Mascot	
1215.6005	1215.5762	-0.0243	-20	71	80	THYVINEDPK						Mascot	
1796.9078	1796.8574	-0.0504	-28	239	253	HILTAAYDTGFRFER						Mascot	
1954.8745	1954.8373	-0.0372	-19	54	70	TQNIYEMQEAGAQQGVCR				Carbamidomethyl (C)[16]		Mascot	
1954.8745	1954.8373	-0.0372	-19	54	70	TQNIYEMQEAGAQQGVCR	155	100		Carbamidomethyl (C)[16]		Mascot	
1970.8695	1970.8354	-0.0341	-17	54	70	TQNIYEMQEAGAQQGVCR	60	99.972		Carbamidomethyl (C)[16], Oxidation (M)[7]		Mascot	
1970.8695	1970.8354	-0.0341	-17	54	70	TQNIYEMQEAGAQQGVCR				Carbamidomethyl (C)[16], Oxidation (M)[7]		Mascot	

13 Unknown (protein for MGC:174137) [Danio rerio] gi|152012733 17051.5 7.71 3 227 100 213 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1599.8298	1599.7952	-0.0346	-22	58	71	VLISATTENTYLMK			Oxidation (M)[13]		Mascot	
1699.9377	1699.9042	-0.0335	-20	34	49	YEALLLGGLPQEGLAR	130	100			Mascot	
1699.9377	1699.9042	-0.0335	-20	34	49	YEALLLGGLPQEGLAR					Mascot	
1796.8928	1796.8574	-0.0354	-20	72	86	LMDPLLYEYAGTWPK					Mascot	
1812.8877	1812.853	-0.0347	-19	72	86	LMDPLLYEYAGTWPK	83	100	Oxidation (M)[2]		Mascot	
1812.8877	1812.853	-0.0347	-19	72	86	LMDPLLYEYAGTWPK			Oxidation (M)[2]		Mascot	

14 vitellogenin 1 [Danio rerio] gi|21391472 127954.2 8.69 6 73 99.755 65 99.991

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
925.3502	925.3301	-0.0201	-22	13	19	CAECTER			Carbamidomethyl (C)[1,4]		Mascot	
1023.5105	1023.4912	-0.0193	-19	4	12	DVGLAYTER	65	99.991			Mascot	
1023.5105	1023.4912	-0.0193	-19	4	12	DVGLAYTER					Mascot	
1177.6462	1177.6218	-0.0244	-21	69	78	QTLAFVEIEK					Mascot	
1699.9047	1699.9042	-0.0005	0	406	423	ITAPDMASVAGAAANVAIK					Mascot	
1699.9047	1699.9042	-0.0005	0	406	423	ITAPDMASVAGAAANVAIK					Mascot	
1796.9078	1796.8574	-0.0504	-28	1086	1100	HILTAAYDTGFRFER					Mascot	
2299.2292	2299.1428	-0.0864	-38	848	867	QINIIDDDTPEGQAFLLKL R					Mascot	

15 PREDICTED: hypothetical protein LOC798813 [Danio rerio] gi|189517093 61723.2 5.86 11 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
801.4001	801.3394	-0.0607	-76	60	65	FDHVQR					Mascot	
990.489	990.3634	-0.1256	-127	526	533	SELEAWQK					Mascot	
1045.5571	1045.5414	-0.0157	-15	244	251	IRMDQNIR					Mascot	
1259.6127	1259.5557	-0.057	-45	60	69	FDHVQRSENK					Mascot	
1520.7261	1520.6945	-0.0316	-21	377	389	ILDCLEVASSEER			Carbamidomethyl (C)[4]		Mascot	
1599.8951	1599.7952	-0.0999	-62	96	110	NLGAVLKDTLEGLEK					Mascot	
1721.8275	1721.884	0.0565	33	35	47	WTLQRETELENMR			Oxidation (M)[12]		Mascot	

	1812.8698	1812.853	-0.0168	-9	362	376	NAQNIFQRYMEDVGK									Mascot
	1812.8698	1812.853	-0.0168	-9	362	376	NAQNIFQRYMEDVGK									Mascot
	2283.0996	2283.1433	0.0437	19	274	292	MEQFLTDLEESAVQLDR MK									Mascot
	2283.0996	2283.1433	0.0437	19	274	292	MEQFLTDLEESAVQLDR MK									Mascot
	2284.1543	2284.1338	-0.0205	-9	526	544	SELEAWQKIHDSLIGIWR									Mascot
	2299.0945	2299.1428	0.0483	21	274	292	MEQFLTDLEESAVQLDR MK					Oxidation (M)[1]				Mascot
	2305.1208	2305.1248	0.004	2	203	221	SFLWFEDVYSCKTGEPL VK					Carbamidomethyl (C)[11]				Mascot
16	novel protein (zgc:73157) [Danio rerio]				gi 148725328		24797.4	9.03	7	40	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4665	842.4925	0.026	31	120	126	MLKSAHR					Mascot
864.4838	864.4752	-0.0086	-10	209	214	YIRAWR					Mascot
955.3607	955.4689	0.1082	113	215	224	GGTGDCKMGG			Carbamidomethyl (C)[6], Oxidation (M)[8]		Mascot
1084.5754	1084.5103	-0.0651	-60	1	10	MLGGHVCVLR					Mascot
1507.637	1507.7444	0.1074	71	13	26	YTENGMASSASSFK					Mascot
1695.8855	1695.8687	-0.0168	-10	110	122	LFRPMLNMNRMLK			Oxidation (M)[5,8]		Mascot
1711.8805	1711.8638	-0.0167	-10	110	122	LFRPMLNMNRMLK			Oxidation (M)[5,8,11]		Mascot
1711.8805	1711.8638	-0.0167	-10	110	122	LFRPMLNMNRMLK			Oxidation (M)[5,8,11]		Mascot
2297.0181	2297.1562	0.1381	60	123	142	SAHRACLPSTFDCALME CIK			Carbamidomethyl (C)[6], Oxidation (M)[16]		Mascot

17 CTAGE family, member 5 [Danio rerio] gi|41053471 77796.7 5.5 13 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4417	850.5236	0.0819	96	404	410	LTDAQFR					Mascot
990.485	990.3634	-0.1216	-123	244	251	SLEEDKNR					Mascot
1023.5442	1023.4912	-0.053	-52	396	403	ENAHLRQR					Mascot
1023.5442	1023.4912	-0.053	-52	396	403	ENAHLRQR					Mascot
1051.567	1051.6935	0.1265	120	15	23	VLETFSEVK					Mascot
1084.5608	1084.5103	-0.0505	-47	634	643	GPLPPGMFPR			Oxidation (M)[7]		Mascot
1466.7247	1466.8621	0.1374	94	376	388	AHDNWLAAARAADR					Mascot
1507.8114	1507.7444	-0.067	-44	336	348	KISLAAEELNTYR					Mascot
1695.8547	1695.8687	0.014	8	264	277	EDLHEGIKQLEEQQ					Mascot
1699.7335	1699.9042	0.1707	100	157	169	LSELEEEEMKMCER			Carbamidomethyl (C)[11], Oxidation (M)[8]		Mascot

	1699.7335	1699.9042	0.1707	100	157	169	LSELEEEEMKMCER		Carbamidomethyl (C)[11], Oxidation (M)[8]	Mascot
	1711.6469	1711.8638	0.2169	127	170	184	SHAGMMEDCANKDDR		Oxidation (M)[5,6]	Mascot
	1711.6469	1711.8638	0.2169	127	170	184	SHAGMMEDCANKDDR		Oxidation (M)[5,6]	Mascot
	1812.6954	1812.853	0.1576	87	166	181	MCERSHAGMMEDCANK			Mascot
	1812.6954	1812.853	0.1576	87	166	181	MCERSHAGMMEDCANK			Mascot
	2233.0725	2233.0486	-0.0239	-11	605	623	DPHFPHRGPFGPPDYFP PR			Mascot
	2283.136	2283.1433	0.0073	3	294	311	LQQKLQIMTEMYQENEL K		Oxidation (M)[8]	Mascot
	2283.136	2283.1433	0.0073	3	294	311	LQQKLQIMTEMYQENEL K		Oxidation (M)[8]	Mascot
	2299.1309	2299.1428	0.0119	5	294	311	LQQKLQIMTEMYQENEL K		Oxidation (M)[8,11]	Mascot
18	zinc finger CCHC domain-containing protein 9 [Danio rerio]				gi 38198649	28388.1	9.59	9	39	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.3559	801.3394	-0.0165	-21	185	191	ACPDNPK			Carbamidomethyl (C)[2]		Mascot
1084.4662	1084.5103	0.0441	41	192	201	GLYAAGGCCR			Carbamidomethyl (C)[8,9]		Mascot
1160.4645	1160.5831	0.1186	102	113	121	SNMICFNCR			Carbamidomethyl (C)[5], Oxidation (M)[3]		Mascot
1215.5431	1215.5762	0.0331	27	112	121	KSNMICFNCR					Mascot
1215.5431	1215.5762	0.0331	27	112	121	KSNMICFNCR					Mascot
1695.74	1695.8687	0.1287	76	185	201	ACPDNPKGLYAAGGCCR					Mascot
1721.9293	1721.884	-0.0453	-26	73	87	QTGQTLQKHTPVDLR					Mascot
1838.8014	1838.8696	0.0682	37	58	72	QHDNEDVNGFMEYLK					Mascot
2299.0845	2299.1428	0.0583	25	212	231	DCPEHQNSTNSITLGRLS NR			Carbamidomethyl (C)[2]		Mascot
3338.3862	3338.7092	0.323	97	113	141	SNMICFNCRKPGHGLAD CPEANDEEMGR			Carbamidomethyl (C)[5,8], Oxidation (M)[3]		Mascot
3354.3811	3354.7192	0.3381	101	113	141	SNMICFNCRKPGHGLAD CPEANDEEMGR			Carbamidomethyl (C)[5,8], Oxidation (M)[3,27]		Mascot

19 Sipa111 protein [Danio rerio] gi|190340108 188873.8 8.64 19 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.3671	801.3394	-0.0277	-35	1000	1006	GCSELHR					Mascot
856.5363	856.5086	-0.0277	-32	1703	1709	LQAQIKR					Mascot
864.4495	864.4752	0.0257	30	557	563	VTEQLMK			Oxidation (M)[6]		Mascot
1055.5956	1055.5295	-0.0661	-63	1553	1562	SPTTRGAPLR					Mascot
1177.592	1177.6218	0.0298	25	1499	1510	LSSSGPSSSGRR					Mascot

1215.6997	1215.5762	-0.1235	-102	794	803	FPFISLAHKR	Mascot
1215.6997	1215.5762	-0.1235	-102	794	803	FPFISLAHKR	Mascot
1238.6376	1238.7572	0.1196	97	782	793	HVTSTPIDPSGK	Mascot
1397.6267	1397.575	-0.0517	-37	1635	1646	GFMFSSQDVSHR	Mascot
1520.7354	1520.6945	-0.0409	-27	1310	1323	APSPWHSPDGGRR	Mascot
1599.8965	1599.7952	-0.1013	-63	986	999	VVIIPPHEDATPRR	Mascot
1699.8134	1699.9042	0.0908	53	1179	1194	VEDSSDRPPSDAPVTK	Mascot
1699.8134	1699.9042	0.0908	53	1179	1194	VEDSSDRPPSDAPVTK	Mascot
1721.8817	1721.884	0.0023	1	1429	1444	KPGSTINSVDFGDTRK	Mascot
1812.8268	1812.853	0.0262	14	1632	1646	MQRGFMFSSQDVSHR	Mascot
1812.8915	1812.853	-0.0385	-21	441	455	SNILEHVDLGAYYYR	Mascot
1856.7604	1856.9148	0.1544	83	1356	1372	DGSTYSLSDMASYSSNR	Mascot
2225.0364	2225.0825	0.0461	21	1572	1591	MHGDLSASDTSLADLHD RQR	Mascot
2225.0364	2225.0825	0.0461	21	1572	1591	MHGDLSASDTSLADLHD RQR	Mascot
2233.1709	2233.0486	-0.1223	-55	1666	1687	LSPSEGPSSYGKVSQLEALVK	Mascot
2255.0647	2255.0283	-0.0364	-16	1037	1058	TSSSPQQSLTASPQSHSGTPNR	Mascot
2300.0725	2300.136	0.0635	28	641	659	DYEIMFHVSTMLPYTPNN K	Mascot

Oxidation (M)[10]

20 PREDICTED: oocyte zinc finger protein XICOF6-like [Danio rerio] gi|292613478 35303.1 8.36 10 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
870.4064	870.5206	0.1142	131	284	290	DNLESHR				Mascot
955.4955	955.4689	-0.0266	-28	116	123	SNLEVHTR				Mascot
1023.5139	1023.4912	-0.0227	-22	79	87	ECGKSLTTK		Carbamidomethyl (C)[2]		Mascot
1023.5139	1023.4912	-0.0227	-22	79	87	ECGKSLTTK		Carbamidomethyl (C)[2]		Mascot
1044.533	1044.4315	-0.1015	-97	144	151	MLLEVHMR		Oxidation (M)[1]		Mascot
1733.8098	1733.8379	0.0281	16	96	110	IHTGEKPFTCQQCGK		Carbamidomethyl (C)[10]		Mascot
1796.8319	1796.8574	0.0255	14	157	171	KPYACQHCNGSNFTRK		Carbamidomethyl (C)[5]		Mascot
2193.999	2194.0535	0.0545	25	124	142	IHTGEKPFICPQCNGCFS R		Carbamidomethyl (C)[10]		Mascot
2238.9768	2239.0947	0.1179	53	208	226	NHTGEKPFTCQQCGNGF TR		Carbamidomethyl (C)[10,13]		Mascot
2304.9893	2305.1248	0.1355	59	61	82	TSENSAQQTGPVSCFTCKECKG				Mascot
3337.531	3337.7229	0.1919	57	48	78	DLDEEGHLISGVKTSENS AQQTGPVSCFTCK		Carbamidomethyl (C)[27]		Mascot

21 suppressor of cytokine signaling 2 [Danio rerio] gi|167621492 22312.3 8.39 6 36 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1507.7314	1507.7444	0.013	9	186	197	LKDYLTDTYTNV				Mascot
1721.8049	1721.884	0.0791	46	17	31	RSQSETQVADTEQSR				Mascot
2225.0461	2225.0825	0.0364	16	18	37	SQSETQVADTEQSRIATA MR			Oxidation (M)[19]	Mascot
2225.0461	2225.0825	0.0364	16	18	37	SQSETQVADTEQSRIATA MR			Oxidation (M)[19]	Mascot
2297.24	2297.1562	-0.0838	-36	112	130	LKQFDSVVHLVEHYVQLS R				Mascot
2532.2664	2532.3743	0.1079	43	114	134	QFDSVVHLVEHYVQLSR TSCK			Carbamidomethyl (C)[20]	Mascot
3337.7573	3337.7229	-0.0344	-10	137	167	TNQIAPSNGTVQLLLTTP VYTATPSLQHLCR				Mascot
22	plexin domain containing 1 [Danio rerio]			gi 226000885		52033.5	5.83	9	36	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1023.4337	1023.4912	0.0575	56	35	44	TDGGSSDTQR				Mascot
1023.4337	1023.4912	0.0575	56	35	44	TDGGSSDTQR				Mascot
1055.552	1055.5295	-0.0225	-21	215	223	NGTIVFNYK				Mascot
1084.484	1084.5103	0.0263	24	318	326	CSDGIDRYR				Mascot
1699.7963	1699.9042	0.1079	63	181	194	YLDNGDTFVVQWWDK				Mascot
1699.7963	1699.9042	0.1079	63	181	194	YLDNGDTFVVQWWDK				Mascot
1796.9119	1796.8574	-0.0545	-30	122	136	VALTFDFPFYGHQVR				Mascot
1838.7399	1838.8696	0.1297	71	342	358	CDDYAHGGPESSNSPFR				Mascot
1954.9657	1954.8373	-0.1284	-66	181	196	YLDNGDTFVVQWDKVR				Mascot
1954.9657	1954.8373	-0.1284	-66	181	196	YLDNGDTFVVQWDKVR				Mascot
2239.1406	2239.0947	-0.0459	-20	118	136	QASRVALTDFPFYGHQ VR				Mascot
2283.0063	2283.1433	0.137	60	299	317	QCLQSNITSGCGWCNTL QR			Carbamidomethyl (C)[2,11,14]	Mascot
2283.0063	2283.1433	0.137	60	299	317	QCLQSNITSGCGWCNTL QR			Carbamidomethyl (C)[2,11,14]	Mascot
23	PREDICTED: zinc finger protein 665-like [Danio rerio]			gi 326673959		47843	9.13	12	35	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1044.5143	1044.4315	-0.0828	-79	216	223	ENLKEHMK			Oxidation (M)[7]	Mascot
1062.5149	1062.6714	0.1565	147	244	251	QNFTIHMR			Oxidation (M)[7]	Mascot

	1177.6146	1177.6218	0.0072	6	159	167	KQYLTTHMR										Mascot
	1238.5946	1238.7572	0.1626	131	220	229	EHMKIHNGEK						Oxidation (M)[3]				Mascot
	1397.6543	1397.575	-0.0793	-57	32	43	HEDPEEQTVVSK										Mascot
	1695.8424	1695.8687	0.0263	16	239	251	SFTWKQNFTIHMR										Mascot
	1711.8373	1711.8638	0.0265	15	239	251	SFTWKQNFTIHMR						Oxidation (M)[12]				Mascot
	1711.8373	1711.8638	0.0265	15	239	251	SFTWKQNFTIHMR						Oxidation (M)[12]				Mascot
	1721.8098	1721.884	0.0742	43	224	238	IHNGEKLYTCQQCGK										Mascot
	1796.88	1796.8574	-0.0226	-13	6	20	EESEDIKIEETFTVK										Mascot
	1812.8268	1812.853	0.0262	14	168	182	IHTGEKPFNCQHCGK						Carbamidomethyl (C)[10,13]				Mascot
	1812.8268	1812.853	0.0262	14	168	182	IHTGEKPFNCQHCGK						Carbamidomethyl (C)[10,13]				Mascot
	2225.0754	2225.0825	0.0071	3	32	50	HEDPEEQTVVSKENLMPVK						Oxidation (M)[16]				Mascot
	2225.0754	2225.0825	0.0071	3	32	50	HEDPEEQTVVSKENLMPVK						Oxidation (M)[16]				Mascot
	2297.0596	2297.1562	0.0966	42	332	350	DHIRMHNGEKPHACLHGK						Carbamidomethyl (C)[14,17]				Mascot
	2313.0547	2313.137	0.0823	36	332	350	DHIRMHNGEKPHACLHGK						Carbamidomethyl (C)[14,17], Oxidation (M)[5]				Mascot
	2321.0549	2321.124	0.0691	30	280	298	IHTGEKPYNCQHCEKSFSR						Carbamidomethyl (C)[10]				Mascot
24	PREDICTED: corepressor interacting with RBPJ 1, partial [Danio rerio]				gi 326670450		18483	7.63	7	35	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
801.3889	801.3394	-0.0495	-62	13	19	DFHPASK						Mascot
1062.5612	1062.6714	0.1102	104	57	65	LLMGDDRVK			Oxidation (M)[3]			Mascot
1160.6211	1160.5831	-0.038	-33	93	101	FEWQKVAPR						Mascot
1796.8068	1796.8574	0.0506	28	125	138	CIKCHNWGHVNTDR			Carbamidomethyl (C)[1,4]			Mascot
1838.9105	1838.8696	-0.0409	-22	64	80	VKNGLNFMYEAPPGASK			Oxidation (M)[8]			Mascot
2098.9749	2098.9324	-0.0425	-20	66	84	NGLNFMYEAPPGASKEE TK			Oxidation (M)[6]			Mascot
2283.0266	2283.1433	0.1167	51	139	161	ECPLFGLSGINASSMAGD EAGTV			Carbamidomethyl (C)[2]			Mascot
2283.0266	2283.1433	0.1167	51	139	161	ECPLFGLSGINASSMAGD EAGTV			Carbamidomethyl (C)[2]			Mascot
2299.0217	2299.1428	0.1211	53	139	161	ECPLFGLSGINASSMAGD EAGTV			Carbamidomethyl (C)[2], Oxidation (M)[15]			Mascot

25 transferrin [Danio rerio] gi|27464846 37480.1 6.28 9 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
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	955.4553	955.4689	0.0136	14	319	325	YIDMIER		Oxidation (M)[4]	Mascot
	1044.5143	1044.4315	-0.0828	-79	24	32	CDSLHDHVKK			Mascot
	1215.5786	1215.5762	-0.0024	-2	22	31	NKCDSLHDHVK		Carbamidomethyl (C)[3]	Mascot
	1215.5786	1215.5762	-0.0024	-2	22	31	NKCDSLHDHVK		Carbamidomethyl (C)[3]	Mascot
	1238.6012	1238.7572	0.156	126	283	293	NNDLFTSKDGK			Mascot
	1520.8365	1520.6945	-0.142	-93	252	265	CNLAQVPVHAVITR			Mascot
	1695.8622	1695.8687	0.0065	4	303	317	CLQEIKGSVDDFLTK			Mascot
	2297.0676	2297.1562	0.0886	39	226	245	DLKSEDFELICNPDPDTT MK			Mascot
	2300.1768	2300.136	-0.0408	-18	270	290	SAVVSFLSDIQSKNNDLF TSK			Mascot
	2313.0625	2313.137	0.0745	32	226	245	DLKSEDFELICNPDPDTT MK		Oxidation (M)[19]	Mascot
	3338.5085	3338.7092	0.2007	60	68	100	CGLVPVMAEQSNSQSCS SGSGGTASYAVAVVR		Carbamidomethyl (C)[1], Oxidation (M)[7]	Mascot
26	amyloid protein-binding protein 2 [Danio rerio]				gi 47086773	67035	6.38	10	34	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	955.4553	955.4689	0.0136	14	188	195	LAQSYMDK					Mascot
	1397.7504	1397.575	-0.1754	-125	162	173	AVECCVRLHVR					Mascot
	1555.8148	1555.7198	-0.095	-61	447	459	EAEEMHIKAIQIK			Oxidation (M)[5]		Mascot
	1796.849	1796.8574	0.0084	5	504	518	KLFGEYSGLEYDYR					Mascot
	1856.8921	1856.9148	0.0227	12	53	68	LCQLGAEFCELEVFAK			Carbamidomethyl (C)[2]		Mascot
	2099.0537	2098.9324	-0.1213	-58	76	92	RHLLHHCFQALMDHGVK			Carbamidomethyl (C)[7]		Mascot
	2225.1458	2225.0825	-0.0633	-28	53	71	LCQLGAEFCELEVFAKVL R			Carbamidomethyl (C)[2]		Mascot
	2225.1458	2225.0825	-0.0633	-28	53	71	LCQLGAEFCELEVFAKVL R			Carbamidomethyl (C)[2]		Mascot
	2255.1753	2255.0283	-0.147	-65	199	219	HGHQANKAALYGELCAL LFAK					Mascot
	2283.1284	2283.1433	0.0149	7	383	401	ALILEEIAIDCHNKETEER			Carbamidomethyl (C)[11]		Mascot
	2283.1284	2283.1433	0.0149	7	383	401	ALILEEIAIDCHNKETEER			Carbamidomethyl (C)[11]		Mascot
	2532.2527	2532.3743	0.1216	48	142	161	VFLSCLQLCTLHDEVLHW YR			Carbamidomethyl (C)[5]		Mascot

27 PREDICTED: hypothetical protein LOC100536452 [Danio rerio] gi|326670699 51641.8 7.55 9 34 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	870.5406	870.5206	-0.02	-23	18	24	ENLLLLR					Mascot
	925.4625	925.3301	-0.1324	-143	287	294	SISFQSEK					Mascot

	972.5585	972.5613	0.0028	3	136	143	TRPLKDSR										Mascot
	1215.5939	1215.5762	-0.0177	-15	295	304	LYPANHQMNK										Mascot
	1215.6593	1215.5762	-0.0831	-68	173	182	NFTPTVRQPR										Mascot
	1599.7584	1599.7952	0.0368	23	189	202	HSMPAFALTSHEQK					Oxidation (M)[3]					Mascot
	2232.8765	2233.0486	0.1721	77	144	162	SMDSLMSLSDCDLDCPE NK					Carbamidomethyl (C)[11,15], Oxidation (M)[2]					Mascot
	2239.0408	2239.0947	0.0539	24	103	123	SNRGSVGSLHQMSDSG YESLK										Mascot
	2255.0356	2255.0283	-0.0073	-3	103	123	SNRGSVGSLHQMSDSG YESLK					Oxidation (M)[12]					Mascot
	2298.166	2298.1514	-0.0146	-6	183	202	SLTLQRHSMPAFALTSHE QK					Oxidation (M)[9]					Mascot
28	si:dkey-24h18.2 [Danio rerio]				gi 226423852		41261.2	6.05	8	34	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1055.552	1055.5295	-0.0225	-21	116	124	NGTIVFNYK					Mascot
1084.484	1084.5103	0.0263	24	219	227	CSDGIDRYR					Mascot
1699.7963	1699.9042	0.1079	63	82	95	YLDNGDTFVVQWDK					Mascot
1699.7963	1699.9042	0.1079	63	82	95	YLDNGDTFVVQWDK					Mascot
1796.9119	1796.8574	-0.0545	-30	23	37	VALTFDFPFYGHQVR					Mascot
1838.7399	1838.8696	0.1297	71	243	259	CDDYAHGGPESSNSPFR					Mascot
1954.9657	1954.8373	-0.1284	-66	82	97	YLDNGDTFVVQWDKVR					Mascot
1954.9657	1954.8373	-0.1284	-66	82	97	YLDNGDTFVVQWDKVR					Mascot
2239.1406	2239.0947	-0.0459	-20	19	37	QASRVALTFDFPFYGHQ VR					Mascot
2283.0063	2283.1433	0.137	60	200	218	QCLQSNITSGCGWCNTL QR			Carbamidomethyl (C)[2,11,14]		Mascot
2283.0063	2283.1433	0.137	60	200	218	QCLQSNITSGCGWCNTL QR			Carbamidomethyl (C)[2,11,14]		Mascot

29 signal-induced proliferation-associated 1-like protein 1 [Danio rerio] gi|113462023 187789.3 8.87 17 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.3671	801.3394	-0.0277	-35	999	1005	GCSELHR					Mascot
856.5363	856.5086	-0.0277	-32	1676	1682	LQAQIKR					Mascot
864.4495	864.4752	0.0257	30	556	562	VTEQLMK			Oxidation (M)[6]		Mascot
1055.5956	1055.5295	-0.0661	-63	1526	1535	SPTTRGAPLR					Mascot
1177.592	1177.6218	0.0298	25	1472	1483	LSSSGPSSSGRR					Mascot
1215.6997	1215.5762	-0.1235	-102	793	802	FPFISLAHKR					Mascot

	1215.6997	1215.5762	-0.1235	-102	793	802	FPFISLAHKR										Mascot
	1238.6376	1238.7572	0.1196	97	781	792	HVTSTPIDPSGK										Mascot
	1397.6267	1397.575	-0.0517	-37	1608	1619	GFMFSSQDVSHR										Mascot
	1599.8965	1599.7952	-0.1013	-63	985	998	VVIIPPHEDATPRR										Mascot
	1721.8817	1721.884	0.0023	1	1402	1417	KPGSTINSVDFGDTRK										Mascot
	1812.8268	1812.853	0.0262	14	1605	1619	MQRGFMFSSQDVSHR										Mascot
	1812.8915	1812.853	-0.0385	-21	440	454	SNILEHVDLGAYYYR										Mascot
	1970.9965	1970.8354	-0.1611	-82	1141	1158	QKSMPEGDLHTTGTLRS	3		0							Mascot
	1970.9965	1970.8354	-0.1611	-82	1141	1158	QKSMPEGDLHTTGTLRS										Mascot
	2225.0364	2225.0825	0.0461	21	1545	1564	MHGDLSASDTSLADLHDRQR										Mascot
	2225.0364	2225.0825	0.0461	21	1545	1564	MHGDLSASDTSLADLHDRQR										Mascot
	2233.1709	2233.0486	-0.1223	-55	1639	1660	LSPSEGPPSSYGKVSQLEALVK										Mascot
	2255.0647	2255.0283	-0.0364	-16	1036	1057	TSSSPQQSLTASPQSHSGTPNR										Mascot
	2300.0725	2300.136	0.0635	28	640	658	DYEIMFHVSTMLPYTPNNK										Mascot
30	PREDICTED: hypothetical protein LOC100004944 [Danio rerio]					gi 125854141	69244.2	6.33	10	33	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	972.5472	972.5613	0.0141	14	91	98	NKNDLIQK					Mascot
	1023.533	1023.4912	-0.0418	-41	133	140	RDENKPHK					Mascot
	1023.533	1023.4912	-0.0418	-41	133	140	RDENKPHK					Mascot
	1045.452	1045.5414	0.0894	86	472	479	CHYSDHVK			Carbamidomethyl (C)[1]		Mascot
	1259.6525	1259.5557	-0.0968	-77	299	309	EAQIKCALNGR			Carbamidomethyl (C)[6]		Mascot
	1599.8588	1599.7952	-0.0636	-40	376	389	ISDLQLVGQEQK					Mascot
	1796.9211	1796.8574	-0.0637	-35	234	249	IDDLTHEINAVCLVNK					Mascot
	1838.9503	1838.8696	-0.0807	-44	153	168	TTLVNMVNMYMLGVER					Mascot
	2211.1147	2211.0671	-0.0476	-22	153	171	TTLVNMVNMYMLGVERE DK					Mascot
	2239.2485	2239.0947	-0.1538	-69	278	298	IVLLFTHSDFPPSNALIA VK					Mascot
	2283.2595	2283.1433	-0.1162	-51	544	563	IALNTDSLNTLLHIDFLIEK					Mascot
	2283.2595	2283.1433	-0.1162	-51	544	563	IALNTDSLNTLLHIDFLIEK					Mascot
31	PREDICTED: disco-interacting protein 2 homolog C [Danio rerio]					gi 189536803	170745	7.39	16	33	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.457	856.5086	0.0516	60	1534	1539	QRMHLR			Oxidation (M)[3]		Mascot
882.4501	882.5478	0.0977	111	581	587	VCQYKGK			Carbamidomethyl (C)[2]		Mascot
996.4852	996.5762	0.091	91	1014	1021	IATMLMER			Oxidation (M)[4,6]		Mascot
996.4852	996.5762	0.091	91	1014	1021	IATMLMER			Oxidation (M)[4,6]		Mascot
1045.5887	1045.5414	-0.0473	-45	1242	1251	GLGLQTESLK					Mascot
1084.615	1084.5103	-0.1047	-97	572	580	VNPLSWIQK					Mascot
1165.567	1165.7233	0.1563	134	1166	1174	LQCELYPSR			Carbamidomethyl (C)[3]		Mascot
1555.7356	1555.7198	-0.0158	-10	1152	1165	MSHTATSAFCRSIK			Oxidation (M)[1]		Mascot
1599.8271	1599.7952	-0.0319	-20	370	383	LGTKQEPMVRPGDR			Oxidation (M)[8]		Mascot
1699.7012	1699.9042	0.203	119	1228	1241	DTFCSYSVMELCTK			Carbamidomethyl (C)[4], Oxidation (M)[9]		Mascot
1699.7012	1699.9042	0.203	119	1228	1241	DTFCSYSVMELCTK			Carbamidomethyl (C)[4], Oxidation (M)[9]		Mascot
1954.8707	1954.8373	-0.0334	-17	1226	1241	VRDTFCSYSVMELCTK			Carbamidomethyl (C)[6], Oxidation (M)[11]		Mascot
1955.0378	1954.8373	-0.2005	-103	930	948	QPEIGPASVMVGNLVSG KR			Oxidation (M)[10]		Mascot
2211.1074	2211.0671	-0.0403	-18	676	695	GVLSMQGLSYGVIRVDS EER			Oxidation (M)[5]		Mascot
2283.092	2283.1433	0.0513	22	236	257	YGNAELMETGDGVPVSS RVSAK			Oxidation (M)[7]		Mascot
2283.092	2283.1433	0.0513	22	236	257	YGNAELMETGDGVPVSS RVSAK			Oxidation (M)[7]		Mascot
2313.2053	2313.137	-0.0683	-30	642	663	GLRPEVICPCASSAEALT VAIR			Carbamidomethyl (C)[8]		Mascot
2532.2478	2532.3743	0.1265	50	753	774	NTFEVFPMTISGAPISEYP FIR			Oxidation (M)[8]		Mascot
3338.7341	3338.7092	-0.0249	-7	1121	1151	KPPQLYKPSNPDTLAYLD FSVSTTGMLAGVK					Mascot
3354.729	3354.7192	-0.0098	-3	1121	1151	KPPQLYKPSNPDTLAYLD FSVSTTGMLAGVK			Oxidation (M)[26]		Mascot
32	immunoglobulin mu heavy chain [Danio rerio]			gi 51559382		24154.7	8.14	6	33	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.4253	801.3394	-0.0859	-107	174	180	WKDPAGK					Mascot
864.4097	864.4752	0.0655	76	208	214	SDWIDTK					Mascot
1397.673	1397.575	-0.098	-70	16	27	CQTFTQSEAVVK			Carbamidomethyl (C)[1]		Mascot
1856.9471	1856.9148	-0.0323	-17	1	15	MFHIFMILSILSCTK			Carbamidomethyl (C)[13], Oxidation (M)[1]		Mascot
1954.9545	1954.8373	-0.1172	-60	176	193	DPAGKDLSDFVQYPAFG K					Mascot
1954.9545	1954.8373	-0.1172	-60	176	193	DPAGKDLSDFVQYPAFG K					Mascot
3337.6851	3337.7229	0.0378	11	59	87	ALEWIAYISTQSSPIYYSQ					Mascot

33 glutathione S-transferase, C-terminal domain containing gi|255003839 67751.6 6.97 10 33 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.493	870.5206	0.0276	32	76	83	DELPGLVK					Mascot
955.4479	955.4689	0.021	22	3	10	QTDPECHK					Mascot
990.4495	990.3634	-0.0861	-87	113	120	ACQLMPDR			Carbamidomethyl (C)[2]		Mascot
996.522	996.5762	0.0542	54	186	193	VHNDKIR					Mascot
996.522	996.5762	0.0542	54	186	193	VHNDKIR					Mascot
1045.571	1045.5414	-0.0296	-28	446	454	CQVILVENK					Mascot
1177.5817	1177.6218	0.0401	34	571	580	RCMGLVLDLR					Mascot
1856.9033	1856.9148	0.0115	6	538	552	FAETLSYKEHMILCR			Oxidation (M)[11]		Mascot
2305.2563	2305.1248	-0.1315	-57	284	302	THSPSTLSHLPLLLRWYQ R					Mascot
2313.1479	2313.137	-0.0109	-5	546	565	EHMILCRFADQTAVSLPP ER					Mascot
2532.2559	2532.3743	0.1184	47	507	529	CLQARAGFVISPCCYGFI QNTLK					Mascot

34 TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor [Danio rerio] gi|122891283 63624.9 8.9 10 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4385	850.5236	0.0851	100	146	151	MRMKPR			Oxidation (M)[1,3]		Mascot
870.5294	870.5206	-0.0088	-10	75	82	VPLDVSLK					Mascot
1160.627	1160.5831	-0.0439	-38	132	143	GQSAVSAEVKKG					Mascot
1165.6464	1165.7233	0.0769	66	298	307	TFTKALLDEK					Mascot
1397.6664	1397.575	-0.0914	-65	271	282	DFAARLMAQSCK			Carbamidomethyl (C)[11]		Mascot
1599.7319	1599.7952	0.0633	40	572	586	LECSESPATSTQLPH					Mascot
1711.8973	1711.8638	-0.0335	-20	283	297	TFSTTTNNIQSRIK					Mascot
1711.8973	1711.8638	-0.0335	-20	283	297	TFSTTTNNIQSRIK					Mascot
2247.2715	2247.0559	-0.2156	-96	209	227	VNVVQNNLALLIYLMRMV K			Oxidation (M)[15]		Mascot
2297.207	2297.1562	-0.0508	-22	370	389	HCASVVAKTRPVPDLVE QYK			Carbamidomethyl (C)[2]		Mascot
2313.1914	2313.137	-0.0544	-24	27	45	LKNVEPLYGFQSEEFIPF R					Mascot

35 PREDICTED: hypothetical protein LOC572219 [Danio rerio] gi|292613753 117863.8 9.16 14 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4417	850.5236	0.0819	96	90	96	DVVFQSR					Mascot
864.3879	864.4752	0.0873	101	600	608	GCTSGSPAK			Carbamidomethyl (C)[2]		Mascot
882.4427	882.5478	0.1051	119	309	317	ASGQAPHSK					Mascot
1062.5942	1062.6714	0.0772	73	968	976	AERVPSIYK					Mascot
1084.5607	1084.5103	-0.0504	-46	657	666	SAHNSRSIGR					Mascot
1177.6324	1177.6218	-0.0106	-9	555	564	KDPHPLSIDR					Mascot
1397.6503	1397.575	-0.0753	-54	414	427	RLSGDSDSSTASSK					Mascot
1466.6957	1466.8621	0.1664	113	297	308	CAAYAHRYQQAQ			Carbamidomethyl (C)[1]		Mascot
1507.7512	1507.7444	-0.0068	-5	62	74	HANNVNRAAHEFK					Mascot
1555.826	1555.7198	-0.1062	-68	75	89	ANCPDAALSLRIPSK					Mascot
1711.8107	1711.8638	0.0531	31	309	325	ASGQAPHSKSSSTHSSR					Mascot
1711.8107	1711.8638	0.0531	31	309	325	ASGQAPHSKSSSTHSSR					Mascot
1796.7802	1796.8574	0.0772	43	809	825	GGLTNGGMMEGERWGG R			Oxidation (M)[8,9]		Mascot
2255.0298	2255.0283	-0.0015	-1	278	296	VGGGWDTLEHYLDKHDP CR			Carbamidomethyl (C)[18]		Mascot
2313.1445	2313.137	-0.0075	-3	272	291	THVMVRVGGGWDTLEH YLDK					Mascot

36 novel protein (zgc:175284) [Danio rerio] gi|220672690 49638.2 8.91 11 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
820.3076	820.1981	-0.1095	-133	92	97	CSHCEK			Carbamidomethyl (C)[1,4]		Mascot
1044.5143	1044.4315	-0.0828	-79	2	10	SDPEPCRIK					Mascot
1160.6245	1160.5831	-0.0414	-36	257	265	NYHNLMIKK					Mascot
1599.7496	1599.7952	0.0456	29	27	39	EELSEDEEKHQVK					Mascot
1812.8168	1812.853	0.0362	20	40	55	SESETQSETENSILMK					Mascot
1812.8519	1812.853	0.0011	1	201	215	IHTGEKPYKCPHCDK			Carbamidomethyl (C)[10]		Mascot
2098.9644	2098.9324	-0.032	-15	266	283	EESVHSKEKPHSCSLCG K			Carbamidomethyl (C)[13,16]		Mascot
2193.9587	2194.0535	0.0948	43	294	311	HQMVHTDEKPHKCDQC GK			Carbamidomethyl (C)[13], Oxidation (M)[3]		Mascot
2299.0571	2299.1428	0.0857	37	139	158	NVHNLIVVEESDDVSEDE EK					Mascot
2305.0977	2305.1248	0.0271	12	36	55	HQVKSESETQSETENSIL MK					Mascot
2313.0762	2313.137	0.0608	26	40	60	SESETQSETENSILMKET AAK					Mascot
2321.0925	2321.124	0.0315	14	36	55	HQVKSESETQSETENSIL			Oxidation (M)[19]		Mascot

37 PREDICTED: hypothetical protein LOC100535959 [Danio rerio] MK gi|326679206 3892.8 4.69 4 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
990.4747	990.3634	-0.1113	-112	1	8	MTVLHMDK			Oxidation (M)[1]		Mascot
1160.5793	1160.5831	0.0038	3	24	34	GKQDGLDLTDV					Mascot
1796.7942	1796.8574	0.0632	35	9	23	ETHTVDCFCCKIEESR					Mascot
2210.9702	2211.0671	0.0969	44	1	18	MTVLHMDKETHTVDCFC K			Carbamidomethyl (C)[15], Oxidation (M)[1]		Mascot
2283.9866	2284.1338	0.1472	64	1	18	MTVLHMDKETHTVDCFC K			Carbamidomethyl (C)[15,17], Oxidation (M)[1,6]		Mascot

38 muskelin [Danio rerio] gi|47086651 84322.2 5.91 12 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4781	850.5236	0.0455	53	333	339	QIYTLGR					Mascot
925.3866	925.3301	-0.0565	-61	325	331	MCIDSQR			Carbamidomethyl (C)[2], Oxidation (M)[1]		Mascot
1023.5145	1023.4912	-0.0233	-23	609	616	LDDFWSLK					Mascot
1023.5145	1023.4912	-0.0233	-23	609	616	LDDFWSLK					Mascot
1084.5997	1084.5103	-0.0894	-82	642	651	AQTEPLNALK					Mascot
1215.5535	1215.5762	0.0227	19	314	324	ESGPSARSCHK			Carbamidomethyl (C)[9]		Mascot
1215.5535	1215.5762	0.0227	19	314	324	ESGPSARSCHK			Carbamidomethyl (C)[9]		Mascot
1259.6776	1259.5557	-0.1219	-97	167	176	EQEAIRLCLK			Carbamidomethyl (C)[8]		Mascot
1520.6282	1520.6945	0.0663	44	437	450	EDSCNAGPEDIQSR					Mascot
1599.7657	1599.7952	0.0295	18	115	126	IDEQMFPICRFK			Carbamidomethyl (C)[8], Oxidation (M)[5]		Mascot
2194.2278	2194.0535	-0.1743	-79	196	213	IALEHPMLTHLHERLVLR			Oxidation (M)[7]		Mascot
2225.0947	2225.0825	-0.0122	-5	702	720	TQLFDTLVNFFPDNMTTP K					Mascot
2225.0947	2225.0825	-0.0122	-5	702	720	TQLFDTLVNFFPDNMTTP K					Mascot
2233.0408	2233.0486	0.0078	3	682	701	SSSDFIPLGFSDVDQTYA QR					Mascot
2298.1626	2298.1514	-0.0112	-5	226	244	AVRDGLFNQYISQQDYK PR					Mascot

39 Zgc:175171 protein [Danio rerio] gi|161612243 31520.2 9.32 9 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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801.3737	801.3394	-0.0343	-43	94	101	EQDGPAGK						Mascot
1507.7244	1507.7444	0.02	13	70	81	EMRPSEDMQLKK					Oxidation (M)[2]	Mascot
1599.7366	1599.7952	0.0586	37	15	30	MMSPLGPASAHGSGQR					Oxidation (M)[1]	Mascot
1711.8367	1711.8638	0.0271	16	14	30	KMMSPLGPASAHGSGQ R						Mascot
1711.8367	1711.8638	0.0271	16	14	30	KMMSPLGPASAHGSGQ R						Mascot
2193.9661	2194.0535	0.0874	40	193	211	HSLTHTGVKPYACSMCD MR					Carbamidomethyl (C)[13]	Mascot
2210.9087	2211.0671	0.1584	72	221	239	HSLTHTGEKPFACDMCD MR					Oxidation (M)[15,18]	Mascot
2225.124	2225.0825	-0.0415	-19	36	55	GTQGHMVLPTSMTCPL LLR					Carbamidomethyl (C)[14], Oxidation (M)[6]	Mascot
2225.124	2225.0825	-0.0415	-19	36	55	GTQGHMVLPTSMTCPL LLR					Carbamidomethyl (C)[14], Oxidation (M)[6]	Mascot
2255.0881	2255.0283	-0.0598	-27	137	155	HILIHTGEKPFACAVCD R					Carbamidomethyl (C)[13,16]	Mascot
2282.9773	2283.1433	0.166	73	165	183	HSLTHTGVKPYACSMCD MR					Carbamidomethyl (C)[13,16], Oxidation (M)[15,18]	Mascot
2282.9773	2283.1433	0.166	73	193	211	HSLTHTGVKPYACSMCD MR					Carbamidomethyl (C)[13,16], Oxidation (M)[15,18]	Mascot
2297.1465	2297.1562	0.0097	4	136	155	RHILIHTGEKPFACAVCD MR						Mascot
2313.1414	2313.137	-0.0044	-2	136	155	RHILIHTGEKPFACAVCD MR					Oxidation (M)[19]	Mascot

40 PREDICTED: mitogen-activated protein kinase kinase
kinase 2-like [Danio rerio]

gi|68361880 69346.8 6.37 10 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
972.522	972.5613	0.0393	40	39	46	NQNDVRVK					Mascot
1084.5647	1084.5103	-0.0544	-50	353	361	SPRAPTNWR					Mascot
1215.6077	1215.5762	-0.0315	-26	34	44	ASSPKNQNDVR					Mascot
1215.6077	1215.5762	-0.0315	-26	34	44	ASSPKNQNDVR					Mascot
1259.5725	1259.5557	-0.0168	-13	374	384	VFLCYDADTGR					Mascot
1397.757	1397.575	-0.182	-130	101	112	AVELLDRSVHMK					Mascot
1813.0217	1812.853	-0.1687	-93	55	70	ILQFPRPVSLLEDLSAK					Mascot
1813.0217	1812.853	-0.1687	-93	55	70	ILQFPRPVSLLEDLSAK					Mascot
1856.921	1856.9148	-0.0062	-3	374	389	VFLCYDADTGRELAVK			Carbamidomethyl (C)[4]		Mascot
1955.092	1954.8373	-0.2547	-130	20	38	SSRPSVLSDLAKPKASSP K					Mascot
1955.092	1954.8373	-0.2547	-130	20	38	SSRPSVLSDLAKPKASSP K					Mascot
2255.1191	2255.0283	-0.0908	-40	130	149	DLLPTHDILDNTDFSAPD KK					Mascot
2284.0989	2284.1338	0.0349	15	431	450	DTHEKTLISIFMEYMPGGS IK					Mascot
2300.0938	2300.136	0.0422	18	431	450	DTHEKTLISIFMEYMPGGS			Oxidation (M)[11]		Mascot

41 PREDICTED: zinc finger protein 569-like [Danio rerio] IK
gi|326667010 33962.6 9.76 10 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4553	842.4925	0.0372	44	281	287	SLINHMK					Mascot
1051.5453	1051.6935	0.1482	141	248	256	SLTCKDSIK			Carbamidomethyl (C)[4]		Mascot
1062.5149	1062.6714	0.1565	147	172	179	QNFTIHMR			Oxidation (M)[7]		Mascot
1215.5535	1215.5762	0.0227	19	142	151	QNGNLETHMR			Oxidation (M)[9]		Mascot
1215.5535	1215.5762	0.0227	19	142	151	QNGNLETHMR			Oxidation (M)[9]		Mascot
1507.7764	1507.7444	-0.032	-21	111	123	SFYSTGNLAVHRR					Mascot
1520.8002	1520.6945	-0.1057	-70	281	293	SLINHMKLHNGEK					Mascot
1695.769	1695.8687	0.0997	59	152	165	THTGERSFICTQCR			Carbamidomethyl (C)[10]		Mascot
1954.9625	1954.8373	-0.1252	-64	79	95	QCGKSFYITGNLTVHMR					Mascot
1954.9625	1954.8373	-0.1252	-64	79	95	QCGKSFYITGNLTVHMR					Mascot
1970.9575	1970.8354	-0.1221	-62	79	95	QCGKSFYITGNLTVHMR			Oxidation (M)[16]		Mascot
1970.9575	1970.8354	-0.1221	-62	79	95	QCGKSFYITGNLTVHMR			Oxidation (M)[16]		Mascot
2297.9744	2298.1514	0.177	77	228	247	ARIMNHMNGHTGTTCDCGK			Carbamidomethyl (C)[15,18]		Mascot
3354.5928	3354.7192	0.1264	38	83	110	SFYITGNLTVHMRHTGE RPYTCCQCGK			Carbamidomethyl (C)[23,26]		Mascot

42 novel protein similar to vertebrate kinesin family member 5A (KIF5A) [Danio rerio] IK
gi|169158591 96952.9 5.41 12 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.5117	882.5478	0.0361	41	596	602	LYISKMK					Mascot
955.4665	955.4689	0.0024	3	314	321	STLMFGQR			Oxidation (M)[4]		Mascot
1062.5942	1062.6714	0.0772	73	804	812	LFVQDLATR					Mascot
1160.5793	1160.5831	0.0038	3	241	252	TGAEGAVLDEAK					Mascot
1238.6449	1238.7572	0.1123	91	426	435	CEVELGKLYK			Carbamidomethyl (C)[1]		Mascot
1599.6998	1599.7952	0.0954	60	1	14	MADPAECTIKVMCR			Oxidation (M)[1,12]		Mascot
1711.7439	1711.8638	0.1199	70	815	831	KSAEMDSDETGGSAQK					Mascot
1711.7439	1711.8638	0.1199	70	815	831	KSAEMDSDETGGSAQK					Mascot
1733.8527	1733.8379	-0.0148	-9	327	341	NTVCVNVELTAEQWK					Mascot
1812.9338	1812.853	-0.0808	-45	144	159	DLLDVSKTNLSVHEDK					Mascot
1812.9338	1812.853	-0.0808	-45	144	159	DLLDVSKTNLSVHEDK					Mascot

		1838.8674	1838.8696	-0.0022	1	188	203	SNRHVAVTNMNEHSSR						Mascot
		1970.9198	1970.8354	-0.0844	-43	296	313	TTIVICCSPSAFNEAETK	3	0	Carbamidomethyl (C)[6]		Mascot	
		1970.9198	1970.8354	-0.0844	-43	296	313	TTIVICCSPSAFNEAETK			Carbamidomethyl (C)[6]		Mascot	
		2284.1819	2284.1338	-0.0481	-21	257	278	VLSLGNVISALAEGSTY VPYR					Mascot	
43	Josephin-1 [Danio rerio]					gij 115497592		26182.5	9.34	6	30	0		
	Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification	Rank Result Type	
		1051.5908	1051.6935	0.1027	98	170	177	RQHWIGVR					Mascot	
		1721.825	1721.884	0.059	34	10	25	GRGVGGFQELGCMPPWK					Mascot	
		1838.8927	1838.8696	-0.0231	-13	12	28	GVGGFQELGCMPPWKS K				Oxidation (M)[11]	Mascot	
		2194.0742	2194.0535	-0.0207	-9	108	127	NMLGNGNYDVNVIMAAL QTR					Mascot	
		2233.0818	2233.0486	-0.0332	-15	67	86	ELCALHALNNVFQDGAA FSR				Carbamidomethyl (C)[3]	Mascot	
		2255.1377	2255.0283	-0.1094	-49	214	232	NCELLLVSEEVEVHQT WK					Mascot	
44	novel protein (zgc:175284) [Danio rerio]					gij 220672689		29493.2	7.07	8	30	0		
	Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification	Rank Result Type	
		820.3076	820.1981	-0.1095	-133	92	97	CSHCEK				Carbamidomethyl (C)[1,4]	Mascot	
		1044.5143	1044.4315	-0.0828	-79	2	10	SDPEPCRIK					Mascot	
		1599.7496	1599.7952	0.0456	29	27	39	EELSEDEEKHQVK					Mascot	
		1812.8168	1812.853	0.0362	20	40	55	SESETQSETENSILMK					Mascot	
		1812.8519	1812.853	0.0011	1	201	215	IHTGEKPYKCPHC DK				Carbamidomethyl (C)[10]	Mascot	
		2299.0571	2299.1428	0.0857	37	139	158	NVHNLIIVEESDDVSEDE EK					Mascot	
		2305.0977	2305.1248	0.0271	12	36	55	HQVKSESETQSETENSIL MK					Mascot	
		2313.0762	2313.137	0.0608	26	40	60	SESETQSETENSILMKET AAK					Mascot	
		2321.0925	2321.124	0.0315	14	36	55	HQVKSESETQSETENSIL MK				Oxidation (M)[19]	Mascot	
45	Si:ch211-235e18.3 protein [Danio rerio]					gij 63100921		59580.1	8.4	9	30	0		
	Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification	Rank Result Type	
		864.4686	864.4752	0.0066	8	306	312	VTEGRFR					Mascot	

1044.587	1044.4315	-0.1555	-149	328	336	MLVVDPAKR	Oxidation (M)[1]	Mascot
1084.6626	1084.5103	-0.1523	-140	150	158	LLNHPIIK		Mascot
1177.5089	1177.6218	0.1129	96	6	15	QVCPSSCSR	Carbamidomethyl (C)[3,8]	Mascot
1813.0516	1812.853	-0.1986	-110	144	158	EVQIMKLLNHPIIK		Mascot
1813.0516	1812.853	-0.1986	-110	144	158	EVQIMKLLNHPIIK		Mascot
1856.9033	1856.9148	0.0115	6	313	327	IPFFMSQDCENLIRK	Oxidation (M)[5]	Mascot
2247.0493	2247.0559	0.0066	3	19	40	GSLGPTMCPSSLQSSS GPRER	Oxidation (M)[7]	Mascot
2305.0249	2305.1248	0.0999	43	433	453	SRTASDSSTPEVIMESSD SFR	Oxidation (M)[14]	Mascot
2320.9922	2321.124	0.1318	57	178	197	NGEMFDYLTSGRMRSEN EAR		Mascot

46 Zgc:77174 protein [Danio rerio] gi|33416597 80327.9 9.07 11 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4227	842.4925	0.0698	83	699	706	GGDGQPRR					Mascot
925.4486	925.3301	-0.1185	-128	249	255	SRDTYQR					Mascot
1165.567	1165.7233	0.1563	134	515	524	FSTPADPKMR			Oxidation (M)[9]		Mascot
1466.691	1466.8621	0.1711	117	616	627	DSVDINNYVNWK					Mascot
1520.7605	1520.6945	-0.066	-43	707	718	SRPTQQYYQPPR					Mascot
1555.7281	1555.7198	-0.0083	-5	71	83	DHEESQAAPRMLR			Oxidation (M)[11]		Mascot
1711.769	1711.8638	0.0948	55	1	15	LTDEGIEECKSSSEK			Carbamidomethyl (C)[9]		Mascot
1711.8801	1711.8638	-0.0163	-10	161	177	NIGAEGGPPPFVFGQK					Mascot
1733.8564	1733.8379	-0.0185	-11	564	580	AGGVSNTPLPNGDLEHR					Mascot
2194.063	2194.0535	-0.0095	-4	84	103	VQMTDGHTACTGLEFKQ LSK					Mascot
2211.0354	2211.0671	0.0317	14	81	99	MLRVQMTDGHTACTGLE FK			Carbamidomethyl (C)[13], Oxidation (M)[1]		Mascot

47 RNA binding motif protein [Danio rerio] gi|37595358 30616.8 9.84 8 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.3889	801.3394	-0.0495	-62	215	221	DYGPPPR					Mascot
864.4355	864.4752	0.0397	46	179	185	DSLMSRR					Mascot
990.4672	990.3634	-0.1038	-105	1	9	MAEADRP GK			Oxidation (M)[1]		Mascot
1160.5551	1160.5831	0.028	24	131	141	GMSSRGPPPMK			Oxidation (M)[2]		Mascot
1215.5898	1215.5762	-0.0136	-11	156	167	SAPSGPMGRPSR			Oxidation (M)[7]		Mascot
1215.5898	1215.5762	-0.0136	-11	156	167	SAPSGPMGRPSR			Oxidation (M)[7]		Mascot

	1259.5399	1259.5557	0.0158	13	244	255	GYSDRDGYGGGR										Mascot
	1733.8929	1733.8379	-0.055	-32	81	95	VEQATKPQFETSGRR										Mascot
	2233.1458	2233.0486	-0.0972	-44	2	22	AEADRPGLKFIGLNTET SEK										Mascot
48	novel NACHT domain containing protein [Danio rerio]					gi 169154603	89510.1	5.45	11	29	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
925.4261	925.3301	-0.096	-104	658	665	SVFDQDSK					Mascot
955.5207	955.4689	-0.0518	-54	761	768	EIQTHLSK					Mascot
1062.5803	1062.6714	0.0911	86	552	559	FQIQQSRR					Mascot
1507.6919	1507.7444	0.0525	35	609	621	ASVYSGMCTQIFK			Carbamidomethyl (C)[8], Oxidation (M)[7]		Mascot
1555.7095	1555.7198	0.0103	7	515	528	NNDVKHNQADDASK					Mascot
1599.8125	1599.7952	-0.0173	-11	682	695	ALESDNGHLDLFLR					Mascot
1812.9564	1812.853	-0.1034	-57	193	207	EAALDLTLYLFLREMK					Mascot
1812.9564	1812.853	-0.1034	-57	193	207	EAALDLTLYLFLREMK					Mascot
2225.0173	2225.0825	0.0652	29	14	34	HSVSDSCVSGSVSVKSD CSK			Carbamidomethyl (C)[8,19]		Mascot
2225.0173	2225.0825	0.0652	29	14	34	HSVSDSCVSGSVSVKSD CSK			Carbamidomethyl (C)[8,19]		Mascot
2255.0317	2255.0283	-0.0034	-2	30	50	SDCSKDGDLPNFSVEKP MSAK					Mascot
2284.178	2284.1338	-0.0442	-19	352	370	EKETLSLMELITQFFPETK					Mascot
2298.1812	2298.1514	-0.0298	-13	541	558	TLTQMYTHFLRFQIQSR					Mascot
2300.1731	2300.136	-0.0371	-16	352	370	EKETLSLMELITQFFPETK			Oxidation (M)[8]		Mascot

49 Ppp1r3b protein [Danio rerio] gi|190337192 33606.4 5.74 7 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
925.4308	925.3301	-0.1007	-109	267	274	YGSPRCR					Mascot
972.5658	972.5613	-0.0045	-5	57	65	ALMIPGRAK			Oxidation (M)[3]		Mascot
1051.5782	1051.6935	0.1153	110	157	165	NISFEKSVK					Mascot
1699.76	1699.9042	0.1442	85	132	145	IENDHVCLEHCMLK			Oxidation (M)[12]		Mascot
1699.76	1699.9042	0.1442	85	132	145	IENDHVCLEHCMLK			Oxidation (M)[12]		Mascot
1721.9697	1721.884	-0.0857	-50	67	82	HVSFADHKGLALTIVK					Mascot
2211.1001	2211.0671	-0.033	-15	2	20	PIELAMSLYLSSDEFLNP R			Oxidation (M)[6]		Mascot
2284.0703	2284.1338	0.0635	28	168	185	ITFDTWKNHTDVECQYVK			Carbamidomethyl (C)[14]		Mascot

50 PREDICTED: hypothetical protein LOC794259 [Danio rerio] gi|292619409 289002.1 6.76 1 23 0

rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1215.6038	1215.5762	-0.0276	-23	611	621	DTGQCPLKEPK	23	0		2	Mascot

Gel Idx/Pos	230/J6	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	glyceraldehyde-3-phosphate dehydrogenase [Danio rerio]	gi 169403947	35761.3	8.2	9	593	100	545	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
811.413	811.3922	-0.0208	-26	226	232	LTGMAFR			Oxidation (M)[4]		Mascot
1495.8479	1495.8064	-0.0415	-28	233	246	VPTPNVSVVDLTVR					Mascot
1495.8479	1495.8064	-0.0415	-28	233	246	VPTPNVSVVDLTVR	114	100			Mascot
1572.838	1572.7936	-0.0444	-28	65	78	LVIDGHAITVYSER					Mascot
1572.838	1572.7936	-0.0444	-28	65	78	LVIDGHAITVYSER	88	100			Mascot
1763.8024	1763.7555	-0.0469	-27	308	321	LVTWYDNEFGYSNR					Mascot
1763.8024	1763.7555	-0.0469	-27	308	321	LVTWYDNEFGYSNR	120	100			Mascot
1861.9442	1861.8936	-0.0506	-27	290	307	SSIFDAGAGIALNDHFVK	122	100			Mascot
1861.9442	1861.8936	-0.0506	-27	290	307	SSIFDAGAGIALNDHFVK					Mascot
2211.0134	2211.0793	0.0659	30	270	289	GILGYTEHQVVSTDFNGD CR					Mascot
2231.0867	2231.0825	-0.0042	-2	85	105	WGDAGATYVVESTGVFT TIEK					Mascot
2245.0991	2245.0493	-0.0498	-22	117	137	VII SAPSADAPMFVMGVN HEK			Oxidation (M)[12, 15]		Mascot
2268.0349	2267.9756	-0.0593	-26	270	289	GILGYTEHQVVSTDFNGD CR	102	100	Carbamidomethyl (C)[19]		Mascot
2268.0349	2267.9756	-0.0593	-26	270	289	GILGYTEHQVVSTDFNGD CR			Carbamidomethyl (C)[19]		Mascot
2616.3701	2616.3196	-0.0505	-19	161	184	VINDNFVIVEGLMSTVHAI TATQK			Oxidation (M)[13]		Mascot

2	Gapdh protein [Danio rerio]	gi 92097970	38443.6	7.29	8	464	100	426	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	811.413	811.3922	-0.0208	-26	249	255	LTGMAFR					Oxidation (M)[4]	Mascot
	1495.8479	1495.8064	-0.0415	-28	256	269	VPTPNVSVVDLTVR						Mascot
	1495.8479	1495.8064	-0.0415	-28	256	269	VPTPNVSVVDLTVR	114	100				Mascot
	1572.838	1572.7936	-0.0444	-28	88	101	LVIDGHAITVYSER						Mascot
	1572.838	1572.7936	-0.0444	-28	88	101	LVIDGHAITVYSER	88	100				Mascot
	1861.9442	1861.8936	-0.0506	-27	313	330	SSIFDAGAGIALNDHFVK	122	100				Mascot
	1861.9442	1861.8936	-0.0506	-27	313	330	SSIFDAGAGIALNDHFVK						Mascot
	2211.0134	2211.0793	0.0659	30	293	312	GILGYTEHQVVSTDFNGD CR						Mascot
	2231.0867	2231.0825	-0.0042	-2	108	128	WGDAGATYVVESTGVFT TIEK						Mascot
	2245.0991	2245.0493	-0.0498	-22	140	160	VIISAPSADAPMFVMGVN HEK				Oxidation (M)[12,15]		Mascot
	2268.0349	2267.9756	-0.0593	-26	293	312	GILGYTEHQVVSTDFNGD CR	102	100		Carbamidomethyl (C)[19]		Mascot
	2268.0349	2267.9756	-0.0593	-26	293	312	GILGYTEHQVVSTDFNGD CR				Carbamidomethyl (C)[19]		Mascot
	2616.3701	2616.3196	-0.0505	-19	184	207	VINDNFVIVEGLMSTVHAI TATQK				Oxidation (M)[13]		Mascot
3	40S ribosomal protein S3a [Danio rerio]					gi 41152457	30179.9	9.75	10	272	100	233	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	842.3932	842.4849	0.0917	109	110	116	MCSMVKK				Oxidation (M)[1]		Mascot	
	919.4818	919.4553	-0.0265	-29	35	42	APAMFNIR						Mascot	
	935.4767	935.45	-0.0267	-29	35	42	APAMFNIR				Oxidation (M)[4]		Mascot	
	938.4941	938.4674	-0.0267	-28	129	136	TTDGYLLR						Mascot	
	1217.6022	1217.5714	-0.0308	-25	153	162	TSYAQQHQQVR						Mascot	
	1345.6971	1345.6646	-0.0325	-24	152	162	KTSYAQQHQQVR						Mascot	
	1578.7152	1578.6738	-0.0414	-26	95	107	NCLTNFHGMDLTR				Carbamidomethyl (C)[2]		Mascot	
	1594.7101	1594.6644	-0.0457	-29	95	107	NCLTNFHGMDLTR				Carbamidomethyl (C)[2], Oxidation (M)[9]		Mascot	
	1720.8475	1720.803	-0.0445	-26	200	213	ACQSIYPLHDVYVR	83	100		Carbamidomethyl (C)[2]		Mascot	
	1720.8475	1720.803	-0.0445	-26	200	213	ACQSIYPLHDVYVR				Carbamidomethyl (C)[2]		Mascot	
	1791.921	1791.6786	-0.2424	-135	200	214	ACQSIYPLHDVYVRK						Mascot	
	1951.976	1951.9247	-0.0513	-26	66	82	VFEVSLADLQNDEVAFR						Mascot	
	1951.976	1951.9247	-0.0513	-26	66	82	VFEVSLADLQNDEVAFR	151	100				Mascot	
	2080.0708	2080.0183	-0.0525	-25	66	83	VFEVSLADLQNDEVAFRK						Mascot	

4 GTP-binding nuclear protein Ran [Danio rerio] gi|18859307 24444.6 6.6 4 65 98.717 51 99.792

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	%	Modification	Rank	Result	Type
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	Seq.				Seq.	Score				
	922.4642	922.4402	-0.024	-26	99	105	NVPNWHR			Mascot
	1310.6012	1310.5654	-0.0358	-27	60	70	YNVWDTAGQEK			Mascot
	1784.9119	1784.8604	-0.0515	-29	152	165	SNYNFEKPFLWLAR	51	99.792	Mascot
	1784.9119	1784.8604	-0.0515	-29	152	165	SNYNFEKPFLWLAR			Mascot
	2052.1025	2052.0471	-0.0554	-27	38	55	YVATLGVEVHPLVFHTNR			Mascot
5	hypothetical protein LOC100126029 [Danio rerio]				gi 157787173		31587.6	5.62	9	48 22.666

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	856.525	856.499	-0.026	-30	239	246 LGKNLSPK					Mascot
	864.4131	864.467	0.0539	62	255	261 VELESCK			Carbamidomethyl (C)[6]		Mascot
	919.4124	919.4553	0.0429	47	64	70 MEMAHLR			Oxidation (M)[1,3]		Mascot
	935.4866	935.45	-0.0366	-39	255	262 VELESCCK					Mascot
	1106.551	1106.5294	-0.0216	-20	252	261 NGKVELESCK					Mascot
	1695.7201	1695.8179	0.0978	58	1	15 MEESNNTCESVPDLK					Mascot
	1711.715	1711.8464	0.1314	77	1	15 MEESNNTCESVPDLK			Oxidation (M)[1]		Mascot
	1991.004	1991.0446	0.0406	20	214	232 TNGTLDKTATQLVSSDSP R					Mascot
	2192.9626	2193.0828	0.1202	55	35	52 EEHKMVSHHQTDDNETE K					Mascot
	2245.2915	2245.0493	-0.2422	-108	71	91 AADV KILNQLLALHEGIEA VK					Mascot
6	PREDICTED: tyrosine-protein kinase Src42A-like [Danio rerio]				gi 326675419		57185.5	6.59	13	46 0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	856.4345	856.499	0.0645	75	192	198 LHEACVK			Carbamidomethyl (C)[5]		Mascot
	919.5207	919.4553	-0.0654	-71	218	225 SSLTKQQK					Mascot
	935.4073	935.45	0.0427	46	2	9 GNCECKPK			Carbamidomethyl (C)[3]		Mascot
	1106.5558	1106.5294	-0.0264	-24	435	443 MSCVRGIQR			Carbamidomethyl (C)[3]		Mascot
	1217.7001	1217.5714	-0.1287	-106	354	364 IADFGLAQVRK					Mascot
	1495.7131	1495.8064	0.0933	62	341	353 AENILLTEMQSCK			Oxidation (M)[9]		Mascot
	1495.7131	1495.8064	0.0933	62	341	353 AENILLTEMQSCK			Oxidation (M)[9]		Mascot
	1594.7828	1594.6644	-0.1184	-74	184	198 HEGGLCAKLHEACVK					Mascot
	1936.9467	1936.8641	-0.0826	-43	338	353 DLRAENILLTEMQSCK			Carbamidomethyl (C)[15], Oxidation (M)[12]		Mascot

	2192.804	2193.0828	0.2788	127	2	21	GNCECKPKCCCCPCCPCC LTK	Carbamidomethyl (C)[3]	Mascot		
	2225.0947	2225.0671	-0.0276	-12	390	408	LPVKWMAPEIFDNGEYT SK		Mascot		
	2225.0947	2225.0671	-0.0276	-12	390	408	LPVKWMAPEIFDNGEYT SK		Mascot		
	2245.0735	2245.0493	-0.0242	-11	276	294	LYAVCTTSQPMCIIVTELM K	Carbamidomethyl (C)[5,12]	Mascot		
	2282.8179	2283.1208	0.3029	133	1	21	MGNCECKPKCCCCPCCP CCLTK	Oxidation (M)[1]	Mascot		
	2282.8179	2283.1208	0.3029	133	1	21	MGNCECKPKCCCCPCCP CCLTK	Oxidation (M)[1]	Mascot		
	2297.095	2297.1306	0.0356	15	447	466	MPRPAGCPESLYGIMLLC WK	Oxidation (M)[1,15]	Mascot		
7	hypothetical protein LOC393492 [Danio rerio]				gi 41055892		11150.2	4.26	6	42	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4114	842.4849	0.0735	87	88	94	QNTHTNK					Mascot
1503.7366	1503.7324	-0.0042	-3	63	74	WPPEDFLITEEK					Mascot
1695.5988	1695.8179	0.2191	129	75	87	EEEEEEEEDEDR					Mascot
1699.7158	1699.8876	0.1718	101	1	15	MTDVMISAAPMDDMR			Oxidation (M)[1]		Mascot
1711.8326	1711.8464	0.0138	8	23	36	LTFQIFDPSPDFER					Mascot
2299.1775	2299.1267	-0.0508	-22	42	62	ERLPSIVVEATEGEVESG ELR					Mascot

8 Wu:fc64b08 protein [Danio rerio] gi|51859557 35347.9 6.26 10 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
919.4479	919.4553	0.0074	8	2	11	PQSAASSSGK					Mascot
1051.5643	1051.6844	0.1201	114	12	21	LSGGSFAFTR					Mascot
1277.634	1277.6776	0.0436	34	256	265	MCIIDQIQTR			Carbamidomethyl (C)[2]		Mascot
1578.7428	1578.6738	-0.069	-44	177	189	ANTLRMEQEDEVK			Oxidation (M)[6]		Mascot
1629.8191	1629.7964	-0.0227	-14	154	167	QKNQNLSELEAEAR					Mascot
1707.9323	1707.7273	-0.205	-120	191	204	LNELIQKVQCHAVR			Carbamidomethyl (C)[10]		Mascot
1711.9086	1711.8464	-0.0622	-36	234	247	RQALEAQEQIEQLR					Mascot
1791.8728	1791.6786	-0.1942	-108	256	269	MCIIDQIQTRQEEK			Carbamidomethyl (C)[2]		Mascot
1795.8933	1795.7542	-0.1391	-77	2	20	PQSAASSSGKLSGGSFAF TR					Mascot
2231.0007	2231.0825	0.0818	37	41	59	LHSTADMHNHPEGENER TR					Mascot

9 Wu:fc64b08 protein [Danio rerio] gi|94573495 40652.3 9.43 10 40 0

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type		
	919.4479	919.4553	0.0074	8	2	11 PQSAASSSGK			Mascot		
	1051.5643	1051.6844	0.1201	114	12	21 LSGGSATFRR			Mascot		
	1277.634	1277.6776	0.0436	34	256	265 MCIIIDQIQTR		Carbamidomethyl (C)[2]	Mascot		
	1578.7428	1578.6738	-0.069	-44	177	189 ANTLRMEQEDEVK		Oxidation (M)[6]	Mascot		
	1629.8191	1629.7964	-0.0227	-14	154	167 QKNQNLSELEAEAR			Mascot		
	1707.9323	1707.7273	-0.205	-120	191	204 LNELIQKVQCHAVR		Carbamidomethyl (C)[10]	Mascot		
	1711.9086	1711.8464	-0.0622	-36	234	247 RQALEAQEQIEQLR			Mascot		
	1791.8728	1791.6786	-0.1942	-108	256	269 MCIIIDQIQTRQEEK		Carbamidomethyl (C)[2]	Mascot		
	1795.8933	1795.7542	-0.1391	-77	2	20 PQSAASSSGKLSGGSAF TR			Mascot		
	2231.0007	2231.0825	0.0818	37	41	59 LHSTADMHNHPEGENER TR			Mascot		
10	GMP synthase [Danio rerio]				gi 254588106		76886.8	6.55	12	38	0
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type		
	842.4301	842.4849	0.0548	65	552	558 ICHSINR			Mascot		
	864.3879	864.467	0.0791	92	2	9 ALCNGDSK		Carbamidomethyl (C)[3]	Mascot		
	870.493	870.5159	0.0229	26	10	17 LDIVGEPK			Mascot		
	938.407	938.4674	0.0604	64	1	9 MALCNGDSK			Mascot		
	1045.5061	1045.5367	0.0306	29	412	419 DFHKDEVK			Mascot		
	1179.535	1179.571	0.036	31	524	534 SYSYVCGVSSK			Mascot		
	1277.6042	1277.6776	0.0734	57	325	335 TLNMTTNPEEK			Mascot		
	1572.7628	1572.7936	0.0308	20	535	547 EAPHWDSLMFLAR			Mascot		
	1572.7628	1572.7936	0.0308	20	535	547 EAPHWDSLMFLAR			Mascot		
	1578.7759	1578.6738	-0.1021	-65	145	158 EEHVLLTHGDSVDK			Mascot		
	1711.9337	1711.8464	-0.0873	-51	165	181 IVAQSGNIVAGIANEQK			Mascot		
	2052.0847	2052.0471	-0.0376	-18	535	551 EAPHWDSLMFLARLIPR			Mascot		
	2299.1135	2299.1267	0.0132	6	121	140 SVREDGVFNIALDNSCSL FR		Carbamidomethyl (C)[16]	Mascot		
11	PREDICTED: solute carrier family 12 member 6-like, partial [Danio rerio]				gi 326668968		26763.8	8.83	7	38	0
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type		

	850.4781	850.521	0.0429	50	133	139	TFINTVR						Mascot
	1345.7408	1345.6646	-0.0762	-57	83	94	GFVQCIVAQKPR						Mascot
	1572.9043	1572.7936	-0.1107	-70	81	94	VKGFVQCIVAQKPR						Mascot
	1572.9043	1572.7936	-0.1107	-70	81	94	VKGFVQCIVAQKPR						Mascot
	1629.9257	1629.7964	-0.1293	-79	81	94	VKGFVQCIVAQKPR	Carbamidomethyl (C)[7]					Mascot
	1718.8458	1718.8385	-0.0073	-4	29	42	YIEYHGYYVTMTTLK						Mascot
	1990.9943	1991.0446	0.0503	25	29	45	YIEYHGYYVTMTTLKAGK	Oxidation (M)[10]					Mascot
	2211.3223	2211.0793	-0.243	-110	133	152	TFINTVRVTTTAHLALLVL K						Mascot
	2230.0664	2230.0957	0.0293	13	197	215	CALRIFTVAQMEDNSIQM K	Oxidation (M)[11,18]					Mascot

12 PREDICTED: zinc finger protein 271-like [Danio rerio] gi|326667020 48876.1 9.61 10 37 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	1572.7474	1572.7936	0.0462	29	382	394	SFSQSSYL NKHMK			Oxidation (M)[12]		Mascot
	1572.7474	1572.7936	0.0462	29	382	394	SFSQSSYL NKHMK			Oxidation (M)[12]		Mascot
	1578.723	1578.6738	-0.0492	-31	102	114	SFNSSSHFNKHMR					Mascot
	1594.7179	1594.6644	-0.0535	-34	102	114	SFNSSSHFNKHMR			Oxidation (M)[12]		Mascot
	1695.7651	1695.8179	0.0528	31	367	381	IHTGEKPFMCTQCGK			Oxidation (M)[9]		Mascot
	1718.8352	1718.8385	0.0033	2	395	409	IHTGEKPFCTICQCGK			Carbamidomethyl (C)[10]		Mascot
	1763.8203	1763.7555	-0.0648	-37	311	325	IHTGEKPFCTCTQCGK			Carbamidomethyl (C)[10,13]		Mascot
	1763.8203	1763.7555	-0.0648	-37	3	17	IHTGEKPFCTCTQCGK			Carbamidomethyl (C)[10,13]		Mascot
	1791.8405	1791.6786	-0.1619	-90	419	433	DLYLSPEIMCGVHNK			Carbamidomethyl (C)[10], Oxidation (M)[9]		Mascot
	1936.9191	1936.8641	-0.055	-28	1	17	MRIHTGEKPFCTCTQCGK					Mascot
	1993.9404	1993.9196	-0.0208	-10	1	17	MRIHTGEKPFCTCTQCGK			Carbamidomethyl (C)[12]		Mascot
	2192.9819	2193.0828	0.1009	46	364	381	HMRIHTGEKPFMCTQCG K			Carbamidomethyl (C)[13], Oxidation (M)[2,12]		Mascot
	2211.0369	2211.0793	0.0424	19	139	157	HHMRIHTGEKPFCTQCG K					Mascot
	2268.0583	2267.9756	-0.0827	-36	139	157	HHMRIHTGEKPFCTQCG K			Carbamidomethyl (C)[14]		Mascot
	2268.0583	2267.9756	-0.0827	-36	139	157	HHMRIHTGEKPFCTQCG K			Carbamidomethyl (C)[14]		Mascot
	2284.0532	2284.1187	0.0655	29	139	157	HHMRIHTGEKPFCTQCG K			Carbamidomethyl (C)[14], Oxidation (M)[3]		Mascot
	2299.0957	2299.1267	0.031	13	63	82	DKPFTCTQCGRSFSHLS SLK			Carbamidomethyl (C)[6]		Mascot

13 novel protein [Danio rerio] gi|126632590 18984.4 8.81 7 37 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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		811.3259	811.3922	0.0663	82	154	160	MGCCEIR						Mascot
		882.4944	882.5421	0.0477	54	72	78	LISAHWR						Mascot
		996.4423	996.5714	0.1291	130	152	160	GKMGCCEIR						Mascot
		1503.6211	1503.7324	0.1113	74	154	166	MGCCEIRYGCSPK			Carbamidomethyl (C)[3]			Mascot
		1578.8123	1578.6738	-0.1385	-88	79	92	LNDSLNVYDILSGR						Mascot
		1763.8971	1763.7555	-0.1416	-80	17	30	YSIPRISICYVMFR			Oxidation (M)[12]			Mascot
		1763.8971	1763.7555	-0.1416	-80	17	30	YSIPRISICYVMFR			Oxidation (M)[12]			Mascot
		2284.0378	2284.1187	0.0809	35	50	69	TFEGFIGGSALFPCYYDP SR			Carbamidomethyl (C)[14]			Mascot
14	immunoglobulin heavy chain variable region [Danio rerio]						gi 13375189	15925.7	6.71	6	37	0		
Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification	Rank	Result Type
		811.3865	811.3922	0.0057	7	134	141	GTMVTVTS				Oxidation (M)[3]		Mascot
		1277.634	1277.6776	0.0436	34	34	44	RPGETVMISCK				Carbamidomethyl (C)[10]		Mascot
		1993.9412	1993.9196	-0.0216	-11	45	59	ISGFTMTRYMHWIR				Oxidation (M)[6,11]		Mascot
		2233.1316	2233.0371	-0.0945	-42	25	44	LDQSPSVTKRPGETVMISCK				Carbamidomethyl (C)[19]		Mascot
		2245.0442	2245.0493	0.0051	2	87	105	NQFTLSEDVSQNMQYLEAK						Mascot
		2617.2561	2617.0767	-0.1794	-69	87	108	NQFTLSEDVSQNMQYLEAKSLR				Oxidation (M)[13]		Mascot
15	glycine cleavage system protein H [Danio rerio]						gi 61806486	18748.2	4.83	6	36	0		
Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification	Rank	Result Type
		850.4273	850.521	0.0937	110	2	8	AMCTVLR				Carbamidomethyl (C)[3]		Mascot
		1217.6062	1217.5714	-0.0348	-29	54	62	FTDKHEWVR						Mascot
		2080.071	2080.0183	-0.0527	-25	2	20	AMCTVLRCSVSVLTSSLP R				Carbamidomethyl (C)[3]		Mascot
		2211.1116	2211.0793	-0.0323	-15	1	20	MAMCTVLRCSVSVLTSS LPR				Carbamidomethyl (C)[4]		Mascot
		2268.1331	2267.9756	-0.1575	-69	1	20	MAMCTVLRCSVSVLTSS LPR				Carbamidomethyl (C)[4,9]		Mascot
		2268.1331	2267.9756	-0.1575	-69	1	20	MAMCTVLRCSVSVLTSS LPR				Carbamidomethyl (C)[4,9]		Mascot
		2269.0364	2268.9763	-0.0601	-26	148	167	MTVSIPEELDGLMDEAAY ER						Mascot
		2284.1279	2284.1187	-0.0092	-4	1	20	MAMCTVLRCSVSVLTSS LPR				Carbamidomethyl (C)[4,9], Oxidation (M)[1]		Mascot
		2705.2683	2705.1084	-0.1599	-59	148	170	MTVSIPEELDGLMDEAAY ERYIK				Oxidation (M)[1,13]		Mascot

16 PREDICTED: hypothetical protein LOC569436 [Danio rerio] gi|326678363 352771.2 7.92 27 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4743	842.4849	0.0106	13	2664	2669	HFRINR					Mascot
856.4311	856.499	0.0679	79	1282	1287	ENYFRK					Mascot
864.4131	864.467	0.0539	62	603	610	LGAEMSEK					Mascot
922.4298	922.4402	0.0104	11	1902	1910	TNLGDSGMK					Mascot
935.425	935.45	0.025	27	2720	2727	NNNCTLEK					Mascot
938.4247	938.4674	0.0427	46	1902	1910	TNLGDSGMK			Oxidation (M)[8]		Mascot
1165.5483	1165.7137	0.1654	142	922	932	SKGDGPNFSEK					Mascot
1179.6256	1179.571	-0.0546	-46	2297	2306	LSELTDFNK					Mascot
1217.6195	1217.5714	-0.0481	-40	2142	2152	LSALLMDSHSK			Oxidation (M)[6]		Mascot
1475.647	1475.7114	0.0644	44	1333	1345	RNNENNQADDASK					Mascot
1495.7859	1495.8064	0.0205	14	1690	1702	STMCKLEILGLSK			Carbamidomethyl (C)[4], Oxidation (M)[3]		Mascot
1495.7859	1495.8064	0.0205	14	1690	1702	STMCKLEILGLSK			Carbamidomethyl (C)[4], Oxidation (M)[3]		Mascot
1503.8451	1503.7324	-0.1127	-75	1695	1708	LEILGLSKCGITEK					Mascot
1572.8016	1572.7936	-0.008	-5	1502	1515	ALES DTGHLDFVR					Mascot
1572.8016	1572.7936	-0.008	-5	1502	1515	ALES DTGHLDFVR					Mascot
1578.703	1578.6738	-0.0292	-18	854	868	GDGPNFSEQQPSSTK					Mascot
1594.8845	1594.6644	-0.2201	-138	589	602	HNKCILISINNGR					Mascot
1699.9086	1699.8876	-0.021	-12	2183	2197	ELNLNNSRLLD SGVR					Mascot
1707.8007	1707.7273	-0.0734	-43	1474	1487	KNVFMDESPELENR					Mascot
1720.7893	1720.803	0.0137	8	297	311	IHTGDRPYSCVQCGK			Carbamidomethyl (C)[10]		Mascot
1720.7893	1720.803	0.0137	8	297	311	IHTGDRPYSCVQCGK			Carbamidomethyl (C)[10]		Mascot
1785.0004	1784.8604	-0.14	-78	1224	1240	DVSSPASLDVLLTNLIK					Mascot
1785.0004	1784.8604	-0.14	-78	1224	1240	DVSSPASLDVLLTNLIK					Mascot
1861.9119	1861.8936	-0.0183	-10	2615	2629	FFQGPAEETYQYLIR					Mascot
1861.9119	1861.8936	-0.0183	-10	2615	2629	FFQGPAEETYQYLIR					Mascot
1993.9246	1993.9196	-0.005	-3	1066	1082	LLNDVYTDLYMTQCASK			Oxidation (M)[11]		Mascot
2080.0896	2080.0183	-0.0713	-34	2269	2287	FLSPA ADEVCFVTRIVG K					Mascot
2224.9797	2225.0671	0.0874	39	321	339	HHMSLHNEEKPYVCGQC GR					Mascot
2224.9797	2225.0671	0.0874	39	321	339	HHMSLHNEEKPYVCGQC GR					Mascot
2232.8818	2233.0371	0.1553	70	181	199	YHMKMHSDETA FSCEEC GK					Mascot
2269.1282	2268.9763	-0.1519	-67	2038	2056	DLQLRFLSSEADNVCQF			Carbamidomethyl (C)[15]		Mascot

	2283.2068	2283.1208	-0.086	-38	1358	1375	TLTQMYTHFLRFQILQSR							Mascot
	2283.2068	2283.1208	-0.086	-38	1358	1375	TLTQMYTHFLRFQILQSR							Mascot
	2297.144	2297.1306	-0.0134	-6	2728	2748	LNLSDCSISEEGYKALAS ALR			Carbamidomethyl (C)[6]				Mascot
	2299.2017	2299.1267	-0.075	-33	1358	1375	TLTQMYTHFLRFQILQSR			Oxidation (M)[5]				Mascot
	2705.1799	2705.1084	-0.0715	-26	233	255	ASVNRHMCIHSGEKPYA CDQCGK			Carbamidomethyl (C)[8,18,21]				Mascot
17	LOC560618 protein [Danio rerio]				gi 183985554		36438.9	5.69	8	35	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1165.6113	1165.7137	0.1024	88	173	182	LPSHWSSVPR					Mascot
	1231.5199	1231.5604	0.0405	33	2	11	VCMGMMMMIK			Carbamidomethyl (C)[2]		Mascot
	1503.7407	1503.7324	-0.0083	-6	142	154	VHQMTTGKPMTTTR			Oxidation (M)[4]		Mascot
	1699.8696	1699.8876	0.018	11	102	117	VNPNCNGNGKTGVVVWR					Mascot
	1711.8544	1711.8464	-0.008	-5	72	86	AQLAEAQKHGLETCT			Carbamidomethyl (C)[14]		Mascot
	1718.8079	1718.8385	0.0306	18	262	275	EDLQKTQEEQVEDK					Mascot
	1763.9762	1763.7555	-0.2207	-125	155	172	SSVAPTAGVHLRGSPLS K					Mascot
	1763.9762	1763.7555	-0.2207	-125	155	172	SSVAPTAGVHLRGSPLS K					Mascot
	2268.0935	2267.9756	-0.1179	-52	12	31	MVLFSGMFMSGLAFDMQ LVK			Oxidation (M)[1]		Mascot
	2268.0935	2267.9756	-0.1179	-52	12	31	MVLFSGMFMSGLAFDMQ LVK			Oxidation (M)[1]		Mascot
	2284.0884	2284.1187	0.0303	13	12	31	MVLFSGMFMSGLAFDMQ LVK			Oxidation (M)[1,7]		Mascot

18 transcription elongation factor A protein 3 [Danio rerio] gi|45387785 45894.2 9.44 10 34 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	856.4233	856.499	0.0757	88	290	296	ATDMKYK					Mascot
	864.4607	864.467	0.0063	7	14	20	LDKMVSR			Oxidation (M)[4]		Mascot
	919.4479	919.4553	0.0074	8	109	116	TSPEKDSR					Mascot
	1231.61	1231.5604	-0.0496	-40	21	31	NNMDGALDLLR					Mascot
	1594.8258	1594.6644	-0.1614	-101	35	47	DFNMTLKLLQDTR					Mascot
	1720.8469	1720.803	-0.0439	-26	17	31	MVSRNNMDGALDLLR			Oxidation (M)[1]		Mascot
	1720.8469	1720.803	-0.0439	-26	17	31	MVSRNNMDGALDLLR			Oxidation (M)[1]		Mascot
	1936.9471	1936.8641	-0.083	-43	95	113	NGSHPSKPSGSPSRTSP EK					Mascot
	2231.1606	2231.0825	-0.0781	-35	117	136	KDAPVDFFPPPSINSHPP					Mascot

	2616.0752	2616.3196	0.2444	93	268	289	LR DYGTNCEAMGAIEDIYIY QETK		Carbamidomethyl (C)[6], Oxidation (M)[9]	Mascot	
	3337.3672	3337.6877	0.3205	96	262	289	TDDDYKDYGTNCEAMGA EIEDIYIYQETK		Carbamidomethyl (C)[12]	Mascot	
19	PREDICTED: UHRF1-binding protein 1 [Danio rerio]					gi 326678910	147432.6	5.48	15	34	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
811.38	811.3922	0.0122	15	458	464	SSCMVIR			Oxidation (M)[4]		Mascot
882.4501	882.5421	0.092	104	797	803	MKDYLGR					Mascot
919.4413	919.4553	0.014	15	1324	1330	AVCERER			Carbamidomethyl (C)[3]		Mascot
935.4944	935.45	-0.0444	-47	691	699	VTLGFDGAR					Mascot
1045.5425	1045.5367	-0.0058	-6	182	189	EINWQSLR					Mascot
1231.526	1231.5604	0.0344	28	728	737	DSHCIEDDLK			Carbamidomethyl (C)[4]		Mascot
1572.7627	1572.7936	0.0309	20	637	649	SFFNTTQCKPFPR					Mascot
1572.7627	1572.7936	0.0309	20	637	649	SFFNTTQCKPFPR					Mascot
1629.7842	1629.7964	0.0122	7	637	649	SFFNTTQCKPFPR			Carbamidomethyl (C)[8]		Mascot
1720.8992	1720.803	-0.0962	-56	784	796	MWLNHYQFIALLR			Oxidation (M)[1]		Mascot
1720.8992	1720.803	-0.0962	-56	784	796	MWLNHYQFIALLR			Oxidation (M)[1]		Mascot
1936.9871	1936.8641	-0.123	-64	77	92	TSPICFLDKVEVEMR			Carbamidomethyl (C)[5]		Mascot
2229.9143	2230.0957	0.1814	81	1191	1209	HCAQSESLGFMEVCVSG CR			Carbamidomethyl (C)[2,14,18], Oxidation (M)[11]		Mascot
2284.0662	2284.1187	0.0525	23	738	757	SPSRFSQEFSCAPNDLIS NK			Carbamidomethyl (C)[11]		Mascot
2384.1729	2383.8904	-0.2825	-118	932	954	HSSTFSIEGDFSSALNAT KGVTK					Mascot
2616.197	2616.3196	0.1226	47	706	727	TLPFVEPFMSMLWMCHP DAFTK			Oxidation (M)[10,14]		Mascot
2617.3132	2617.0767	-0.2365	-90	140	161	AFHASFQLWLQGC SLN PKWQK					Mascot
3337.426	3337.6877	0.2617	78	359	386	LGFDYYPFHRPGDGCQH WERHCGAMDSR					Mascot

20	PREDICTED: potassium voltage-gated channel subfamily H member 8 [Danio rerio]					gi 292624195	124090.7	6.56	9	34	0	20	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.4747	856.499	0.0243	28	953	960	RGGSQVPR					Mascot
919.5029	919.4553	-0.0476	-52	340	346	LLQKMDR			Oxidation (M)[5]		Mascot
1165.575	1165.7137	0.1387	119	481	489	WSSYHTRTK					Mascot
1179.746	1179.571	-0.175	-148	320	330	VSVVSVVHLLK					Mascot

	1503.6237	1503.7324	0.1087	72	686	698	MSSKSMDTQMEGR				Oxidation (M)[1]	Mascot
	1720.8878	1720.803	-0.0848	-49	167	181	SSTVLYHISGHLHNR	20		0		Mascot
	1720.8878	1720.803	-0.0848	-49	167	181	SSTVLYHISGHLHNR					Mascot
	1862.0244	1861.8936	-0.1308	-70	102	117	KSGSVFWCLLDIVPIK				Carbamidomethyl (C)[8]	Mascot
	1862.0244	1861.8936	-0.1308	-70	102	117	KSGSVFWCLLDIVPIK				Carbamidomethyl (C)[8]	Mascot
	1994.0414	1993.9196	-0.1218	-61	824	841	HLNQEVSLSGREVAELG R					Mascot
	2211.0896	2211.0793	-0.0103	-5	628	646	TNADVKALTYCDLQCINL R				Carbamidomethyl (C)[11]	Mascot
	2268.1111	2267.9756	-0.1355	-60	628	646	TNADVKALTYCDLQCINL R				Carbamidomethyl (C)[11,15]	Mascot
	2268.1111	2267.9756	-0.1355	-60	628	646	TNADVKALTYCDLQCINL R				Carbamidomethyl (C)[11,15]	Mascot
21	Wu:fc64b08 protein [Danio rerio]				gi 60551942		38263.5	5.97	9	34	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
919.4479	919.4553	0.0074	8	2	11	PQSAASSSGK					Mascot
1051.5643	1051.6844	0.1201	114	12	21	LSGGSFAFTR					Mascot
1277.634	1277.6776	0.0436	34	256	265	MCIIDQIQTR			Carbamidomethyl (C)[2]		Mascot
1578.7428	1578.6738	-0.069	-44	177	189	ANTLRMEQEDEVK			Oxidation (M)[6]		Mascot
1629.8191	1629.7964	-0.0227	-14	154	167	QKNQNLSELEAEAR					Mascot
1707.9323	1707.7273	-0.205	-120	191	204	LNELIQKVQCHAVR			Carbamidomethyl (C)[10]		Mascot
1791.8728	1791.6786	-0.1942	-108	256	269	MCIIDQIQTRQEEK			Carbamidomethyl (C)[2]		Mascot
1795.8933	1795.7542	-0.1391	-77	2	20	PQSAASSSGKLSGGSFAF TR					Mascot
2231.0007	2231.0825	0.0818	37	41	59	LHSTADMHNHPEGENER TR					Mascot

22 novel protein with Zinc finger, C3HC4 type (RING finger) and B-box zinc finger domains [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4573	864.467	0.0097	11	152	158	VKGEFER					Mascot
919.4366	919.4553	0.0187	20	198	204	EEEEQKK					Mascot
935.4693	935.45	-0.0193	-21	154	161	GEFERAAR					Mascot
1045.6152	1045.5367	-0.0785	-75	57	66	GHPPVNLALK					Mascot
1106.4718	1106.5294	0.0576	52	43	51	NTQECPVCR			Carbamidomethyl (C)[5]		Mascot
1165.6285	1165.7137	0.0852	73	95	103	LKLFLEDK			Carbamidomethyl (C)[5]		Mascot
1310.6812	1310.5654	-0.1158	-88	165	175	AQAETHERQIK					Mascot

	1720.8435	1720.803	-0.0405	-24	67	80	NLCFLAEGNERR					Carbamidomethyl (C)[3]	Mascot
	1720.8435	1720.803	-0.0405	-24	67	80	NLCFLAEGNERR					Carbamidomethyl (C)[3]	Mascot
	2051.9089	2052.0471	0.1382	67	2	19	ASSAEYDYICPVCQDIFK						Mascot
	2296.9922	2297.1306	0.1384	60	1	19	MASSAEYDYICPVCQDIFK					Carbamidomethyl (C)[11,14]	Mascot
23	sphingosine-1-phosphate receptor [Danio rerio]						gi 333034503	3478.7	9.3	4	33	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1475.7021	1475.7114	0.0093	6	6	18	LFAGFCQAVTMSK				Carbamidomethyl (C)[6], Oxidation (M)[11]		Mascot
1503.7842	1503.7324	-0.0518	-34	19	30	YSQYFNKTLIQV						Mascot
1936.9077	1936.8641	-0.0436	-23	2	18	TTCRLFAGFCQAVTMSK				Carbamidomethyl (C)[3], Oxidation (M)[15]		Mascot
1993.9292	1993.9196	-0.0096	-5	2	18	TTCRLFAGFCQAVTMSK				Carbamidomethyl (C)[3,10], Oxidation (M)[15]		Mascot
2051.9534	2052.0471	0.0937	46	1	18	MTTCRLFAGFCQAVTMSK				Carbamidomethyl (C)[4]		Mascot

24	PREDICTED: transmembrane protein 81 [Danio rerio]						gi 125824086	29288.1	8.49	7	32	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
811.5035	811.3922	-0.1113	-137	146	152	VVLDPRL						Mascot
850.3975	850.521	0.1235	145	161	168	CDVLDTGK						Mascot
938.4828	938.4674	-0.0154	-16	138	145	YEALSLDK						Mascot
1165.5994	1165.7137	0.1143	98	68	77	NISTSSCKLR				Carbamidomethyl (C)[7]		Mascot
1707.8114	1707.7273	-0.0841	-49	100	114	LVLDCLEEVMEAMGR						Mascot
1936.9288	1936.8641	-0.0647	-33	99	114	RLVLDCLEEVMEAMGR				Carbamidomethyl (C)[6], Oxidation (M)[11]		Mascot
2268.1111	2267.9756	-0.1355	-60	78	98	TISCLDSWQCGLKTQTATVGR						Mascot
2268.1111	2267.9756	-0.1355	-60	78	98	TISCLDSWQCGLKTQTATVGR						Mascot

25	novel protein similar to vertebrate potassium voltage-gated channel, subfamily H (eag-related), mem						gi 94733538	78650.5	7.84	6	32	0	20	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
919.5029	919.4553	-0.0476	-52	340	346	LLQKMDR				Oxidation (M)[5]		Mascot
1165.575	1165.7137	0.1387	119	481	489	WSSYHTRTK						Mascot
1179.746	1179.571	-0.175	-148	320	330	VSVSVVHLLK						Mascot
1720.8878	1720.803	-0.0848	-49	167	181	SSTVLYHISGHLHNR	20		0			Mascot

	1720.8878	1720.803	-0.0848	-49	167	181	SSTVLYHISGHLHNR						Mascot
	1862.0244	1861.8936	-0.1308	-70	102	117	KSGSVFWCLLDIVPIK	Carbamidomethyl (C)[8]					Mascot
	1862.0244	1861.8936	-0.1308	-70	102	117	KSGSVFWCLLDIVPIK	Carbamidomethyl (C)[8]					Mascot
	2211.0896	2211.0793	-0.0103	-5	628	646	TNADVKALTYCDLQCINL R	Carbamidomethyl (C)[11]					Mascot
	2268.1111	2267.9756	-0.1355	-60	628	646	TNADVKALTYCDLQCINL R	Carbamidomethyl (C)[11,15]					Mascot
	2268.1111	2267.9756	-0.1355	-60	628	646	TNADVKALTYCDLQCINL R	Carbamidomethyl (C)[11,15]					Mascot
26	necdin-like 2 [Danio rerio]				gi 38488704		8126.4	8.01	4	32	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1106.6204	1106.5294	-0.091	-82	46	54	KVVTEEFVR					Mascot
1495.8956	1495.8064	-0.0892	-60	2	14	GLLFVILSVIFMK			Oxidation (M)[12]		Mascot
1495.8956	1495.8064	-0.0892	-60	2	14	GLLFVILSVIFMK			Oxidation (M)[12]		Mascot
1572.8744	1572.7936	-0.0808	-51	15	28	GGTIKENLVWNTLK					Mascot
1572.8744	1572.7936	-0.0808	-51	15	28	GGTIKENLVWNTLK					Mascot
1952.1653	1951.9247	-0.2406	-123	2	19	GLLFVILSVIFMKGGTIK			Oxidation (M)[12]		Mascot
1952.1653	1951.9247	-0.2406	-123	2	19	GLLFVILSVIFMKGGTIK			Oxidation (M)[12]		Mascot

27	CTAGE family, member 5 [Danio rerio]				gi 41053471		77796.7	5.5	11	32	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
811.3944	811.3922	-0.0022	-3	551	557	SDSSFLR					Mascot
850.4417	850.521	0.0793	93	404	410	LTDAQFR					Mascot
1051.567	1051.6844	0.1174	112	15	23	VLETFSEVK					Mascot
1578.6853	1578.6738	-0.0115	-7	144	156	EQLMQEAEGWGER			Oxidation (M)[4]		Mascot
1695.8547	1695.8179	-0.0368	-22	264	277	EDLHEGIKQLEEQK					Mascot
1699.7335	1699.8876	0.1541	91	157	169	LSELEEEMKMCER			Carbamidomethyl (C)[11], Oxidation (M)[8]		Mascot
1711.6469	1711.8464	0.1995	117	170	184	SHAGMMEDCANKDDR			Oxidation (M)[5,6]		Mascot
2233.0725	2233.0371	-0.0354	-16	605	623	DPHFPHRGPFPPDYFP PR					Mascot
2268.1353	2267.9756	-0.1597	-70	278	297	ELLVSESANYSSSQKLQ QK					Mascot
2268.1353	2267.9756	-0.1597	-70	278	297	ELLVSESANYSSSQKLQ QK					Mascot
2269.1418	2268.9763	-0.1655	-73	106	124	SQLEQDNTTLKIHEINTER					Mascot
2283.136	2283.1208	-0.0152	-7	294	311	LQKKLQIMTEMYQENEL K			Oxidation (M)[8]		Mascot

	2283.136	2283.1208	-0.0152	-7	294	311	LQQKLQIMTEMYQENEL K					Oxidation (M)[8]	Mascot
	2299.1309	2299.1267	-0.0042	-2	294	311	LQQKLQIMTEMYQENEL K					Oxidation (M)[8,11]	Mascot
28	hypothetical protein LOC678536 [Danio rerio]				gi 160420306		148750.2	8.89	15	31	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4461	864.467	0.0209	24	87	94	DSFVPATK					Mascot
1045.5465	1045.5367	-0.0098	-9	1346	1353	DFLSWIHK					Mascot
1629.8496	1629.7964	-0.0532	-33	995	1008	NSTLFYIIGHHTAR					Mascot
1695.8999	1695.8179	-0.082	-48	119	134	VFAPAGVSPTVMNLHR					Mascot
1699.9377	1699.8876	-0.0501	-29	34	49	YEALLGGLPQEGLAR					Mascot
1711.8948	1711.8464	-0.0484	-28	119	134	VFAPAGVSPTVMNLHR			Oxidation (M)[12]		Mascot
1791.8523	1791.6786	-0.1737	-97	1228	1242	FSWGAECKQYAVFAK			Carbamidomethyl (C)[7]		Mascot
1862.1262	1861.8936	-0.2326	-125	363	379	RWLLDALPAVGTPVLIK					Mascot
1862.1262	1861.8936	-0.2326	-125	363	379	RWLLDALPAVGTPVLIK					Mascot
1936.9181	1936.8641	-0.054	-28	147	163	TQNIYELQEAGAQGVCRR			Carbamidomethyl (C)[16]		Mascot
1991.0959	1991.0446	-0.0513	-26	32	49	YKYEALLGGLPQEGLAR					Mascot
2193.2676	2193.0828	-0.1848	-84	746	765	TIIEEAIPMTVGPKRALL K			Oxidation (M)[9]		Mascot
2233.2009	2233.0371	-0.1638	-73	593	614	SLTRITAPDMAYVAGAAN VAIK					Mascot
2245.1248	2245.0493	-0.0755	-34	1243	1262	AEAGVLGEYPAARLEVE WER					Mascot
2269.1975	2268.9763	-0.2212	-97	1177	1196	ADQKLLGYQLAAYFDKPT AR					Mascot
2299.2292	2299.1267	-0.1025	-45	1039	1058	QINIIDDDTPEGQAFLKL R					Mascot
2617.4092	2617.0767	-0.3325	-127	552	576	MVACIVLFEAEPSVALISS LAGALR			Carbamidomethyl (C)[4]		Mascot

29	PREDICTED: beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 4-l				gi 125837099		48072.7	6.61	8	31	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1217.626	1217.5714	-0.0546	-45	337	347	SDPEISELISK					Mascot
1495.7937	1495.8064	0.0127	8	45	57	QQLTVKYGINCTK					Mascot
1495.7937	1495.8064	0.0127	8	45	57	QQLTVKYGINCTK					Mascot
1594.8046	1594.6644	-0.1402	-88	205	217	YVINLCGQDFPLR			Carbamidomethyl (C)[6]		Mascot
1795.98	1795.7542	-0.2258	-126	337	352	SDPEISELISKTHLVK					Mascot

	1862.0092	1861.8936	-0.1156	-62	58	73	IYEMEPVEVGKSLVIR										Mascot
	1862.0092	1861.8936	-0.1156	-62	58	73	IYEMEPVEVGKSLVIR										Mascot
	1990.9956	1991.0446	0.049	25	135	150	AVYVPHNIYCIHYDRK										Mascot
	2245.1699	2245.0493	-0.1206	-54	132	149	LLRAVYVPHNIYCIHYDR										Mascot
	2283.2932	2283.1208	-0.1724	-76	12	31	NVIFVFGTLGLLCTTVIFL R					Carbamidomethyl (C)[13]					Mascot
	2283.2932	2283.1208	-0.1724	-76	12	31	NVIFVFGTLGLLCTTVIFL R					Carbamidomethyl (C)[13]					Mascot
30	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733733										149143.4	8.92	15	31	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	864.4461	864.467	0.0209	24	91	98	DSFVPATK					Mascot
	1045.5465	1045.5367	-0.0098	-9	1350	1357	DFLSWIHK					Mascot
	1629.8496	1629.7964	-0.0532	-33	999	1012	NSTLFYIIGHHTAR					Mascot
	1695.8999	1695.8179	-0.082	-48	123	138	VFAPAGVSPTVMNLHR					Mascot
	1699.9377	1699.8876	-0.0501	-29	38	53	YEALLGLLPQEGLAR					Mascot
	1711.8948	1711.8464	-0.0484	-28	123	138	VFAPAGVSPTVMNLHR			Oxidation (M)[12]		Mascot
	1791.8523	1791.6786	-0.1737	-97	1232	1246	FSWGAECKQYAVFAK			Carbamidomethyl (C)[7]		Mascot
	1862.1262	1861.8936	-0.2326	-125	367	383	RWLLDALPAVGTPVLIK					Mascot
	1862.1262	1861.8936	-0.2326	-125	367	383	RWLLDALPAVGTPVLIK					Mascot
	1936.9181	1936.8641	-0.054	-28	151	167	TQNIYELQEAGAQQGVCRR			Carbamidomethyl (C)[16]		Mascot
	1991.0959	1991.0446	-0.0513	-26	36	53	YKYEALLGLLPQEGLAR					Mascot
	2193.2676	2193.0828	-0.1848	-84	750	769	TIIEEAIPMVTGPKPRALL K			Oxidation (M)[9]		Mascot
	2233.2009	2233.0371	-0.1638	-73	597	618	SLTRITAPDMAYVAGAAN VAIK					Mascot
	2245.1248	2245.0493	-0.0755	-34	1247	1266	AEAGVLGEYPAARLEVE WER					Mascot
	2269.1975	2268.9763	-0.2212	-97	1181	1200	ADQKLLGYQLAAYFDKPT AR					Mascot
	2299.2292	2299.1267	-0.1025	-45	1043	1062	QINIIDDDTPEGQAFLKL R					Mascot
	2617.4092	2617.0767	-0.3325	-127	556	580	MVACIVLFEAPSVALLIS LAGALR			Carbamidomethyl (C)[4]		Mascot

31 novel protein similar to vertebrate phospholipase A2, group VI (PLA2G6) (zgc:77476) [Danio rerio] gi|94733408 23280 8.53 6 31 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	935.4832	935.45	-0.0332	-35	19	27	GFVEADGLK					Mascot
	938.4213	938.4674	0.0461	49	121	128	NEFGENTK					Mascot

	1045.571	1045.5367	-0.0343	-33	35	44	LLCLDGGGIK					Carbamidomethyl (C)[3]	Mascot
	1106.5874	1106.5294	-0.058	-52	137	146	VMVTSVLADR					Oxidation (M)[2]	Mascot
	1795.902	1795.7542	-0.1478	-82	188	204	AARSSGAAPTYFRPMGR						Mascot
	2193.1597	2193.0828	-0.0769	-35	137	155	VMVTSVLADRHHPGELHL FR					Oxidation (M)[2]	Mascot
32	growth arrest-specific 1a [Danio rerio]				gi 162287355		28605.4	5.71	8	31	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	870.4753	870.5159	0.0406	47	114	121	AIEPCLPK						Mascot
	882.4501	882.5421	0.092	104	166	172	NVIAYMR				Oxidation (M)[6]		Mascot
	919.4665	919.4553	-0.0112	-12	2	9	ATCAELVR				Carbamidomethyl (C)[3]		Mascot
	1277.6453	1277.6776	0.0323	25	1	12	MATCAELVRGAR						Mascot
	1345.5624	1345.6646	0.1022	76	154	165	LFSGSSCSNQCR				Carbamidomethyl (C)[7]		Mascot
	1861.9147	1861.8936	-0.0211	-11	174	190	LPKAQLLDTCVCDGTER						Mascot
	1861.9147	1861.8936	-0.0211	-11	174	190	LPKAQLLDTCVCDGTER						Mascot
	1936.8926	1936.8641	-0.0285	-15	114	131	AIEPCLPKTSNMGCTEAR				Oxidation (M)[12]		Mascot
	1993.9139	1993.9196	0.0057	3	114	131	AIEPCLPKTSNMGCTEAR				Carbamidomethyl (C)[5], Oxidation (M)[12]		Mascot
	2192.9998	2193.0828	0.083	38	154	172	LFSGSSCSNQCRNVIAY MR				Carbamidomethyl (C)[7]		Mascot

33	novel protein similar to vertebrate phospholipase A2, group VI (PLA2G6) (zgc:77476) [Danio rerio]				gi 94733407		90549.6	6.09	13	31	0		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	935.4832	935.45	-0.0332	-35	451	459	GFVEADGLK						Mascot
	938.4213	938.4674	0.0461	49	553	560	NEFGENTK						Mascot
	1045.571	1045.5367	-0.0343	-33	467	476	LLCLDGGGIK				Carbamidomethyl (C)[3]		Mascot
	1106.5874	1106.5294	-0.058	-52	569	578	VMVTSVLADR				Oxidation (M)[2]		Mascot
	1231.5194	1231.5604	0.041	33	184	194	NETPMHCAAK				Carbamidomethyl (C)[8], Oxidation (M)[6]		Mascot
	1572.8129	1572.7936	-0.0193	-12	635	647	VTDEEQLVWRAAR						Mascot
	1572.8129	1572.7936	-0.0193	-12	635	647	VTDEEQLVWRAAR						Mascot
	1718.7811	1718.8385	0.0574	33	245	260	CDIMGNNGFPIHAAMK						Mascot
	1791.7975	1791.6786	-0.1189	-66	245	260	CDIMGNNGFPIHAAMK				Carbamidomethyl (C)[1], Oxidation (M)[4]		Mascot
	1795.902	1795.7542	-0.1478	-82	645	661	AARSSGAAPTYFRPMGR						Mascot
	2193.1597	2193.0828	-0.0769	-35	569	587	VMVTSVLADRHHPGELHL FR				Oxidation (M)[2]		Mascot

	2225.0549	2225.0671	0.0122	5	148	168	DAQGQTPLHLACERGDV GCVR							Mascot
	2225.0549	2225.0671	0.0122	5	148	168	DAQGQTPLHLACERGDV GCVR							Mascot
	2231.1489	2231.0825	-0.0664	-30	306	325	GCNVNYLSKTGESPLHIL TK			Carbamidomethyl (C)[2]				Mascot
	2283.0354	2283.1208	0.0854	37	245	264	CDIMGNNGFPIHAAMKFS EK			Carbamidomethyl (C)[1], Oxidation (M)[4]				Mascot
	2283.0354	2283.1208	0.0854	37	245	264	CDIMGNNGFPIHAAMKFS EK			Carbamidomethyl (C)[1], Oxidation (M)[4]				Mascot
	2299.0303	2299.1267	0.0964	42	245	264	CDIMGNNGFPIHAAMKFS EK			Carbamidomethyl (C)[1], Oxidation (M)[4,15]				Mascot
	2617.3442	2617.0767	-0.2675	-102	1	23	MQFLGRILDTVSSVSLF SNPYR							Mascot
34	non-specific lipid-transfer protein [Danio rerio]				gi 41053664		57939.8	7.1	10	30	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
811.358	811.3922	0.0342	42	327	334	GDNTYGGK					Mascot
882.4944	882.5421	0.0477	54	177	183	VAWKNHK					Mascot
935.4792	935.45	-0.0292	-31	474	483	GSVSSDAGKK					Mascot
1045.4917	1045.5367	0.045	43	136	143	HMEVMINR			Oxidation (M)[2]		Mascot
1106.5436	1106.5294	-0.0142	-13	471	482	NGKGSVSSDAGK					Mascot
1165.5735	1165.7137	0.1402	120	435	444	LQEEGEAYVK					Mascot
1310.663	1310.5654	-0.0976	-74	514	525	LKITGNMGAMK			Oxidation (M)[7]		Mascot
1763.7874	1763.7555	-0.0319	-18	130	143	TNPMDKHMEVMINR			Oxidation (M)[4,8,11]		Mascot
1763.7874	1763.7555	-0.0319	-18	130	143	TNPMDKHMEVMINR			Oxidation (M)[4,8,11]		Mascot
2269.0012	2268.9763	-0.0249	-11	47	67	YSAIQQACVGYVYGDST CGQR					Mascot
2705.3398	2705.1084	-0.2314	-86	347	372	GHPLGATGLAQCAELCW QLRAEAGPR					Mascot

35 PREDICTED: EMILIN-2-like [Danio rerio] gi|326664942 119160.6 5.89 13 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
811.446	811.3922	-0.0538	-66	67	72	FRPTYK					Mascot
1165.5823	1165.7137	0.1314	113	21	29	NWCAFIVQK			Carbamidomethyl (C)[3]		Mascot
1179.6117	1179.571	-0.0407	-35	130	138	ETVQYDLRR					Mascot
1217.6736	1217.5714	-0.1022	-84	231	241	LNDVTDALKTK					Mascot
1495.641	1495.8064	0.1654	111	433	444	NAETYCFYVEEK					Mascot
1495.641	1495.8064	0.1654	111	433	444	NAETYCFYVEEK					Mascot
1718.882	1718.8385	-0.0435	-25	1000	1015	SVQKLDAGYSSGHLR					Mascot

	1763.7799	1763.7555	-0.0244	-14	216	230	GQTHGEREMETVMAR		Oxidation (M)[9,13]	Mascot	
	1763.7799	1763.7555	-0.0244	-14	216	230	GQTHGEREMETVMAR		Oxidation (M)[9,13]	Mascot	
	1861.7666	1861.8936	0.127	68	50	64	CPEHQPDCEPQMIYR		Oxidation (M)[12]	Mascot	
	1861.7666	1861.8936	0.127	68	50	64	CPEHQPDCEPQMIYR		Oxidation (M)[12]	Mascot	
	1951.9463	1951.9247	-0.0216	-11	223	239	EMETVMARLNDVTDALK		Oxidation (M)[2]	Mascot	
	1951.9463	1951.9247	-0.0216	-11	223	239	EMETVMARLNDVTDALK		Oxidation (M)[2]	Mascot	
	1993.9106	1993.9196	0.009	5	574	590	MSPEKQFINAHMQDTGK		Oxidation (M)[1,12]	Mascot	
	2232.9583	2233.0371	0.0788	35	50	66	CPEHQPDCEPQMIYRTR		Carbamidomethyl (C)[1,8], Oxidation (M)[12]	Mascot	
	2283.0056	2283.1208	0.1152	50	427	444	MNVTERNAETYCFYVEE K		Carbamidomethyl (C)[12]	Mascot	
	2283.0056	2283.1208	0.1152	50	427	444	MNVTERNAETYCFYVEE K		Carbamidomethyl (C)[12]	Mascot	
	2299.0005	2299.1267	0.1262	55	427	444	MNVTERNAETYCFYVEE K		Carbamidomethyl (C)[12], Oxidation (M)[1]	Mascot	
	2384.0215	2383.8904	-0.1311	-55	77	95	TVTELEWRCCPGYQGPD CR		Carbamidomethyl (C)[9,10,18]	Mascot	
36	brain-derived neurotrophic factor [Danio rerio]				gi 169145642		25880.8	5.62	6	30	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
938.4578	938.4674	0.0096	10	117	124	DVDLYASR					Mascot
1572.7257	1572.7936	0.0679	43	146	158	NYLDAANMSMRVR			Oxidation (M)[8,10]		Mascot
1572.7257	1572.7936	0.0679	43	146	158	NYLDAANMSMRVR			Oxidation (M)[8,10]		Mascot
1720.9149	1720.803	-0.1119	-65	185	200	KTAIDMSGQTVTVLEK					Mascot
1720.9149	1720.803	-0.1119	-65	185	200	KTAIDMSGQTVTVLEK					Mascot
1936.932	1936.8641	-0.0679	-35	167	184	GELSVCDSSISQWVTAVD K					Mascot
1993.9535	1993.9196	-0.0339	-17	167	184	GELSVCDSSISQWVTAVD K			Carbamidomethyl (C)[6]		Mascot
2230.0779	2230.0957	0.0178	8	8	25	VMTILFVTMVISYFSCMR			Carbamidomethyl (C)[16], Oxidation (M)[2,9]		Mascot
2297.1677	2297.1306	-0.0371	-16	7	25	RVMTILFVTMVISYFSCM R					Mascot

37 plasma membrane calcium ATPase 3a [Danio rerio] gi|313482836 129460.6 5.41 14 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4131	864.467	0.0539	62	626	632	DKDEMVK					Mascot
882.4501	882.5421	0.092	104	609	615	CSFILSR			Carbamidomethyl (C)[1]		Mascot
919.5148	919.4553	-0.0595	-65	1100	1106	GQILWFR					Mascot
922.4628	922.4402	-0.0226	-24	950	957	IFDIDSGR					Mascot
1165.6074	1165.7137	0.1063	91	84	93	VFGMNFIPPK			Oxidation (M)[4]		Mascot

1231.5913	1231.5604	-0.0309	-25	742	751	NEKGEIEQER							Mascot
1277.7074	1277.6776	-0.0298	-23	83	93	KVFGMNFIPPK							Mascot
1629.7603	1629.7964	0.0361	22	65	80	TSPADGLSDNPADLEK							Mascot
1699.8142	1699.8876	0.0734	43	581	595	KSMSTVIQMPDGSFR				Oxidation (M)[3]			Mascot
1791.7863	1791.6786	-0.1077	-60	719	734	CGIIHPGDDFLCMEGK				Carbamidomethyl (C)[1]			Mascot
1936.8198	1936.8641	0.0443	23	457	474	HLDACETMGNATAICSDK				Carbamidomethyl (C)[5]			Mascot
1993.8412	1993.9196	0.0784	39	457	474	HLDACETMGNATAICSDK				Carbamidomethyl (C)[5,15]			Mascot
2211.2053	2211.0793	-0.126	-57	200	220	NSTVIQIPVAEMVVGDI QVK							Mascot
2282.999	2283.1208	0.1218	53	719	738	CGIIHPGDDFLCMEGKDF NR				Oxidation (M)[13]			Mascot
2282.999	2283.1208	0.1218	53	719	738	CGIIHPGDDFLCMEGKDF NR				Oxidation (M)[13]			Mascot
2705.2075	2705.1084	-0.0991	-37	451	474	DNNLVRHLDACETMGNA TAICSDK				Carbamidomethyl (C)[11,21]			Mascot

38 RecName: Full=Intraflagellar transport protein 172 homolog gi|82232659 197655 5.61 19 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
811.4018	811.3922	-0.0096	-12	1291	1297	AVDCYLK					Mascot
882.4501	882.5421	0.092	104	828	834	ALECYRK					Mascot
1051.5419	1051.6844	0.1425	136	1384	1391	LEEYVDKR					Mascot
1165.6034	1165.7137	0.1103	95	1480	1488	MFQELVNL			Oxidation (M)[1]		Mascot
1217.5289	1217.5714	0.0425	35	1010	1018	NKMYDDMIR			Oxidation (M)[3,7]		Mascot
1345.6747	1345.6646	-0.0101	-8	488	498	IDWLELNETGR					Mascot
1495.775	1495.8064	0.0314	21	1664	1678	GTYEASLVAASTGIR					Mascot
1495.775	1495.8064	0.0314	21	1664	1678	GTYEASLVAASTGIR					Mascot
1572.8744	1572.7936	-0.0808	-51	507	519	LRLHLYDISSVK					Mascot
1572.8744	1572.7936	-0.0808	-51	507	519	LRLHLYDISSVK					Mascot
1594.8839	1594.6644	-0.2195	-138	81	94	IAVAQTDNIIFVYK					Mascot
1629.7611	1629.7964	0.0353	22	964	977	CMTQEDVSVLYVSR					Mascot
1699.8035	1699.8876	0.0841	49	225	238	EGNVIQTFDYSRDR					Mascot
1707.9388	1707.7273	-0.2115	-124	899	913	ALHILELQEDRTAAK					Mascot
1720.9268	1720.803	-0.1238	-72	1158	1172	FNEAEIEFIKAGKPK					Mascot
1720.9268	1720.803	-0.1238	-72	1158	1172	FNEAEIEFIKAGKPK					Mascot
1937.0814	1936.8641	-0.2173	-112	630	646	TLSKLSLEAQQHLIAER					Mascot
2211.0508	2211.0793	0.0285	13	19	38	VTMAWAPNNAKFAVCT IDR					Mascot
2230.0234	2230.0957	0.0723	32	301	319	LSVGTLCGGVEMFDCC			Carbamidomethyl (C)[7,15,16]		Mascot

	2268.0488	2267.9756	-0.0732	-32	742	760	RR SYYSYLMETNQNEKAAE VK						Mascot
	2268.0723	2267.9756	-0.0967	-43	19	38	VTCTMAWAPNNAKFAVCT IDR	Carbamidomethyl (C)[3]					Mascot
	2284.0671	2284.1187	0.0516	23	19	38	VTCTMAWAPNNAKFAVCT IDR	Carbamidomethyl (C)[3], Oxidation (M)[4]					Mascot
	2705.3542	2705.1084	-0.2458	-91	1572	1595	AFYEAGLAAKAVGWENM AFIFLNR	Oxidation (M)[17]					Mascot
	3337.3862	3337.6877	0.3015	90	1263	1290	EYSEGNWGVGEMIEQA QEWEQTGEYSR	Oxidation (M)[13]					Mascot
39	Zgc:171573 protein [Danio rerio]					gi 166796220	28101.6	9.65	6	30	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4937	864.467	-0.0267	-31	30	36	IFSDKVR					Mascot
1711.9701	1711.8464	-0.1237	-72	35	50	VRTIGVDIDALGQQVK					Mascot
1795.8973	1795.7542	-0.1431	-80	144	157	KQEQQLYSWTTQQK					Mascot
1937.045	1936.8641	-0.1809	-93	122	139	QEGQRILPGLVGEDLGQ K					Mascot
2211.042	2211.0793	0.0373	17	65	83	VYADDLLCSDGIACILEQ R			Carbamidomethyl (C)[8,14]		Mascot
2616.1123	2616.3196	0.2073	79	169	189	QEENNMTKSECLWTAEL SNCR			Carbamidomethyl (C)[11,20], Oxidation (M)[6]		Mascot

40	igLON family member 5 [Danio rerio]					gi 136256065	36989.9	7.57	7	30	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
811.3623	811.3922	0.0299	37	1	7	MSCAMLR					Mascot
1952.0747	1951.9247	-0.15	-77	315	332	LSGVGLWFCLSISVLMKV					Mascot
1952.0747	1951.9247	-0.15	-77	315	332	LSGVGLWFCLSISVLMKV					Mascot
2080.1921	2080.0183	-0.1738	-84	2	19	SCAMLRHALALLLALLWK			Carbamidomethyl (C)[2]		Mascot
2211.2327	2211.0793	-0.1534	-69	1	19	MSCAMLRHALALLLALLW K			Carbamidomethyl (C)[3]		Mascot
2245.0376	2245.0493	0.0117	5	93	111	IERVMADEGPYTCSFQ AR			Carbamidomethyl (C)[14], Oxidation (M)[5]		Mascot
2269.0852	2268.9763	-0.1089	-48	96	115	VMVADEGPYTCSFQARN KPR					Mascot
2284.2368	2284.1187	-0.1181	-52	205	225	VTVNPPIITDVKNMPAQ VGK					Mascot

41	MCM6 minichromosome maintenance deficient 6, like [Danio rerio]					gi 70887711	93152.1	5.23	12	30	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	856.49	856.499	0.009	11	87	93	AVRHFAR										Mascot
	919.4591	919.4553	-0.0038	-4	597	605	QRDGGGTTK										Mascot
	996.5261	996.5714	0.0453	45	194	201	FVDFQKGR										Mascot
	1165.6252	1165.7137	0.0885	76	747	755	SELINWYLK										Mascot
	1217.5757	1217.5714	-0.0043	-4	224	235	AEAVETAQAGDR										Mascot
	1277.6195	1277.6776	0.0581	45	321	330	NQMTVLEWEK										Mascot
	1310.578	1310.5654	-0.0126	-10	735	745	MEQLDEDSSLK					Oxidation (M)[1]					Mascot
	1345.7621	1345.6646	-0.0975	-72	610	620	ITVRQLESMLR										Mascot
	1475.7502	1475.7114	-0.0388	-26	90	102	HFARDHGNIPPSK										Mascot
	1707.8306	1707.7273	-0.1033	-60	168	182	YTQPTICKNPVCANR										Mascot
	2211.1875	2211.0793	-0.1082	-49	361	381	GILLMLFGGVAKTTMEGT SLR					Oxidation (M)[5]					Mascot
	2297.1812	2297.1306	-0.0506	-22	575	593	QFQPKITVEAQEFVVDQY K										Mascot

42 PREDICTED: hypothetical protein LOC100536366 [Danio rerio] gi|326674226 29395.1 8.05 7 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4791	882.5421	0.063	71	111	117	HLEKAER					Mascot
996.439	996.5714	0.1324	133	249	256	CMNVSTWR					Mascot
1231.6212	1231.5604	-0.0608	-49	115	124	AERNCNQIVK			Carbamidomethyl (C)[5]		Mascot
1594.8444	1594.6644	-0.18	-113	79	92	VFSCCLALQQTLLR					Mascot
1937.0347	1936.8641	-0.1706	-88	79	95	VFSCCLALQQTLLRDVK					Mascot
1994.0562	1993.9196	-0.1366	-69	79	95	VFSCCLALQQTLLRDVK			Carbamidomethyl (C)[4]		Mascot
2705.1904	2705.1084	-0.082	-30	24	45	EEIQKVFDDYECVLSHTI CCDR					Mascot
3337.6807	3337.6877	0.007	2	1	28	MVEYDLFHQQIVSIMALL SETAREEIQK			Oxidation (M)[1]		Mascot

43 PREDICTED: ribonuclease P 25 subunit [Danio rerio] gi|326680347 22061.4 8.78 6 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
938.5417	938.4674	-0.0743	-79	105	113	VAGLHQVSK					Mascot
1165.6068	1165.7137	0.1069	92	94	103	TITCAEIMKR					Mascot
1277.7147	1277.6776	-0.0371	-29	63	73	IRNLLGFAMSR					Mascot
1475.79	1475.7114	-0.0786	-53	183	195	RPLSPCDHPGLKR					Mascot
2193.1221	2193.0828	-0.0393	-18	36	56	STGEPIPNPIGLASDVLE MR					Mascot

2299.1677

2299.1267

-0.041

-18

4

24

ELHDNTQPVLNPTNPIG
PSK

Mascot

44

PREDICTED: heat-stable enterotoxin receptor-like
[Danio rerio]

gi|326665604

115779.3

7.15

14

30

0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4781	850.521	0.0429	50	921	927	RGETFLK					Mascot
856.5039	856.499	-0.0049	-6	177	183	NLKPAWK					Mascot
1051.5935	1051.6844	0.0909	86	629	636	LYLVQYPR					Mascot
1165.6212	1165.7137	0.0925	79	504	513	GSLRYVLDDK					Mascot
1179.4623	1179.571	0.1087	92	663	671	SCWEEDPEK			Carbamidomethyl (C)[2]		Mascot
1310.6475	1310.5654	-0.0821	-63	422	432	NYISLTIDEDK					Mascot
1503.6896	1503.7324	0.0428	28	877	889	YCLFGDTVNTASR			Carbamidomethyl (C)[2]		Mascot
1711.7242	1711.8464	0.1222	71	490	503	FDCGVFGVFECER			Carbamidomethyl (C)[3]		Mascot
1784.74	1784.8604	0.1204	67	614	628	KSPFHTSCCSDMAEK			Carbamidomethyl (C)[8,9]		Mascot
1784.74	1784.8604	0.1204	67	614	628	KSPFHTSCCSDMAEK			Carbamidomethyl (C)[8,9]		Mascot
1795.8955	1795.7542	-0.1413	-79	163	176	IAEFFFFHWHTSVK					Mascot
1936.9844	1936.8641	-0.1203	-62	858	876	IGIHSGPCAAGVVGNKMP R			Carbamidomethyl (C)[8], Oxidation (M)[17]		Mascot
1952.0851	1951.9247	-0.1604	-82	598	614	GDVYSFAISQEILRK					Mascot
1952.0851	1951.9247	-0.1604	-82	468	483	IELNALLRIDYYNLTK					Mascot
2705.2156	2705.1084	-0.1072	-40	615	636	SPFHTSCCSDMAEKLYL VQYPR			Carbamidomethyl (C)[7,8], Oxidation (M)[11]		Mascot

45

PREDICTED: tRNA-dihydrouridine synthase 2-like
[Danio rerio]

gi|292628574

56676.6

6.04

10

29

0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.473	842.4849	0.0119	14	436	443	TLGLPEGR					Mascot
919.4995	919.4553	-0.0442	-48	298	305	VESPGGKR					Mascot
1045.4628	1045.5367	0.0739	71	288	295	YCLCQMLR			Oxidation (M)[6]		Mascot
1051.6007	1051.6844	0.0837	80	180	190	TGVAAIAVHGR					Mascot
1277.6041	1277.6776	0.0735	58	129	141	GGMGSAALLSDPEK			Oxidation (M)[3]		Mascot
1310.7361	1310.5654	-0.1707	-130	180	192	TGVAAIAVHGRMK					Mascot
1699.9346	1699.8876	-0.047	-28	19	33	NILAPMVRVGTLPMPR			Oxidation (M)[6,14]		Mascot
2269.1672	2268.9763	-0.1909	-84	34	53	LLALDYGADIVYCEELIDI K					Mascot
2299.1387	2299.1267	-0.012	-5	259	278	QQGALSVDQVMQEYITY AVR					Mascot

	2384.1484	2383.8904	-0.258	-108	237	258	ESTGASSVMLARAAMWN PSVFR					Oxidation (M)[9]	Mascot
46	zinc finger protein 502-like [Danio rerio]				gi 118150562		50759.6	9.28	13	29	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
820.3076	820.1927	-0.1149	-140	327	332	CSHCEK			Carbamidomethyl (C)[1,4]		Mascot
919.3872	919.4553	0.0681	74	327	333	CSHCEKR			Carbamidomethyl (C)[1]		Mascot
922.441	922.4402	-0.0008	-1	250	257	CSKSGDLR			Carbamidomethyl (C)[1]		Mascot
1045.5537	1045.5367	-0.017	-16	333	341	RFNSSGHLK					Mascot
1217.6749	1217.5714	-0.1035	-85	280	289	DLGHLKIHIER					Mascot
1699.8043	1699.8876	0.0833	49	154	167	ERPYPCTVCGKSFR			Carbamidomethyl (C)[6]		Mascot
1707.8192	1707.7273	-0.0919	-54	206	220	VHTGEKPYICSVCSK			Carbamidomethyl (C)[10]		Mascot
1718.7626	1718.8385	0.0759	44	374	388	IHTGEKPYTCSHCDK					Mascot
1795.8102	1795.7542	-0.056	-31	290	304	THTGEKPYTCSLCNK			Carbamidomethyl (C)[10,13]		Mascot
1861.8319	1861.8936	0.0617	33	262	276	THTGEKPYKCSHCEK			Carbamidomethyl (C)[10,13]		Mascot
1861.8319	1861.8936	0.0617	33	262	276	THTGEKPYKCSHCEK			Carbamidomethyl (C)[10,13]		Mascot
1951.9113	1951.9247	0.0134	7	290	305	THTGEKPYTCSLCNKR			Carbamidomethyl (C)[10,13]		Mascot
1951.9113	1951.9247	0.0134	7	290	305	THTGEKPYTCSLCNKR			Carbamidomethyl (C)[10,13]		Mascot
2079.8972	2080.0183	0.1211	58	184	199	EYMCFECEKTFHTAVK			Carbamidomethyl (C)[4,7]		Mascot
2225.0339	2225.0671	0.0332	15	371	388	HVRIHTGEKPYTCSHCDK			Carbamidomethyl (C)[13,16]		Mascot
2225.0339	2225.0671	0.0332	15	371	388	HVRIHTGEKPYTCSHCDK			Carbamidomethyl (C)[13,16]		Mascot

47	novel protein similar to H.sapiens ATPase, Ca++ transporting, plasma membrane (zgc:92885) [Danio re				gi 169145692		138055	5.51	14	29	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4131	864.467	0.0539	62	626	632	DKDEMVK					Mascot
882.4501	882.5421	0.092	104	609	615	CSFILSR			Carbamidomethyl (C)[1]		Mascot
919.5148	919.4553	-0.0595	-65	1100	1106	GQILWFR					Mascot
922.4628	922.4402	-0.0226	-24	950	957	IFDIDSGR					Mascot
1165.6074	1165.7137	0.1063	91	84	93	VFGMNFIPPK			Oxidation (M)[4]		Mascot
1231.5913	1231.5604	-0.0309	-25	742	751	NEKGEIEQER					Mascot
1277.7074	1277.6776	-0.0298	-23	83	93	KVFGMNFIPPK					Mascot
1629.7603	1629.7964	0.0361	22	65	80	TSPADGLSDNPADLEK					Mascot
1699.8142	1699.8876	0.0734	43	581	595	KSMSTVIQMPDGSFR			Oxidation (M)[3]		Mascot

	1791.7863	1791.6786	-0.1077	-60	719	734	CGIIHPGDDFLCMEGK		Carbamidomethyl (C)[1]	Mascot	
	1936.8198	1936.8641	0.0443	23	457	474	HLDACETMGNATAICSDK		Carbamidomethyl (C)[5]	Mascot	
	1993.8412	1993.9196	0.0784	39	457	474	HLDACETMGNATAICSDK		Carbamidomethyl (C)[5,15]	Mascot	
	2211.2053	2211.0793	-0.126	-57	200	220	NSTVIQIPVAEMVVGDI QVK			Mascot	
	2282.999	2283.1208	0.1218	53	719	738	CGIIHPGDDFLCMEGKDF NR		Oxidation (M)[13]	Mascot	
	2282.999	2283.1208	0.1218	53	719	738	CGIIHPGDDFLCMEGKDF NR		Oxidation (M)[13]	Mascot	
	2705.2075	2705.1084	-0.0991	-37	451	474	DNNLVRHLDACETMGNA TAICSDK		Carbamidomethyl (C)[11,21]	Mascot	
48	guanine nucleotide binding protein (G protein), alpha 11 gi 113682158						46986.8	5.43	8	29	0
	(Gq class) [Danio rerio]										

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1165.6	1165.7137	0.1137	98	97	105	IPFRFEDNK					Mascot
1578.8057	1578.6738	-0.1319	-84	169	181	GYMPTQQDVLRVR			Oxidation (M)[3]		Mascot
1695.6403	1695.8179	0.1776	105	2	16	TLESMMACCMSEEAK			Oxidation (M)[5,6]		Mascot
1699.9014	1699.8876	-0.0138	-8	387	400	DTILQHNLKEYNLV					Mascot
1711.6351	1711.8464	0.2113	123	2	16	TLESMMACCMSEEAK			Oxidation (M)[5,6,10]		Mascot
1720.6719	1720.803	0.1311	76	2	16	TLESMMACCMSEEAK			Carbamidomethyl (C)[8]		Mascot
1720.6719	1720.803	0.1311	76	2	16	TLESMMACCMSEEAK			Carbamidomethyl (C)[8]		Mascot
1763.8381	1763.7555	-0.0826	-47	56	70	QMRIHGTGYTDEDK					Mascot
1763.8381	1763.7555	-0.0826	-47	56	70	QMRIHGTGYTDEDK					Mascot
2268.1216	2267.9756	-0.146	-64	113	132	EVDVEKVCSEQPYVA AI NK					Mascot
2268.1216	2267.9756	-0.146	-64	113	132	EVDVEKVCSEQPYVA AI NK					Mascot
2268.8984	2268.9763	0.0779	34	1	19	MTLESMMACCMSEEAK SK			Carbamidomethyl (C)[9,10], Oxidation (M)[1]		Mascot
2284.2375	2284.1187	-0.1188	-52	298	316	TIITYPWFQNSSVILFLNK					Mascot

49 85 kDa calcium-independent phospholipase A2 [Danio rerio] gi|47085837 90633.6 6.09 13 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
935.4832	935.45	-0.0332	-35	451	459	GFVEADGLK					Mascot
938.4213	938.4674	0.0461	49	553	560	NEFGENTK					Mascot
1045.571	1045.5367	-0.0343	-33	467	476	LLCLDGGGIK			Carbamidomethyl (C)[3]		Mascot
1106.5874	1106.5294	-0.058	-52	569	578	VMVTSVLADR			Oxidation (M)[2]		Mascot

	1231.5194	1231.5604	0.041	33	184	194	NGETPMHCAAK		Carbamidomethyl (C)[8], Oxidation (M)[6]	Mascot	
	1572.8129	1572.7936	-0.0193	-12	635	647	VTDEEQLVWRAAR			Mascot	
	1572.8129	1572.7936	-0.0193	-12	635	647	VTDEEQLVWRAAR			Mascot	
	1718.6489	1718.8385	0.1896	110	742	757	MLVDCCTSDSGCAVDR		Oxidation (M)[1]	Mascot	
	1795.902	1795.7542	-0.1478	-82	645	661	AARSSGAAPTYFRPMGR			Mascot	
	2193.1597	2193.0828	-0.0769	-35	569	587	VMVTSVLADRHHPGELHL FR		Oxidation (M)[2]	Mascot	
	2225.0549	2225.0671	0.0122	5	148	168	DAQGQTPLHLACERGDV GCVR			Mascot	
	2225.0549	2225.0671	0.0122	5	148	168	DAQGQTPLHLACERGDV GCVR			Mascot	
	2231.1489	2231.0825	-0.0664	-30	306	325	GCNVNYLSKTGESPLHIL TK		Carbamidomethyl (C)[2]	Mascot	
	2297.051	2297.1306	0.0796	35	245	264	CDIMGNNGFPIHTAMKFS EK		Carbamidomethyl (C)[1]	Mascot	
	2617.3442	2617.0767	-0.2675	-102	1	23	MQFLGRILDTVSSVSLF SNPYR			Mascot	
50	PREDICTED: thyroid peroxidase-like [Danio rerio]				gi 326675404		36205.2	4.89	1	18	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1951.9252	1951.9247	-0.0005	0	245	261	VICDNSGLMEVPLDAFR	18	0	Carbamidomethyl (C)[3], Oxidation (M)[9]	2	Mascot

Gel Idx/Pos	231/J7	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	malate dehydrogenase, mitochondrial [Danio rerio]	gi 47085883	35397.5	8.4	13	923	100	836	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
992.5411	992.5095	-0.0316	-32	176	184	ANTFVAELK					Mascot
1090.5813	1090.5186	-0.0627	-57	314	323	LVADAMTELK					Mascot
1106.5762	1106.5194	-0.0568	-51	314	323	LVADAMTELK			Oxidation (M)[6]		Mascot
1138.6506	1138.6178	-0.0328	-29	286	295	YFSTPLLLGK					Mascot
1181.5619	1181.5293	-0.0326	-28	269	278	EGVVECSFVR	91	100	Carbamidomethyl (C)[6]		Mascot
1181.5619	1181.5293	-0.0326	-28	269	278	EGVVECSFVR			Carbamidomethyl (C)[6]		Mascot
1233.7201	1233.6848	-0.0353	-29	165	175	IFGVTTLDIVR					Mascot
1233.7201	1233.6848	-0.0353	-29	165	175	IFGVTTLDIVR	86	100			Mascot
1320.6793	1320.6439	-0.0354	-27	78	90	GYIGADQLGDALK					Mascot

	1352.7355	1352.699	-0.0365	-27	91	103	GCEVVVIPAGVPR						Carbamidomethyl (C)[2]	Mascot
	1352.7355	1352.699	-0.0365	-27	91	103	GCEVVVIPAGVPR	102	100				Carbamidomethyl (C)[2]	Mascot
	1454.7056	1454.6658	-0.0398	-27	241	256	AGAGSATLSMAYAGAR							Mascot
	1470.7006	1470.6592	-0.0414	-28	241	256	AGAGSATLSMAYAGAR						Oxidation (M)[10]	Mascot
	1503.7802	1503.7397	-0.0405	-27	215	228	VEFPADQLSALTGR							Mascot
	1503.7802	1503.7397	-0.0405	-27	215	228	VEFPADQLSALTGR	134	100					Mascot
	1793.0895	1793.0408	-0.0487	-27	26	44	VAVLGASGGIGQPLSLLK							Mascot
	2166.0496	2165.9907	-0.0589	-27	110	129	DDL FNTNATIVATLV DGCAR						Carbamidomethyl (C)[18]	Mascot
	2166.0496	2165.9907	-0.0589	-27	110	129	DDL FNTNATIVATLV DGCAR	206	100				Carbamidomethyl (C)[18]	Mascot
	2470.385	2470.3232	-0.0618	-25	191	214	VNVPVVGGHAGITIIP LISKQCTPK						Carbamidomethyl (C)[21]	Mascot
	3089.5901	3089.5176	-0.0725	-23	45	73	NSPLVSELSLFDIAHTPGVAADLSHIETR	216	100					Mascot
	3089.5901	3089.5176	-0.0725	-23	45	73	NSPLVSELSLFDIAHTPGVAADLSHIETR							Mascot

2 Prps1a protein [Danio rerio] gi|68534248 34857.1 6.51 12 319 100 252 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
860.4909	860.4687	-0.0222	-26	207	214	MVLVGDK						Mascot
876.4858	876.4598	-0.026	-30	207	214	MVLVGDK				Oxidation (M)[1]		Mascot
1169.6677	1169.6351	-0.0326	-28	187	196	LNVDFA LIHK						Mascot
1393.7296	1393.6927	-0.0369	-26	85	96	VTAVIPC FPYAR	79	100		Carbamidomethyl (C)[7]		Mascot
1393.7296	1393.6927	-0.0369	-26	85	96	VTAVIPC FPYAR				Carbamidomethyl (C)[7]		Mascot
1402.6962	1402.6555	-0.0407	-29	6	18	IFSGSSH PDLSQK						Mascot
1454.8114	1454.6658	-0.1456	-100	187	198	LNVDFA LIHKER						Mascot
1684.9666	1684.9191	-0.0475	-28	289	303	IQVIDIS MILAEAIR						Mascot
1700.9615	1700.9149	-0.0466	-27	289	303	IQVIDIS MILAEAIR	37	94.16		Oxidation (M)[8]		Mascot
1700.9615	1700.9149	-0.0466	-27	289	303	IQVIDIS MILAEAIR				Oxidation (M)[8]		Mascot
1754.8014	1754.7528	-0.0486	-28	35	49	FSNQETC VEIGESVR	136	100		Carbamidomethyl (C)[7]		Mascot
1754.8014	1754.7528	-0.0486	-28	35	49	FSNQETC VEIGESVR				Carbamidomethyl (C)[7]		Mascot
1801.9958	1801.9453	-0.0505	-28	246	262	VYAILTHG IFSGPAISR						Mascot
1882.8962	1882.8414	-0.0548	-29	34	49	KFSNQETC VEIGESVR				Carbamidomethyl (C)[8]		Mascot
1986.0114	1986.0006	-0.0108	-5	1	18	MPNIKIFSGSSH PDLSQK						Mascot
2278.0149	2277.9631	-0.0518	-23	217	237	VAILVDDMADTCGTVCHADK				Carbamidomethyl (C)[12,16], Oxidation (M)[8]		Mascot
2457.2983	2457.2349	-0.0634	-26	263	284	INNANFEAVVVTNTIPQEDKIK						Mascot

3 ribose-phosphate pyrophosphokinase 1 [Danio rerio] gi|115496856 34778 6.51 10 300 100 252 100

Peptide Information													
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification				Rank	Result	Type
860.4909	860.4687	-0.0222	-26	205	212 MVLVGDK							Mascot	
876.4858	876.4598	-0.026	-30	205	212 MVLVGDK					Oxidation (M)[1]		Mascot	
1169.6677	1169.6351	-0.0326	-28	185	194 LNVDFALHK							Mascot	
1393.7296	1393.6927	-0.0369	-26	85	96 VTAVIPCFPYAR	79	100	Carbamidomethyl (C)[7]				Mascot	
1393.7296	1393.6927	-0.0369	-26	85	96 VTAVIPCFPYAR			Carbamidomethyl (C)[7]				Mascot	
1454.8114	1454.6658	-0.1456	-100	185	196 LNVDFALHKER							Mascot	
1684.9666	1684.9191	-0.0475	-28	287	301 IQVIDISMILAEAIR							Mascot	
1700.9615	1700.9149	-0.0466	-27	287	301 IQVIDISMILAEAIR	37	94.16	Oxidation (M)[8]				Mascot	
1700.9615	1700.9149	-0.0466	-27	287	301 IQVIDISMILAEAIR			Oxidation (M)[8]				Mascot	
1754.8014	1754.7528	-0.0486	-28	35	49 FSNQETCVEIGESVR	136	100	Carbamidomethyl (C)[7]				Mascot	
1754.8014	1754.7528	-0.0486	-28	35	49 FSNQETCVEIGESVR			Carbamidomethyl (C)[7]				Mascot	
1801.9958	1801.9453	-0.0505	-28	244	260 VYALTHGIFSGPAISR							Mascot	
1882.8962	1882.8414	-0.0548	-29	34	49 KFSNQETCVEIGESVR			Carbamidomethyl (C)[8]				Mascot	
2166.1772	2165.9907	-0.1865	-86	283	301 HCPKIQVIDISMILAEAIR			Oxidation (M)[12]				Mascot	
2166.1772	2165.9907	-0.1865	-86	283	301 HCPKIQVIDISMILAEAIR			Oxidation (M)[12]				Mascot	
2278.0149	2277.9631	-0.0518	-23	215	235 VAILVDDMADTCGTVCHAADK			Carbamidomethyl (C)[12,16], Oxidation (M)[8]				Mascot	
4	phosphoribosyl pyrophosphate synthetase 1A [Danio rerio]				gi 126541102	32796.1	6.66	11	274	100	216	100	

Peptide Information													
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification				Rank	Result	Type
860.4909	860.4687	-0.0222	-26	207	214 MVLVGDK							Mascot	
876.4858	876.4598	-0.026	-30	207	214 MVLVGDK					Oxidation (M)[1]		Mascot	
1169.6677	1169.6351	-0.0326	-28	187	196 LNVDFALHK							Mascot	
1393.7296	1393.6927	-0.0369	-26	85	96 VTAVIPCFPYAR	79	100	Carbamidomethyl (C)[7]				Mascot	
1393.7296	1393.6927	-0.0369	-26	85	96 VTAVIPCFPYAR			Carbamidomethyl (C)[7]				Mascot	
1402.6962	1402.6555	-0.0407	-29	6	18 IFSGSSHPDLSQK							Mascot	
1454.8114	1454.6658	-0.1456	-100	187	198 LNVDFALHKER							Mascot	
1754.8014	1754.7528	-0.0486	-28	35	49 FSNQETCVEIGESVR	136	100	Carbamidomethyl (C)[7]				Mascot	
1754.8014	1754.7528	-0.0486	-28	35	49 FSNQETCVEIGESVR			Carbamidomethyl (C)[7]				Mascot	
1801.9958	1801.9453	-0.0505	-28	246	262 VYALTHGIFSGPAISR							Mascot	
1882.8962	1882.8414	-0.0548	-29	34	49 KFSNQETCVEIGESVR			Carbamidomethyl (C)[8]				Mascot	

	1986.0114	1986.0006	-0.0108	-5	1	18	MPNIKIFSGSSHPDLSQK									Mascot
	2278.0149	2277.9631	-0.0518	-23	217	237	VAILVDDMADTCGTVCHA ADK						Carbamidomethyl (C)[12,16], Oxidation (M)[8]			Mascot
	2457.2983	2457.2349	-0.0634	-26	263	284	INNANFEAVVVTNTIPQE DKIK									Mascot
5	MOSC domain-containing protein 1, mitochondrial precursor [Danio rerio]					gi 62122937	36692.9	6.28	12	71	99.662					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
890.473	890.4456	-0.0274	-31	156	162	VSEWLTR					Mascot
1006.5316	1006.5005	-0.0311	-31	142	150	VFSVDVQGR					Mascot
1074.5942	1074.5635	-0.0307	-29	163	171	FLEADKPVR					Mascot
1204.599	1204.5631	-0.0359	-30	63	73	AVSVEAAECLR			Carbamidomethyl (C)[9]		Mascot
1311.6328	1311.5953	-0.0375	-29	5	15	EAFATIFDQNR					Mascot
1397.7423	1397.7041	-0.0382	-27	298	309	TSPILGQYYTVR					Mascot
1439.7278	1439.6903	-0.0375	-26	5	16	EAFATIFDQNRK					Mascot
1635.7795	1635.7357	-0.0438	-27	128	141	FPLNNSSDLVVDCR			Carbamidomethyl (C)[13]		Mascot
1728.8262	1728.7749	-0.0513	-30	265	279	CLFTTVDPETGVFSR			Carbamidomethyl (C)[1]		Mascot
1766.8643	1766.8162	-0.0481	-27	85	99	HWLVITEDGHMVTGR			Oxidation (M)[11]		Mascot
1986.0555	1986.0006	-0.0549	-28	172	187	LVHYEPDLKPQRPHEK					Mascot
2697.4512	2697.3767	-0.0745	-28	172	193	LVHYEPDLKPQRPHEKE PLFPK					Mascot

6	lethal(2) giant larvae protein homolog 2 [Danio rerio]					gi 47086863	113772.6	6.05	15	59	94.891					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.3914	850.5179	0.1265	149	7	13	HGHESQR					Mascot
996.5624	996.566	0.0036	4	416	424	KPWPINGGK					Mascot
1006.4925	1006.5005	0.008	8	6	13	RHGHESQR					Mascot
1090.564	1090.5186	-0.0454	-42	178	186	VPEDYVGRR					Mascot
1204.5966	1204.5631	-0.0335	-28	879	887	MLVHYPCIR			Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot
1233.6296	1233.6848	0.0552	45	211	220	GLMVLWDLDR			Oxidation (M)[3]		Mascot
1233.6296	1233.6848	0.0552	45	211	220	GLMVLWDLDR	14	0	Oxidation (M)[3]		Mascot
1320.6696	1320.6439	-0.0257	-19	16	25	HKQDLYQFNK					Mascot
1360.6976	1360.609	-0.0886	-65	879	888	MLVHYPCIRR			Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot
1498.6631	1498.6738	0.0107	7	490	502	KVGCFDPYSDDPR					Mascot
1503.7777	1503.7397	-0.038	-25	293	306	QGPPFLIFSGGMPR					Mascot

	1503.7777	1503.7397	-0.038	-25	293	306	QGPPFLIFSGGMPR	2	0		Mascot
	1684.9016	1684.9191	0.0175	10	783	798	GAPLPEPLEVAHDLAR				Mascot
	1787.8406	1787.8177	-0.0229	-13	163	177	ELEENNISVEDVQNR				Mascot
	1792.854	1793.0408	0.1868	104	902	916	YGQGFYLISPSEFER				Mascot
	2165.9988	2165.9907	-0.0081	-4	624	642	CTLNPSDQMAMEGPLSR VK			Carbamidomethyl (C)[1], Oxidation (M)[9,11]	Mascot
	2165.9988	2165.9907	-0.0081	-4	624	642	CTLNPSDQMAMEGPLSR VK			Carbamidomethyl (C)[1], Oxidation (M)[9,11]	Mascot
	2283.2681	2283.1228	-0.1453	-64	286	306	IIQLPSKQGPPFLIFSGGM PR				Mascot
7	PREDICTED: girdin [Danio rerio]				gi 292621031		111560.2	5.43	18	54	81.449

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	876.4785	876.4598	-0.0187	-21	68	75	SKVAEQSK					Mascot
	992.4102	992.5095	0.0993	100	714	721	ANMEEENR					Mascot
	1006.4622	1006.5005	0.0383	38	528	536	CAALEAESR			Carbamidomethyl (C)[1]		Mascot
	1045.5524	1045.5339	-0.0185	-18	220	228	EEALLEVSR					Mascot
	1090.5123	1090.5186	0.0063	6	326	335	DLANESAQSR					Mascot
	1138.5409	1138.6178	0.0769	68	736	745	ALMESSLESR			Oxidation (M)[3]		Mascot
	1181.6538	1181.5293	-0.1245	-105	883	893	LGSRHGWALGK					Mascot
	1181.6538	1181.5293	-0.1245	-105	883	893	LGSRHGWALGK					Mascot
	1233.6191	1233.6848	0.0657	53	284	293	RMCDLAQLR					Mascot
	1233.6191	1233.6848	0.0657	53	284	293	RMCDLAQLR					Mascot
	1302.6219	1302.6831	0.0612	47	582	592	SSHRSLAQCK			Carbamidomethyl (C)[10]		Mascot
	1311.5885	1311.5953	0.0068	5	294	304	ESCAQFEELQK					Mascot
	1320.5913	1320.6439	0.0526	40	7	18	GEAEGEKETENK					Mascot
	1360.6815	1360.609	-0.0725	-53	207	219	ESGVEAESLARGR					Mascot
	1402.7173	1402.6555	-0.0618	-44	605	616	KAQLEEAESIR					Mascot
	1503.7472	1503.7397	-0.0075	-5	134	146	MQAAIIAQLEDER			Oxidation (M)[1]		Mascot
	1503.7472	1503.7397	-0.0075	-5	134	146	MQAAIIAQLEDER			Oxidation (M)[1]		Mascot
	2166.0105	2165.9907	-0.0198	-9	736	753	ALMESSLESRDQHHNQ R					Mascot
	2166.0105	2165.9907	-0.0198	-9	736	753	ALMESSLESRDQHHNQ R					Mascot
	2298.1506	2298.1265	-0.0241	-10	355	375	LQMASQQRSTPEVALSP PDSR					Mascot
	2299.9949	2300.114	0.1191	52	961	981	VSSGTEDFHSSFDKPQD SDSK					Mascot
	2697.2671	2697.3767	0.1096	41	294	317	ESCAQFEELQKENTQLA SLNAESK					Mascot

8	PREDICTED: echinoderm microtubule associated				gi 326672044		191942.5	7.32	21	49	45.252
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protein like 6 [Danio rerio]

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
842.4617	842.4854	0.0237	28	433	439 EDLPQLK						Mascot
850.4451	850.5179	0.0728	86	1228	1234 QTMSVLRL			Oxidation (M)[3]			Mascot
992.473	992.5095	0.0365	37	288	295 SVCWRADRL						Mascot
996.5546	996.566	0.0114	11	714	721 CLKTYAIK			Carbamidomethyl (C)[1]			Mascot
1106.5034	1106.5194	0.016	14	1441	1450 DGEIMEVGEK						Mascot
1181.6049	1181.5293	-0.0756	-64	939	948 QTISSLEFEK						Mascot
1181.6049	1181.5293	-0.0756	-64	939	948 QTISSLEFEK						Mascot
1233.6521	1233.6848	0.0327	27	283	292 GLSIRSVLCWR			Carbamidomethyl (C)[8]			Mascot
1233.6521	1233.6848	0.0327	27	283	292 GLSIRSVLCWR			Carbamidomethyl (C)[8]			Mascot
1302.6688	1302.6831	0.0143	11	1605	1615 YIEVSTGSYKR						Mascot
1311.5569	1311.5953	0.0384	29	821	832 GGRCCAFSPDGK			Carbamidomethyl (C)[4,5]			Mascot
1320.6769	1320.6439	-0.033	-25	176	187 FWALCGNALTPK						Mascot
1360.6824	1360.609	-0.0734	-54	1228	1239 QTMSVLRCAHAK			Oxidation (M)[3]			Mascot
1470.8274	1470.6592	-0.1682	-114	1383	1396 DGLIVTGGKERPTK						Mascot
1626.7104	1626.7356	0.0252	15	701	713 DGVVELWDDMFER			Oxidation (M)[10]			Mascot
1711.8234	1711.7539	-0.0695	-41	13	25 LEWIGHYRGHQCR			Carbamidomethyl (C)[12]			Mascot
1787.8494	1787.8177	-0.0317	-18	902	917 GASSCITHVDWDVVRGK			Carbamidomethyl (C)[5]			Mascot
1792.9227	1793.0408	0.1181	66	1134	1148 KTVEELSLDHVFGYR						Mascot
1943.9385	1943.9105	-0.028	-14	208	224 EEVTYSGALNGDIYVWK						Mascot
2166.0859	2165.9907	-0.0952	-44	293	311 ADRILAGTQDSEIFEVMV R			Oxidation (M)[17]			Mascot
2166.0859	2165.9907	-0.0952	-44	293	311 ADRILAGTQDSEIFEVMV R			Oxidation (M)[17]			Mascot
2283.2019	2283.1228	-0.0791	-35	1285	1304 IFVVEFRPDSDTQFVSVG IK						Mascot
2300.0764	2300.114	0.0376	16	1135	1153 TVEELSLDHVFGYRGFD CR			Carbamidomethyl (C)[18]			Mascot
2697.3782	2697.3767	-0.0015	-1	471	494 NNLFYTQAGEVVYHVAA VAVVYNR						Mascot

9 novel protein [Danio rerio] gi|126632850 14386.2 8.68 7 48 20.865

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
842.473	842.4854	0.0124	15	14	21 TAITTHAK						Mascot
996.5737	996.566	-0.0077	-8	104	111 TLPWRPAR						Mascot

1181.6902	1181.5293	-0.1609	-136	104	113	TLPWRPARGK						Mascot
1181.6902	1181.5293	-0.1609	-136	104	113	TLPWRPARGK						Mascot
1418.7461	1418.7616	0.0155	11	1	13	MGLPGKPTFTDVR						Mascot
1626.6887	1626.7356	0.0469	29	32	45	VAQFMCHDTSTSDK				Carbamidomethyl (C)[6]		Mascot
1754.7837	1754.7528	-0.0309	-18	31	45	KVAQFMCHDTSTSDK				Carbamidomethyl (C)[7]		Mascot
1754.7837	1754.7528	-0.0309	-18	31	45	KVAQFMCHDTSTSDK				Carbamidomethyl (C)[7]		Mascot
1985.8934	1986.0006	0.1072	54	66	84	ALVEEEEDGEAAGTESP PR						Mascot

10 ral guanine nucleotide dissociation stimulator-like 2
[Danio rerio] gi|227430353 80400.1 8.77 13 47 11.209

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1106.5762	1106.5194	-0.0568	-51	422	431	DLTMLDTAVK					Mascot
1233.5681	1233.6848	0.1167	95	612	621	MDLHDGNLYR					Mascot
1233.5681	1233.6848	0.1167	95	612	621	MDLHDGNLYR					Mascot
1302.7303	1302.6831	-0.0472	-36	652	662	YELIQLLPEGK					Mascot
1352.6804	1352.699	0.0186	14	375	385	DNYSQSRELLK					Mascot
1352.6957	1352.699	0.0033	2	434	444	LENGFINFDKR					Mascot
1393.6992	1393.6927	-0.0065	-5	422	433	DLTMLDTAVKDR			Oxidation (M)[4]		Mascot
1393.6992	1393.6927	-0.0065	-5	422	433	DLTMLDTAVKDR			Oxidation (M)[4]		Mascot
1402.761	1402.6555	-0.1055	-75	20	32	LADCLSLAELK			Carbamidomethyl (C)[5]		Mascot
1728.9425	1728.7749	-0.1676	-97	1	15	MKRPEGDGVLLQTLR			Oxidation (M)[1]		Mascot
1754.9647	1754.7528	-0.2119	-121	179	195	LAPLLPTDSSGAEIKSR					Mascot
1754.9647	1754.7528	-0.2119	-121	179	195	LAPLLPTDSSGAEIKSR					Mascot
2074.9788	2074.9858	0.007	3	689	709	GGNTPTGSPNLGNETSA TFPR					Mascot
2224.9678	2225.061	0.0932	42	151	168	AVCTVFSTWMTDYPEDF R			Carbamidomethyl (C)[3]		Mascot
2224.9678	2225.061	0.0932	42	151	168	AVCTVFSTWMTDYPEDF R			Carbamidomethyl (C)[3]		Mascot
2233.0083	2233.0273	0.019	9	586	606	RSVSCGNNPTNSKPEAG PDMR			Oxidation (M)[20]		Mascot
2284.1577	2284.1169	-0.0408	-18	288	307	QFNRLANAVTASCLWMT TLK			Oxidation (M)[16]		Mascot

11 Zgc:175202 protein [Danio rerio] gi|166796345 111533.3 5.46 17 45 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
876.4785	876.4598	-0.0187	-21	68	75	SKVAEQSK					Mascot

992.4102	992.5095	0.0993	100	714	721	ANMEEENR							Mascot
1006.4622	1006.5005	0.0383	38	528	536	CAALEAESR					Carbamidomethyl (C)[1]		Mascot
1045.5524	1045.5339	-0.0185	-18	220	228	EEALLEVSR							Mascot
1090.5123	1090.5186	0.0063	6	326	335	DLANESAQSR							Mascot
1138.5409	1138.6178	0.0769	68	736	745	ALMESSLESR					Oxidation (M)[3]		Mascot
1181.6538	1181.5293	-0.1245	-105	883	893	LGSRHGWALGK							Mascot
1181.6538	1181.5293	-0.1245	-105	883	893	LGSRHGWALGK							Mascot
1233.6191	1233.6848	0.0657	53	284	293	RMCQDLAQLR							Mascot
1233.6191	1233.6848	0.0657	53	284	293	RMCQDLAQLR							Mascot
1302.6219	1302.6831	0.0612	47	582	592	SSHSLEAQCK					Carbamidomethyl (C)[10]		Mascot
1311.5885	1311.5953	0.0068	5	294	304	ESCAQFEELQK							Mascot
1320.5848	1320.6439	0.0591	45	234	244	EACQAELESQR					Carbamidomethyl (C)[3]		Mascot
1360.6815	1360.609	-0.0725	-53	207	219	ESGVEAESLARGR							Mascot
1402.7173	1402.6555	-0.0618	-44	605	616	KAQLEEAESIR							Mascot
1503.7472	1503.7397	-0.0075	-5	134	146	MQAAIIAQLEDER					Oxidation (M)[1]		Mascot
1503.7472	1503.7397	-0.0075	-5	134	146	MQAAIIAQLEDER					Oxidation (M)[1]		Mascot
2166.0105	2165.9907	-0.0198	-9	736	753	ALMESSLESRDQHHNQQ R							Mascot
2166.0105	2165.9907	-0.0198	-9	736	753	ALMESSLESRDQHHNQQ R							Mascot
2298.1506	2298.1265	-0.0241	-10	355	375	LQMASQQRSTPEVALSP PDSR							Mascot
2697.2671	2697.3767	0.1096	41	294	317	ESCAQFEELQKENTQLA SLNAESK							Mascot

12 hypothetical protein LOC100158480 [Xenopus (Silurana) tropicalis] gi|189230136 48869.1 6.2 10 43 0

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type	
882.5658	882.5417	-0.0241	-27	141	148	EAVILPIK						Mascot	
992.4279	992.5095	0.0816	82	237	245	SENESEAAAR						Mascot	
1045.5789	1045.5339	-0.045	-43	348	356	KVQSATHFK						Mascot	
1352.5861	1352.699	0.1129	83	386	396	EMTWMEVPGEK			Oxidation (M)[2]			Mascot	
1352.5861	1352.699	0.1129	83	386	396	EMTWMEVPGEK			Oxidation (M)[2]			Mascot	
1402.7173	1402.6555	-0.0618	-44	10	22	AIDLANKASQEDK						Mascot	
1498.786	1498.6738	-0.1122	-75	81	94	APAKPVKESQSN DK						Mascot	
1503.791	1503.7397	-0.0513	-34	397	409	LLEPIVMSDMLR						Mascot	
1503.791	1503.7397	-0.0513	-34	397	409	LLEPIVMSDMLR						Mascot	
1728.9061	1728.7749	-0.1312	-76	1	16	MAANNNLQKAIDLANK						Mascot	
2283.1536	2283.1228	-0.0308	-13	305	325	LNLGTTPNSLTESDFMTL			Oxidation (M)[16]			Mascot	

	2377.218	2377.0159	-0.2021	-85	326	347	GKK TDGYSGADISIIVRDALM QPVR									Mascot
13	novel protein similar to vertebrate phospholipase A2, group VI (PLA2G6) (zgc:77476) [Danio rerio]					gi 94733407	90549.6	6.09	14	43	0					

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1045.571	1045.5339	-0.0371	-35	467	476	LLCLDGGGIK				Carbamidomethyl (C)[3]		Mascot	
1090.5198	1090.5186	-0.0012	-1	169	177	ELLEECQAR						Mascot	
1106.5874	1106.5194	-0.068	-61	569	578	VMVTSVLADR				Oxidation (M)[2]		Mascot	
1138.5375	1138.6178	0.0803	71	26	35	DVQLSDYNGK						Mascot	
1320.694	1320.6439	-0.0501	-38	295	305	TAEMSRLLDR				Oxidation (M)[4]		Mascot	
1393.707	1393.6927	-0.0143	-10	24	35	VRDVQLSDYNGK						Mascot	
1393.707	1393.6927	-0.0143	-10	24	35	VRDVQLSDYNGK						Mascot	
1402.7325	1402.6555	-0.077	-55	634	644	KVTDEEQLVWR						Mascot	
1792.8007	1793.0408	0.2401	134	758	771	ARAWCEMADINYHR				Carbamidomethyl (C)[5]		Mascot	
2225.0549	2225.061	0.0061	3	148	168	DAQGQTPLHLACERGDV GCVR						Mascot	
2225.0549	2225.061	0.0061	3	148	168	DAQGQTPLHLACERGDV GCVR						Mascot	
2283.0354	2283.1228	0.0874	38	245	264	CDIMGNNGFPIHAAMKFS EK				Carbamidomethyl (C)[1], Oxidation (M)[4]		Mascot	
2298.158	2298.1265	-0.0315	-14	346	366	GQDGNTALHLAMKLDNM DLIK						Mascot	
2457.1948	2457.2349	0.0401	16	237	260	GLLGGGARCDIMGNGF PIHAAMK				Carbamidomethyl (C)[9]		Mascot	
2470.2944	2470.3232	0.0288	12	427	450	KAPPPGIGFNDIMQVAVA VTAMSR						Mascot	
3089.5442	3089.5176	-0.0266	-9	400	426	VLLNMLCSVGVERCHPP SLNSPTHSLR				Carbamidomethyl (C)[7,14], Oxidation (M)[5]		Mascot	
3089.5442	3089.5176	-0.0266	-9	400	426	VLLNMLCSVGVERCHPP SLNSPTHSLR				Carbamidomethyl (C)[7,14], Oxidation (M)[5]		Mascot	

14	vacuolar protein sorting 4 homolog b-like [Danio rerio]					gi 155369339	48868.1	6.66	10	42	0					
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Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
882.5658	882.5417	-0.0241	-27	141	148	EAVILPIK						Mascot	
992.4279	992.5095	0.0816	82	237	245	SENESEAAR						Mascot	
1045.5789	1045.5339	-0.045	-43	348	356	KVQSATHFK						Mascot	
1352.5861	1352.699	0.1129	83	386	396	EMTWMEVPGEK				Oxidation (M)[2]		Mascot	
1352.5861	1352.699	0.1129	83	386	396	EMTWMEVPGEK				Oxidation (M)[2]		Mascot	
1402.7173	1402.6555	-0.0618	-44	10	22	AIDLANKASQEDK						Mascot	

	1498.786	1498.6738	-0.1122	-75	81	94	APAKPVKESQSNDK							Mascot
	1503.791	1503.7397	-0.0513	-34	397	409	LLEPIVMSDMLR							Mascot
	1503.791	1503.7397	-0.0513	-34	397	409	LLEPIVMSDMLR							Mascot
	1728.9061	1728.7749	-0.1312	-76	1	16	MAANNLQKAILANK							Mascot
	2283.1536	2283.1228	-0.0308	-13	305	325	LNLGTTPNLSLTFDFTL GKK				Oxidation (M)[16]			Mascot
	2377.218	2377.0159	-0.2021	-85	326	347	TDGYSGADISIIVRDALM QPVR							Mascot
15	vacuolar protein sorting-associated protein 4B [Danio rerio]						gi 41053850	48887.2	7	10	42	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5658	882.5417	-0.0241	-27	141	148	EAVILPIK					Mascot
992.4279	992.5095	0.0816	82	237	245	SENESEAAR					Mascot
1045.5789	1045.5339	-0.045	-43	348	356	KVQSATHFK					Mascot
1352.5861	1352.699	0.1129	83	386	396	EMTWMEVPGEK			Oxidation (M)[2]		Mascot
1352.5861	1352.699	0.1129	83	386	396	EMTWMEVPGEK			Oxidation (M)[2]		Mascot
1402.7173	1402.6555	-0.0618	-44	10	22	AIDLANKASQEDK					Mascot
1498.786	1498.6738	-0.1122	-75	81	94	APAKPVKESQSNDK					Mascot
1503.791	1503.7397	-0.0513	-34	397	409	LLEPIVMSDMLR					Mascot
1503.791	1503.7397	-0.0513	-34	397	409	LLEPIVMSDMLR					Mascot
1728.9061	1728.7749	-0.1312	-76	1	16	MAANNLQKAILANK					Mascot
2283.1536	2283.1228	-0.0308	-13	305	325	LNLGTTPNLSLTFDFTL GKK			Oxidation (M)[16]		Mascot
2377.218	2377.0159	-0.2021	-85	326	347	TDGYSGADISIIVRDALM QPVR					Mascot

16	PREDICTED: endoplasmic reticulum-Golgi intermediate compartment protein 2-like [Danio rerio]						gi 326672443	41433.5	8.68	9	41	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.4854	-0.0352	-42	3	9	RPSLKNK					Mascot
890.5015	890.4456	-0.0559	-63	80	87	IDITVAMK					Mascot
1106.639	1106.5194	-0.1196	-108	296	304	YKLSPLMVR					Mascot
1439.7715	1439.6903	-0.0812	-56	336	347	LIGSFVDIICFR			Carbamidomethyl (C)[10]		Mascot
1498.8475	1498.6738	-0.1737	-116	91	106	LGADVLDIAGAVVASK					Mascot
1685.9196	1685.8705	-0.0491	-29	336	349	LIGSFVDIICFRFR					Mascot
1787.9473	1787.8177	-0.1296	-72	319	335	LCGIVGGIFSTDLLHR					Mascot

	1944.0219	1943.9105	-0.1114	-57	88	106	CERLGADVLDIAGAVVAS K						Carbamidomethyl (C)[1]	Mascot
	2278.0789	2277.9631	-0.1158	-51	199	217	GHAHYASFIKDEVYNFSH R							Mascot
17	friend leukemia integration 1 [Danio rerio]					gi 94734177		13937.6	5.27	6	40	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1090.4912	1090.5186	0.0274	25	36	44	EYDHINGSR					Mascot
1138.5262	1138.6178	0.0916	80	114	123	EYGLQEIDTA					Mascot
1393.6343	1393.6927	0.0584	42	2	14	TASGTQDYGQTHK					Mascot
1393.6343	1393.6927	0.0584	42	2	14	TASGTQDYGQTHK					Mascot
1787.9438	1787.8177	-0.1261	-71	90	105	VIVPADPSLWSPDHVR					Mascot
1944.045	1943.9105	-0.1345	-69	89	105	RVIVPADPSLWSPDHVR					Mascot
2457.019	2457.2349	0.2159	88	55	76	CNKMVGGTEASQMNYT GYMDEK					Mascot

18	glucosamine 6-phosphate N-acetyltransferase [Danio rerio]					gi 66773342		20759.6	5.95	6	40	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
860.4545	860.4687	0.0142	17	153	160	VTLECAPK					Mascot
876.4032	876.4598	0.0566	65	73	79	ANFEHMK					Mascot
1233.6144	1233.6848	0.0704	57	119	129	VEEVVSDVCR					Mascot
1233.6144	1233.6848	0.0704	57	119	129	VEEVVSDVCR	4		0		Mascot
1418.7307	1418.7616	0.0309	22	119	131	VEEVVSDVCRGK					Mascot
1503.7583	1503.7397	-0.0186	-12	117	129	GRVEEVVSDVCR			Carbamidomethyl (C)[12]		Mascot
1503.7583	1503.7397	-0.0186	-12	117	129	GRVEEVVSDVCR			Carbamidomethyl (C)[12]		Mascot
1801.752	1801.9453	0.1933	107	167	181	KFGYSASDETYMQCR			Oxidation (M)[12]		Mascot

19	PREDICTED: transformation/transcription domain-associated protein [Danio rerio]					gi 326672350		433471.2	8.52	27	39	0	11	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5155	882.5417	0.0262	30	2182	2189	AVHSLLSR					Mascot
890.4512	890.4456	-0.0056	-6	606	613	VANCQTVR					Mascot
992.4643	992.5095	0.0452	46	2520	2527	ERENSETK					Mascot
1045.5095	1045.5339	0.0244	23	3604	3612	EVQGNMVPR			Oxidation (M)[6]		Mascot

	890.4213	890.4456	0.0243	27	173	179	IDEKDDR							Mascot
	992.5808	992.5095	-0.0713	-72	699	707	SMVLSALKK					Oxidation (M)[2]		Mascot
	1074.5062	1074.5635	0.0573	53	70	78	VETDKDDPR							Mascot
	1138.5674	1138.6178	0.0504	44	839	847	DFRDVMISR							Mascot
	1503.8165	1503.7397	-0.0768	-51	829	841	SEPQTIIIGKDFR							Mascot
	1503.8165	1503.7397	-0.0768	-51	829	841	SEPQTIIIGKDFR							Mascot
	1700.9	1700.9149	0.0149	9	464	478	DPRMSLQDLGSLQIK	4		0				Mascot
	1700.9	1700.9149	0.0149	9	464	478	DPRMSLQDLGSLQIK							Mascot
	1728.7493	1728.7749	0.0256	15	285	300	ATASDEGTFTCVAENR					Carbamidomethyl (C)[11]		Mascot
	1882.9327	1882.8414	-0.0913	-48	600	617	AVNVQGLSDPSMSEPV R							Mascot
	2075.1243	2074.9858	-0.1385	-67	113	131	NYLGEAVSRNASLEVAL R							Mascot
	2166.0706	2165.9907	-0.0799	-37	842	860	DVMISRNNSTTEQITDV K					Oxidation (M)[3]		Mascot
	2166.0706	2165.9907	-0.0799	-37	842	860	DVMISRNNSTTEQITDV K					Oxidation (M)[3]		Mascot
21	novel protein (zgc:114168) [Danio rerio]				gi 220673162		33328.8	5.18	8	38	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.516	1045.5339	0.0179	17	256	264	STELPDVER					Mascot
1367.757	1367.6932	-0.0638	-47	265	275	LKPYQSLIDK					Mascot
1626.8638	1626.7356	-0.1282	-79	112	125	DWFQLVGLIHDVGK					Mascot
1684.7788	1684.9191	0.1403	83	186	198	VLMSWGHDEYLYR			Oxidation (M)[3]		Mascot
2166.0171	2165.9907	-0.0264	-12	167	185	NPALNTEFGIYEPQCGLD K			Carbamidomethyl (C)[15]		Mascot
2166.0171	2165.9907	-0.0264	-12	167	185	NPALNTEFGIYEPQCGLD K			Carbamidomethyl (C)[15]		Mascot
2233.1399	2233.0273	-0.1126	-50	107	125	EHPDKDWFQLVGLIHDV GK					Mascot
2298.1118	2298.1265	0.0147	6	2	21	RVVNMGPDPSPRAYRPEC HEK					Mascot
2470.178	2470.3232	0.1452	59	126	147	VMALYSEPQWAVVGDTY PVGCK			Carbamidomethyl (C)[21]		Mascot

22 PREDICTED: GTPase IMAP family member 4 [Danio rerio] gi|292616657 46823 9.07 10 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4189	842.4854	0.0665	79	305	311	VHQAEMK					Mascot
1090.5739	1090.5186	-0.0553	-51	84	94	SATGNTILGEK					Mascot
1138.4541	1138.6178	0.1637	144	35	45	GNMSNEGNSR			Oxidation (M)[3]		Mascot

	1181.5038	1181.5293	0.0255	22	291	299	CQETEREMR										Mascot
	1181.5038	1181.5293	0.0255	22	291	299	CQETEREMR										Mascot
	1320.6907	1320.6439	-0.0468	-35	195	206	LNGGSIQEFISR										Mascot
	1360.6526	1360.609	-0.0436	-32	243	253	VDELMIQNENR										Mascot
	1439.7025	1439.6903	-0.0122	-8	222	233	FVAFNNKNSNR										Mascot
	2211.1074	2211.0491	-0.0583	-26	305	323	VHQAEMKEQENSANIELI K										Mascot
	2377.0796	2377.0159	-0.0637	-27	51	72	ISAERTDNNNEGACGS QNVLR										Mascot
	2697.3831	2697.3767	-0.0064	-2	1	23	MFARELDTFAHQLSPA HKPVHK										Mascot

23

glutathione S-transferase, C-terminal domain containing gi|255003839 [Danio rerio]

67751.6

6.97

12

37

0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.493	870.5158	0.0228	26	76	83	DELPGLVK					Mascot
996.522	996.566	0.044	44	186	193	VHND DKIR					Mascot
1006.4444	1006.5005	0.0561	56	113	120	ACQLMPDR			Carbamidomethyl (C)[2], Oxidation (M)[5]		Mascot
1045.571	1045.5339	-0.0371	-35	446	454	CQVILVENK					Mascot
1106.5323	1106.5194	-0.0129	-12	203	212	SDSQVKDAEK					Mascot
1352.6189	1352.699	0.0801	59	158	168	HLQNPEDETNR					Mascot
1352.6189	1352.699	0.0801	59	158	168	HLQNPEDETNR					Mascot
1503.693	1503.7397	0.0467	31	600	614	GCSPKNNMLVGPEPTG					Mascot
1503.7914	1503.7397	-0.0517	-34	213	226	EPHPNVELSAALAR					Mascot
1635.8601	1635.7357	-0.1244	-76	299	311	WYQRTQELSGVLR					Mascot
1766.8313	1766.8162	-0.0151	-9	131	145	NTCLKACAEVSQWTR			Carbamidomethyl (C)[3]		Mascot
2075.0088	2074.9858	-0.023	-11	512	529	AGFVISPCCYGFIQNTLK			Carbamidomethyl (C)[8,9]		Mascot
2166.0471	2165.9907	-0.0564	-26	581	599	SWAAEAHGYSVRVMTMI PK			Oxidation (M)[14,16]		Mascot
2166.0471	2165.9907	-0.0564	-26	581	599	SWAAEAHGYSVRVMTMI PK			Oxidation (M)[14,16]		Mascot

24

sorting nexin family member 27 [Danio rerio]

gi|41054611

64121.8

5.8

10

37

0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5094	842.4854	-0.024	-28	121	127	QVVDLIR					Mascot
1138.5963	1138.6178	0.0215	19	12	23	SAAPSAIHS AAR					Mascot
1393.7434	1393.6927	-0.0507	-36	404	414	SYQLQKLTEQR					Mascot

1393.7434	1393.6927	-0.0507	-36	404	414	SYQLQKLTEQR						Mascot
1626.7792	1626.7356	-0.0436	-27	299	312	NCTTDQVYQAVVTK	Carbamidomethyl (C)[2]					Mascot
1754.8741	1754.7528	-0.1213	-69	298	312	KNCTTDQVYQAVVTK	Carbamidomethyl (C)[3]					Mascot
1754.8741	1754.7528	-0.1213	-69	298	312	KNCTTDQVYQAVVTK	Carbamidomethyl (C)[3]					Mascot
1985.7681	1986.0006	0.2325	117	482	497	WDTDEEGMAFCFEYAR	Oxidation (M)[8]					Mascot
2225.0283	2225.061	0.0327	15	24	47	NGSGMSAGTCAGGLVAT TVTSGPR	Carbamidomethyl (C)[10], Oxidation (M)[5]					Mascot
2225.0283	2225.061	0.0327	15	24	47	NGSGMSAGTCAGGLVAT TVTSGPR	Carbamidomethyl (C)[10], Oxidation (M)[5]					Mascot
2232.8743	2233.0273	0.153	69	425	442	TCEGYNEITFPHCSCDSR	Carbamidomethyl (C)[2,13,15]					Mascot
2283.9321	2284.1169	0.1848	81	482	500	WDTDEEGMAFCFEYARG EK						Mascot
2299.927	2300.114	0.187	81	482	500	WDTDEEGMAFCFEYARG EK	Oxidation (M)[8]					Mascot
3089.5876	3089.5176	-0.07	-23	337	363	LAPNEFPHKLYVQNYTSA VPGTCLTLR	Carbamidomethyl (C)[23]					Mascot
3089.5876	3089.5176	-0.07	-23	337	363	LAPNEFPHKLYVQNYTSA VPGTCLTLR	Carbamidomethyl (C)[23]					Mascot

25 PREDICTED: myosin heavy chain, fast skeletal muscle-like [Danio rerio] gi|326678010 161130.5 6.2 17 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
876.4785	876.4598	-0.0187	-21	922	928	LKETTER					Mascot
890.5305	890.4456	-0.0849	-95	1020	1027	VNTLTISK					Mascot
1006.5502	1006.5005	-0.0497	-49	400	407	ALCYPYRVK			Carbamidomethyl (C)[3]		Mascot
1074.5426	1074.5635	0.0209	19	1386	1395	ADIAESQVVK					Mascot
1204.6506	1204.5631	-0.0875	-73	562	572	CSAFQKPKPAK					Mascot
1233.611	1233.6848	0.0738	60	24	34	IEAQNTPFDAK					Mascot
1233.611	1233.6848	0.0738	60	24	34	IEAQNTPFDAK					Mascot
1302.6035	1302.6831	0.0796	61	73	83	EDEVFPMNPPK					Mascot
1360.689	1360.609	-0.08	-59	445	455	INEMLDTKQPR			Oxidation (M)[4]		Mascot
1397.7535	1397.7041	-0.0494	-35	643	655	KGGSFQTVSALFR					Mascot
1684.7404	1684.9191	0.1787	106	1229	1243	MEIDDLSSNMEAVAK			Oxidation (M)[1,10]		Mascot
1685.8639	1685.8705	0.0066	4	416	431	GQTVPVQVNNVAVSALCK			Carbamidomethyl (C)[15]		Mascot
1728.772	1728.7749	0.0029	2	2	17	GDGEMECFGPAAIYLR					Mascot
1792.9744	1793.0408	0.0664	37	130	145	WLPVYDAVVVAGYRGK					Mascot
1801.8198	1801.9453	0.1255	70	370	385	QREEQAEPDGTEVADK					Mascot
2075.0139	2074.9858	-0.0281	-14	1028	1045	SKLEQQVDDLEGSLEQE K					Mascot
2300.1599	2300.114	-0.0459	-20	386	405	IAYLMGLNSADMLKALCY PR			Carbamidomethyl (C)[17]		Mascot
2457.1311	2457.2349	0.1038	42	1375	1395	VQHEMEEAQERADIAES			Oxidation (M)[5]		Mascot

26 PREDICTED: NACHT, LRR and PYD domains-containing protein 12 [Danio rerio] QV NK
gi|292621731 149261.8 5.29 17 37 0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4114	842.4854	0.074	88	1214	1220	SNSEHLR					Mascot
860.426	860.4687	0.0427	50	211	217	HDFGKEK					Mascot
870.5593	870.5158	-0.0435	-50	1011	1017	KLLPMIR					Mascot
876.5341	876.4598	-0.0743	-85	224	230	IILFGWK					Mascot
890.5345	890.4456	-0.0889	-100	232	238	EKYLPIK					Mascot
992.537	992.5095	-0.0275	-28	485	493	RSTTDTAIK					Mascot
1006.5237	1006.5005	-0.0232	-23	551	558	EINLMKDK			Oxidation (M)[5]		Mascot
1302.53	1302.6831	0.1531	118	389	400	STESESSCVSMR					Mascot
1418.691	1418.7616	0.0706	50	1293	1304	LFSDLKDDSHNK					Mascot
1684.9116	1684.9191	0.0075	4	1115	1130	LGDSVTLLSAVLEDPR					Mascot
1700.8529	1700.9149	0.062	36	988	1001	LEEFNINEFVVGYSK					Mascot
1700.8529	1700.9149	0.062	36	988	1001	LEEFNINEFVVGYSK					Mascot
1766.8667	1766.8162	-0.0505	-29	1271	1285	SNPEHLRDLDLSENK					Mascot
1792.948	1793.0408	0.0928	52	522	536	TVSVQKFILDWAEELK					Mascot
1882.9579	1882.8414	-0.1165	-62	1172	1189	LGDSVTVLSAVLEDPHCK					Mascot
2225.2839	2225.061	-0.2229	-100	890	908	FLLGLSVESHQILLQRLMK					Mascot
2225.2839	2225.061	-0.2229	-100	890	908	FLLGLSVESHQILLQRLMK					Mascot
2284.0181	2284.1169	0.0988	43	380	400	SDLSSVHQKSTESESSCVSMR					Mascot
2300.0129	2300.114	0.1011	44	380	400	SDLSSVHQKSTESESSCVSMR			Oxidation (M)[20]		Mascot
2470.3162	2470.3232	0.007	3	316	336	TLIQEPAYVLEQWACILGPLR			Carbamidomethyl (C)[15]		Mascot

27 myosin VIIA [Danio rerio] gi|9944237 251496.9 8.81 25 36 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
850.4716	850.5179	0.0463	54	824	830	CRGFLVR				Mascot
876.4057	876.4598	0.0541	62	907	913	EDAEREK				Mascot
992.4717	992.5095	0.0378	38	1282	1290	ELCNALSDK				Mascot
996.4666	996.566	0.0994	100	519	527	GTDTTMLNK			Oxidation (M)[6]	Mascot
1006.5792	1006.5005	-0.0787	-78	797	804	LQALYRSR				Mascot

1045.452	1045.5339	0.0819	78	1377	1384	FGEYRCDR		Mascot
1138.5132	1138.6178	0.1046	92	1704	1711	DKLWCCTR	Carbamidomethyl (C)[5,6]	Mascot
1181.587	1181.5293	-0.0577	-49	1773	1781	DEIYCQILK	Carbamidomethyl (C)[5]	Mascot
1181.587	1181.5293	-0.0577	-49	1773	1781	DEIYCQILK	Carbamidomethyl (C)[5]	Mascot
1233.6772	1233.6848	0.0076	6	770	779	SAMLIQKTWR		Mascot
1233.6837	1233.6848	0.0011	1	2098	2108	YGVSLIDPKNK		Mascot
1302.6432	1302.6831	0.0399	31	303	313	SAMKVLMTDK	Oxidation (M)[3,7]	Mascot
1320.63	1320.6439	0.0139	11	1825	1835	HHPLALDCMQR		Mascot
1352.6879	1352.699	0.0111	8	516	527	FPKGTDTTMLNK		Mascot
1352.6879	1352.699	0.0111	8	516	527	FPKGTDTTMLNK		Mascot
1367.5929	1367.6932	0.1003	73	151	164	DQCCIISGESGAGK		Mascot
1393.6464	1393.6927	0.0463	33	1825	1835	HHPLALDCMQR	Carbamidomethyl (C)[8], Oxidation (M)[9]	Mascot
1393.6464	1393.6927	0.0463	33	1825	1835	HHPLALDCMQR	Carbamidomethyl (C)[8], Oxidation (M)[9]	Mascot
1397.6366	1397.7041	0.0675	48	337	348	TYDNLDADEVVR		Mascot
1454.658	1454.6658	0.0078	5	337	348	TYDNLDADEVVR	Carbamidomethyl (C)[8]	Mascot
1498.79	1498.6738	-0.1162	-78	1241	1253	TQPPSWLELQATK		Mascot
1766.9548	1766.8162	-0.1386	-78	528	542	LNSQHLNTNYIPPK		Mascot
1787.9802	1787.8177	-0.1625	-91	1846	1860	KYPPLVEVEAIQHK		Mascot
1883.1112	1882.8414	-0.2698	-143	414	430	INAAIKPPSLELKAVR		Mascot
1985.8698	1986.0006	0.1308	66	1214	1230	NFISEGPPGYAPYCEER	Carbamidomethyl (C)[14]	Mascot
2210.9702	2211.0491	0.0789	36	1722	1741	CGGHEELSQAACMAFIA VMK	Carbamidomethyl (C)[1]	Mascot
2278.0398	2277.9631	-0.0767	-34	1868	1887	VYFPDDTDEAFEVESSTK AK		Mascot
2284.2158	2284.1169	-0.0989	-43	1938	1957	ARPAKDGVPSLTQVFF MK	Oxidation (M)[19]	Mascot
2298.0386	2298.1265	0.0879	38	1721	1741	KCGGHEELSQAACMAFI AVMK	Oxidation (M)[14]	Mascot
2299.9814	2300.114	0.1326	58	1722	1741	CGGHEELSQAACMAFIA VMK	Carbamidomethyl (C)[1,12], Oxidation (M)[13,19]	Mascot
2697.377	2697.3767	-0.0003	0	1566	1590	SKFVVALQDNPSAADD STFLSFLK		Mascot

28

novel protein [Danio rerio]

gi|169158231

18731.3

6.71

6

36

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1138.5334	1138.6178	0.0844	74	147	157	SSLSVNSDSSR					Mascot
1367.6121	1367.6932	0.0811	59	61	71	QDHMISENHTR					Mascot
1498.8112	1498.6738	-0.1374	-92	17	29	KQLEEEANPLLSK					Mascot
1635.8588	1635.7357	-0.1231	-75	2	17	SSEAILPPEGPEGPKK					Mascot

	1766.8993	1766.8162	-0.0831	-47	1	17	MSSEAILPPEGPEGPKK										Mascot
	1801.9177	1801.9453	0.0276	15	18	33	QLEEEANPLLSKSTDK										Mascot
29	CWF19-like protein 2 [Danio rerio]				gi 76253886		110501.9	8.48	13	36	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5571	1045.5339	-0.0232	-22	579	587	LRAQMEAAR					Mascot
1106.4596	1106.5194	0.0598	54	330	338	EDGDEEKER					Mascot
1138.5236	1138.6178	0.0942	83	420	430	GSSSNQNAAFR					Mascot
1470.7223	1470.6592	-0.0631	-43	2	15	AAYGVNFESANSIK					Mascot
1498.8046	1498.6738	-0.1308	-87	915	927	EILGGMLDLEPRR					Mascot
1684.7756	1684.9191	0.1435	85	830	842	HLHVMVEYCVMPMR			Carbamidomethyl (C)[8], Oxidation (M)[4]		Mascot
1700.7705	1700.9149	0.1444	85	830	842	HLHVMVEYCVMPMR			Carbamidomethyl (C)[8], Oxidation (M)[4,11]		Mascot
1700.7705	1700.9149	0.1444	85	830	842	HLHVMVEYCVMPMR			Carbamidomethyl (C)[8], Oxidation (M)[4,11]		Mascot
1728.7858	1728.7749	-0.0109	-6	673	687	EKMSSAEDQNALYSR					Mascot
1985.9774	1986.0006	0.0232	12	506	523	SSAVQDSETPTLQKHTK					Mascot
2074.9749	2074.9858	0.0109	5	247	264	SLDSVVAERYGSMEEFK					Mascot
2284.0623	2284.1169	0.0546	24	393	413	GSSSNQSAAFRKPVDDVEMSR			Oxidation (M)[19]		Mascot
2298.0239	2298.1265	0.1026	45	810	828	MFESQELDCVFLETHMNP					Mascot
2470.1199	2470.3232	0.2033	82	810	829	MFESQELDCVFLETHMNP			Oxidation (M)[1]		Mascot
3089.3362	3089.5176	0.1814	59	533	559	TTTTVSSSESEEEEEELILTDEEMNK					Mascot
3089.3362	3089.5176	0.1814	59	533	559	TTTTVSSSESEEEEEELILTDEEMNK					Mascot

30	PHD finger protein 10 [Danio rerio]				gi 34784448		32685.5	6.28	8	36	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
876.5189	876.4598	-0.0591	-67	111	117	VPEYIKK					Mascot
996.4567	996.566	0.1093	110	19	25	YPEMERR			Oxidation (M)[4]		Mascot
1138.5963	1138.6178	0.0215	19	266	275	DGTPRSIQHK					Mascot
1169.5333	1169.6351	0.1018	87	122	131	AAEFNSNFNR					Mascot
1454.6771	1454.6658	-0.0113	-8	122	133	AAEFNSNFNRER					Mascot
1766.8881	1766.8162	-0.0719	-41	55	69	SDEVIDLMIKEYPAK			Oxidation (M)[8]		Mascot
2211.1597	2211.0491	-0.1106	-50	165	183	TGPFPPVALIPGQFQEYYKR					Mascot

	2284.2012	2284.1169	-0.0843	-37	163	182	TKTGPFPPVALIPGQFQEY YK											Mascot
31	ictacalcin 2 [Danio rerio]				gi 130494223		10708.3	5.03	5	36	0							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1233.6483	1233.6848	0.0365	30	11	21	AMAMLIATFHK						Mascot
1233.6483	1233.6848	0.0365	30	11	21	AMAMLIATFHK	6		0			Mascot
1352.7056	1352.699	-0.0066	-5	52	63	TTDKASLDNIFK						Mascot
1352.7056	1352.699	-0.0066	-5	52	63	TTDKASLDNIFK						Mascot
1439.7086	1439.6903	-0.0183	-13	39	51	ELLTAEMSDVFGK						Mascot
1684.855	1684.9191	0.0641	38	11	25	AMAMLIATFHKYSGK				Oxidation (M)[2]		Mascot
1700.8499	1700.9149	0.065	38	11	25	AMAMLIATFHKYSGK				Oxidation (M)[2,4]		Mascot
1700.8499	1700.9149	0.065	38	11	25	AMAMLIATFHKYSGK				Oxidation (M)[2,4]		Mascot
1882.9467	1882.8414	-0.1053	-56	35	51	GELKELLTAEMSDVFGK				Oxidation (M)[11]		Mascot

32	Rbm34 protein [Danio rerio]				gi 159155220		45856.6	10.19	7	36	0	17	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
842.473	842.4854	0.0124	15	74	80	DPVQKQK						Mascot
876.4686	876.4598	-0.0088	-10	365	371	NFTKNPR						Mascot
1006.5316	1006.5005	-0.0311	-31	138	145	FNAEERLK						Mascot
1233.6473	1233.6848	0.0375	30	18	29	VGQVSGSLFPDK						Mascot
1233.6473	1233.6848	0.0375	30	18	29	VGQVSGSLFPDK	17		0			Mascot
1498.8013	1498.6738	-0.1275	-85	18	31	VGQVSGSLFPDKHK						Mascot
1711.7882	1711.7539	-0.0343	-20	119	133	ADGEEEEERPTKHK						Mascot
2283.1501	2283.1228	-0.0273	-12	205	224	QNINAYIVFKEEESATDAL K						Mascot

33	TCR-alpha V segment I-11 (according to annotation by Tatsuya Ota) [Danio rerio]				gi 26984608		12725.3	5.32	5	35	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1635.9767	1635.7357	-0.241	-147	2	15	RTIFLFALLILGCR						Mascot
1700.8966	1700.9149	0.0183	11	82	96	FHSELSTNSVPLTIR						Mascot
1700.8966	1700.9149	0.0183	11	82	96	FHSELSTNSVPLTIR						Mascot

	1767.0172	1766.8162	-0.201	-114	1	15	MRTIFLFALLILGCR							Mascot
	1801.8391	1801.9453	0.1062	59	43	56	TDSTQEDLFWYIQR							Mascot
	2470.1885	2470.3232	0.1347	55	43	62	TDSTQEDLFWYIQRNDL PK							Mascot
34	guanine nucleotide-binding protein subunit alpha-13 [Danio rerio]				gi 66793413		43761.8	8.81	8	35	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
876.5301	876.4598	-0.0703	-80	356	362	LVFRDVK					Mascot
1233.6005	1233.6848	0.0843	68	219	229	MVDVGGQRSER					Mascot
1233.6005	1233.6848	0.0843	68	219	229	MVDVGGQRSER					Mascot
1320.7634	1320.6439	-0.1195	-90	85	96	ATIYSNVIKGV					Mascot
1397.8726	1397.7041	-0.1685	-121	47	60	LVKILLLGAGESGK					Mascot
1792.8726	1793.0408	0.1682	94	150	164	ALWQDSGIQNAAYDRR					Mascot
1882.9917	1882.8414	-0.1503	-80	134	149	GMMETKVFLNFLPAIR			Oxidation (M)[2]		Mascot
2300.21	2300.114	-0.096	-42	9	29	TAIVCIPNCLLSGGEIDQI RK			Carbamidomethyl (C)[5]		Mascot
3089.5581	3089.5176	-0.0405	-13	1	28	MADFLPSRTAIVCIPNCLL SGGEIDQIR			Carbamidomethyl (C)[13]		Mascot
3089.5581	3089.5176	-0.0405	-13	1	28	MADFLPSRTAIVCIPNCLL SGGEIDQIR			Carbamidomethyl (C)[13]		Mascot

35 PREDICTED: zinc finger protein 235-like [Danio rerio] gi|326665729 38839 9.48 10 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1138.6327	1138.6178	-0.0149	-13	316	325	QLGGLKThER					Mascot
1181.5402	1181.5293	-0.0109	-9	23	32	ERVtCTQCGK	6	0	Carbamidomethyl (C)[5]		Mascot
1181.5402	1181.5293	-0.0109	-9	23	32	ERVtCTQCGK			Carbamidomethyl (C)[5]		Mascot
1360.6526	1360.609	-0.0436	-32	7	18	HEKMSGQTDSLK					Mascot
1439.6981	1439.6903	-0.0078	-5	25	37	VTCTQCGKSLTNK			Carbamidomethyl (C)[3]		Mascot
1728.8196	1728.7749	-0.0447	-26	78	92	EKPYPcSVCGKNfTR					Mascot
1766.7836	1766.8162	0.0326	18	186	200	VHTGEKPYKcSDCDK			Carbamidomethyl (C)[10]		Mascot
1787.8203	1787.8177	-0.0026	-1	214	228	IHTGEKPYICSHCDK			Carbamidomethyl (C)[10]		Mascot
1943.9215	1943.9105	-0.011	-6	214	229	IHTGEKPYICSHCDKR			Carbamidomethyl (C)[10]		Mascot
2224.9607	2225.061	0.1003	45	42	60	SHMMIHTGEKpFTCTQC GK			Carbamidomethyl (C)[14], Oxidation (M)[3,4]		Mascot
2224.9607	2225.061	0.1003	45	42	60	SHMMIHTGEKpFTCTQC GK			Carbamidomethyl (C)[14], Oxidation (M)[3,4]		Mascot
2298.1482	2298.1265	-0.0217	-9	126	144	IHERIHTGEKPYICSLCNK			Carbamidomethyl (C)[14]		Mascot

36 Myosin VIIa [Danio rerio] gi|190339980 251532 8.81 25 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4716	850.5179	0.0463	54	824	830	CRGFLVR					Mascot
876.4057	876.4598	0.0541	62	907	913	EDAEREK					Mascot
992.4717	992.5095	0.0378	38	1282	1290	ELCNALSDK					Mascot
996.4666	996.566	0.0994	100	519	527	GTDTTMLNK			Oxidation (M)[6]		Mascot
1006.5792	1006.5005	-0.0787	-78	797	804	LQALYRSR					Mascot
1045.452	1045.5339	0.0819	78	1377	1384	FGEYRCDR					Mascot
1138.5132	1138.6178	0.1046	92	1704	1711	DKLWCCTR			Carbamidomethyl (C)[5,6]		Mascot
1181.587	1181.5293	-0.0577	-49	1773	1781	DEIYCQILK			Carbamidomethyl (C)[5]		Mascot
1181.587	1181.5293	-0.0577	-49	1773	1781	DEIYCQILK			Carbamidomethyl (C)[5]		Mascot
1233.6772	1233.6848	0.0076	6	770	779	SAMLIQKTWR					Mascot
1233.6837	1233.6848	0.0011	1	2098	2108	YGVSLIDPKNK					Mascot
1302.6432	1302.6831	0.0399	31	303	313	SAMKVLMTDK			Oxidation (M)[3,7]		Mascot
1320.63	1320.6439	0.0139	11	1825	1835	HHPLALDCMQR					Mascot
1352.6879	1352.699	0.0111	8	516	527	FPKGTDTTMLNK					Mascot
1352.6879	1352.699	0.0111	8	516	527	FPKGTDTTMLNK					Mascot
1367.5929	1367.6932	0.1003	73	151	164	DQCCIISGESGAGK					Mascot
1393.6464	1393.6927	0.0463	33	1825	1835	HHPLALDCMQR			Carbamidomethyl (C)[8], Oxidation (M)[9]		Mascot
1393.6464	1393.6927	0.0463	33	1825	1835	HHPLALDCMQR			Carbamidomethyl (C)[8], Oxidation (M)[9]		Mascot
1397.6222	1397.7041	0.0819	59	923	933	MEMLDQMEKAR			Oxidation (M)[1]		Mascot
1498.79	1498.6738	-0.1162	-78	1241	1253	TQPPSWLELQATK					Mascot
1766.9548	1766.8162	-0.1386	-78	528	542	LNSQHKLNTNYIPPK					Mascot
1787.9802	1787.8177	-0.1625	-91	1846	1860	KYPPhLVEVAIQHK					Mascot
1883.1112	1882.8414	-0.2698	-143	414	430	INAAIYKPPSLELKAVR					Mascot
1985.9385	1986.0006	0.0621	31	333	348	YEARIYDNLDADEVVR			Carbamidomethyl (C)[12]		Mascot
2210.9702	2211.0491	0.0789	36	1722	1741	CGGHEELSQEACMAFIA VMK			Carbamidomethyl (C)[1]		Mascot
2278.0398	2277.9631	-0.0767	-34	1868	1887	VYFPDDTDEAFEVESSTK AK					Mascot
2284.2158	2284.1169	-0.0989	-43	1938	1957	ARPAKDGIVPSLTQVFF MK			Oxidation (M)[19]		Mascot
2298.0386	2298.1265	0.0879	38	1721	1741	KCGGHEELSQEACMAFI AVMK			Oxidation (M)[14]		Mascot
2299.9814	2300.114	0.1326	58	1722	1741	CGGHEELSQEACMAFIA VMK			Carbamidomethyl (C)[1,12], Oxidation (M)[13,19]		Mascot
2697.377	2697.3767	-0.0003	0	1566	1590	SKFVVALQDNPSAADD STFLSFLK					Mascot

37 FAD synthase [Danio rerio] gi|51571923 55575.2 5.86 9 34 0

Peptide Information									
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
850.4053	850.5179	0.1126	132	334	340 YPDGKDR				Mascot
876.5665	876.4598	-0.1067	-122	341	347 LKALYIR				Mascot
890.4941	890.4456	-0.0485	-54	282	289 SETQLGKK				Mascot
1181.5215	1181.5293	0.0078	7	2	12 AQNCNTSSTQK				Mascot
1181.5215	1181.5293	0.0078	7	2	12 AQNCNTSSTQK				Mascot
1204.599	1204.5631	-0.0359	-30	466	475 NPSLKMVDER			Oxidation (M)[6]	Mascot
1402.761	1402.6555	-0.1055	-75	290	303 VAAALGTIEMALDK				Mascot
1418.7559	1418.7616	0.0057	4	290	303 VAAALGTIEMALDK			Oxidation (M)[10]	Mascot
1503.7537	1503.7397	-0.014	-9	235	247 LVLDTDSVEEVER				Mascot
1503.7537	1503.7397	-0.014	-9	235	247 LVLDTDSVEEVER				Mascot
1801.8677	1801.9453	0.0776	43	113	129 LVEGFFGTVTSDSAPMK			Oxidation (M)[16]	Mascot
2697.1748	2697.3767	0.2019	75	401	423 TDPYSHTLTPFCPTDPG WPDYMR				Mascot
38	hypothetical protein LOC393702 [Danio rerio]			gi 41152266		20567.3	5.44	6	34 0

Peptide Information									
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
1320.6907	1320.6439	-0.0468	-35	152	162 ENQTAVEVFKR				Mascot
1397.7821	1397.7041	-0.078	-56	98	109 VIHEKLLDMVGK			Oxidation (M)[9]	Mascot
1684.8687	1684.9191	0.0504	30	163	178 IILEAEKMDGGAPQGR				Mascot
1700.8635	1700.9149	0.0514	30	163	178 IILEAEKMDGGAPQGR			Oxidation (M)[8]	Mascot
1700.8635	1700.9149	0.0514	30	163	178 IILEAEKMDGGAPQGR			Oxidation (M)[8]	Mascot
1728.7898	1728.7749	-0.0149	-9	136	151 ALAESWNAAFMESSAK			Oxidation (M)[11]	Mascot
1986.1125	1986.0006	-0.1119	-56	103	120 LLDVMVGKVQVPIMLVGN K			Oxidation (M)[4,13]	Mascot
3337.6475	3337.6802	0.0327	10	16	45 SVGKSSLTIQFVEGQFVD SYDPTIENTFTK				Mascot
39	PREDICTED: serine/threonine-protein kinase pim-3 [Danio rerio]			gi 326666526		16946.7	7.72	6	33 0

Peptide Information									
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
870.4727	870.5158	0.0431	50	25	31 TGRHIMR				Mascot
1320.7344	1320.6439	-0.0905	-69	66	77 LIDFGCGAIVKK			Carbamidomethyl (C)[6]	Mascot

	1402.6896	1402.6555	-0.0341	-24	32	43	QAIHAVSVCFDR		Carbamidomethyl (C)[9]	Mascot
	1882.9528	1882.8414	-0.1114	-59	28	43	HIMRQAIHAVSVCFDR			Mascot
	1943.9652	1943.9105	-0.0547	-28	1	15	MERPIPCMDLLHFLR		Carbamidomethyl (C)[7], Oxidation (M)[1]	Mascot
	2225.114	2225.061	-0.053	-24	1	17	MERPIPCMDLLHFLRHK		Carbamidomethyl (C)[7], Oxidation (M)[1,8]	Mascot
	2225.114	2225.061	-0.053	-24	1	17	MERPIPCMDLLHFLRHK		Carbamidomethyl (C)[7], Oxidation (M)[1,8]	Mascot

40 novel protein [Danio rerio] gi|94733589 18386.1 7.98 6 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
870.4679	870.5158	0.0479	55	44	51	TAIATHEK					Mascot	
996.5737	996.566	-0.0077	-8	138	145	TLPWRPAR					Mascot	
1181.6902	1181.5293	-0.1609	-136	138	147	TLPWRPARGK					Mascot	
1181.6902	1181.5293	-0.1609	-136	138	147	TLPWRPARGK					Mascot	
1626.6887	1626.7356	0.0469	29	62	75	VAQFMCHDTSTSDK			Carbamidomethyl (C)[6]		Mascot	
1754.7837	1754.7528	-0.0309	-18	61	75	KVAQFMCHDTSTSDK			Carbamidomethyl (C)[7]		Mascot	
1754.7837	1754.7528	-0.0309	-18	61	75	KVAQFMCHDTSTSDK			Carbamidomethyl (C)[7]		Mascot	
1766.8417	1766.8162	-0.0255	-14	44	59	TAIATHEKNAHSSedr					Mascot	

41 ribonuclease H1 [Danio rerio] gi|50540386 30358.9 8.68 8 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
860.4736	860.4687	-0.0049	-6	217	223	SNGWRLK					Mascot	
890.4399	890.4456	0.0057	6	175	182	AELQAACK			Carbamidomethyl (C)[7]		Mascot	
1397.6696	1397.7041	0.0345	25	41	52	FASEQDALDFVR					Mascot	
1470.6715	1470.6592	-0.0123	-8	75	88	NVPCSSMAVSFGSK			Carbamidomethyl (C)[4]		Mascot	
1626.7727	1626.7356	-0.0371	-23	75	89	NVPCSSMAVSFGSKR			Carbamidomethyl (C)[4]		Mascot	
1700.718	1700.9149	0.1969	116	89	103	RTHDETEDEGPSCPCK					Mascot	
1700.718	1700.9149	0.1969	116	90	104	THDETEDEGPSCPCKR					Mascot	
1728.8049	1728.7749	-0.03	-17	14	27	GFKPGVYQTWEECK			Carbamidomethyl (C)[13]		Mascot	

42 PREDICTED: CAP-Gly domain-containing linker protein 1-like [Danio rerio] gi|326668263 102281.1 5.28 13 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
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860.422	860.4687	0.0467	54	39	47	NDGAVAGTR						Mascot
876.4308	876.4598	0.029	33	516	523	ELEDSGVK						Mascot
1090.4768	1090.5186	0.0418	38	1	10	MNCHSVAGSK				Carbamidomethyl (C)[3]		Mascot
1106.4717	1106.5194	0.0477	43	1	10	MNCHSVAGSK				Carbamidomethyl (C)[3], Oxidation (M)[1]		Mascot
1138.5813	1138.6178	0.0365	32	823	831	QIEELMTFK						Mascot
1233.6686	1233.6848	0.0162	13	84	96	TTATTAATPSALK						Mascot
1233.6686	1233.6848	0.0162	13	84	96	TTATTAATPSALK						Mascot
1352.6362	1352.699	0.0628	46	640	651	CTSLSAELQDTK				Carbamidomethyl (C)[1]		Mascot
1352.6362	1352.699	0.0628	46	640	651	CTSLSAELQDTK				Carbamidomethyl (C)[1]		Mascot
1397.7634	1397.7041	-0.0593	-42	440	451	STHKLELEELAK						Mascot
1418.7122	1418.7616	0.0494	35	425	437	EASKAELSDALER						Mascot
1454.6865	1454.6658	-0.0207	-14	676	687	TKLENDIMDMTK				Oxidation (M)[8]		Mascot
1470.6815	1470.6592	-0.0223	-15	676	687	TKLENDIMDMTK				Oxidation (M)[8,10]		Mascot
1503.7584	1503.7397	-0.0187	-12	198	210	MDQLRALVEAADR				Oxidation (M)[1]		Mascot
1503.7584	1503.7397	-0.0187	-12	198	210	MDQLRALVEAADR				Oxidation (M)[1]		Mascot
1711.7493	1711.7539	0.0046	3	453	468	HSSEAAGWVGEGMEHK						Mascot
1754.8279	1754.7528	-0.0751	-43	39	54	NDGAVAGTRYFQCQPK						Mascot
1754.8279	1754.7528	-0.0751	-43	39	54	NDGAVAGTRYFQCQPK						Mascot
2298.0527	2298.1265	0.0738	32	336	355	SQQAESQSHSHQAEISSM REK						Mascot

43 PREDICTED: wu:fb77e12 [Danio rerio] gi|326679169 160931.7 6.5 16 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
992.5523	992.5095	-0.0428	-43	748	756	RSDPPVPVK					Mascot
1074.4998	1074.5635	0.0637	59	1169	1178	DTSGISMAHR					Mascot
1090.4946	1090.5186	0.024	22	1169	1178	DTSGISMAHR			Oxidation (M)[7]		Mascot
1169.6385	1169.6351	-0.0034	-3	1401	1410	SLPQPSQTRR					Mascot
1302.6835	1302.6831	-0.0004	0	492	503	VAVSPSQVSLR			Carbamidomethyl (C)[10]		Mascot
1402.671	1402.6555	-0.0155	-11	1269	1281	AHGESDPSHLQPK					Mascot
1454.7598	1454.6658	-0.094	-65	349	361	GVSDHVLVDTREK					Mascot
1498.6842	1498.6738	-0.0104	-7	783	796	NPDESAACPLAEK			Carbamidomethyl (C)[8]		Mascot
1503.8641	1503.7397	-0.1244	-83	518	531	IPTIGERTAVPPPR					Mascot
1503.8641	1503.7397	-0.1244	-83	518	531	IPTIGERTAVPPPR					Mascot
1626.7792	1626.7356	-0.0436	-27	783	797	NPDESAACPLAEKK			Carbamidomethyl (C)[8]		Mascot
1684.7231	1684.9191	0.196	116	442	455	DTHCEIDSSEQVHK			Carbamidomethyl (C)[4]		Mascot
1700.7544	1700.9149	0.1605	94	420	434	DDSDCVYRANIASSK			Carbamidomethyl (C)[5]		Mascot

	1700.7544	1700.9149	0.1605	94	420	434	DDSDCVYRANIASSK		Carbamidomethyl (C)[5]	Mascot	
	1792.9664	1793.0408	0.0744	41	608	623	VAKPTQSTHNQKTPQK			Mascot	
	1801.7181	1801.9453	0.2272	126	732	747	NEMADNDSQSSSESPFK		Oxidation (M)[3]	Mascot	
	2283.1108	2283.1228	0.012	5	1323	1344	IPSSQIANIVHDGTDICGA PMK		Oxidation (M)[21]	Mascot	
	2284.1091	2284.1169	0.0078	3	575	596	SESHSAPTSPQPDDVP TPLPK			Mascot	
	2697.1462	2697.3767	0.2305	85	217	241	AHCSHSCPDVCTHQHLN GGEHSNVK			Mascot	
44	fasciculation and elongation protein zeta-1 [Danio rerio] gi 54261791						45090.5	4.4	8	32	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.473	842.4854	0.0124	15	83	90	TEGLAPVR					Mascot
1320.6576	1320.6439	-0.0137	-10	297	308	AMSLQGSTRPEK			Oxidation (M)[2]		Mascot
1352.6416	1352.699	0.0574	42	72	82	LNVCFHNYNTK					Mascot
1352.6416	1352.699	0.0574	42	72	82	LNVCFHNYNTK					Mascot
1367.7206	1367.6932	-0.0274	-20	342	352	QYLNTVIPYEK					Mascot
1792.9374	1793.0408	0.1034	58	269	283	NTFITALMEVQNRQK					Mascot
1882.8245	1882.8414	0.0169	9	20	34	MEELECEQPPCRPHK			Carbamidomethyl (C)[6]		Mascot
1985.8143	1986.0006	0.1863	94	44	59	EDFSELENFSEMMSFK			Oxidation (M)[12]		Mascot
2233.1182	2233.0273	-0.0909	-41	72	90	LNVCFHNYNTKTEGLAPV R			Carbamidomethyl (C)[4]		Mascot

45 PREDICTED: amine sulfotransferase [Danio rerio] gi|68372820 34418.6 8.81 7 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
860.4294	860.4687	0.0393	46	224	230	NMKQDPK					Mascot
876.4243	876.4598	0.0355	41	224	230	NMKQDPK			Oxidation (M)[2]		Mascot
882.4355	882.5417	0.1062	120	171	176	EWYKEK					Mascot
890.473	890.4456	-0.0274	-31	249	256	KGTVGDWK					Mascot
1503.7662	1503.7397	-0.0265	-18	84	96	EGRADYSLRPSPR					Mascot
1503.7662	1503.7397	-0.0265	-18	84	96	EGRADYSLRPSPR					Mascot
2211.0288	2211.0491	0.0203	9	70	86	YPNNLEQMPWLEYREGR			Oxidation (M)[8]		Mascot
2278.0947	2277.9631	-0.1316	-58	177	194	ENYDILFLSYEDMIIDLK			Oxidation (M)[13]		Mascot
3337.5588	3337.6802	0.1214	36	147	174	SFEDFLQQYLAGNVGGS SWFDHVKEWYK					Mascot

46 cytochrome P450, family 2, subfamily K, polypeptide 6 [Danio rerio] gi|41055730 57345 8.73 9 32 0

Peptide Information									
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
	842.4366	842.4854	0.0488	58	349	355 QPVVEDR			Mascot
	996.4785	996.566	0.0875	88	172	180 FGGNPFETK			Mascot
	1006.6295	1006.5005	-0.129	-128	86	94 KVVILSGYK			Mascot
	1360.6644	1360.609	-0.0554	-41	111	121 DISPIFHDFNR			Mascot
	1397.8514	1397.7041	-0.1473	-105	397	409 GTPVFPLLVSCLR			Mascot
	1470.676	1470.6592	-0.0168	-11	122	134 GYGIAFSNGENWR			Mascot
	1498.8304	1498.6738	-0.1566	-104	74	86 YGPIYTVYLGPKK			Mascot
	1754.6851	1754.7528	0.0677	39	410	423 DEDEWEMPDSFNPK		Oxidation (M)[7]	Mascot
	1754.6851	1754.7528	0.0677	39	410	423 DEDEWEMPDSFNPK		Oxidation (M)[7]	Mascot
	1766.8894	1766.8162	-0.0732	-41	382	396 QTTCDVHLNGYFIKK			Mascot

47 BTB/POZ domain-containing protein KCTD9 [Danio rerio] gi|57526544 42676.4 5.58 8 32 0

Peptide Information									
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
	860.477	860.4687	-0.0083	-10	335	341 LKNCNLR			Mascot
	890.5345	890.4456	-0.0889	-100	208	215 FLLATPTK			Mascot
	1181.6677	1181.5293	-0.1384	-117	233	241 LDLRYINFK			Mascot
	1181.6677	1181.5293	-0.1384	-117	233	241 LDLRYINFK			Mascot
	1367.6083	1367.6932	0.0849	62	111	121 ETESMLAHMFR		Oxidation (M)[5]	Mascot
	1393.7838	1393.6927	-0.0911	-65	204	215 EFARFLLATPTK			Mascot
	1393.7838	1393.6927	-0.0911	-65	204	215 EFARFLLATPTK			Mascot
	1397.6478	1397.7041	0.0563	40	220	232 CQGLNFSGTDLSR			Mascot
	1454.6692	1454.6658	-0.0034	-2	220	232 CQGLNFSGTDLSR		Carbamidomethyl (C)[1]	Mascot
	1626.7251	1626.7356	0.0105	6	111	123 ETESMLAHMFRDK		Oxidation (M)[5,9]	Mascot
	1882.9076	1882.8414	-0.0662	-35	216	232 SELRCQGLNFSGTDLSR			Mascot

48 PREDICTED: hypothetical protein LOC100537860 [Danio rerio] gi|326674785 35038.9 9.57 1 21 0

Peptide Information									
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
	1233.5957	1233.6848	0.0891	72	14	23 LEKEDLTDDR	21	0	2 Mascot

49

Lsm14a protein [Danio rerio]

gi|32451807

26013.7

5.81

1

20

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1754.9357	1754.7528	-0.1829	-104	1	17	MSGGTPYIGSKISLISK	20	0	Oxidation (M)[1]	2	Mascot

50

glycosaminoglycan xylosylkinase [Danio rerio]

gi|113677490

45839.4

7.62

1

20

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1233.662	1233.6848	0.0228	18	44	55	MEASLSLAKGAR	20	0		3	Mascot

Gel Idx/Pos	232/J8	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Hnrpa0l protein [Danio rerio]	gi 112180524	32001.9	7.62	5	162	100	143	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
985.4672	985.4341	-0.0331	-34	159	166	FHSICGHK			Carbamidomethyl (C)[5]		Mascot
1061.4646	1061.4308	-0.0338	-32	267	276	TGYGNYSSGR					Mascot
1718.9071	1718.8511	-0.056	-33	8	23	LFVGGLNVQTTDEGLR	143	100			Mascot
1718.9071	1718.8511	-0.056	-33	8	23	LFVGGLNVQTTDEGLR					Mascot
2225.022	2225.0518	0.0298	13	139	158	GFGFVYFDDNDSADKAV VMK					Mascot
2225.022	2225.0518	0.0298	13	139	158	GFGFVYFDDNDSADKAV VMK					Mascot
2649.2549	2649.1777	-0.0772	-29	24	45	AHFEQYGQLTDCVVMN QPLQR			Carbamidomethyl (C)[12], Oxidation (M)[16]		Mascot

2

TIA1 cytotoxic granule-associated RNA binding protein [Danio rerio]

gi|37681959

38031.2

8.36

4

138

100

129

100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1022.5629	1022.5317	-0.0312	-31	10	18	TLYVGNLSR					Mascot
1553.7781	1553.7214	-0.0567	-36	224	236	QTFSPFGQIMEIR					Mascot

	1569.7729	1569.7236	-0.0493	-31	224	236	QTFSPFGQIMEIR					Oxidation (M)[10]	Mascot
	1569.7729	1569.7236	-0.0493	-31	224	236	QTFSPFGQIMEIR	15	0			Oxidation (M)[10]	Mascot
	2500.0796	2500.0054	-0.0742	-30	40	59	MILDTTGNDPYCFVEFYENR					Carbamidomethyl (C)[12], Oxidation (M)[1]	Mascot
	2587.2058	2587.1311	-0.0747	-29	92	114	DTSNHFHVFGDLSPEISTDDVR	115	100				Mascot
	2587.2058	2587.1311	-0.0747	-29	92	114	DTSNHFHVFGDLSPEISTDDVR						Mascot
3	elongation factor 1-alpha [Danio rerio]				gi 239596162		24576.8	7.1	7	97	100	57	99.946

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
870.5406	870.513	-0.0276	-32	79	86	QLIVGVNK						Mascot
1025.6101	1025.5756	-0.0345	-34	188	198	IGGIGTVPVGR						Mascot
1298.7467	1298.7068	-0.0399	-31	67	78	EHALLAFTLGVK						Mascot
1397.6002	1397.5557	-0.0445	-32	87	98	MDSTEPYPYSQAR				Oxidation (M)[1]		Mascot
1404.7271	1404.683	-0.0441	-31	17	28	YYVTIIDAPGHR	57	99.946				Mascot
1404.7271	1404.683	-0.0441	-31	17	28	YYVTIIDAPGHR						Mascot
2233.1282	2233.019	-0.1092	-49	79	98	QLIVGVNKMMDSTEPYPYSQAR						Mascot
2249.123	2249.0127	-0.1103	-49	79	98	QLIVGVNKMMDSTEPYPYSQAR				Oxidation (M)[9]		Mascot
2918.5581	2918.4626	-0.0955	-33	152	179	EGNASGTTLLDALDAILP PSRPTDKPLR						Mascot

4	eukaryotic translation elongation factor 1 alpha 1 [Danio rerio]				gi 68136140		50029	9.04	9	93	99.998	57	99.946
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
864.4825	864.4622	-0.0203	-23	372	378	FAELKEK						Mascot
870.5406	870.513	-0.0276	-32	147	154	QLIVGVNK						Mascot
1025.6101	1025.5756	-0.0345	-34	256	266	IGGIGTVPVGR						Mascot
1298.7467	1298.7068	-0.0399	-31	135	146	EHALLAFTLGVK						Mascot
1397.6002	1397.5557	-0.0445	-32	155	166	MDSTEPYPYSQAR				Oxidation (M)[1]		Mascot
1404.7271	1404.683	-0.0441	-31	85	96	YYVTIIDAPGHR	57	99.946				Mascot
1404.7271	1404.683	-0.0441	-31	85	96	YYVTIIDAPGHR						Mascot
1588.8805	1588.8239	-0.0566	-36	6	20	THINIVVIGHVDSGK						Mascot
2233.1282	2233.019	-0.1092	-49	147	166	QLIVGVNKMMDSTEPYPYSQAR						Mascot
2249.123	2249.0127	-0.1103	-49	147	166	QLIVGVNKMMDSTEPYPYSQAR				Oxidation (M)[9]		Mascot
2918.5581	2918.4626	-0.0955	-33	220	247	EGNASGTTLLDALDAILP						Mascot

5 hypothetical protein LOC100145396 [Xenopus (Silurana) tropicalis] PSRPTDKPLR gi|187608024 50127.2 9.29 8 84 99.984 57 99.946

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4825	864.4622	-0.0203	-23	372	378	FAELKEK					Mascot
870.5406	870.513	-0.0276	-32	147	154	QLIVGVNK					Mascot
882.425	882.5392	0.1142	129	424	430	FAARDMR			Oxidation (M)[6]		Mascot
1025.6101	1025.5756	-0.0345	-34	256	266	IGGIGTVPVGR					Mascot
1397.6002	1397.5557	-0.0445	-32	155	166	MDSTEPYPYSQAR			Oxidation (M)[1]		Mascot
1404.7271	1404.683	-0.0441	-31	85	96	YYVTIIDAPGHR	57	99.946			Mascot
1404.7271	1404.683	-0.0441	-31	85	96	YYVTIIDAPGHR					Mascot
2166.2644	2165.9822	-0.2822	-130	135	154	EHALLAYTLGVKQLIVGVNK					Mascot
2233.1282	2233.019	-0.1092	-49	147	166	QLIVGVNKMDSTEPYPYSQAR					Mascot
2249.123	2249.0127	-0.1103	-49	147	166	QLIVGVNKMDSTEPYPYSQAR			Oxidation (M)[9]		Mascot

6 Zgc:109885 protein [Danio rerio] gi|124504637 50130.2 9.21 7 80 99.954 57 99.946

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4825	864.4622	-0.0203	-23	372	378	FAELKEK					Mascot
870.5406	870.513	-0.0276	-32	147	154	QLIVGVNK					Mascot
1025.6101	1025.5756	-0.0345	-34	256	266	IGGIGTVPVGR					Mascot
1397.6002	1397.5557	-0.0445	-32	155	166	MDSTEPYPYSQAR			Oxidation (M)[1]		Mascot
1404.7271	1404.683	-0.0441	-31	85	96	YYVTIIDAPGHR	57	99.946			Mascot
1404.7271	1404.683	-0.0441	-31	85	96	YYVTIIDAPGHR					Mascot
2166.2644	2165.9822	-0.2822	-130	135	154	EHALLAYTLGVKQLIVGVNK					Mascot
2233.1282	2233.019	-0.1092	-49	147	166	QLIVGVNKMDSTEPYPYSQAR					Mascot
2249.123	2249.0127	-0.1103	-49	147	166	QLIVGVNKMDSTEPYPYSQAR			Oxidation (M)[9]		Mascot

7 hypothetical protein LOC336334 [Danio rerio] gi|41152382 50307.3 9.14 5 70 99.545 57 99.946

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4825	864.4622	-0.0203	-23	372	378	FAELKEK					Mascot

	870.5406	870.513	-0.0276	-32	147	154	QLIVGVNK											Mascot
	1025.6101	1025.5756	-0.0345	-34	256	266	IGGIGTVPVGR											Mascot
	1404.7271	1404.683	-0.0441	-31	85	96	YYVTIIDAPGHR	57	99.946									Mascot
	1404.7271	1404.683	-0.0441	-31	85	96	YYVTIIDAPGHR											Mascot
	2166.2644	2165.9822	-0.2822	-130	135	154	EHALLAYTLGVKQLIVGVNK											Mascot
8	novel protein [Danio rerio]				gi 148725296		79374.4	6.72	13	46	0							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4937	864.4622	-0.0315	-36	433	439	EVFRVSK					Mascot
1022.4935	1022.5317	0.0382	37	557	565	ATVQCQTSK			Carbamidomethyl (C)[5]		Mascot
1081.6299	1081.5287	-0.1012	-94	542	550	NIICRHVVK					Mascot
1165.6034	1165.7083	0.1049	90	225	234	FCEQAVTIVR					Mascot
1233.5706	1233.6794	0.1088	88	612	622	QDQGSLTAEER					Mascot
1352.7208	1352.693	-0.0278	-21	531	541	ELKGYYPNQK					Mascot
1722.8778	1722.8046	-0.0732	-42	221	234	ACLRFCQAVTIVR			Carbamidomethyl (C)[2,6]		Mascot
1727.8633	1727.7109	-0.1524	-88	557	571	ATVQCQTSKSDVYIK			Carbamidomethyl (C)[5]		Mascot
2166.0132	2165.9822	-0.031	-14	679	698	VFGDILDGTSMPVGTDQ			Oxidation (M)[11]		Mascot
2266.0847	2266.0271	-0.0576	-25	623	644	VTGAGGGKEGNDQHPTDTLFHK					Mascot
2283.1875	2283.1125	-0.075	-33	447	466	MFSPIPVCILHVINNDTLEK					Mascot
2283.2554	2283.1125	-0.1429	-63	8	29	ESSAGLLQSQDALASNKPLLLK					Mascot
2299.1824	2299.114	-0.0684	-30	447	466	MFSPIPVCILHVINNDTLEK			Oxidation (M)[1]		Mascot
2649.4255	2649.1777	-0.2478	-94	447	469	MFSPIPVCILHVINNDTLEKIPR					Mascot

9	Wingless-type MMTV integration site family, member 2B [Danio rerio]				gi 190337810		44067.2	9.03	15	43	0							
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
831.4107	831.4297	0.019	23	120	126	DHTVFGR					Mascot
842.3569	842.4823	0.1254	149	348	354	MTKCECK					Mascot
850.4199	850.5183	0.0984	116	320	326	VCNKSSR			Carbamidomethyl (C)[2]		Mascot
850.4199	850.5183	0.0984	116	320	326	VCNKSSR			Carbamidomethyl (C)[2]		Mascot
864.4719	864.4622	-0.0097	-11	127	133	VMLRSSR			Oxidation (M)[2]		Mascot
1081.5385	1081.5287	-0.0098	-9	339	347	GYDTTRVNR					Mascot

1341.7195	1341.675	-0.0445	-33	66	77	VICDNIPGLVNK	Carbamidomethyl (C)[3]	Mascot
1397.6842	1397.5557	-0.1285	-92	85	97	HPDLMQSIGQGAK	Oxidation (M)[5]	Mascot
1404.4833	1404.683	0.1997	142	327	338	GMDGCEIMCCGR	Carbamidomethyl (C)[5,9], Oxidation (M)[2]	Mascot
1404.4833	1404.683	0.1997	142	327	338	GMDGCEIMCCGR	Carbamidomethyl (C)[5,9], Oxidation (M)[2]	Mascot
1435.5828	1435.6346	0.0518	36	365	376	DCEETVDVHTCK	Carbamidomethyl (C)[2]	Mascot
1503.6678	1503.7306	0.0628	42	2	15	PECDGVGCASPARK	Carbamidomethyl (C)[3,8]	Mascot
1588.7438	1588.8239	0.0801	50	98	108	EWIRECQHQR	Carbamidomethyl (C)[6]	Mascot
1718.6536	1718.8511	0.1975	115	324	338	SSRGMDGCEIMCCGR	Carbamidomethyl (C)[8,12]	Mascot
1718.6536	1718.8511	0.1975	115	324	338	SSRGMDGCEIMCCGR	Carbamidomethyl (C)[8,12]	Mascot
1727.751	1727.7109	-0.0401	-23	153	168	ACSQGEIKICSCDSQR		Mascot
2300.019	2300.105	0.086	37	235	255	CHGVSGSCALRTCWLAM SDFR		Mascot
2499.9817	2500.0054	0.0237	9	357	376	WCCAVECRDCEETVDVH TCK	Carbamidomethyl (C)[2,3,7]	Mascot

10 LOC560618 protein [Danio rerio] gi|183985554 36438.9 5.69 9 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1165.6113	1165.7083	0.097	83	173	182	LPSHWSSVPR					Mascot
1298.7579	1298.7068	-0.0511	-39	111	122	TGVVVWRAVPSK					Mascot
1435.6057	1435.6346	0.0289	20	1	11	RVCMGMMMMIK			Carbamidomethyl (C)[3], Oxidation (M)[4,6,7]		Mascot
1503.7407	1503.7306	-0.0101	-7	142	154	VHQMTTGKPMTTTR			Oxidation (M)[4]		Mascot
1552.8845	1552.699	-0.1855	-119	89	101	WIDEQIAVVPRVK					Mascot
1718.8079	1718.8511	0.0432	25	262	275	EDLQKTQEEQVEDK					Mascot
1718.8079	1718.8511	0.0432	25	262	275	EDLQKTQEEQVEDK					Mascot
1763.9762	1763.939	-0.0372	-21	155	172	SSVAPTAGVHLRGSPLS K					Mascot
1763.9762	1763.939	-0.0372	-21	155	172	SSVAPTAGVHLRGSPLS K					Mascot
2266.186	2266.0271	-0.1589	-70	59	79	DLCEHLGLTIANKAQLAE AQK					Mascot
2284.0884	2284.1047	0.0163	7	12	31	MVLFSGMFMSGLAFLDMQ LVK			Oxidation (M)[1,7]		Mascot
2300.0833	2300.105	0.0217	9	12	31	MVLFSGMFMSGLAFLDMQ LVK			Oxidation (M)[1,7,9]		Mascot

11 heterogeneous nuclear ribonucleoprotein K [Danio rerio] gi|169158246 29862.7 9.67 8 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1025.4758	1025.5756	0.0998	97	86	95	GRSSSGGFDR					Mascot

	1045.5823	1045.5319	-0.0504	-48	27	35	AERVVQCIK						Mascot
	1233.4952	1233.6794	0.1842	149	174	185	YGGSMNDGYGGR						Mascot
	1397.6226	1397.5557	-0.0669	-48	88	101	SSSGGFDRMPSGGR						Mascot
	1404.6139	1404.683	0.0691	49	146	156	RSDDQYYSSQR	1	0				Mascot
	1404.6139	1404.683	0.0691	49	146	156	RSDDQYYSSQR						Mascot
	1569.9032	1569.7236	-0.1796	-114	36	49	TMLELIVEAPIKGR						Mascot
	1569.9032	1569.7236	-0.1796	-114	36	49	TMLELIVEAPIKGR	4	0				Mascot
	2193.0791	2193.04	-0.0391	-18	8	26	LFQECCPQSTDRVVLVG GK			Carbamidomethyl (C)[5,6]			Mascot
	2300.0645	2300.105	0.0405	18	1	19	STQTTIKLFQECCPQSTD R			Carbamidomethyl (C)[12,13]			Mascot
12	Erythropoietin receptor [Danio rerio]					gi 190337418	57852.8	5.53	10	40	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4933	850.5183	0.025	29	204	209	YKVVVR					Mascot
850.4933	850.5183	0.025	29	204	209	YKVVVR					Mascot
870.4355	870.513	0.0775	89	491	497	NEIFGYK					Mascot
996.4567	996.5654	0.1087	109	118	125	DGQMLYNR					Mascot
996.4567	996.5654	0.1087	109	118	125	DGQMLYNR					Mascot
1397.6484	1397.5557	-0.0927	-66	498	509	WPFSAQQVQSGY					Mascot
1476.8091	1476.7449	-0.0642	-43	184	196	VEETKASTMLVLR					Mascot
1569.7101	1569.7236	0.0135	9	37	49	DETEDIKCFVEGK			Carbamidomethyl (C)[8]		Mascot
1569.7101	1569.7236	0.0135	9	37	49	DETEDIKCFVEGK			Carbamidomethyl (C)[8]		Mascot
1722.8003	1722.8046	0.0043	2	174	188	YAVEDSHMGKVEETK					Mascot
1995.9594	1995.8253	-0.1341	-67	344	360	SDSGLTEPPHWLMEQLR					Mascot
2249.0662	2249.0127	-0.0535	-24	491	509	NEIFGYKWPFSQQVQS GY					Mascot
2297.1709	2297.1226	-0.0483	-21	11	30	IVFMLCLAFVTSGGKYFE SK			Carbamidomethyl (C)[6]		Mascot

13 PREDICTED: hypothetical protein LOC100537239
[Danio rerio]

gi|326677015 40075.7 8.66 8 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
831.4457	831.4297	-0.016	-19	119	125	VEEVEVK					Mascot
850.3975	850.5183	0.1208	142	192	198	MEEVNTK					Mascot
850.3975	850.5183	0.1208	142	192	198	MEEVNTK					Mascot
996.4488	996.5654	0.1166	117	74	81	NENMMVVK			Oxidation (M)[4,5]		Mascot

	996.4488	996.5654	0.1166	117	74	81	NENMMVVVK					Oxidation (M)[4,5]	Mascot
	1025.5383	1025.5756	0.0373	36	1	8	MSCFLIRR						Mascot
	1279.5847	1279.7373	0.1526	119	312	323	AALQFQCGGGDR					Carbamidomethyl (C)[7]	Mascot
	1404.674	1404.683	0.009	6	146	156	EEEEIKEEEEEK						Mascot
	1404.674	1404.683	0.009	6	146	156	EEEEIKEEEEEK						Mascot
	2238.9441	2239.0647	0.1206	54	200	217	EEEDNIIEEEEEEMSEKEK						Mascot
	2587.0857	2587.1311	0.0454	18	300	323	EEEDDVGCGVMKAALQF QCGGGDR					Carbamidomethyl (C)[8], Oxidation (M)[11]	Mascot
	2587.0857	2587.1311	0.0454	18	300	323	EEEDDVGCGVMKAALQF QCGGGDR					Carbamidomethyl (C)[8], Oxidation (M)[11]	Mascot

14 PREDICTED: gastrula zinc finger protein XICGF57.1-like [Danio rerio] gi|326666728 33351.9 9.4 10 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
985.5247	985.4341	-0.0906	-92	46	53	GDLKIHR			Oxidation (M)[7]		Mascot
1045.5459	1045.5319	-0.014	-13	129	137	SSTLNKHKM					Mascot
1061.5408	1061.4308	-0.11	-104	129	137	SSTLNKHKM			Oxidation (M)[8]		Mascot
1233.5593	1233.6794	0.1201	97	21	30	QEDLQEQTDK					Mascot
1298.5868	1298.7068	0.12	92	198	208	EKPFTCTQCGK			Carbamidomethyl (C)[6]		Mascot
1476.6471	1476.7449	0.0978	66	33	44	FTCTQCGRSFGR			Carbamidomethyl (C)[3,6]		Mascot
1503.7034	1503.7306	0.0272	18	21	32	QEDLQEQTDKNR					Mascot
1588.7285	1588.8239	0.0954	60	153	165	SFNRSSHLNDHMK			Oxidation (M)[12]		Mascot
1763.8203	1763.939	0.1187	67	54	68	IHTGEKPFCTQCGK			Carbamidomethyl (C)[10,13]		Mascot
1763.8203	1763.939	0.1187	67	250	264	IHTGEKPFCTQCGK			Carbamidomethyl (C)[10,13]		Mascot
2211.0432	2211.0381	-0.0051	-2	54	72	IHTGEKPFCTQCGKSFG R			Carbamidomethyl (C)[10,13]		Mascot
2239.0496	2239.0647	0.0151	7	138	156	IHTGEKPFCTQCGRSFN R			Carbamidomethyl (C)[10]		Mascot

15 hypothetical protein LOC100170803 [Danio rerio] gi|238859679 6301.8 4.55 4 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1397.5374	1397.5557	0.0183	13	21	32	DVQDDSSMDEEK					Mascot
1553.6384	1553.7214	0.083	53	21	33	DVQDDSSMDEEKR					Mascot
1569.6333	1569.7236	0.0903	58	21	33	DVQDDSSMDEEKR			Oxidation (M)[8]		Mascot
1569.6333	1569.7236	0.0903	58	21	33	DVQDDSSMDEEKR			Oxidation (M)[8]		Mascot
1763.7865	1763.939	0.1525	86	2	20	GCGNSTAASTTPGPAES AK			Carbamidomethyl (C)[2]		Mascot

	1763.7865	1763.939	0.1525	86	2	20	GCGNSTAASTTPGPAES AK				Carbamidomethyl (C)[2]	Mascot
	1894.8269	1894.9038	0.0769	41	1	20	MGCGNSTAASTTPGPAE SAK				Carbamidomethyl (C)[3]	Mascot
16	PREDICTED: hypothetical protein LOC100316941 [Danio rerio]					gi 326679100	71589.2	5.75	11	36	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
985.5538	985.4341	-0.1197	-121	533	540	CKLFSFIK					Mascot
1022.5417	1022.5317	-0.01	-10	629	636	ANYRILWS					Mascot
1045.5208	1045.5319	0.0111	11	608	615	TLRPDQCR			Carbamidomethyl (C)[7]		Mascot
1059.6045	1059.5575	-0.047	-44	100	109	QSLISEAIAK					Mascot
1588.9091	1588.8239	-0.0852	-54	100	113	QSLISEAIAKMIIR			Oxidation (M)[11]		Mascot
1763.8745	1763.939	0.0645	37	244	258	VVADLLPCESRSDFR			Carbamidomethyl (C)[8]		Mascot
1763.8745	1763.939	0.0645	37	244	258	VVADLLPCESRSDFR			Carbamidomethyl (C)[8]		Mascot
2063.9563	2063.8687	-0.0876	-42	290	307	EGISSNEYHRSLDQCLG R					Mascot
2211.0784	2211.0381	-0.0403	-18	379	396	ILRQMVDSDMFLEDIVDR			Oxidation (M)[5]		Mascot
2283.2231	2283.1125	-0.1106	-48	587	607	KVFTVPATTTSVDQIFNT VSK					Mascot
2283.2231	2283.1125	-0.1106	-48	587	607	KVFTVPATTTSVDQIFNT VSK					Mascot
2305.2327	2305.0891	-0.1436	-62	471	491	LAGILEDPLYVTATTLDPO FK					Mascot
2649.3599	2649.1777	-0.1822	-69	446	469	KHLAEVVTHQCSGIVMGL SQALDR			Carbamidomethyl (C)[11]		Mascot

17	immunoglobulin light chain [Danio rerio]					gi 11139468	13673.7	7.6	5	35	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1341.7274	1341.675	-0.0524	-39	55	66	QTPNAAPQFVLR					Mascot
1718.9105	1718.8511	-0.0594	-35	21	35	VLTQKPSIMTEKGR	2	0	Oxidation (M)[9]		Mascot
1718.9105	1718.8511	-0.0594	-35	21	35	VLTQKPSIMTEKGR			Oxidation (M)[9]		Mascot
2266.0444	2266.0271	-0.0173	-8	36	54	SVTLDCNVEKDENVYSW HK					Mascot
2404.2622	2403.9988	-0.2634	-110	1	20	MLIIFYCSLLTLLSCVRCA K			Carbamidomethyl (C)[7,15]		Mascot
2500.2368	2500.0054	-0.2314	-93	46	66	DENVYSWHKQTPNAAPQ FVLR					Mascot

18	lft81 protein [Danio rerio]					gi 145337899	29908.3	5.76	8	34	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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				Seq.	Seq.	Score					
	870.5519	870.513	-0.0389	-45	200	206	VLRQQVK				Mascot
	1045.5636	1045.5319	-0.0317	-30	14	21	TEEILRR				Mascot
	1397.6399	1397.5557	-0.0842	-60	63	74	GRTLDDMSEMVK		Oxidation (M)[7]		Mascot
	1404.6359	1404.683	0.0471	34	210	220	ENQEPNMRQMK				Mascot
	1404.6359	1404.683	0.0471	34	210	220	ENQEPNMRQMK				Mascot
	1569.6962	1569.7236	0.0274	17	113	126	AQYETCAAGLESNR		Carbamidomethyl (C)[6]		Mascot
	1569.6962	1569.7236	0.0274	17	113	126	AQYETCAAGLESNR		Carbamidomethyl (C)[6]		Mascot
	1727.8018	1727.7109	-0.0909	-53	113	128	AQYETCAAGLESNRSK				Mascot
	2225.0879	2225.0518	-0.0361	-16	147	163	YHHINCEREIIESQIQR		Carbamidomethyl (C)[6]		Mascot
	2225.0879	2225.0518	-0.0361	-16	147	163	YHHINCEREIIESQIQR		Carbamidomethyl (C)[6]		Mascot
	2283.1914	2283.1125	-0.0789	-35	234	254	QCYLKAQSQAPIGHVIQD VGK				Mascot
	2283.1914	2283.1125	-0.0789	-35	234	254	QCYLKAQSQAPIGHVIQD VGK				Mascot
19	TPA: erythropoietin receptor [Danio rerio]				gi 159885707	56496.1	5.22	9	33	0	
	Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	850.4933	850.5183	0.025	29	193	198 YKVWVR					Mascot
	850.4933	850.5183	0.025	29	193	198 YKVWVR					Mascot
	870.4355	870.513	0.0775	89	480	486 NEIFGYK					Mascot
	996.4567	996.5654	0.1087	109	107	114 DGQMLYNR					Mascot
	996.4567	996.5654	0.1087	109	107	114 DGQMLYNR					Mascot
	1397.6484	1397.5557	-0.0927	-66	487	498 WPFSAQQVQSGY					Mascot
	1476.8091	1476.7449	-0.0642	-43	173	185 VEETKASTMLVLR					Mascot
	1569.7101	1569.7236	0.0135	9	26	38 DETEDIKCFVEGK			Carbamidomethyl (C)[8]		Mascot
	1569.7101	1569.7236	0.0135	9	26	38 DETEDIKCFVEGK			Carbamidomethyl (C)[8]		Mascot
	1722.8003	1722.8046	0.0043	2	163	177 YAVEDSHMGKVEETK					Mascot
	1995.9594	1995.8253	-0.1341	-67	333	349 SDSGLTEPPHWLMEQLR					Mascot
	2249.0662	2249.0127	-0.0535	-24	480	498 NEIFGYKWPFSAQQVQS GY					Mascot
20	novel protein [Danio rerio]				gi 220679558	45035	4.99	8	33	0	
	Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	831.4318	831.4297	-0.0021	-3	336	342 ANQETLR					Mascot

	1404.694	1404.683	-0.011	-8	1720	1731	AQEPTLSPVFCR					Carbamidomethyl (C)[11]	Mascot
	1476.7765	1476.7449	-0.0316	-21	1058	1072	RGPGSSIISVSSSSR						Mascot
	1553.7476	1553.7214	-0.0262	-17	1517	1530	SNSIATTICSEDKK					Carbamidomethyl (C)[9]	Mascot
	1569.7035	1569.7236	0.0201	13	310	324	NTEAFECAAAVCGVK					Carbamidomethyl (C)[7]	Mascot
	1569.7035	1569.7236	0.0201	13	310	324	NTEAFECAAAVCGVK					Carbamidomethyl (C)[7]	Mascot
	1718.8207	1718.8511	0.0304	18	2188	2202	DWPSGEEFLALMPAR	2	0				Mascot
	1718.8207	1718.8511	0.0304	18	2188	2202	DWPSGEEFLALMPAR						Mascot
	2174.208	2173.9194	-0.2886	-133	1121	1139	QQRPTLLPEFKHVALD GK						Mascot
	2249.2751	2249.0127	-0.2624	-117	2025	2045	VPNILDDIIASVVENKIPAT K						Mascot
	2296.9065	2297.1226	0.2161	94	1827	1845	EMCDACEATLFNMHWAC HK					Carbamidomethyl (C)[3]	Mascot
	2649.3015	2649.1777	-0.1238	-47	871	892	QLLVVYDLTGDRPNSYQ EENRR						Mascot
	3337.5674	3337.6665	0.0991	30	462	491	SQSPATVNTGYGSESPC CSPETITKPQIIR					Carbamidomethyl (C)[17,18]	Mascot
23	Tnfrsfa protein [Danio rerio]				gi 190336943		48606.4	5.31	9	32	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
856.4159	856.4957	0.0798	93	329	335	EDDPK						Mascot
985.4771	985.4341	-0.043	-44	227	234	VPIDECPR				Carbamidomethyl (C)[6]		Mascot
1059.4952	1059.5575	0.0623	59	272	280	SIPVEDEDR						Mascot
1233.5714	1233.6794	0.108	88	68	78	EKCTSGHVMGK				Carbamidomethyl (C)[3]		Mascot
1298.6045	1298.7068	0.1023	79	59	69	NCEAGTYVKEK				Carbamidomethyl (C)[2]		Mascot
1727.762	1727.7109	-0.0511	-30	321	334	DQTESWPREDPPR						Mascot
2211.0537	2211.0381	-0.0156	-7	310	328	SSPPAQRPTDRDQTESW PR						Mascot
2266.2515	2266.0271	-0.2244	-99	398	417	EGLRANINTLLQALLDLD QR						Mascot
2283.9038	2284.1047	0.2009	88	41	58	QMTCLNHEYPHNGFCC K				Carbamidomethyl (C)[4,16], Oxidation (M)[2]		Mascot

24 hypothetical protein LOC503753 [Danio rerio] gi|61651818 35986.7 4.84 6 32 0 10 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
864.4937	864.4622	-0.0315	-36	91	97	EIQPHLK						Mascot
985.5723	985.4341	-0.1382	-140	99	106	LCRPRVVK						Mascot
1404.7303	1404.683	-0.0473	-34	25	36	LLSAAMWQVTER						Mascot
1404.7303	1404.683	-0.0473	-34	25	36	LLSAAMWQVTER						Mascot

	1718.8782	1718.8511	-0.0271	-16	168	182	MVSVPDLSETVSWLR	10	0		Mascot
	1718.8782	1718.8511	-0.0271	-16	168	182	MVSVPDLSETVSWLR				Mascot
	2166.0127	2165.9822	-0.0305	-14	183	202	TCPSLLDDCIDSVSVPKD MK				Mascot
	2239.0291	2239.0647	0.0356	16	183	202	TCPSLLDDCIDSVSVPKD MK			Carbamidomethyl (C)[2], Oxidation (M)[19]	Mascot
	2304.9634	2305.0891	0.1257	55	107	125	EFADEDMEESEACFLDL VR			Carbamidomethyl (C)[13]	Mascot
25	heterogeneous nuclear ribonucleoprotein K [Danio rerio] gi 169158247					31206.2	9.46	7	32	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1025.4758	1025.5756	0.0998	97	86	95	GRSSSGGFDR					Mascot
1045.5823	1045.5319	-0.0504	-48	27	35	AERVVQCIK					Mascot
1397.6226	1397.5557	-0.0669	-48	88	101	SSSGGFDRMPSGGR					Mascot
1404.6139	1404.683	0.0691	49	146	156	RSDDQYYSSQR	1		0		Mascot
1404.6139	1404.683	0.0691	49	146	156	RSDDQYYSSQR					Mascot
1569.9032	1569.7236	-0.1796	-114	36	49	TMLELIVEAPIKGR					Mascot
1569.9032	1569.7236	-0.1796	-114	36	49	TMLELIVEAPIKGR	4		0		Mascot
2193.0791	2193.04	-0.0391	-18	8	26	LFQECCPQSTD RVVLVG GK			Carbamidomethyl (C)[5,6]		Mascot
2300.0645	2300.105	0.0405	18	1	19	STQTTIKLFQECCPQSTD R			Carbamidomethyl (C)[12,13]		Mascot

26 RecName: Full=SH3 domain-binding protein 4-A gi|123888628 108383 7.89 13 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
831.4756	831.4297	-0.0459	-55	926	932	MKNPITK					Mascot
842.5822	842.4823	-0.0999	-119	663	669	LIKT VIR					Mascot
850.4338	850.5183	0.0845	99	387	393	LSNMEIK			Oxidation (M)[4]		Mascot
850.4338	850.5183	0.0845	99	387	393	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.513	0.0404	46	1	7	MAAHRIR			Oxidation (M)[1]		Mascot
1025.564	1025.5756	0.0116	11	290	297	TAWLNHRK					Mascot
1045.4796	1045.5319	0.0523	50	791	799	AELDSEPER					Mascot
2064.0259	2063.8687	-0.1572	-76	773	790	AFADALSYVNLPLTYFCR					Mascot
2230.2417	2230.1306	-0.1111	-50	842	860	LIMDFVLLTTAVEVAPRW R					Mascot
2284.2368	2284.1047	-0.1321	-58	492	513	TVVAIFGHDCAPKLLVS EVGK					Mascot
2300.0686	2300.105	0.0364	16	597	616	DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5]		Mascot

	2421.2065	2421.0242	-0.1823	-75	18	40	CKSEGLIDIDEGVTEASL VDVK						Mascot
	2421.2065	2421.0242	-0.1823	-75	18	40	CKSEGLIDIDEGVTEASL VDVK						Mascot
	2918.53	2918.4626	-0.0674	-23	833	858	MDCQGLVARLIMDFVLLT TAVEVAPR				Carbamidomethyl (C)[3]		Mascot
	3337.6052	3337.6665	0.0613	18	298	327	LARSCHDLES LGQNP GW GQTQP VETNIVCK				Carbamidomethyl (C)[5]		Mascot
27	frizzled-related protein [Danio rerio]				gi 18858723		36007.6	8.44	7	32	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	850.4781	850.5183	0.0402	47	194	200	SVKFNQK					Mascot
	850.4781	850.5183	0.0402	47	194	200	SVKFNQK					Mascot
	1022.4579	1022.5317	0.0738	72	113	121	CGCEPVMKR					Mascot
	1061.5044	1061.4308	-0.0736	-69	25	35	GTGAASCEPIR					Mascot
	1081.4839	1081.5287	0.0448	41	111	120	AKCGCEPVMK			Oxidation (M)[9]		Mascot
	1763.8237	1763.939	0.1153	65	25	40	GTGAASCEPIRIPMCK			Carbamidomethyl (C)[7,15], Oxidation (M)[14]		Mascot
	1763.8237	1763.939	0.1153	65	25	40	GTGAASCEPIRIPMCK			Carbamidomethyl (C)[7,15], Oxidation (M)[14]		Mascot
	2192.843	2193.04	0.197	90	166	184	CNPEGNPDPFMDSHNTN CK			Carbamidomethyl (C)[1], Oxidation (M)[11]		Mascot
	2649.051	2649.1777	0.1267	48	166	189	CNPEGNPDPFMDSHNTN CKGANDR			Oxidation (M)[11]		Mascot

28 Guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1 [Danio rerio]

gi|152013098 35128.5 7.6 7 31 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	864.4244	864.4622	0.0378	44	2	8	TEQMTVR					Mascot
	1059.5946	1059.5575	-0.0371	-35	309	317	VWQVTIGTR					Mascot
	1264.6532	1264.592	-0.0612	-48	89	99	LWDLTTGTTTR					Mascot
	1279.6675	1279.7373	0.0698	55	2	12	TEQMTVRGTLK			Oxidation (M)[4]		Mascot
	1476.6787	1476.7449	0.0662	45	213	225	DGQAMLWDLNEGK					Mascot
	1995.8865	1995.8253	-0.0612	-31	140	155	YTIQDSDTEWVSCVR			Carbamidomethyl (C)[14]		Mascot
	2225.073	2225.0518	-0.0212	-10	156	175	FSPNSSNPIIVSCGWDM VK			Oxidation (M)[18]		Mascot
	2225.073	2225.0518	-0.0212	-10	156	175	FSPNSSNPIIVSCGWDM VK			Oxidation (M)[18]		Mascot
	2266.0994	2266.0271	-0.0723	-32	156	175	FSPNSSNPIIVSCGWDM VK			Carbamidomethyl (C)[13]		Mascot

29 PREDICTED: si:dkey-170m15.2 [Danio rerio]

gi|292624792 132327.3 7.37 14 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.472	864.4622	-0.0098	-11	41	47	RTSMLTR					Mascot
996.5182	996.5654	0.0472	47	75	83	DCPLVAPPK			Carbamidomethyl (C)[2]		Mascot
996.5182	996.5654	0.0472	47	75	83	DCPLVAPPK			Carbamidomethyl (C)[2]		Mascot
1022.4935	1022.5317	0.0382	37	773	781	ATVQCQTSK			Carbamidomethyl (C)[5]		Mascot
1045.516	1045.5319	0.0159	15	98	106	QTNITDEPK					Mascot
1081.6299	1081.5287	-0.1012	-94	758	766	NIICRHVVK					Mascot
1165.6034	1165.7083	0.1049	90	440	449	FCEQAVTIVR					Mascot
1233.5706	1233.6794	0.1088	88	828	838	QDQGSLTAEER					Mascot
1352.7208	1352.693	-0.0278	-21	747	757	ELKGYIYNQK					Mascot
1727.8633	1727.7109	-0.1524	-88	773	787	ATVQCQTSKSDVYIK			Carbamidomethyl (C)[5]		Mascot
2166.0132	2165.9822	-0.031	-14	895	914	VFGDILDGTSMPVGTQDQ QNR			Oxidation (M)[11]		Mascot
2266.0847	2266.0271	-0.0576	-25	839	860	VTGAGGGKEGNDQHPT DTLFHK					Mascot
2283.1875	2283.1125	-0.075	-33	663	682	MFSPIPVCILHVINNDTLE K					Mascot
2283.2554	2283.1125	-0.1429	-63	223	244	ESSAGLLQSQDALASNK PLLLK					Mascot
2299.1824	2299.114	-0.0684	-30	663	682	MFSPIPVCILHVINNDTLE K			Oxidation (M)[1]		Mascot
2649.4255	2649.1777	-0.2478	-94	663	685	MFSPIPVCILHVINNDTLE KIPR					Mascot

30 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1b

gi|148222527 108316.5 5.33 13 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.5771	870.513	-0.0641	-74	178	184	LKDILR					Mascot
1022.5305	1022.5317	0.0012	1	444	452	ALPEFFNGK					Mascot
1051.532	1051.6805	0.1485	141	122	129	FKTEQGWR					Mascot
1059.4928	1059.5575	0.0647	61	466	473	NFMIDTYR					Mascot
1233.5892	1233.6794	0.0902	73	59	69	KNVQSDAPSCK			Carbamidomethyl (C)[10]		Mascot
1264.6685	1264.592	-0.0765	-60	444	454	ALPEFFNGKKNK					Mascot
1435.6522	1435.6346	-0.0176	-12	867	877	HFEETIMDR			Oxidation (M)[9]		Mascot
1588.9342	1588.8239	-0.1103	-69	846	859	IKSLVALLVETQMK			Oxidation (M)[13]		Mascot
1727.9034	1727.7109	-0.1925	-111	880	893	EALEQQRQQLSER					Mascot
2166.0688	2165.9822	-0.0866	-40	457	473	TPEIYLAYRNFIDTYR					Mascot
2239.1204	2239.0647	-0.0557	-25	595	612	EWTEQETLLLLLEAMYK					Mascot
2500.1636	2500.0054	-0.1582	-63	36	55	YWENPEIMSQMETVRSW			Oxidation (M)[8]		Mascot

		2587.2087	2587.1311	-0.0776	-30	1	26	IGK MAAQTQGSAAAGLTTSQ VSCSTSISR		Carbamidomethyl (C)[20], Oxidation (M)[1]	Mascot			
		2587.2087	2587.1311	-0.0776	-30	1	26	MAAQTQGSAAAGLTTSQ VSCSTSISR		Carbamidomethyl (C)[20], Oxidation (M)[1]	Mascot			
31	PREDICTED: hypothetical protein LOC100535526 [Danio rerio]							gi 326666594	8416.1	6.82	5	31	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4608	864.4622	0.0014	2	1	7	MTTEKVR					Mascot
1397.7094	1397.5557	-0.1537	-110	59	71	AGLTESFSVSLMR					Mascot
1553.8104	1553.7214	-0.089	-57	59	72	AGLTESFSVSLMRR					Mascot
1569.8053	1569.7236	-0.0817	-52	59	72	AGLTESFSVSLMRR			Oxidation (M)[12]		Mascot
1569.8053	1569.7236	-0.0817	-52	58	71	RAGLTESFSVSLMR			Oxidation (M)[13]		Mascot
2248.9897	2249.0127	0.023	10	41	58	SMWTDIDCND AHLMDR R			Carbamidomethyl (C)[8]		Mascot

32	PREDICTED: CAP-Gly domain-containing linker protein 3 [Danio rerio]							gi 326674275	59111.2	8.27	11	31	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
831.4069	831.4297	0.0228	27	332	338	YFICSAK					Mascot
1022.5298	1022.5317	0.0019	2	368	376	MDLSRVTKG			Oxidation (M)[1]		Mascot
1051.6047	1051.6805	0.0758	72	420	428	QGIVRFFGK					Mascot
1279.6576	1279.7373	0.0797	62	204	215	CLLEHGANPAVR					Mascot
1298.6885	1298.7068	0.0183	14	491	501	KVHQVTMSQPK			Oxidation (M)[7]		Mascot
1341.7372	1341.675	-0.0622	-46	407	419	VEVG DQVLVAGQK					Mascot
1895.0708	1894.9038	-0.167	-88	407	424	VEVG DQVLVAGQKQGIV R					Mascot
2192.9788	2193.04	0.0612	28	522	538	LLFCCWFPWMLRAEMQS			Oxidation (M)[10,15]		Mascot
2247.1689	2247.0562	-0.1127	-50	263	283	ATLPNYDNIPGNLMLSSL GLK			Oxidation (M)[14]		Mascot
2404.3499	2403.9988	-0.3511	-146	64	83	TTIPELFAIRQWVPQVQH K					Mascot
2500.1335	2500.0054	-0.1281	-51	300	322	FCGTTEFASGQWVGLEL DEPEGK					Mascot

33	novel protein similar to vertebrate tropomyosin 4 (TPM4) (zgc:63909) [Danio rerio]							gi 94732584	23517.9	4.6	7	31	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	850.3975	850.5183	0.1208	142	54	60	AMKDEEK							Mascot
	850.3975	850.5183	0.1208	142	54	60	AMKDEEK							Mascot
	1165.5592	1165.7083	0.1491	128	61	69	MEIQEMQLK			Oxidation (M)[1]				Mascot
	1298.7678	1298.7068	-0.061	-47	88	98	KLVILEGELER							Mascot
	1352.6943	1352.693	-0.0013	-1	141	151	YEEIEKVLSDK							Mascot
	1476.6813	1476.7449	0.0636	43	33	45	LEEAEKAADESER							Mascot
	1727.8922	1727.7109	-0.1813	-105	12	25	IQLVEEELDRAQER							Mascot
	1763.8368	1763.939	0.1022	58	103	118	AEVAECKASDLEELK							Mascot
	1763.8368	1763.939	0.1022	58	103	118	AEVAECKASDLEELK							Mascot
34	novel protein [Danio rerio]				gi 94732266		36954.7	5.69	7	31	0			
	Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	% Modification		Rank	Result Type
	1022.5992	1022.5317	-0.0675	-66	156	164	QPLIHSLSK							Mascot
	1081.5095	1081.5287	0.0192	18	202	210	SNCTRPEFK							Mascot
	1233.5681	1233.6794	0.1113	90	228	238	CNSSVDVAPWR							Mascot
	1476.7781	1476.7449	-0.0332	-22	290	301	HVPLNCPTKPWK				Carbamidomethyl (C)[6]			Mascot
	1718.853	1718.8511	-0.0019	-1	239	254	HEVPEVHVCEAGVSK							Mascot
	1718.853	1718.8511	-0.0019	-1	239	254	HEVPEVHVCEAGVSK							Mascot
	2421.2383	2421.0242	-0.2141	-88	165	185	ANSMINHVHFFIKDLTSA TK							Mascot
	2421.2383	2421.0242	-0.2141	-88	165	185	ANSMINHVHFFIKDLTSA TK							Mascot
	2587.2642	2587.1311	-0.1331	-51	202	222	SNCTRPEFKIVTEECHPL LEK				Carbamidomethyl (C)[3,15]			Mascot
	2587.2642	2587.1311	-0.1331	-51	202	222	SNCTRPEFKIVTEECHPL LEK				Carbamidomethyl (C)[3,15]			Mascot
35	novel protein similar to vertebrate fuse-binding protein-interacting repressor (SIAHBP1) [Danio rerio]				gi 169154385		17912.1	6.73	5	30	0			
	Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	% Modification		Rank	Result Type
	850.4273	850.5183	0.091	107	88	94	ALAIMCR				Carbamidomethyl (C)[6], Oxidation (M)[5]			Mascot
	850.4273	850.5183	0.091	107	88	94	ALAIMCR				Carbamidomethyl (C)[6], Oxidation (M)[5]			Mascot
	985.4659	985.4341	-0.0318	-32	31	38	YAMEQSIK				Oxidation (M)[3]			Mascot
	1061.5707	1061.4308	-0.1399	-132	86	94	QRALAIMCR							Mascot
	1397.6617	1397.5557	-0.106	-76	121	132	SIDMSWDSVTLK				Oxidation (M)[4]			Mascot
	3337.6343	3337.6665	0.0322	10	133	162	HKGFAFVEYEVPEAAQL				Oxidation (M)[22]			Mascot

36 LOC794225 protein [Danio rerio] gi|111306309 57174.6 7.72 10 30 0

ALEQMNSVMLGGR

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
831.457	831.4297	-0.0273	-33	182	188	ETLIAER					Mascot
1025.5626	1025.5756	0.013	13	487	495	SAYTSLQKK					Mascot
1059.5219	1059.5575	0.0356	34	455	463	TSSHLSHYK					Mascot
1165.6398	1165.7083	0.0685	59	21	30	VHESLMPPKK					Mascot
1435.692	1435.6346	-0.0574	-40	238	249	VSDEKMPENTLR					Mascot
1503.7649	1503.7306	-0.0343	-23	118	130	EDKLNDLAETLSR					Mascot
1727.901	1727.7109	-0.1901	-110	223	237	EMLQHVAAVAEFRR					Mascot
2247.165	2247.0562	-0.1088	-48	250	269	AMQENLSVTAQLQQLSE KTK					Mascot
2282.9929	2283.1125	0.1196	52	42	61	TGNMEETEQNAAEELTE SDK					Mascot
2282.9929	2283.1125	0.1196	52	42	61	TGNMEETEQNAAEELTE SDK					Mascot
2298.9878	2299.114	0.1262	55	42	61	TGNMEETEQNAAEELTE SDK			Oxidation (M)[4]		Mascot
2649.2937	2649.1777	-0.116	-44	332	353	QDHQELLDIHSVCTEIE DLRK			Carbamidomethyl (C)[14]		Mascot

37 protein Wnt-2 [Danio rerio] gi|33504539 44105.2 9.03 13 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
831.4107	831.4297	0.019	23	120	126	DHTVFGR					Mascot
842.3569	842.4823	0.1254	149	348	354	MTKCECK					Mascot
850.4199	850.5183	0.0984	116	320	326	VCNKSSR			Carbamidomethyl (C)[2]		Mascot
850.4199	850.5183	0.0984	116	320	326	VCNKSSR			Carbamidomethyl (C)[2]		Mascot
864.4719	864.4622	-0.0097	-11	127	133	VMLRSSR			Oxidation (M)[2]		Mascot
1081.5385	1081.5287	-0.0098	-9	339	347	GYDTTRVNR					Mascot
1341.7195	1341.675	-0.0445	-33	66	77	VICDNIPGLVNK			Carbamidomethyl (C)[3]		Mascot
1397.6842	1397.5557	-0.1285	-92	85	97	HPDLMQSIGQGAK			Oxidation (M)[5]		Mascot
1404.4833	1404.683	0.1997	142	327	338	GMDGCEIMCCGR			Carbamidomethyl (C)[5,9], Oxidation (M)[2]		Mascot
1404.4833	1404.683	0.1997	142	327	338	GMDGCEIMCCGR			Carbamidomethyl (C)[5,9], Oxidation (M)[2]		Mascot
1435.5828	1435.6346	0.0518	36	365	376	DCEETVDVHTCK			Carbamidomethyl (C)[2]		Mascot
1588.7438	1588.8239	0.0801	50	98	108	EWIRECQHQFR			Carbamidomethyl (C)[6]		Mascot
1718.6536	1718.8511	0.1975	115	324	338	SSRGMDGCEIMCCGR			Carbamidomethyl (C)[8,12]		Mascot

	1718.6536	1718.8511	0.1975	115	324	338	SSRGMGCEIMCCGR						Carbamidomethyl (C)[8,12]	Mascot
	1727.751	1727.7109	-0.0401	-23	153	168	ACSQGELKICSCDSQR							Mascot
	2499.9817	2500.0054	0.0237	9	357	376	WCCAVEC RDCEETVDVH TCK						Carbamidomethyl (C)[2,3,7]	Mascot
38	Smarcc1 protein [Danio rerio]				gi 28839767		93996.8	5.31	11	30	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	870.4427	870.513	0.0703	81	639	646	VSEHVGSR					Mascot
	985.5789	985.4341	-0.1448	-147	92	100	RVSNPALTK					Mascot
	1022.5305	1022.5317	0.0012	1	465	473	ALPEFFNGK					Mascot
	1059.4928	1059.5575	0.0647	61	487	494	NFMIDTYR					Mascot
	1264.6685	1264.592	-0.0765	-60	465	475	ALPEFFNGKNK					Mascot
	1588.8441	1588.8239	-0.0202	-13	584	597	GKDKPTDLQNFGLR					Mascot
	2166.0688	2165.9822	-0.0866	-40	478	494	TPEIYLAYRNF MIDTYR					Mascot
	2225.1045	2225.0518	-0.0527	-24	616	633	DWTEQETLLLLLEAL EMYK					Mascot
	2225.1045	2225.0518	-0.0527	-24	616	633	DWTEQETLLLLLEAL EMYK					Mascot
	2283.1299	2283.1125	-0.0174	-8	639	657	VSEHVGSRTQDECILHFL R			Carbamidomethyl (C)[13]		Mascot
	2283.1299	2283.1125	-0.0174	-8	639	657	VSEHVGSRTQDECILHFL R			Carbamidomethyl (C)[13]		Mascot
	2297.9563	2298.1206	0.1643	71	767	786	TEPTETEKMDTSDSQQ PDK			Oxidation (M)[9]		Mascot
	2404.1809	2403.9988	-0.1821	-76	2	30	ATAATAAGGTGSGGPSA GQTGAGSSIGRK					Mascot

39	ovarian TNF receptor [Danio rerio]				gi 110811176		48771.6	5.37	9	30	0			
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	856.4159	856.4957	0.0798	93	329	335	EDDPPRK					Mascot
	985.4771	985.4341	-0.043	-44	227	234	VPIDECPR			Carbamidomethyl (C)[6]		Mascot
	1059.4952	1059.5575	0.0623	59	272	280	SIPVEDER					Mascot
	1298.6045	1298.7068	0.1023	79	59	69	NCEAGTYVKEK			Carbamidomethyl (C)[2]		Mascot
	1476.6813	1476.7449	0.0636	43	214	226	QQSETDGNLEEVK					Mascot
	1727.762	1727.7109	-0.0511	-30	321	334	DQTESWPRED D PPR					Mascot
	2211.0537	2211.0381	-0.0156	-7	310	328	SSPPAQRPTDRDQTESW PR					Mascot
	2266.2515	2266.0271	-0.2244	-99	398	417	EGLRANINTLLQALLDL D QR					Mascot
	2283.9038	2284.1047	0.2009	88	41	58	QMTCLNHEYPHNGFCC K			Carbamidomethyl (C)[4,16], Oxidation (M)[2]		Mascot

40 peptidyl-prolyl cis-trans isomerase FKBP14 [Danio rerio] gi|51011027 24658.3 5.59 6 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1279.5881	1279.7373	0.1492	117	91	101	GLQNMCAKEKR			Carbamidomethyl (C)[6], Oxidation (M)[5]		Mascot
1397.6179	1397.5557	-0.0622	-45	191	202	EDEDKDGFISSR					Mascot
1552.6882	1552.699	0.0108	7	87	100	GWDKGLQNMCAKEK			Oxidation (M)[9]		Mascot
2224.9814	2225.0518	0.0704	32	140	157	SHEFQEMDLNDDWKLSK			Oxidation (M)[8]		Mascot
2224.9814	2225.0518	0.0704	32	140	157	SHEFQEMDLNDDWKLSK			Oxidation (M)[8]		Mascot
2304.9939	2305.0891	0.0952	41	136	154	NGPRSHESFQEMDLNDDWK					Mascot
2404.2197	2403.9988	-0.2209	-92	2	21	IPELWTCIFSVFFVYVHGA					Mascot

41 PREDICTED: protein Shroom4-like [Danio rerio] gi|292616002 10930.9 8.85 1 16 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1763.8922	1763.939	0.0468	27	56	72	VGDELVNINGSALYGSR	16	0		1	Mascot

42 Si:ch211-219i10.1 protein [Danio rerio] gi|157423258 46246 5.14 1 16 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1404.7482	1404.683	-0.0652	-46	200	212	ATPGVSELSQLFR	16	0		3	Mascot

43 transcription factor E2F3 [Danio rerio] gi|238859663 46441.9 7.62 1 15 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1404.7263	1404.683	-0.0433	-31	227	237	RLDELIQTCTR	15	0	Carbamidomethyl (C)[9]	4	Mascot

44 large proline-rich protein BAT2 [Danio rerio] gi|319738640 203991.3 9.72 1 14 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1718.8741	1718.8511	-0.023	-13	717	733	VGDDSVKVVCEVGTGR	14	0		2	Mascot

45 hypothetical protein LOC560271 [Danio rerio] gi|71834426 41860.1 4.74 1 13 0

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	1569.7577	1569.7236	-0.0341	-22	164	176 MIQGYQSEITDIR		13	0	Oxidation (M)[1]	2 Mascot
46	F-box only protein 9 isoform 2 [Danio rerio]				gi 51592151	38692.1	5.99	1	11	0	
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	1763.9261	1763.939	0.0129	7	195	209 GFYICARDPLVTVPR		11	0	Carbamidomethyl (C)[5]	2 Mascot
47	novel protein (zgc:113263) [Danio rerio]				gi 169154304	49549.6	5.45	1	10	0	
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	1718.8782	1718.8511	-0.0271	-16	168	182 MVSVPDLSETVSWLR		10	0		3 Mascot
48	zinc finger protein 423 [Danio rerio]				gi 121583818	151366.6	6.38	1	10	0	
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	1404.6899	1404.683	-0.0069	-5	1049	1061 VTHSKSLDTGTCR		10	0		6 Mascot
49	unnamed protein product [Danio rerio]				gi 165993203	53658.4	5.88	1	9	0	
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	1718.9282	1718.8511	-0.0771	-45	89	104 NTEGEIATTSKLSIVR		9	0		4 Mascot
50	novel protein (zgc:101815) [Danio rerio]				gi 220673200	22516	6.19	1	9	0	
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	1718.8322	1718.8511	0.0189	11	103	117 CHSKCMSLINKPCVR		9	0		5 Mascot

Gel Idx/Pos	233/J9	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
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1	hypothetical protein LOC792137 [Danio rerio]	gi 160333322	29960.3	6.45	12	597	100	513	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1195.5742	1195.5336	-0.0406	-34	188	198	GWPNTAYGTTK					Mascot
1208.6058	1208.5636	-0.0422	-35	263	272	EPHGQLVWDK					Mascot
1234.679	1234.6379	-0.0411	-33	26	37	AGFTGDILLTAR					Mascot
1234.679	1234.6379	-0.0411	-33	26	37	AGFTGDILLTAR	111	100			Mascot
1349.6366	1349.5902	-0.0464	-34	146	157	SLDQCSAELQAK			Carbamidomethyl (C)[5]		Mascot
1547.8064	1547.7518	-0.0546	-35	41	55	LGQEAIAGLQSEGFK	110	100			Mascot
1547.8064	1547.7518	-0.0546	-35	41	55	LGQEAIAGLQSEGFK					Mascot
1664.9006	1664.8435	-0.0571	-34	81	96	YGGLDVLINNAGIAFK	101	100			Mascot
1664.9006	1664.8435	-0.0571	-34	81	96	YGGLDVLINNAGIAFK					Mascot
1750.8064	1750.7469	-0.0595	-34	97	112	NAATEPFGEQAEVTMR					Mascot
1750.8064	1750.7469	-0.0595	-34	97	112	NAATEPFGEQAEVTMR	119	100			Mascot
1766.8014	1766.7407	-0.0607	-34	97	112	NAATEPFGEQAEVTMR			Oxidation (M)[15]		Mascot
1766.8014	1766.7407	-0.0607	-34	97	112	NAATEPFGEQAEVTMR	85	100	Oxidation (M)[15]		Mascot
2050.9143	2050.8474	-0.0669	-33	56	72	NVVFHQLDICDQGSCMK			Carbamidomethyl (C)[10,15]		Mascot
2066.9092	2066.8445	-0.0647	-31	56	72	NVVFHQLDICDQGSCMK			Carbamidomethyl (C)[10,15], Oxidation (M)[16]		Mascot
2089.0159	2088.949	-0.0669	-32	243	262	SPEEGAETPVYLAMLPE GAK					Mascot
2105.0107	2104.9424	-0.0683	-32	243	262	SPEEGAETPVYLAMLPE GAK			Oxidation (M)[14]		Mascot
2194.0454	2194.0215	-0.0239	-11	56	74	NVVFHQLDICDQGSCMK LK			Oxidation (M)[16]		Mascot
2497.2439	2497.1646	-0.0793	-32	211	232	VLNETRPGDGILLNACCP GWVR	72	99.998	Carbamidomethyl (C)[16,17]		Mascot
2497.2439	2497.1646	-0.0793	-32	211	232	VLNETRPGDGILLNACCP GWVR			Carbamidomethyl (C)[16,17]		Mascot
3150.4353	3150.3574	-0.0779	-25	160	187	NKDLSEELCLLMGEFV QDAQAGDHSK			Carbamidomethyl (C)[10], Oxidation (M)[13]		Mascot

2	carbonyl reductase [NADPH] 1 [Danio rerio]	gi 35902843	29960.3	6.89	12	595	100	513	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	1195.5742	1195.5336	-0.0406	-34	188	198	GWPNTAYGTTK										Mascot
	1208.6058	1208.5636	-0.0422	-35	263	272	EPHQLVWDK										Mascot
	1234.679	1234.6379	-0.0411	-33	26	37	AGFTGDILLTAR										Mascot
	1234.679	1234.6379	-0.0411	-33	26	37	AGFTGDILLTAR	111	100								Mascot
	1349.6366	1349.5902	-0.0464	-34	146	157	SLDQCSAELQAK					Carbamidomethyl (C)[5]					Mascot
	1547.8064	1547.7518	-0.0546	-35	41	55	LGQEAIALQSEGFK	110	100								Mascot
	1547.8064	1547.7518	-0.0546	-35	41	55	LGQEAIALQSEGFK										Mascot
	1664.9006	1664.8435	-0.0571	-34	81	96	YGGLDVLINNAGIAFK	101	100								Mascot
	1664.9006	1664.8435	-0.0571	-34	81	96	YGGLDVLINNAGIAFK										Mascot
	1750.8064	1750.7469	-0.0595	-34	97	112	NAATEPFGEQAEVTMR										Mascot
	1750.8064	1750.7469	-0.0595	-34	97	112	NAATEPFGEQAEVTMR	119	100								Mascot
	1766.8014	1766.7407	-0.0607	-34	97	112	NAATEPFGEQAEVTMR					Oxidation (M)[15]					Mascot
	1766.8014	1766.7407	-0.0607	-34	97	112	NAATEPFGEQAEVTMR	85	100			Oxidation (M)[15]					Mascot
	2050.9143	2050.8474	-0.0669	-33	56	72	NVVFHQDIDCDQGSCMK					Carbamidomethyl (C)[10,15]					Mascot
	2066.9092	2066.8445	-0.0647	-31	56	72	NVVFHQDIDCDQGSCMK					Carbamidomethyl (C)[10,15], Oxidation (M)[16]					Mascot
	2089.0159	2088.949	-0.0669	-32	243	262	SPEEGAETPVYLAMLPE GAK										Mascot
	2105.0107	2104.9424	-0.0683	-32	243	262	SPEEGAETPVYLAMLPE GAK					Oxidation (M)[14]					Mascot
	2194.0454	2194.0215	-0.0239	-11	56	74	NVVFHQDIDCDQGSCMK LK					Oxidation (M)[16]					Mascot
	2497.2439	2497.1646	-0.0793	-32	211	232	VLNETRPGDGILLNACCP GWVR	72	99.998			Carbamidomethyl (C)[16,17]					Mascot
	2497.2439	2497.1646	-0.0793	-32	211	232	VLNETRPGDGILLNACCP GWVR					Carbamidomethyl (C)[16,17]					Mascot
	3150.4353	3150.3574	-0.0779	-25	160	187	NKDLSEELCLLMGEFV QDAQAGDHSK					Carbamidomethyl (C)[10], Oxidation (M)[13]					Mascot
3	Cbr1l protein [Danio rerio]				gi 42542442		29961.3	6.45	11	584	100	513	100				

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	1195.5742	1195.5336	-0.0406	-34	188	198	GWPNTAYGTTK							Mascot
	1208.6058	1208.5636	-0.0422	-35	263	272	EPHQLVWDK							Mascot
	1234.679	1234.6379	-0.0411	-33	26	37	AGFTGDILLTAR							Mascot
	1234.679	1234.6379	-0.0411	-33	26	37	AGFTGDILLTAR	111	100					Mascot
	1349.6366	1349.5902	-0.0464	-34	146	157	SLDQCSAELQAK				Carbamidomethyl (C)[5]			Mascot
	1547.8064	1547.7518	-0.0546	-35	41	55	LGQEAIALQSEGFK	110	100					Mascot
	1547.8064	1547.7518	-0.0546	-35	41	55	LGQEAIALQSEGFK							Mascot
	1664.9006	1664.8435	-0.0571	-34	81	96	YGGLDVLINNAGIAFK	101	100					Mascot
	1664.9006	1664.8435	-0.0571	-34	81	96	YGGLDVLINNAGIAFK							Mascot

	1750.8064	1750.7469	-0.0595	-34	97	112	NAATEPFGEQAEVTMR							Mascot
	1750.8064	1750.7469	-0.0595	-34	97	112	NAATEPFGEQAEVTMR	119	100					Mascot
	1766.8014	1766.7407	-0.0607	-34	97	112	NAATEPFGEQAEVTMR			Oxidation (M)[15]				Mascot
	1766.8014	1766.7407	-0.0607	-34	97	112	NAATEPFGEQAEVTMR	85	100	Oxidation (M)[15]				Mascot
	2050.9143	2050.8474	-0.0669	-33	56	72	NVVFHQDLICDQGSCMK			Carbamidomethyl (C)[10,15]				Mascot
	2066.9092	2066.8445	-0.0647	-31	56	72	NVVFHQDLICDQGSCMK			Carbamidomethyl (C)[10,15], Oxidation (M)[16]				Mascot
	2089.0159	2088.949	-0.0669	-32	243	262	SPEEGAETPVYLAMLPE GAK							Mascot
	2105.0107	2104.9424	-0.0683	-32	243	262	SPEEGAETPVYLAMLPE GAK			Oxidation (M)[14]				Mascot
	2194.0454	2194.0215	-0.0239	-11	56	74	NVVFHQDLICDQGSCMK LK			Oxidation (M)[16]				Mascot
	2497.2439	2497.1646	-0.0793	-32	211	232	VLNETRPGDGILLNACCP GWVR	72	99.998	Carbamidomethyl (C)[16,17]				Mascot
	2497.2439	2497.1646	-0.0793	-32	211	232	VLNETRPGDGILLNACCP GWVR			Carbamidomethyl (C)[16,17]				Mascot
4	carbonyl reductase 1 [Danio rerio]					gi 35903048	29928	7.57	5	119	100	101	100	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	856.4312	856.4965	0.0653	76	112	118	TNFFATR						Mascot
	1664.9006	1664.8435	-0.0571	-34	80	95	YGGLDVLINNAGIAFK	101	100				Mascot
	1664.9006	1664.8435	-0.0571	-34	80	95	YGGLDVLINNAGIAFK						Mascot
	1695.8258	1695.7665	-0.0593	-35	96	111	MADTTTPTGQADVTLK						Mascot
	1750.78	1750.7469	-0.0331	-19	159	173	SDDITEELNGLMER						Mascot
	1750.78	1750.7469	-0.0331	-19	159	173	SDDITEELNGLMER						Mascot
	1766.7749	1766.7407	-0.0342	-19	159	173	SDDITEELNGLMER				Oxidation (M)[13]		Mascot
	1766.7749	1766.7407	-0.0342	-19	159	173	SDDITEELNGLMER				Oxidation (M)[13]		Mascot
	2497.2842	2497.1646	-0.1196	-48	112	133	TNFFATRDMCNVFLPIIKP GGR						Mascot
	2497.2842	2497.1646	-0.1196	-48	112	133	TNFFATRDMCNVFLPIIKP GGR						Mascot

5 vitellogenin 2 isoform 1 [Danio rerio] gi|113678458 179782.8 8.7 11 103 100 90 100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	850.4702	850.5121	0.0419	49	1547	1553	MKLESVK				Oxidation (M)[1]		Mascot
	864.3945	864.4676	0.0731	85	1409	1415	KDEESEK						Mascot
	1208.5946	1208.5636	-0.031	-26	347	356	DTEAIWAQFK						Mascot
	1521.7544	1521.7025	-0.0519	-34	164	176	TQYVISEDPKADR						Mascot

	1664.9152	1664.8435	-0.0717	-43	483	498	VLGNAGHPSSLKPIMK						Oxidation (M)[15]	Mascot
	1664.9152	1664.8435	-0.0717	-43	483	498	VLGNAGHPSSLKPIMK						Oxidation (M)[15]	Mascot
	1689.9323	1689.8737	-0.0586	-35	119	134	VFAPAGVSPSVLNLYR							Mascot
	1689.9323	1689.8737	-0.0586	-35	119	134	VFAPAGVSPSVLNLYR	90	100					Mascot
	2230.1682	2230.1333	-0.0349	-16	597	618	ITAPDMSSVAGAANVAIK LMNR							Mascot
	2233.2446	2233.0103	-0.2343	-105	425	445	IATIPALREVVMLGYGSMI AK							Mascot
	2249.2395	2249.0017	-0.2378	-106	425	445	IATIPALREVVMLGYGSMI AK						Oxidation (M)[12]	Mascot
	2280.2122	2280.1023	-0.1099	-48	283	302	GSLQYEFATEILQTPIQLT K							Mascot
	2406.1877	2406.1626	-0.0251	-10	1244	1263	AEAGLLGEFPAFRLEWE WER							Mascot
	3124.3333	3124.5081	0.1748	56	1354	1379	AQNYIYDYTTAQCSMMQ DTISTFNNK						Carbamidomethyl (C)[13], Oxidation (M)[15]	Mascot
6	PREDICTED: vitellogenin-like, partial [Danio rerio]					gi 326681170	93358.3	9.2	7	102	100	90	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1208.5946	1208.5636	-0.031	-26	347	356	DTEAIWAQFK					Mascot
1521.7544	1521.7025	-0.0519	-34	164	176	TQYVISEDPKADR					Mascot
1664.9152	1664.8435	-0.0717	-43	483	498	VLGNAGHPSSLKPIMK			Oxidation (M)[15]		Mascot
1664.9152	1664.8435	-0.0717	-43	483	498	VLGNAGHPSSLKPIMK			Oxidation (M)[15]		Mascot
1689.9323	1689.8737	-0.0586	-35	119	134	VFAPAGVSPSVLNLYR					Mascot
1689.9323	1689.8737	-0.0586	-35	119	134	VFAPAGVSPSVLNLYR	90	100			Mascot
2230.1682	2230.1333	-0.0349	-16	597	618	ITAPDMSSVAGAANVAIK LMNR					Mascot
2233.2446	2233.0103	-0.2343	-105	425	445	IATIPALREVVMLGYGSMI AK					Mascot
2249.2395	2249.0017	-0.2378	-106	425	445	IATIPALREVVMLGYGSMI AK			Oxidation (M)[12]		Mascot
2280.2122	2280.1023	-0.1099	-48	283	302	GSLQYEFATEILQTPIQLT K					Mascot

7 PREDICTED: calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C-like, partial gi|326681376 45655.3 5.68 10 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.5515	856.4965	-0.055	-64	27	32	IWLRLR					Mascot
864.4429	864.4676	0.0247	29	104	110	QMGLMLR			Oxidation (M)[2]		Mascot
1045.5823	1045.5269	-0.0554	-53	37	44	CLVKQLER			Carbamidomethyl (C)[1]		Mascot
1062.5691	1062.6549	0.0858	81	112	119	TEEKPRFR					Mascot

	1457.7958	1457.6224	-0.1734	-119	41	53	QLERGEASLVDLK											Mascot
	1903.0358	1902.8788	-0.157	-82	138	155	TSNMVGLSYPPNVIK											Mascot
	1976.0535	1975.8392	-0.2143	-108	120	136	SIVHAVQAGIFVERMYR											Mascot
	2249.1128	2249.0017	-0.1111	-49	322	341	ALVVEMVLATDMSCHFQ QVK											Mascot
	2283.2634	2283.1052	-0.1582	-69	193	213	FKIPVSALVSFVEALEVG YSK											Mascot
	2283.2634	2283.1052	-0.1582	-69	193	213	FKIPVSALVSFVEALEVG YSK											Mascot
	2299.2583	2299.1062	-0.1521	-66	195	215	IPVSALVSFVEALEVGYS KYK											Mascot
8	PREDICTED: chromodomain-helicase-DNA-binding protein 9-like [Danio rerio]						gi 326669481	278654.9	8.67	24	40	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4665	842.4813	0.0148	18	1477	1483	AMARLHK			Oxidation (M)[2]		Mascot
870.5043	870.5125	0.0082	9	1807	1815	NASVVPGVK					Mascot
1051.5604	1051.6777	0.1173	112	603	611	NCKLLEGFK					Mascot
1106.5437	1106.5178	-0.0259	-23	2356	2365	AERTEAQSSK					Mascot
1234.6249	1234.6379	0.013	11	1294	1303	ADPKLCFLDR			Carbamidomethyl (C)[6]		Mascot
1234.6637	1234.6379	-0.0258	-21	981	991	TKTITIESEGR					Mascot
1279.6021	1279.7307	0.1286	100	477	488	NCILADEMGLGK			Oxidation (M)[8]		Mascot
1441.8162	1441.6281	-0.1881	-130	2163	2176	IGGAFAPPLKDLSR					Mascot
1521.7219	1521.7025	-0.0194	-13	1887	1900	AYEGNAVASFYTTK					Mascot
1547.7998	1547.7518	-0.048	-31	1298	1310	LCFLDRVGRPDEK					Mascot
1547.7998	1547.7518	-0.048	-31	1298	1310	LCFLDRVGRPDEK					Mascot
1664.7333	1664.8435	0.1102	66	149	163	VMSPDSFSSSSQHR			Oxidation (M)[2]		Mascot
1664.806	1664.8435	0.0375	23	968	980	FCEEDIDQLQRR					Mascot
1686.754	1686.6707	-0.0833	-49	1199	1212	HNPEHMLSDDGYKK			Oxidation (M)[6]		Mascot
1699.861	1699.8768	0.0158	9	2137	2151	NPNKIDINSLTGEER					Mascot
1718.7988	1718.8467	0.0479	28	740	753	CCNHPYLIKGAEEK			Carbamidomethyl (C)[1,2]		Mascot
1988.0059	1987.9663	-0.0396	-20	841	856	FSKPDSDRFVFLCTR			Carbamidomethyl (C)[14]		Mascot
2089.0527	2088.949	-0.1037	-50	721	739	GAGQANVPNLLNTMMEL RK			Oxidation (M)[14,15]		Mascot
2211.0322	2211.0327	0.0005	0	1589	1606	TDYHILRDPELCYMAAQR			Oxidation (M)[14]		Mascot
2230.0715	2230.1333	0.0618	28	459	475	DYQLEGVNWLLFNWYNR					Mascot
2282.9988	2283.1052	0.1064	47	356	374	AHFFAEDDPFNPDYVEV DR					Mascot
2282.9988	2283.1052	0.1064	47	356	374	AHFFAEDDPFNPDYVEV DR					Mascot
2297.3015	2297.1106	-0.1909	-83	502	522	TGIKGPFLIAPLSTIANWE					Mascot

	2299.1816	2299.1062	-0.0754	-33	273	293	R KPAVQLFVENPTEEDAAV VDK										Mascot
	2353.158	2353.0391	-0.1189	-51	1121	1138	DVEWICRALLSYCLVHYR						Carbamidomethyl (C)[6,13]				Mascot
	3338.5801	3338.6528	0.0727	22	1548	1575	HPQLYEHLCQPGPDL PVWWETGSHDR						Carbamidomethyl (C)[11]				Mascot
9	PREDICTED: GTPase IMAP family member 8-like [Danio rerio]				gi 326665564		118540.2	5.94	10	39	0	24	0				

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	838.4855	838.5138	0.0283	34	365	371	YKVMGLK						Mascot
	870.458	870.5125	0.0545	63	350	356	FHEGPKR						Mascot
	882.4059	882.5364	0.1305	148	415	421	MSEMEKK						Mascot
	1174.5674	1174.6155	0.0481	41	357	366	LCSQYGGRYK						Mascot
	1195.6061	1195.5336	-0.0725	-61	1006	1015	TEIICQTMLK				Oxidation (M)[8]		Mascot
	1234.5732	1234.6379	0.0647	52	2	12	CENEDLAALTR						Mascot
	1234.5732	1234.6379	0.0647	52	2	12	CENEDLAALTR	26	30.264				Mascot
	1664.7937	1664.8435	0.0498	30	1017	1029	HKSKPLHFHYCMH						Mascot
	1664.7937	1664.8435	0.0498	30	1017	1029	HKSKPLHFHYCMH						Mascot
	1975.9364	1975.8392	-0.0972	-49	391	406	TKPYSLQMYMTAQQNR				Oxidation (M)[8]		Mascot
	2051.147	2050.8474	-0.2996	-146	519	538	CVSLSAPGPHVFIVLSL GR						Mascot
	2247.1008	2247.0615	-0.0393	-17	391	408	TKPYSLQMYMTAQQNRV R				Oxidation (M)[8,10]		Mascot

10	PREDICTED: hypothetical protein LOC100329848 [Danio rerio]				gi 326680473		127498.5	5.65	8	37	0	26	30.264				
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	838.4855	838.5138	0.0283	34	368	374	YKVMGLK						Mascot
	882.4059	882.5364	0.1305	148	418	424	MSEMEKK						Mascot
	1174.5674	1174.6155	0.0481	41	360	369	LCSQYGGRYK						Mascot
	1195.6061	1195.5336	-0.0725	-61	1066	1075	TEIICQTMLK				Oxidation (M)[8]		Mascot
	1234.5732	1234.6379	0.0647	52	2	12	CENEDLAALTR						Mascot
	1234.5732	1234.6379	0.0647	52	2	12	CENEDLAALTR	26	30.264				Mascot
	1975.9364	1975.8392	-0.0972	-49	394	409	TKPYSLQMYMTAQQNR				Oxidation (M)[8]		Mascot
	2051.147	2050.8474	-0.2996	-146	522	541	CVSLSAPGPHVFIVLSL GR						Mascot
	2247.1008	2247.0615	-0.0393	-17	394	411	TKPYSLQMYMTAQQNRV R				Oxidation (M)[8,10]		Mascot

11 caspase c [Danio rerio] gi|61806574 44909.8 5.99 11 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1195.524	1195.5336	0.0096	8	161	168	QTYFFCWK			Carbamidomethyl (C)[6]		Mascot
1208.5902	1208.5636	-0.0266	-22	251	260	DELSMEMLLK					Mascot
1279.5889	1279.7307	0.1418	111	78	88	TEFSCPHFVGR					Mascot
1521.7267	1521.7025	-0.0242	-16	78	90	TEFSCPHFVGRGK			Carbamidomethyl (C)[5]		Mascot
1695.9614	1695.7665	-0.1949	-115	192	206	VKAPDPLKPCPKQFK					Mascot
1750.8365	1750.7469	-0.0896	-51	60	74	MPADYVVACFKCYLK					Mascot
1750.8365	1750.7469	-0.0896	-51	60	74	MPADYVVACFKCYLK					Mascot
1766.8314	1766.7407	-0.0907	-51	60	74	MPADYVVACFKCYLK			Oxidation (M)[1]		Mascot
1766.8314	1766.7407	-0.0907	-51	60	74	MPADYVVACFKCYLK			Oxidation (M)[1]		Mascot
2067.1418	2066.8445	-0.2973	-144	194	211	APDPLKPCPKQFKSEILR					Mascot
2283.0029	2283.1052	0.1023	45	288	307	EEHAHSDSCFVVLMSHG NAR			Carbamidomethyl (C)[9]		Mascot
2283.0029	2283.1052	0.1023	45	288	307	EEHAHSDSCFVVLMSHG NAR			Carbamidomethyl (C)[9]		Mascot
2284.1926	2284.0986	-0.094	-41	251	270	DELSMEMLLKGLGYTVV TLR			Oxidation (M)[5]		Mascot
2299.113	2299.1062	-0.0068	-3	91	110	TCGAKLSYQEICQLMPLT DK			Carbamidomethyl (C)[2]		Mascot
2300.1875	2300.0991	-0.0884	-38	251	270	DELSMEMLLKGLGYTVV TLR			Oxidation (M)[5,7]		Mascot
2353.1526	2353.0391	-0.1135	-48	380	400	DFCCLRSSTPVTVDPLL TGK			Carbamidomethyl (C)[3,4]		Mascot

12 PREDICTED: kinesin heavy chain isoform 5A-like [Danio rerio]

gi|326668924 111180.1 6.01 14 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4087	850.5121	0.1034	122	615	621	KMEETGR					Mascot
1062.5942	1062.6549	0.0607	57	793	801	LFVQDLTAR					Mascot
1208.6093	1208.5636	-0.0457	-38	163	172	VPYVKGCTER			Carbamidomethyl (C)[7]		Mascot
1279.5769	1279.7307	0.1538	120	1	11	MADISAECNIR			Carbamidomethyl (C)[8]		Mascot
1457.7166	1457.6224	-0.0942	-65	604	615	QLESLLQTDCHRK					Mascot
1521.8523	1521.7025	-0.1498	-98	228	241	LYLVDLAGESEKVS					Mascot
1664.7618	1664.8435	0.0817	49	444	457	EQMLDQEELLACAR			Oxidation (M)[3]		Mascot
1664.7618	1664.8435	0.0817	49	444	457	EQMLDQEELLACAR			Oxidation (M)[3]		Mascot
1695.8336	1695.7665	-0.0671	-40	554	568	DLNDFSFILNGDLR					Mascot

	1750.8397	1750.7469	-0.0928	-53	1	15	MADISAECNIRVLCR				Carbamidomethyl (C)[8]	Mascot
	1750.8397	1750.7469	-0.0928	-53	1	15	MADISAECNIRVLCR				Carbamidomethyl (C)[8]	Mascot
	1766.8346	1766.7407	-0.0939	-53	1	15	MADISAECNIRVLCR				Carbamidomethyl (C)[8], Oxidation (M)[1]	Mascot
	1766.8346	1766.7407	-0.0939	-53	1	15	MADISAECNIRVLCR	4	0		Carbamidomethyl (C)[8], Oxidation (M)[1]	Mascot
	1902.8539	1902.8788	0.0249	13	935	951	DQPITFSNAMFNSSSEK					Mascot
	2051.0115	2050.8474	-0.1641	-80	326	343	TIMNSASVNLELTAEQWK				Oxidation (M)[3]	Mascot
	2207.1125	2207.0354	-0.0771	-35	326	344	TIMNSASVNLELTAEQWK R				Oxidation (M)[3]	Mascot
	2233.0588	2233.0103	-0.0485	-22	444	462	EQMLDQEELLACARADL ER					Mascot
	2249.0537	2249.0017	-0.052	-23	444	462	EQMLDQEELLACARADL ER				Oxidation (M)[3]	Mascot
	2280.1982	2280.1023	-0.0959	-42	205	223	SHSIFLINIKQEHVETEQQ					Mascot
13	PREDICTED: glucosamine-6-phosphate isomerase 2-like [Danio rerio]					gi 125835344	31331.8	6.26	7	35	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1174.6578	1174.6155	-0.0423	-36	24	33	IIQFKPSADR					Mascot
1441.678	1441.6281	-0.0499	-35	68	79	TFNMDEYVGLPR					Mascot
1457.673	1457.6224	-0.0506	-35	68	79	TFNMDEYVGLPR			Oxidation (M)[4]		Mascot
1695.8258	1695.7665	-0.0593	-35	235	248	TIFICDEDATELR			Carbamidomethyl (C)[5]		Mascot
1821.9269	1821.8564	-0.0705	-39	3	18	LVILDDYDLASEWAAK					Mascot
1902.9418	1902.8788	-0.063	-33	34	50	YFTLGLPTGSTPLGCYR			Carbamidomethyl (C)[15]		Mascot
2353.1143	2353.0391	-0.0752	-32	215	234	AIEEGVNHMWTVSAFQQ HPR			Oxidation (M)[9]		Mascot
3124.606	3124.5081	-0.0979	-31	125	156	ISAAGGIELFVGGIGPDG HIAFNEPGSSLSVR					Mascot

14	cytochrome P450, family 26, subfamily C, polypeptide 1 [Danio rerio]					gi 121583836	62611.5	8.72	10	35	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4057	864.4676	0.0619	72	469	475	EESKSER					Mascot
1062.6418	1062.6549	0.0131	12	187	195	SLTFRIAVR					Mascot
1521.6486	1521.7025	0.0539	35	343	357	CNGNAISEEGEAAEK					Mascot
1750.9374	1750.7469	-0.1905	-109	421	435	TVLQTFELNGYQIPK					Mascot
1750.9374	1750.7469	-0.1905	-109	421	435	TVLQTFELNGYQIPK					Mascot
1821.8031	1821.8564	0.0533	29	341	357	SRCNGNAISEEGEAAEK			Carbamidomethyl (C)[3]		Mascot
1988.1763	1987.9663	-0.21	-106	86	103	THLLGKPLIRVTGAENIR					Mascot

	2050.9722	2050.8474	-0.1248	-61	322	340	ARAELESEGLITDGHGHC R						Mascot
	2066.9673	2066.8445	-0.1228	-59	324	342	AELESEGLITDGHGHC R						Mascot
	2230.0696	2230.1333	0.0637	29	167	186	SEIAKWCTETGSVEVYTA AK				Carbamidomethyl (C)[7]		Mascot
	2249.0906	2249.0017	-0.0889	-40	172	191	WCTETGSVEVYAAKSL TFR						Mascot

15 actinodin1 [Danio rerio] gi|308736982 64235 5.82 10 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.3668	864.4676	0.1008	117	285	291	YPNC DPR					Mascot
1045.4659	1045.5269	0.061	58	157	164	DPYCLYSK			Carbamidomethyl (C)[4]		Mascot
1174.615	1174.6155	0.0005	0	374	383	HMPAQLQPPR					Mascot
1195.6833	1195.5336	-0.1497	-125	189	199	APAYLHTPVVK					Mascot
1686.8057	1686.6707	-0.135	-80	350	363	APQIPQHDPYAMFR			Oxidation (M)[12]		Mascot
1699.8472	1699.8768	0.0296	17	141	156	AEAPVPAPVKSCDPYR					Mascot
1766.7512	1766.7407	-0.0105	-6	151	164	SCDPYRDPYCLYSK			Carbamidomethyl (C)[2]		Mascot
1766.7512	1766.7407	-0.0105	-6	151	164	SCDPYRDPYCLYSK			Carbamidomethyl (C)[2]		Mascot
2193.9175	2194.0215	0.104	47	449	467	TGVIEPDPCDPEYDRN CR					Mascot
2233.0923	2233.0103	-0.082	-37	203	221	SGQYYYSPLVQPFLSAE QR					Mascot
2353.1394	2353.0391	-0.1003	-43	242	264	AAYGYRSAAALAPSYAHL GCDPK					Mascot

16 PREDICTED: beta,beta-carotene 9',10'-oxygenase [Danio rerio] gi|326667805 64772.2 6.9 10 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4495	864.4676	0.0181	21	484	490	MDLETKK					Mascot
1106.6456	1106.5178	-0.1278	-115	532	541	STFLLVLDAK					Mascot
1174.5813	1174.6155	0.0342	29	330	338	EMPVKYYTK			Oxidation (M)[2]		Mascot
1195.6252	1195.5336	-0.0916	-77	231	240	NKGAMYNIIR			Oxidation (M)[5]		Mascot
1279.6675	1279.7307	0.0632	49	418	429	LDSTATAICRTK					Mascot
1349.7675	1349.5902	-0.1773	-131	530	541	DKSTFLLVLDAK					Mascot
1521.7842	1521.7025	-0.0817	-54	233	245	GAMYNIIRVSPER			Oxidation (M)[3]		Mascot
2089.0388	2088.949	-0.0898	-43	309	325	GIYWDPNQETIFHLIDK					Mascot
2194.0371	2194.0215	-0.0156	-7	428	445	TKTQVFCTFEDLYGEDLK			Carbamidomethyl (C)[7]		Mascot
2211.0168	2211.0327	0.0159	7	378	396	QSGEALDEMYNTMSRPL			Oxidation (M)[9]		Mascot

17 calcineurin B homologous protein 2 [Danio rerio] gi|41054153 22536.6 5.62 6 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1195.6946	1195.5336	-0.161	-135	87	96	ILAHFRPVDK					Mascot
1208.5946	1208.5636	-0.031	-26	77	86	DTVDFHTFVK					Mascot
1441.7368	1441.6281	-0.1087	-75	44	56	RGHLCPQDFGAIK					Mascot
2207.1165	2207.0354	-0.0811	-37	57	76	ELAMNPIGDRIIDAFFSPG K			Oxidation (M)[4]		Mascot
2283.1438	2283.1052	-0.0386	-17	12	31	IPNVDELMQETGFSPAII R			Oxidation (M)[8]		Mascot
2283.1438	2283.1052	-0.0386	-17	12	31	IPNVDELMQETGFSPAII R			Oxidation (M)[8]		Mascot
2284.1648	2284.0986	-0.0662	-29	67	86	IIDAFFSPGKDTVDFHTFV K					Mascot

18 PREDICTED: paxillin-like [Danio rerio] gi|326667590 52290.9 8.22 7 34 0 19 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1165.6068	1165.7047	0.0979	84	187	196	KNIMIMAAQ GK			Oxidation (M)[4,6]		Mascot
1441.703	1441.6281	-0.0749	-52	36	48	VTQASKGDEQNHK					Mascot
1547.8032	1547.7518	-0.0514	-33	223	237	LGVQTVAKGVCGACK	19	0	Carbamidomethyl (C)[11,14]		Mascot
1547.8032	1547.7518	-0.0514	-33	223	237	LGVQTVAKGVCGACK			Carbamidomethyl (C)[11,14]		Mascot
1689.7325	1689.8737	0.1412	84	270	282	NFFERDGGPYCEK			Carbamidomethyl (C)[11]		Mascot
1689.7325	1689.8737	0.1412	84	270	282	NFFERDGGPYCEK			Carbamidomethyl (C)[11]		Mascot
1788.9347	1788.7198	-0.2149	-120	188	204	NIMIMAAQ GKSSPTSVPK					Mascot
1987.9867	1987.9663	-0.0204	-10	292	309	CYYCSGPILDKVVTALDK					Mascot
2225.0657	2225.0471	-0.0186	-8	407	427	GSLCSGCQKPITGR CITA MGK			Carbamidomethyl (C)[4,7]		Mascot
2225.0657	2225.0471	-0.0186	-8	407	427	GSLCSGCQKPITGR CITA MGK			Carbamidomethyl (C)[4,7]		Mascot

19 PREDICTED: actin filament-associated protein 1-like [Danio rerio] gi|189525987 89049.3 9.08 13 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
838.4417	838.5138	0.0721	86	547	553	YSPKSTR					Mascot
842.473	842.4813	0.0083	10	599	605	LDKNQPK					Mascot
850.3974	850.5121	0.1147	135	690	696	KVEDECK					Mascot

	996.5182	996.5625	0.0443	44	178	185	DNKLLCYK						Mascot
	996.5182	996.5625	0.0443	44	178	185	DNKLLCYK						Mascot
	1045.6074	1045.5269	-0.0805	-77	172	180	LLCVIKDNK						Mascot
	1165.6211	1165.7047	0.0836	72	18	27	EYLTAGVREK						Mascot
	1174.5773	1174.6155	0.0382	33	391	401	GCEVIPGLDSK			Carbamidomethyl (C)[2]			Mascot
	1234.6725	1234.6379	-0.0346	-28	153	162	DARICAFLLR			Carbamidomethyl (C)[5]			Mascot
	1234.6725	1234.6379	-0.0346	-28	153	162	DARICAFLLR			Carbamidomethyl (C)[5]			Mascot
	1975.9	1975.8392	-0.0608	-31	137	152	MRHQWPSEEASMDLVK			Oxidation (M)[1,12]			Mascot
	2089.1362	2088.949	-0.1872	-90	1	17	MEELLAELRVFLELLDR						Mascot
	2105.1311	2104.9424	-0.1887	-90	1	17	MEELLAELRVFLELLDR			Oxidation (M)[1]			Mascot
	2211.1147	2211.0327	-0.082	-37	189	208	DQTPQMELLLSGCSITHI PK						Mascot
	2233.124	2233.0103	-0.1137	-51	408	428	LLRNGQEVAVLEASSSES MGR						Mascot
	2248.9556	2249.0017	0.0461	20	246	268	EVCSNGNGVVDGCDGAG SGSTVHK			Carbamidomethyl (C)[3]			Mascot
	2284.1311	2284.0986	-0.0325	-14	189	208	DQTPQMELLLSGCSITHI PK			Carbamidomethyl (C)[13], Oxidation (M)[6]			Mascot
20	PREDICTED: zinc finger protein 91 [Danio rerio]				gi 326678135		96401.5	9.32	18	33	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1051.5643	1051.6777	0.1134	108	107	115	SFARQSSLR					Mascot
1062.6558	1062.6549	-0.0009	-1	191	199	TFSLQLIK					Mascot
1106.6027	1106.5178	-0.0849	-77	728	736	TFLRPCELK					Mascot
1256.6528	1256.6152	-0.0376	-30	563	572	NKNNLTIHMR			Oxidation (M)[9]		Mascot
1695.7577	1695.7665	0.0088	5	797	811	THTGGKPYTCTQCGK			Carbamidomethyl (C)[10,13]		Mascot
1750.8074	1750.7469	-0.0605	-35	450	465	MIHTGEKPFTCAQCGK					Mascot
1750.8074	1750.7469	-0.0605	-35	450	465	MIHTGEKPFTCAQCGK					Mascot
1766.7584	1766.7407	-0.0177	-10	92	106	VHTNERPYSCSECGK			Carbamidomethyl (C)[10]		Mascot
1766.7584	1766.7407	-0.0177	-10	92	106	VHTNERPYSCSECGK			Carbamidomethyl (C)[10]		Mascot
1821.9025	1821.8564	-0.0461	-25	470	485	QSCLAQHQQIHTGVSK			Carbamidomethyl (C)[3]		Mascot
2207.0596	2207.0354	-0.0242	-11	144	162	AHQHIHTGVREFVCVEG GK			Carbamidomethyl (C)[14]		Mascot
2211.1067	2211.0327	-0.074	-33	135	153	GFSHQSHFAHQHIHTG VR					Mascot
2224.8628	2225.0471	0.1843	83	598	615	HMMIHNEENPHECDQCG K			Carbamidomethyl (C)[13], Oxidation (M)[2]		Mascot
2224.8628	2225.0471	0.1843	83	598	615	HMMIHNEENPHECDQCG K			Carbamidomethyl (C)[13], Oxidation (M)[2]		Mascot
2230.0239	2230.1333	0.1094	49	89	106	HLRVHTNERPYSCSECG K			Carbamidomethyl (C)[13,16]		Mascot
2246.9375	2247.0615	0.124	55	503	521	QHQMTHHTGEKPYTCSHC			Oxidation (M)[4]		Mascot

	2283.2061	2283.1052	-0.1009	-44	232	251	DK IHTMENTNVIRALCGAILT R		Carbamidomethyl (C)[14]	Mascot	
	2283.2061	2283.1052	-0.1009	-44	232	251	IHTMENTNVIRALCGAILT R		Carbamidomethyl (C)[14]	Mascot	
	2297.0735	2297.1106	0.0371	16	653	671	KHQMIHTGEKPYVCSHC GK		Carbamidomethyl (C)[14,17]	Mascot	
	2299.0781	2299.1062	0.0281	12	450	469	MIHTGEKPFTCAQCGKSF TR		Carbamidomethyl (C)[11]	Mascot	
	2406.061	2406.1626	0.1016	42	32	50	FHMMIHTGEKPFKCSHC DK		Carbamidomethyl (C)[14,17], Oxidation (M)[3]	Mascot	
	2479.105	2479.2087	0.1037	42	332	353	TEQSFLMERAANGFICT QCGK		Oxidation (M)[7]	Mascot	
21	PHD finger protein 10 [Danio rerio]				gi 37681905		46186.7	8.21	10	33	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
	856.4523	856.4965	0.0442	52	26	32	DLSHKEK					Mascot	
	996.4567	996.5625	0.1058	106	19	25	YPEMERR			Oxidation (M)[4]		Mascot	
	996.4567	996.5625	0.1058	106	19	25	YPEMERR			Oxidation (M)[4]		Mascot	
	1256.6705	1256.6152	-0.0553	-44	254	265	VKSNDRPGAQGK					Mascot	
	1689.7256	1689.8737	0.1481	88	333	344	IKMYPWQCMECK			Carbamidomethyl (C)[8,11], Oxidation (M)[3]		Mascot	
	1689.7256	1689.8737	0.1481	88	333	344	IKMYPWQCMECK			Carbamidomethyl (C)[8,11], Oxidation (M)[3]		Mascot	
	1750.8932	1750.7469	-0.1463	-84	55	69	SDEVIDLMIKEYPAK					Mascot	
	1750.8932	1750.7469	-0.1463	-84	55	69	SDEVIDLMIKEYPAK					Mascot	
	1766.8881	1766.7407	-0.1474	-83	55	69	SDEVIDLMIKEYPAK			Oxidation (M)[8]		Mascot	
	1766.8881	1766.7407	-0.1474	-83	55	69	SDEVIDLMIKEYPAK			Oxidation (M)[8]		Mascot	
	2211.1597	2211.0327	-0.127	-57	165	183	TGPFPPVALIPGQFQEYYK R					Mascot	
	2284.2012	2284.0986	-0.1026	-45	163	182	TKTGPFPPVALIPGQFQEY YK					Mascot	
	2352.9175	2353.0391	0.1216	52	345	363	TCTVCQQPHHEEEMMFC DK			Carbamidomethyl (C)[2]		Mascot	
	3124.2734	3124.5081	0.2347	75	364	390	CDRGFHTFCVGMDSIPM GCWVCDLCSK			Carbamidomethyl (C)[1,9]		Mascot	
	3338.5383	3338.6528	0.1145	34	303	332	GKPEALIHCSQCQNSGH PSCLDMSVDLVAK			Carbamidomethyl (C)[9,12,20]		Mascot	

22 hypothetical protein LOC799147 [Danio rerio] gi|130487208 15157.6 7.64 5 33 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
	842.477	842.4813	0.0043	5	124	130	KGSLFYK					Mascot	
	1664.8676	1664.8435	-0.0241	-14	110	124	TVEYGLSSVTCHLKK					Mascot	
	1664.8676	1664.8435	-0.0241	-14	110	124	TVEYGLSSVTCHLKK					Mascot	

	1686.8334	1686.6707	-0.1627	-96	37	52	DLTGDPAGNKPDYVK							Mascot
	2207.2104	2207.0354	-0.175	-79	9	29	LVSLAVLMLASQLDFASA SVR	Oxidation (M)[8]						Mascot
	2225.0081	2225.0471	0.039	18	68	86	DNANPVWSAEFNPNCN SK	Carbamidomethyl (C)[16]						Mascot
	2225.0081	2225.0471	0.039	18	68	86	DNANPVWSAEFNPNCN SK	Carbamidomethyl (C)[16]						Mascot
23	SET domain containing 2 [Danio rerio]				gi 113470943		20601.3	8.54	7	32	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1051.5275	1051.6777	0.1502	143	108	116	LLMIECSSR						Mascot
	1256.5623	1256.6152	0.0529	42	117	127	CLNGAYCSNRR						Mascot
	1547.7417	1547.7518	0.0101	7	94	107	ARGILACGEDCLNR				Carbamidomethyl (C)[7]		Mascot
	1547.7417	1547.7518	0.0101	7	94	107	ARGILACGEDCLNR				Carbamidomethyl (C)[7]		Mascot
	2067.0215	2066.8445	-0.177	-86	128	144	FQMKQHADYEVILTESK						Mascot
	2247.0137	2247.0615	0.0478	21	108	126	LLMIECSSRCLNGAYCSN R				Carbamidomethyl (C)[6,10]		Mascot
	2305.0918	2305.0896	-0.0022	-1	153	171	DLQPNTFVLEYCGEVL DHR				Carbamidomethyl (C)[12]		Mascot
	2353.113	2353.0391	-0.0739	-31	96	116	GILACGEDCLNRLLMIEC SSR				Carbamidomethyl (C)[5]		Mascot

24	Svil protein [Danio rerio]				gi 33585888		62983.3	5.83	10	32	0			
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	864.4607	864.4676	0.0069	8	526	532	KALEMTR				Oxidation (M)[5]		Mascot
	1165.5483	1165.7047	0.1564	134	69	79	GYGLVEGEEGR						Mascot
	1234.6038	1234.6379	0.0341	28	253	262	ASLYLWHGCK				Carbamidomethyl (C)[9]		Mascot
	1234.6038	1234.6379	0.0341	28	253	262	ASLYLWHGCK				Carbamidomethyl (C)[9]		Mascot
	1256.5286	1256.6152	0.0866	69	319	329	AYDCMLQDPGK				Oxidation (M)[5]		Mascot
	1441.645	1441.6281	-0.0169	-12	318	329	KAYDCMLQDPGK				Carbamidomethyl (C)[5], Oxidation (M)[6]		Mascot
	1457.7126	1457.6224	-0.0902	-62	414	425	KCAMETVLQYSK				Carbamidomethyl (C)[2]		Mascot
	2104.9766	2104.9424	-0.0342	-16	184	202	EPPCFLLQCFNGGMIVHA GK				Carbamidomethyl (C)[4]		Mascot
	2283.1221	2283.1052	-0.0169	-7	35	54	ELRSGECRPYDASLMLS ALR				Oxidation (M)[15]		Mascot
	2283.1221	2283.1052	-0.0169	-7	35	54	ELRSGECRPYDASLMLS ALR				Oxidation (M)[15]		Mascot
	2297.1992	2297.1106	-0.0886	-39	467	486	EAEVCHQILVEDVLSRLC K						Mascot
	2305.1499	2305.0896	-0.0603	-26	336	356	LFQLSSASGEFAAVEFVY PSR						Mascot

25	PREDICTED: hypothetical protein LOC100329524				gi 326673694		14303.5	7.66	5	32	0			
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[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1234.5383	1234.6379	0.0996	81	118	127	ACFWKYCVTN					Mascot	
1234.5383	1234.6379	0.0996	81	118	127	ACFWKYCVTN					Mascot	
1547.8289	1547.7518	-0.0771	-50	93	106	LAAADNLRSQGYLR					Mascot	
1547.8289	1547.7518	-0.0771	-50	93	106	LAAADNLRSQGYLR					Mascot	
1822.0328	1821.8564	-0.1764	-97	1	17	MLSLAVLYILAVVCSAR					Mascot	
1902.9039	1902.8788	-0.0251	-13	40	56	LVAEVEDGQSNLDEQR					Mascot	
2051.1504	2050.8474	-0.303	-148	1	18	MLSLAVLYILAVVCSARR			Carbamidomethyl (C)[14], Oxidation (M)[1]		Mascot	

26 vitellogenin 2 isoform 2 [Danio rerio] gi|160333705 93050.4 8.22 11 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
850.4702	850.5121	0.0419	49	750	756	MKLESVK			Oxidation (M)[1]		Mascot	
864.3945	864.4676	0.0731	85	612	618	KDEESEK					Mascot	
1208.5946	1208.5636	-0.031	-26	93	102	DTEAIWAQFK					Mascot	
1664.9152	1664.8435	-0.0717	-43	229	244	VLGNAGHPSSLKPIMK			Oxidation (M)[15]		Mascot	
1664.9152	1664.8435	-0.0717	-43	229	244	VLGNAGHPSSLKPIMK			Oxidation (M)[15]		Mascot	
1750.9633	1750.7469	-0.2164	-124	58	72	EVLKHLVENNVAMVR					Mascot	
1750.9633	1750.7469	-0.2164	-124	58	72	EVLKHLVENNVAMVR					Mascot	
1766.9581	1766.7407	-0.2174	-123	58	72	EVLKHLVENNVAMVR			Oxidation (M)[13]		Mascot	
1766.9581	1766.7407	-0.2174	-123	58	72	EVLKHLVENNVAMVR			Oxidation (M)[13]		Mascot	
1788.8546	1788.7198	-0.1348	-75	1	15	MMEATQSLVFVEFEK					Mascot	
2233.2446	2233.0103	-0.2343	-105	171	191	IATIPALREVVMLGYGSMIAK					Mascot	
2249.2395	2249.0017	-0.2378	-106	171	191	IATIPALREVVMLGYGSMIAK			Oxidation (M)[12]		Mascot	
2280.2122	2280.1023	-0.1099	-48	29	48	GSLQYEFATEILQTPIQLTK					Mascot	
2406.1877	2406.1626	-0.0251	-10	447	466	AEAGLLGEFPAFRLEWEWER					Mascot	
2479.2974	2479.2087	-0.0887	-36	1	22	MMEATQSLVFVEFEKAPVVPVK					Mascot	
3124.3333	3124.5081	0.1748	56	557	582	AQNYIYDYTTAQCSMMQDTISTFNNK			Carbamidomethyl (C)[13], Oxidation (M)[15]		Mascot	

27 Gfap protein [Danio rerio] gi|124504410 51101 5.34 5 31 0 20 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	850.4265	850.5121	0.0856	101	434	440 ESTTERK					Mascot
	1106.5259	1106.5178	-0.0081	-7	320	327 QLREMEER			Oxidation (M)[5]		Mascot
	1750.835	1750.7469	-0.0881	-50	342	355 LEDEIQMLKEEMAR			Oxidation (M)[7]		Mascot
	1750.835	1750.7469	-0.0881	-50	342	355 LEDEIQMLKEEMAR	20	0	Oxidation (M)[7]		Mascot
	1766.83	1766.7407	-0.0893	-51	342	355 LEDEIQMLKEEMAR			Oxidation (M)[7,12]		Mascot
	1766.83	1766.7407	-0.0893	-51	342	355 LEDEIQMLKEEMAR	16	0	Oxidation (M)[7,12]		Mascot
	1902.9088	1902.8788	-0.03	-16	82	97 VEMMGLNDRFASYIEK					Mascot
	2230.0444	2230.1333	0.0889	40	323	341 EMEERFAIETAAYQDTVA R					Mascot
28	PREDICTED: e3 ubiquitin-protein ligase RBBP6-like [Danio rerio]				gi 326670174	29593.2	9.79	6	31	0	
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1441.7104	1441.6281	-0.0823	-57	251	262 IQNSLSVCTTYR			Carbamidomethyl (C)[8]		Mascot
	1521.7478	1521.7025	-0.0453	-30	251	263 IQNSLSVCTTYRH					Mascot
	1547.7495	1547.7518	0.0023	1	156	169 HCPTNVGSR SAPHK	6	0	Carbamidomethyl (C)[2]		Mascot
	1547.7495	1547.7518	0.0023	1	156	169 HCPTNVGSR SAPHK			Carbamidomethyl (C)[2]		Mascot
	2283.2441	2283.1052	-0.1389	-61	99	119 ADPSLLSLEQLLK TENLA EAK					Mascot
	2283.2441	2283.1052	-0.1389	-61	99	119 ADPSLLSLEQLLK TENLA EAK					Mascot
	2305.0886	2305.0896	0.001	0	232	250 TCYSLPTRCQLMFQNLN TR			Oxidation (M)[12]		Mascot
	2406.0774	2406.1626	0.0852	35	126	145 LKAVMYQSSLCYSSSE AMR			Carbamidomethyl (C)[11], Oxidation (M)[5,19]		Mascot
29	ras-related protein Rab-4A [Danio rerio]				gi 226823210	23987.1	5.57	6	31	0	
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1051.5419	1051.6777	0.1358	129	130	138 EVTFLASR					Mascot
	1195.4718	1195.5336	0.0618	52	203	213 AQAESIQECGC			Carbamidomethyl (C)[9]		Mascot
	1689.9026	1689.8737	-0.0289	-17	108	122 MLASQNIVILCGNK			Carbamidomethyl (C)[12], Oxidation (M)[1]		Mascot
	1689.9026	1689.8737	-0.0289	-17	108	122 MLASQNIVILCGNK			Carbamidomethyl (C)[12], Oxidation (M)[1]		Mascot
	1976.0236	1975.8392	-0.1844	-93	76	93 SYRGAAGALLVYDITSR					Mascot
	2207.1382	2207.0354	-0.1028	-47	2	21 SETYDFLFKFLVIGNAGT GK					Mascot
	3338.687	3338.6528	-0.0342	-10	94	122 ETYNALTNWLT DARM LA			Carbamidomethyl (C)[26], Oxidation (M)[15]		Mascot

30 novel protein (zgc:73157) [Danio rerio] SQNIVILCGNK
gi|148725328 24797.4 9.03 6 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4665	842.4813	0.0148	18	120	126	MLKSAHR					Mascot
864.4838	864.4676	-0.0162	-19	209	214	YIRAWR					Mascot
1256.6714	1256.6152	-0.0562	-45	1	11	MLGGHVCVLRR			Oxidation (M)[1]		Mascot
1695.8855	1695.7665	-0.119	-70	110	122	LFRPMLNMNRMLK			Oxidation (M)[5,8]		Mascot
1788.7675	1788.7198	-0.0477	-27	127	142	ACLPSFDCAELMECIK			Oxidation (M)[12]		Mascot
1902.8104	1902.8788	0.0684	36	127	142	ACLPSFDCAELMECIK			Carbamidomethyl (C)[2,8], Oxidation (M)[12]		Mascot
2297.0181	2297.1106	0.0925	40	123	142	SAHRACLPSFDCAELMECIK			Carbamidomethyl (C)[6], Oxidation (M)[16]		Mascot

31 Fibroblast growth factor receptor 4 [Danio rerio] gi|213624874 103408.9 5.69 12 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.425	870.5125	0.0875	101	503	509	MQVHPSR			Oxidation (M)[1]		Mascot
1045.5636	1045.5269	-0.0367	-35	21	30	SITSGEPRAK					Mascot
1234.7126	1234.6379	-0.0747	-60	180	189	VQHNARIQIR					Mascot
1234.7126	1234.6379	-0.0747	-60	180	189	VQHNARIQIR					Mascot
1521.7267	1521.7025	-0.0242	-16	163	175	CDTNRPQAVQWFK					Mascot
1547.7424	1547.7518	0.0094	6	257	268	APYWTHTQRMEK					Mascot
1547.7424	1547.7518	0.0094	6	257	268	APYWTHTQRMEK					Mascot
1699.8373	1699.8768	0.0395	23	835	848	ECWHAVPTQRPTFK					Mascot
2088.897	2088.949	0.052	25	819	834	MDKPSNCTHELYMKMR			Carbamidomethyl (C)[7], Oxidation (M)[1,13,15]		Mascot
2105.106	2104.9424	-0.1636	-78	728	746	NVLVTEDNVMKIADFGLAR					Mascot
2232.9946	2233.0103	0.0157	7	815	832	EGHRMDKPSNCTHELYMK			Carbamidomethyl (C)[11]		Mascot
2248.9895	2249.0017	0.0122	5	815	832	EGHRMDKPSNCTHELYMK			Carbamidomethyl (C)[11], Oxidation (M)[5]		Mascot
2280.158	2280.1023	-0.0557	-24	100	119	VNIFPLVNISLEDAGEYVC			Carbamidomethyl (C)[19]		Mascot
2299.2375	2299.1062	-0.1313	-57	2	20	LSILKVFIACFMELVCSR			Carbamidomethyl (C)[11,17]		Mascot
2353.1855	2353.0391	-0.1464	-62	690	709	VPEEQLTFKDLVSCAYQV			Carbamidomethyl (C)[14]		Mascot

32 PREDICTED: macrophage-stimulating protein receptor [Danio rerio] gi|292619047 154062 6.02 15 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
838.4451	838.5138	0.0687	82	737	743	SRVMTTK			Oxidation (M)[4]		Mascot
856.4345	856.4965	0.062	72	1090	1096	EIHCAVK			Carbamidomethyl (C)[4]		Mascot
882.4138	882.5364	0.1226	139	1206	1213	VADFGMAR			Oxidation (M)[6]		Mascot
996.4744	996.5625	0.0881	88	142	151	ENGPPGPSK					Mascot
996.4897	996.5625	0.0728	73	978	985	LSYFSHSR					Mascot
1062.5248	1062.6549	0.1301	122	896	904	VLDNEITCR					Mascot
1208.5802	1208.5636	-0.0166	-14	808	817	MECITPVFPR			Oxidation (M)[1]		Mascot
1547.854	1547.7518	-0.1022	-66	768	780	IIIEGRNLDVYR					Mascot
1547.854	1547.7518	-0.1022	-66	768	780	IIIEGRNLDVYR					Mascot
1699.9741	1699.8768	-0.0973	-57	1161	1176	NPTVKDLIGFLQVAK					Mascot
1976.1174	1975.8392	-0.2782	-141	617	634	IRSGTTETLFKPLNVTAK					Mascot
1987.9158	1987.9663	0.0505	25	1073	1089	GHFGTVYHGYLTDHNNR					Mascot
2206.9929	2207.0354	0.0425	19	1195	1213	NCMLDESYTVKVADFGMAR			Carbamidomethyl (C)[2]		Mascot
2230.0222	2230.1333	0.1111	50	874	895	LNLVSSCMSITMTVGDDVDCGGK					Mascot
2299.1499	2299.1062	-0.0437	-19	204	223	MSISVRRPVATEDGFYTDVR					Mascot
3124.5408	3124.5081	-0.0327	-10	176	203	VSMVEEGQTVYFFVAATVNNSVTQKYGR					Mascot

33

novel protein similar to human fuse-binding protein-interacting repressor (SIAHBP1) [Danio rerio]

gi|27817319

53692.4

5.32

8

31

0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4273	850.5121	0.0848	100	64	70	ALAIMCR			Carbamidomethyl (C)[6], Oxidation (M)[5]		Mascot
1547.8574	1547.7518	-0.1056	-68	394	407	QAAIQSKSTVMVLR			Oxidation (M)[11]		Mascot
1547.8574	1547.7518	-0.1056	-68	394	407	QAAIQSKSTVMVLR			Oxidation (M)[11]		Mascot
1664.7771	1664.8435	0.0664	40	97	110	SIDMSWDSVTMKHK					Mascot
1664.7771	1664.8435	0.0664	40	97	110	SIDMSWDSVTMKHK					Mascot
2247.1501	2247.0615	-0.0886	-39	436	454	VIIYQERQGEEDDAEIVK					Mascot
2305.146	2305.0896	-0.0564	-24	164	183	AYNRIYVASIHPDLSDDDIK					Mascot
2497.0051	2497.1646	0.1595	64	408	429	NMVGPEIDDDLEGEVMEECGK			Carbamidomethyl (C)[20], Oxidation (M)[2]		Mascot
2497.0051	2497.1646	0.1595	64	408	429	NMVGPEIDDDLEGEVMEECGK			Carbamidomethyl (C)[20], Oxidation (M)[2]		Mascot
3124.7439	3124.5081	-0.2358	-75	239	272	VGKAVTPPMPLLTPTTPGLPPAAAVAAAAATAK			Oxidation (M)[9]		Mascot
3337.6343	3337.6492	0.0149	4	109	138	HKGFAFVEYEVPEAAQLALEQMNSVMLGGR			Oxidation (M)[22]		Mascot

34 poly(U)-binding-splicing factor PUF60-B [Danio rerio] gi|50344898 53920.5 5.26 8 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4273	850.5121	0.0848	100	64	70	ALAIMCR			Carbamidomethyl (C)[6], Oxidation (M)[5]		Mascot
1547.8574	1547.7518	-0.1056	-68	397	410	QAAIQSKSTVMVLR			Oxidation (M)[11]		Mascot
1547.8574	1547.7518	-0.1056	-68	397	410	QAAIQSKSTVMVLR			Oxidation (M)[11]		Mascot
1664.7771	1664.8435	0.0664	40	97	110	SIDMSWDSVTMKHK					Mascot
1664.7771	1664.8435	0.0664	40	97	110	SIDMSWDSVTMKHK					Mascot
2247.1501	2247.0615	-0.0886	-39	439	457	VIIYQERQGEEDAEIVK					Mascot
2305.146	2305.0896	-0.0564	-24	164	183	AYNRIYVASIHPDLSDDDI K					Mascot
2497.0051	2497.1646	0.1595	64	411	432	NMVGPEIDDDLEGEVM EECGK			Carbamidomethyl (C)[20], Oxidation (M)[2]		Mascot
2497.0051	2497.1646	0.1595	64	411	432	NMVGPEIDDDLEGEVM EECGK			Carbamidomethyl (C)[20], Oxidation (M)[2]		Mascot
3124.7439	3124.5081	-0.2358	-75	239	272	VGKAVTPPMPLLTPTTPG GLPPAAAVAAAAATAK			Oxidation (M)[9]		Mascot
3337.6343	3337.6492	0.0149	4	109	138	HKGFAFVEYEVPEAAQL ALEQMNSVMLGGR			Oxidation (M)[22]		Mascot

35 TrkA [Danio rerio] gi|994861 18983.6 6.4 6 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4138	882.5364	0.1226	139	142	149	IGDFGMSR					Mascot
1195.5266	1195.5336	0.007	6	150	158	DIYSTDYR					Mascot
1686.9207	1686.6707	-0.25	-148	126	141	DLATRNCLVGEGLVVK					Mascot
2051.0413	2050.8474	-0.1939	-95	131	149	NCLVGEGLVVKIGDFGM SR			Carbamidomethyl (C)[2]		Mascot
2067.0361	2066.8445	-0.1916	-93	131	149	NCLVGEGLVVKIGDFGM SR			Carbamidomethyl (C)[2], Oxidation (M)[17]		Mascot
2211.0857	2211.0327	-0.053	-24	1	20	YLAECANLCPDSDKMLV AIK					Mascot
2229.9653	2230.1333	0.168	75	51	69	FYGVCAEDGEPLAMVFY MR			Oxidation (M)[13,18]		Mascot
2284.1021	2284.0986	-0.0035	-2	1	20	YLAECANLCPDSDKMLV AIK			Carbamidomethyl (C)[5], Oxidation (M)[15]		Mascot

36 glial fibrillary acidic protein [Danio rerio] gi|37722304 51205 5.34 4 30 0 20 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4265	850.5121	0.0856	101	435	441	ESTTERK					Mascot

	1106.5259	1106.5178	-0.0081	-7	321	328	QLREMEER						Oxidation (M)[5]		Mascot
	1750.835	1750.7469	-0.0881	-50	343	356	LEDEIQLMLKEEMAR						Oxidation (M)[7]		Mascot
	1750.835	1750.7469	-0.0881	-50	343	356	LEDEIQLMLKEEMAR	20	0				Oxidation (M)[7]		Mascot
	1766.83	1766.7407	-0.0893	-51	343	356	LEDEIQLMLKEEMAR						Oxidation (M)[7,12]		Mascot
	1766.83	1766.7407	-0.0893	-51	343	356	LEDEIQLMLKEEMAR	16	0				Oxidation (M)[7,12]		Mascot
	1902.9088	1902.8788	-0.03	-16	83	98	VEMMGLNDRFASYIEK								Mascot

37 glial fibrillary acidic protein [Danio rerio] gi|66393075 51190 5.34 4 30 0 20 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4265	850.5121	0.0856	101	435	441	ESTTERK					Mascot
1062.5248	1062.6549	0.1301	122	321	328	QLKEMEER					Mascot
1750.835	1750.7469	-0.0881	-50	343	356	LEDEIQLMLKEEMAR			Oxidation (M)[7]		Mascot
1750.835	1750.7469	-0.0881	-50	343	356	LEDEIQLMLKEEMAR	20	0	Oxidation (M)[7]		Mascot
1766.83	1766.7407	-0.0893	-51	343	356	LEDEIQLMLKEEMAR			Oxidation (M)[7,12]		Mascot
1766.83	1766.7407	-0.0893	-51	343	356	LEDEIQLMLKEEMAR	16	0	Oxidation (M)[7,12]		Mascot
1902.9088	1902.8788	-0.03	-16	83	98	VEMMGLNDRFASYIEK					Mascot

38 PREDICTED: hypothetical protein LOC100332625 [Danio rerio] gi|292619215 9203.5 8.69 4 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1821.7545	1821.8564	0.1019	56	2	15	TGWNCWFEYCMLPR			Oxidation (M)[11]		Mascot
2050.843	2050.8474	0.0044	2	1	15	MTGWNCWFEYCMLPR			Carbamidomethyl (C)[6,11]		Mascot
2066.8379	2066.8445	0.0066	3	1	15	MTGWNCWFEYCMLPR			Carbamidomethyl (C)[6,11], Oxidation (M)[1]		Mascot
2193.9741	2194.0215	0.0474	22	1	17	MTGWNCWFEYCMLPRLK			Oxidation (M)[1]		Mascot
2233.1208	2233.0103	-0.1105	-49	18	37	FKPSMSDSLSTFPYAVNTSK					Mascot
2249.1157	2249.0017	-0.114	-51	18	37	FKPSMSDSLSTFPYAVNTSK			Oxidation (M)[5]		Mascot

39 PREDICTED: nasal embryonic luteinizing hormone-releasing hormone factor-like [Danio rerio] gi|292625328 64188.4 6.35 9 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
868.4709	868.5223	0.0514	59	483	489	LSRFMSK					Mascot
1051.6119	1051.6777	0.0658	63	254	261	QRRPPLER					Mascot

1279.6124	1279.7307	0.1183	92	238	249	SQGSLDLESSTR						Mascot
1664.8086	1664.8435	0.0349	21	238	253	SQGSLDLESSTREAGK						Mascot
1664.8086	1664.8435	0.0349	21	238	253	SQGSLDLESSTREAGK						Mascot
1766.8555	1766.7407	-0.1148	-65	110	124	LSLERSFSAEEDQQK						Mascot
1766.8555	1766.7407	-0.1148	-65	110	124	LSLERSFSAEEDQQK						Mascot
1902.6938	1902.8788	0.185	97	361	374	CEDMDWEEEREMER				Oxidation (M)[4]		Mascot
1975.7102	1975.8392	0.129	65	361	374	CEDMDWEEEREMER				Carbamidomethyl (C)[1], Oxidation (M)[4,12]		Mascot
2089.1084	2088.949	-0.1594	-76	446	463	MLIFCQGGPGHLYLLKNK				Carbamidomethyl (C)[5]		Mascot
2105.1033	2104.9424	-0.1609	-76	446	463	MLIFCQGGPGHLYLLKNK				Carbamidomethyl (C)[5], Oxidation (M)[1]		Mascot
2211.0759	2211.0327	-0.0432	-20	11	29	DCILSVWPA LTSACVLF R				Carbamidomethyl (C)[2,14]		Mascot
2353.0547	2353.0391	-0.0156	-7	115	134	SFSAEEDQKKCECALQ PAR				Carbamidomethyl (C)[11,14]		Mascot

40 RecName: Full=Poly(U)-binding-splicing factor PUF60-B

gi|160332383 55385.1 5.25 8 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
850.4273	850.5121	0.0848	100	81	87	ALAIMCR			Carbamidomethyl (C)[6], Oxidation (M)[5]		Mascot	
1547.8574	1547.7518	-0.1056	-68	411	424	QAAIQSKSTVMVLR			Oxidation (M)[11]		Mascot	
1547.8574	1547.7518	-0.1056	-68	411	424	QAAIQSKSTVMVLR			Oxidation (M)[11]		Mascot	
1664.7771	1664.8435	0.0664	40	114	127	SIDMSWDSVTMKHK					Mascot	
1664.7771	1664.8435	0.0664	40	114	127	SIDMSWDSVTMKHK					Mascot	
2247.1501	2247.0615	-0.0886	-39	453	471	VIIYQERQGEEDDAEIVK					Mascot	
2305.146	2305.0896	-0.0564	-24	181	200	AYNRIYVASIHPDLSDDDI K					Mascot	
2497.0051	2497.1646	0.1595	64	425	446	NMVGPEIDDDLEGEVM EECGK			Carbamidomethyl (C)[20], Oxidation (M)[2]		Mascot	
2497.0051	2497.1646	0.1595	64	425	446	NMVGPEIDDDLEGEVM EECGK			Carbamidomethyl (C)[20], Oxidation (M)[2]		Mascot	
3124.7439	3124.5081	-0.2358	-75	256	289	VGKAVTPPMPLLTPTTPG GLPPAAAVAAAAATAK			Oxidation (M)[9]		Mascot	
3337.6343	3337.6492	0.0149	4	126	155	HKGFAFVEYEVPEAAQL ALEQMNSVMLGGR			Oxidation (M)[22]		Mascot	

41 PREDICTED: interferon-induced very large GTPase 1-like [Danio rerio]

gi|326665761 191677.2 6.42 18 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
842.473	842.4813	0.0083	10	920	927	SIISHASK					Mascot	
864.4573	864.4676	0.0103	12	163	169	DAFKQQK					Mascot	

868.4774	868.5223	0.0449	52	968	974	LETKYSK						Mascot
1045.5887	1045.5269	-0.0618	-59	613	621	QAELEKISK						Mascot
1051.5419	1051.6777	0.1358	129	1623	1630	NLEQKYEK						Mascot
1195.5477	1195.5336	-0.0141	-12	1367	1376	TLAEEENFDK						Mascot
1664.806	1664.8435	0.0375	23	435	449	GAIQDCLLEASANFR				Carbamidomethyl (C)[6]		Mascot
1664.806	1664.8435	0.0375	23	435	449	GAIQDCLLEASANFR				Carbamidomethyl (C)[6]		Mascot
1686.8698	1686.6707	-0.1991	-118	1363	1376	HILKTLAEEENFDK						Mascot
1699.7882	1699.8768	0.0886	52	82	96	HTGKEEVGTDQNEQK						Mascot
1750.8606	1750.7469	-0.1137	-65	260	274	NTNNETISQTQPIYK						Mascot
1750.8606	1750.7469	-0.1137	-65	260	274	NTNNETISQTQPIYK						Mascot
1902.9088	1902.8788	-0.03	-16	1227	1242	MGYNNSCIQQLIDYIK						Mascot
1975.9252	1975.8392	-0.086	-44	1227	1242	MGYNNSCIQQLIDYIK				Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot
2104.8962	2104.9424	0.0462	22	341	359	FNNCVAFCNLHGDAGEH EK						Mascot
2194.0129	2194.0215	0.0086	4	198	216	IDPMDVQMAVFHCADGF LK				Carbamidomethyl (C)[13]		Mascot
2207.0801	2207.0354	-0.0447	-20	829	848	LYPSCVFVHQNVSDITAG EK						Mascot
2225.1033	2225.0471	-0.0562	-25	293	310	SHLMNSLINEKHNTFFHR						Mascot
2225.1033	2225.0471	-0.0562	-25	293	310	SHLMNSLINEKHNTFFHR						Mascot
2230.0444	2230.1333	0.0889	40	170	190	TDTGSTSHGGDIFKAMSL YNK						Mascot
2479.2576	2479.2087	-0.0489	-20	1255	1275	YEFKNEFFVELVLSICNG SIK						Mascot
3337.7024	3337.6492	-0.0532	-16	387	414	IIQELFTNPKPLICLFTEDD SNIFELER						Mascot

42

novel protein similar to follistatin-like 1 (fstl1, wu:fc25c04) [Danio rerio]

gi|220673211

32875.6

5.1

7

29

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.4315	870.5125	0.081	93	276	282	HQETVEK					Mascot
1766.8424	1766.7407	-0.1017	-58	54	68	NHCELHRDACLTGLK			Carbamidomethyl (C)[3]		Mascot
1766.8424	1766.7407	-0.1017	-58	54	68	NHCELHRDACLTGLK			Carbamidomethyl (C)[3]		Mascot
2050.7617	2050.8474	0.0857	42	232	249	CVCACGNWVCTAMTCD EK			Carbamidomethyl (C)[1,3]		Mascot
2066.7566	2066.8445	0.0879	43	232	249	CVCACGNWVCTAMTCD EK			Carbamidomethyl (C)[1,3], Oxidation (M)[13]		Mascot
2225.0947	2225.0471	-0.0476	-21	192	210	LSFDEFLNCLKPGFSPPE K			Carbamidomethyl (C)[9]		Mascot
2225.0947	2225.0471	-0.0476	-21	192	210	LSFDEFLNCLKPGFSPPE K			Carbamidomethyl (C)[9]		Mascot
2299.9661	2300.0991	0.133	58	250	268	TPVFDTEGDQEMTEEEW TR					Mascot
2353.1897	2353.0391	-0.1506	-64	192	211	LSFDEFLNCLKPGFSPPE			Carbamidomethyl (C)[9]		Mascot

	2497.1047	2497.1646	0.0599	24	150	170	KK FIQHNETAVQMSSYAEEE NNR										Mascot
	2497.1047	2497.1646	0.0599	24	150	170	FIQHNETAVQMSSYAEEE NNR										Mascot
43	PREDICTED: zinc finger protein 569-like [Danio rerio] gi 125851284 48241.3 9.28 12 29 0																

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1165.5895	1165.7047	0.1152	99	127	136	AHMKIHSGER					Mascot
1174.5422	1174.6155	0.0733	62	383	391	MHSREDPFR					Mascot
1195.5017	1195.5336	0.0319	27	220	229	RPCTCQQCEK					Mascot
1279.6688	1279.7307	0.0619	48	97	106	LDVHMRVHTR			Oxidation (M)[5]		Mascot
1664.752	1664.8435	0.0915	55	327	341	THTGEKPFTCAQCGK			Carbamidomethyl (C)[10]		Mascot
1664.752	1664.8435	0.0915	55	327	341	THTGEKPFTCAQCGK			Carbamidomethyl (C)[10]		Mascot
1689.8364	1689.8737	0.0373	22	21	34	QEDLQEQTDLMLVK					Mascot
1689.8364	1689.8737	0.0373	22	21	34	QEDLQEQTDLMLVK					Mascot
1788.8302	1788.7198	-0.1104	-62	215	229	IHTGKRPTCQQCEK			Carbamidomethyl (C)[8]		Mascot
1821.8846	1821.8564	-0.0282	-15	271	285	VHTREKPHICEQCGK			Carbamidomethyl (C)[10]		Mascot
1902.8732	1902.8788	0.0056	3	215	229	IHTGKRPTCQQCEK			Carbamidomethyl (C)[8,10,13]		Mascot
2104.9109	2104.9424	0.0315	15	220	235	RPCTCQQCEKSFYNAR			Carbamidomethyl (C)[3,5,8]		Mascot
2193.9111	2194.0215	0.1104	50	351	369	NHMDGHTGTIVFTCDQC GK			Carbamidomethyl (C)[14,17], Oxidation (M)[3]		Mascot
2211.105	2211.0327	-0.0723	-33	243	262	THTGERPFSCILGKSFS LK					Mascot
2284.0486	2284.0986	0.05	22	187	206	VHTGEKPYTCEQCGKSF GQK			Carbamidomethyl (C)[10]		Mascot

44	A disintegrin and metalloproteinase with thrombospondin motifs 10 [Danio rerio] gi 181332992 123459.3 7.72 15 29 0																
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.3868	856.4965	0.1097	128	315	321	SLDSFCK			Carbamidomethyl (C)[6]		Mascot
868.4345	868.5223	0.0878	101	590	596	YCLGERK					Mascot
996.4389	996.5625	0.1236	124	255	262	MMVSYHGR			Oxidation (M)[1]		Mascot
996.4389	996.5625	0.1236	124	255	262	MMVSYHGR			Oxidation (M)[1]		Mascot
1195.4475	1195.5336	0.0861	72	1099	1108	QMCCKTCQGH			Carbamidomethyl (C)[3]		Mascot
1256.627	1256.6152	-0.0118	-9	755	765	SKGDQYFINGK					Mascot
1664.6753	1664.8435	0.1682	101	497	509	YGEVCSELWCMSK			Carbamidomethyl (C)[5,10], Oxidation (M)[11]		Mascot
1664.6753	1664.8435	0.1682	101	497	509	YGEVCSELWCMSK			Carbamidomethyl (C)[5,10], Oxidation (M)[11]		Mascot

1695.7795	1695.7665	-0.013	-8	860	873	QADLSVVYNHFCDK	Carbamidomethyl (C)[12]	Mascot
1766.853	1766.7407	-0.1123	-64	860	874	QADLSVVYNHFCDKK		Mascot
1766.853	1766.7407	-0.1123	-64	859	873	KQADLSVVYNHFCDK		Mascot
1975.8458	1975.8392	-0.0066	-3	497	512	YGEVCSSELWCMSKGNR	Carbamidomethyl (C)[5,10]	Mascot
2088.9702	2088.949	-0.0212	-10	578	595	HCDSPRPTVGKCYCLGE R	Carbamidomethyl (C)[2,14]	Mascot
2280.1086	2280.1023	-0.0063	-3	424	443	LMAAHITMKTNPFWWSA CSR	Oxidation (M)[2]	Mascot
2299.0403	2299.1062	0.0659	29	7	29	SLACVGIMAMVASGGAE SWSDEK		Mascot
2300.3013	2300.0991	-0.2022	-88	735	754	GSVFIHIQELNISLNYLVL K		Mascot
2353.125	2353.0391	-0.0859	-37	424	443	LMAAHITMKTNPFWWSA CSR	Carbamidomethyl (C)[18], Oxidation (M)[2,8]	Mascot
3150.4077	3150.3574	-0.0503	-16	643	670	SCSLNCLAEGYNYFYTER APAVVDGTPCR	Carbamidomethyl (C)[2,6]	Mascot

45 paxillin [Danio rerio] gi|148725733 31162.6 8.27 4 29 0 19 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1547.8032	1547.7518	-0.0514	-33	33	47	LGVQTVAKGVCGACK	19	0	Carbamidomethyl (C)[11,14]		Mascot
1547.8032	1547.7518	-0.0514	-33	33	47	LGVQTVAKGVCGACK			Carbamidomethyl (C)[11,14]		Mascot
1689.7325	1689.8737	0.1412	84	80	92	NFFERDGGPYCEK			Carbamidomethyl (C)[11]		Mascot
1689.7325	1689.8737	0.1412	84	80	92	NFFERDGGPYCEK			Carbamidomethyl (C)[11]		Mascot
1987.9867	1987.9663	-0.0204	-10	102	119	CYYCSGPILDKVVTALDK					Mascot
2225.0657	2225.0471	-0.0186	-8	217	237	GSLCSGCQKPITGRGITA MGK			Carbamidomethyl (C)[4,7]		Mascot
2225.0657	2225.0471	-0.0186	-8	217	237	GSLCSGCQKPITGRGITA MGK			Carbamidomethyl (C)[4,7]		Mascot

46 PREDICTED: UPF0577 protein KIAA1324 [Danio rerio] gi|68365156 104831.8 5.42 11 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4059	882.5364	0.1305	148	879	886	LMMTAGDK			Oxidation (M)[2]		Mascot
1165.5735	1165.7047	0.1312	113	928	938	TSDGFDSVPLK					Mascot
1174.6249	1174.6155	-0.0094	-8	753	762	LRCDPSVTVK			Carbamidomethyl (C)[3]		Mascot
1256.5398	1256.6152	0.0754	60	239	250	CVPCAANSYSNK					Mascot
1349.6241	1349.5902	-0.0339	-25	372	381	WWNKMPSNMR					Mascot
1521.7366	1521.7025	-0.0341	-22	468	481	NNMVVESWSGTIGK					Mascot
1766.7948	1766.7407	-0.0541	-31	582	597	EACIPCGPNTYSNKGR			Carbamidomethyl (C)[3]		Mascot
1766.7948	1766.7407	-0.0541	-31	582	597	EACIPCGPNTYSNKGR	4	0	Carbamidomethyl (C)[3]		Mascot

	1821.8041	1821.8564	0.0523	29	596	611	GRSACMSDCTLALDHK		Carbamidomethyl (C)[5,9]	Mascot
	2050.8447	2050.8474	0.0027	1	2	18	SSDYHFEYTD CDVLGSR		Carbamidomethyl (C)[11]	Mascot
	2283.0498	2283.1052	0.0554	24	490	509	TNSTVSFSWGFQRTGAF DMK		Oxidation (M)[19]	Mascot
	2283.0498	2283.1052	0.0554	24	490	509	TNSTVSFSWGFQRTGAF DMK		Oxidation (M)[19]	Mascot
	2496.9919	2497.1646	0.1727	69	239	262	CVPCAANSYSNKGATAC QTCDDMK		Oxidation (M)[22]	Mascot
	2496.9919	2497.1646	0.1727	69	239	262	CVPCAANSYSNKGATAC QTCDDMK		Oxidation (M)[22]	Mascot
47	eukaryotic translation initiation factor 4E type 2 [Danio rerio]				gi 41152155	26684.2	7.07	6	29	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.5515	856.4965	-0.055	-64	129	134	WIIRLR					Mascot
1062.5037	1062.6549	0.1512	142	1	8	MNQFEHLK			Oxidation (M)[1]		Mascot
1547.8138	1547.7518	-0.062	-40	197	209	VLNLPPNTIMEYK			Oxidation (M)[10]		Mascot
1547.8138	1547.7518	-0.062	-40	197	209	VLNLPPNTIMEYK			Oxidation (M)[10]		Mascot
1902.9014	1902.8788	-0.0226	-12	112	128	EGIKPMWEDEANKNGGK					Mascot
2224.7988	2225.0471	0.2483	112	9	26	EEDCGDHEEMKDNNES DR			Carbamidomethyl (C)[4], Oxidation (M)[10]		Mascot
2224.7988	2225.0471	0.2483	112	9	26	EEDCGDHEEMKDNNES DR			Carbamidomethyl (C)[4], Oxidation (M)[10]		Mascot
2405.9795	2406.1626	0.1831	76	1	19	MNQFEHLKEEDCGDHEE MK			Carbamidomethyl (C)[12]		Mascot

48	Zgc:55605 protein [Danio rerio]					gi 42542454	47323.9	5.53	1	21	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1234.6426	1234.6379	-0.0047	-4	352	362	KEIFPAATDSR	21	0		4	Mascot

49	glial fibrillary acidic protein [Danio rerio]					gi 20977259	42127.5	5.03	1	20	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1750.835	1750.7469	-0.0881	-50	259	272	LEDEIQMLKEEMAR	20	0	Oxidation (M)[7]	2	Mascot
1766.83	1766.7407	-0.0893	-51	259	272	LEDEIQMLKEEMAR	16	0	Oxidation (M)[7,12]	2	Mascot

50	paxillin [Danio rerio]					gi 42415525	58983.6	6.27	1	19	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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				Seq.	Seq.	Score					
1547.8032	1547.7518	-0.0514	-33	290	304	LGVQTVAKGVCGACK	19	0	Carbamidomethyl (C)[11,14]		2 Mascot

Gel Idx/Pos	234/J10	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	guanine nucleotide-binding protein subunit beta-2-like 1 [Danio rerio]	gi 18859301	35100.5	7.6	22	1,200	100	991	100

Peptide Information										Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification		
807.4433	807.3908	-0.0525	-65	39	44	TIIMWK			Oxidation (M)[4]		Mascot
844.4787	844.4626	-0.0161	-19	100	106	RFVGHTK	5	0			Mascot
844.4787	844.4626	-0.0161	-19	100	106	RFVGHTK					Mascot
857.509	857.4856	-0.0234	-27	265	271	IIVDELRL					Mascot
857.509	857.4856	-0.0234	-27	265	271	IIVDELRL	39	96.641			Mascot
860.4512	860.4272	-0.024	-28	258	264	IWDLEGK					Mascot
1004.4981	1004.4677	-0.0304	-30	176	183	VWNLANCK			Carbamidomethyl (C)[7]		Mascot
1034.5703	1034.527	-0.0433	-42	37	44	DKTIIMWK					Mascot
1050.5652	1050.53	-0.0352	-34	37	44	DKTIIMWK			Oxidation (M)[6]		Mascot
1059.5946	1059.5621	-0.0325	-31	309	317	VWQVTIGTR	76	100			Mascot
1059.5946	1059.5621	-0.0325	-31	309	317	VWQVTIGTR					Mascot
1090.5714	1090.5328	-0.0386	-35	131	139	LWNTLGVCCK			Carbamidomethyl (C)[8]		Mascot
1192.5593	1192.5251	-0.0342	-29	48	57	DETNYGIPQR					Mascot
1192.5593	1192.5251	-0.0342	-29	48	57	DETNYGIPQR	75	100			Mascot
1264.6532	1264.6165	-0.0367	-29	89	99	LWDLTTGTTTR					Mascot
1264.6532	1264.6165	-0.0367	-29	89	99	LWDLTTGTTTR	89	100			Mascot
1293.6433	1293.6056	-0.0377	-29	107	118	DVLSVAFSADNR					Mascot
1293.6433	1293.6056	-0.0377	-29	107	118	DVLSVAFSADNR	111	100			Mascot
1366.6824	1366.6393	-0.0431	-32	246	257	YWLCAATGPSIK			Carbamidomethyl (C)[4]		Mascot
1492.6737	1492.626	-0.0477	-32	213	225	DGQAMLWDLNEGK			Oxidation (M)[5]		Mascot
1562.7921	1562.743	-0.0491	-31	45	57	LTRDETNYGIPQR					Mascot
1858.0281	1857.9689	-0.0592	-32	265	280	IIVDELQRQDIITNSK	87	100			Mascot
1858.0281	1857.9689	-0.0592	-32	265	280	IIVDELQRQDIITNSK					Mascot
1907.8956	1907.8336	-0.062	-32	156	172	FSPNSSNPIIVSCGWDK			Carbamidomethyl (C)[13]		Mascot

1995.8865	1995.8215	-0.065	-33	140	155	YTIQDDSHTEWVSCVR					Carbamidomethyl (C)[14]	Mascot
1995.8865	1995.8215	-0.065	-33	140	155	YTIQDDSHTEWVSCVR	136	100			Carbamidomethyl (C)[14]	Mascot
2225.073	2225.0466	-0.0264	-12	156	175	FSPNSSNPIIVSCGWDKM VK					Oxidation (M)[18]	Mascot
2264.0764	2264.0029	-0.0735	-32	226	245	HLTYLDGGDTINALCFSP NR	171	100			Carbamidomethyl (C)[15]	Mascot
2264.0764	2264.0029	-0.0735	-32	226	245	HLTYLDGGDTINALCFSP NR					Carbamidomethyl (C)[15]	Mascot
2600.2925	2600.2058	-0.0867	-33	13	36	GHSGWVTQIATTPQFPD MILSASR						Mascot
2616.2876	2616.2104	-0.0772	-30	13	36	GHSGWVTQIATTPQFPD MILSASR					Oxidation (M)[18]	Mascot
2743.3103	2743.2261	-0.0842	-31	186	212	TNHIGHTGYLNTVTVSPD GSLCASGK					Carbamidomethyl (C)[22]	Mascot
3082.4575	3082.3618	-0.0957	-31	281	308	AEPQCTSLAWSADGQT LFAGYTDNLIR					Carbamidomethyl (C)[6]	Mascot
3082.4575	3082.3618	-0.0957	-31	281	308	AEPQCTSLAWSADGQT LFAGYTDNLIR	207	100			Carbamidomethyl (C)[6]	Mascot

2 Guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1 [Danio rerio] gi|152013098 35128.5 7.6 21 1,190 100 991 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4433	807.3908	-0.0525	-65	39	44	TIIMWK			Oxidation (M)[4]		Mascot
844.4787	844.4626	-0.0161	-19	100	106	RFVGHTK	5	0			Mascot
844.4787	844.4626	-0.0161	-19	100	106	RFVGHTK					Mascot
857.509	857.4856	-0.0234	-27	265	271	IIVDELRL					Mascot
857.509	857.4856	-0.0234	-27	265	271	IIVDELRL	39	96.641			Mascot
860.4512	860.4272	-0.024	-28	258	264	IWDLEK					Mascot
1004.4981	1004.4677	-0.0304	-30	176	183	VWNLANCK			Carbamidomethyl (C)[7]		Mascot
1034.5703	1034.527	-0.0433	-42	37	44	DKTIIMWK					Mascot
1050.5652	1050.53	-0.0352	-34	37	44	DKTIIMWK			Oxidation (M)[6]		Mascot
1059.5946	1059.5621	-0.0325	-31	309	317	VWQVTIGTR	76	100			Mascot
1059.5946	1059.5621	-0.0325	-31	309	317	VWQVTIGTR					Mascot
1090.5714	1090.5328	-0.0386	-35	131	139	LWNTLGVCCK			Carbamidomethyl (C)[8]		Mascot
1192.5593	1192.5251	-0.0342	-29	48	57	DETNYGIPQR					Mascot
1192.5593	1192.5251	-0.0342	-29	48	57	DETNYGIPQR	75	100			Mascot
1264.6532	1264.6165	-0.0367	-29	89	99	LWDLTTGTTTR					Mascot
1264.6532	1264.6165	-0.0367	-29	89	99	LWDLTTGTTTR	89	100			Mascot
1293.6433	1293.6056	-0.0377	-29	107	118	DVLSVAFSADNR					Mascot
1293.6433	1293.6056	-0.0377	-29	107	118	DVLSVAFSADNR	111	100			Mascot
1492.6737	1492.626	-0.0477	-32	213	225	DGQAMLWDLNEGK			Oxidation (M)[5]		Mascot

		1562.7921	1562.743	-0.0491	-31	45	57	LTRDETNYGIPQR										Mascot
		1858.0281	1857.9689	-0.0592	-32	265	280	IIVDELQRQDIITNSK	87	100								Mascot
		1858.0281	1857.9689	-0.0592	-32	265	280	IIVDELQRQDIITNSK										Mascot
		1907.8956	1907.8336	-0.062	-32	156	172	FSPNSSNPIIVSCGWDK			Carbamidomethyl (C)[13]							Mascot
		1995.8865	1995.8215	-0.065	-33	140	155	YTIQDDSHTEWVSCVR			Carbamidomethyl (C)[14]							Mascot
		1995.8865	1995.8215	-0.065	-33	140	155	YTIQDDSHTEWVSCVR	136	100	Carbamidomethyl (C)[14]							Mascot
		2225.073	2225.0466	-0.0264	-12	156	175	FSPNSSNPIIVSCGWDKM VK			Oxidation (M)[18]							Mascot
		2264.0764	2264.0029	-0.0735	-32	226	245	HLTYLDGGDTINALCFSP NR	171	100	Carbamidomethyl (C)[15]							Mascot
		2264.0764	2264.0029	-0.0735	-32	226	245	HLTYLDGGDTINALCFSP NR			Carbamidomethyl (C)[15]							Mascot
		2600.2925	2600.2058	-0.0867	-33	13	36	GHSGWVTQIATTPQFPD MILSASR										Mascot
		2616.2876	2616.2104	-0.0772	-30	13	36	GHSGWVTQIATTPQFPD MILSASR			Oxidation (M)[18]							Mascot
		2743.3103	2743.2261	-0.0842	-31	186	212	TNHIGHTGYLNTVTVSPD GSLCASGGK			Carbamidomethyl (C)[22]							Mascot
		3082.4575	3082.3618	-0.0957	-31	281	308	AEPQCTSLAWSADGQT LFAGYTDNLIR			Carbamidomethyl (C)[6]							Mascot
		3082.4575	3082.3618	-0.0957	-31	281	308	AEPQCTSLAWSADGQT LFAGYTDNLIR	207	100	Carbamidomethyl (C)[6]							Mascot
3	tektin 2 (testicular) [Danio rerio]							gi 94733681	48602.7	5.71	11	64	98.057	14	0			
Peptide Information																		
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type			
		1004.4764	1004.4677	-0.0087	-9	324	331	RPGMDLCR				Carbamidomethyl (C)[7]			Mascot			
		1045.5789	1045.5333	-0.0456	-44	68	75	INDITRWK							Mascot			
		1059.543	1059.5621	0.0191	18	381	389	QDALSLEQR	14	0					Mascot			
		1059.543	1059.5621	0.0191	18	381	389	QDALSLEQR							Mascot			
		1234.6096	1234.6414	0.0318	26	231	240	EEMQVSVQIR				Oxidation (M)[3]			Mascot			
		1323.7379	1323.6307	-0.1072	-81	356	367	LAQAQHSLSLQSLK							Mascot			
		1445.7529	1445.7333	-0.0196	-14	229	240	AREEMQVSVQIR							Mascot			
		1857.8878	1857.9689	0.0811	44	208	223	VPPGSTNPQQWEQFSR							Mascot			
		1857.8878	1857.9689	0.0811	44	208	223	VPPGSTNPQQWEQFSR							Mascot			
		1907.9102	1907.8336	-0.0766	-40	150	164	VLQQCIDQAFEQLCR				Carbamidomethyl (C)[5,14]			Mascot			
		2211.0261	2211.0356	0.0095	4	268	284	RTHHEEQAHHDMQWQL K							Mascot			
		2283.1365	2283.1045	-0.032	-14	2	22	ATLSSKPASRYSVSDWA TNNK							Mascot			
		2600.116	2600.2058	0.0898	35	80	101	ACAAQEVDEEMDALTLK EEMER				Carbamidomethyl (C)[2], Oxidation (M)[10]			Mascot			
		2616.1108	2616.2104	0.0996	38	80	101	ACAAQEVDEEMDALTLK EEMER				Carbamidomethyl (C)[2], Oxidation (M)[10,20]			Mascot			
4	novel protein [Danio rerio]							gi 169146661	90814.1	9.64	14	63	97.554	32	81.41			

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
857.4363	857.4856	0.0493	57	648	654	EPVDELRL				Mascot
857.4363	857.4856	0.0493	57	648	654	EPVDELRL	32	81.41		Mascot
860.4584	860.4272	-0.0312	-36	333	339	SDINQQRK				Mascot
922.5257	922.4028	-0.1229	-133	742	748	FFTPVRR				Mascot
996.4719	996.5638	0.0919	92	619	625	YWICQAR			Carbamidomethyl (C)[4]	Mascot
1045.5272	1045.5333	0.0061	6	665	674	QSQQGSPVSK				Mascot
1091.6207	1091.5417	-0.079	-72	67	76	LAEYLAAKGR				Mascot
1165.6073	1165.71	0.1027	88	351	360	IQSHNPVTNR				Mascot
1277.634	1277.6686	0.0346	27	605	615	DVMSRVPMQAK			Oxidation (M)[3]	Mascot
1293.6289	1293.6056	-0.0233	-18	605	615	DVMSRVPMQAK			Oxidation (M)[3,8]	Mascot
1293.6289	1293.6056	-0.0233	-18	605	615	DVMSRVPMQAK			Oxidation (M)[3,8]	Mascot
1366.6705	1366.6393	-0.0312	-23	413	424	DISCITMKVDGK			Carbamidomethyl (C)[4]	Mascot
1492.7325	1492.626	-0.1065	-71	157	169	LCNTQQANFNALR				Mascot
1638.9034	1638.8063	-0.0971	-59	364	378	TSVSNVQAKPAQRPR				Mascot
1707.8044	1707.7192	-0.0852	-50	726	741	SQQGAEPGQVDGHEIR				Mascot
2264.1589	2264.0029	-0.156	-69	626	644	LMEREGNLEVLSLFEEAIR			Oxidation (M)[2]	Mascot
2264.1589	2264.0029	-0.156	-69	626	644	LMEREGNLEVLSLFEEAIR			Oxidation (M)[2]	Mascot
2384.1697	2383.8777	-0.292	-122	467	486	SCVLPQTTSEHKELQQPVMR			Carbamidomethyl (C)[2], Oxidation (M)[19]	Mascot
5	cytoskeleton associated protein 2-like [Danio rerio]			gi 187607996		86172.8	9.71	11	55 85.264	32 81.41

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
857.4363	857.4856	0.0493	57	605	611	EPVDELRL				Mascot
857.4363	857.4856	0.0493	57	605	611	EPVDELRL	32	81.41		Mascot
922.5257	922.4028	-0.1229	-133	699	705	FFTPVRR				Mascot
996.4719	996.5638	0.0919	92	576	582	YWICQAR			Carbamidomethyl (C)[4]	Mascot
1045.5272	1045.5333	0.0061	6	622	631	QSQQGSPVSK				Mascot
1091.6207	1091.5417	-0.079	-72	24	33	LAEYLAAKGR				Mascot
1165.6073	1165.71	0.1027	88	308	317	IQSHNPVTNR				Mascot
1277.634	1277.6686	0.0346	27	562	572	DVMSRVPMQAK			Oxidation (M)[3]	Mascot
1293.6289	1293.6056	-0.0233	-18	562	572	DVMSRVPMQAK			Oxidation (M)[3,8]	Mascot
1293.6289	1293.6056	-0.0233	-18	562	572	DVMSRVPMQAK			Oxidation (M)[3,8]	Mascot

1492.7325	1492.626	-0.1065	-71	114	126	LCNTQQANFNALR							Mascot
1638.9034	1638.8063	-0.0971	-59	321	335	TSVSNVQAKPAQRPR							Mascot
1707.8044	1707.7192	-0.0852	-50	683	698	SQQGAEPGQVDGHEIR							Mascot
2264.1589	2264.0029	-0.156	-69	583	601	LMEREGNLEVLSELFEEAI R					Oxidation (M)[2]		Mascot
2264.1589	2264.0029	-0.156	-69	583	601	LMEREGNLEVLSELFEEAI R					Oxidation (M)[2]		Mascot

6 tektin 2 [Danio rerio] gi|310689065 48533.7 5.63 9 47 9.141 14 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1004.4764	1004.4677	-0.0087	-9	324	331	RPGMDLCR			Carbamidomethyl (C)[7]		Mascot
1045.5789	1045.5333	-0.0456	-44	68	75	INDITRWK					Mascot
1059.543	1059.5621	0.0191	18	381	389	QDALSLEQR	14	0			Mascot
1059.543	1059.5621	0.0191	18	381	389	QDALSLEQR					Mascot
1323.7379	1323.6307	-0.1072	-81	356	367	LAQAQHSLSLQSLK					Mascot
1857.8878	1857.9689	0.0811	44	208	223	VPPGSTNPQQWEQFSR					Mascot
1857.8878	1857.9689	0.0811	44	208	223	VPPGSTNPQQWEQFSR					Mascot
1907.9102	1907.8336	-0.0766	-40	150	164	VLQQCIDQAFEQLCR			Carbamidomethyl (C)[5,14]		Mascot
2211.0261	2211.0356	0.0095	4	268	284	RTHHEEQAHHDMQWQL K					Mascot
2283.1365	2283.1045	-0.032	-14	2	22	ATLSSKPASRYSVSDWA TNNK					Mascot
2600.116	2600.2058	0.0898	35	80	101	ACAQEVDEEMDALTLSEMER			Carbamidomethyl (C)[2], Oxidation (M)[10]		Mascot
2616.1108	2616.2104	0.0996	38	80	101	ACAQEVDEEMDALTLSEMER			Carbamidomethyl (C)[2], Oxidation (M)[10,20]		Mascot

7 beclin-1 [Danio rerio] gi|41152315 51377 4.85 11 47 7.024

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.3987	856.4998	0.1011	118	356	361	FFWDNK					Mascot
870.396	870.5138	0.1178	135	318	324	MGLCFQR			Oxidation (M)[1]		Mascot
882.4753	882.5405	0.0652	74	428	434	FMLTNLK			Oxidation (M)[2]		Mascot
1179.6005	1179.5668	-0.0337	-29	26	35	LDTSFNVLDLR					Mascot
1264.6354	1264.6165	-0.0189	-15	345	355	ELPLYCSGGLR			Carbamidomethyl (C)[6]		Mascot
1264.6354	1264.6165	-0.0189	-15	345	355	ELPLYCSGGLR			Carbamidomethyl (C)[6]		Mascot
1308.698	1308.6179	-0.0801	-61	253	262	YCQIQLDKLK			Carbamidomethyl (C)[2]		Mascot
1840.868	1840.903	0.035	19	246	260	SVDNQMRYYCQIQLDK					Mascot
1857.8323	1857.9689	0.1366	74	378	392	EEVEKDDTGFCPLPYR			Carbamidomethyl (C)[11]		Mascot

	1857.8323	1857.9689	0.1366	74	378	392	EEVEKDDTGFCCLPYR						Carbamidomethyl (C)[11]	Mascot
	1904.9335	1904.8184	-0.1151	-60	186	201	QEEESLIQELESIE TK							Mascot
	1907.8916	1907.8336	-0.058	-30	214	228	NHSQLMDTEELRYQK						Oxidation (M)[6]	Mascot
	2264.062	2264.0029	-0.0591	-26	1	19	METLRFSSNTMQVSFVC QR							Mascot
	2264.062	2264.0029	-0.0591	-26	1	19	METLRFSSNTMQVSFVC QR							Mascot
8	PMS1 postmeiotic segregation increased 1 (S. cerevisiae) [Danio rerio]				gi 169145696		98750.5	6.46	14	44	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	856.4384	856.4998	0.0614	72	201	207 SRVSDHR					Mascot
	860.4724	860.4272	-0.0452	-53	366	373 TSPDISLK					Mascot
	882.5043	882.5405	0.0362	41	3	10 ALPPETVR					Mascot
	1045.575	1045.5333	-0.0417	-40	848	856 ADVTNTLRR					Mascot
	1059.5217	1059.5621	0.0404	38	156	163 RQYYSNTK					Mascot
	1059.5217	1059.5621	0.0404	38	156	163 RQYYSNTK					Mascot
	1091.515	1091.5417	0.0267	24	775	784 MISGPQSSER					Mascot
	1147.6656	1147.5879	-0.0777	-68	696	704 KLMLLNPFRR			Oxidation (M)[3]		Mascot
	1179.6368	1179.5668	-0.07	-59	515	524 LTAYELISNR					Mascot
	1707.8582	1707.7192	-0.139	-81	56	72 DNGSGIKATDVSVMAVK			Oxidation (M)[14]		Mascot
	1858.0619	1857.9689	-0.093	-50	172	187 VQNLLMAYAVIKPELR					Mascot
	1858.0619	1857.9689	-0.093	-50	172	187 VQNLLMAYAVIKPELR					Mascot
	1908.0385	1907.8336	-0.2049	-107	679	695 LVNRLASHGAWVVLGGR			Carbamidomethyl (C)[15]		Mascot
	2225.001	2225.0466	0.0456	20	785	804 HVEVMGMADCMPPFGIG DLR					Mascot
	2284.2336	2284.1013	-0.1323	-58	464	483 AFSNQITGEYLEPVKLHIP K					Mascot
	2600.2622	2600.2058	-0.0564	-22	294	316 YPTFMMNITIPASTVDVNL TPDK			Oxidation (M)[5,6]		Mascot

9	PREDICTED: UHRF1-binding protein 1 [Danio rerio]				gi 326678910		147432.6	5.48	17	44	0			
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	857.4474	857.4856	0.0382	45	1182	1190 LESGPAAGR					Mascot
	857.4474	857.4856	0.0382	45	1182	1190 LESGPAAGR					Mascot
	882.4501	882.5405	0.0904	102	797	803 MKDYLGRR					Mascot
	906.4349	906.4094	-0.0255	-28	226	233 DCNVLASK			Carbamidomethyl (C)[2]		Mascot

	1045.5425	1045.5333	-0.0092	-9	182	189	EINWQSLR									Mascot
	1059.5681	1059.5621	-0.006	-6	1314	1323	LADVQSALDK									Mascot
	1059.5681	1059.5621	-0.006	-6	1314	1323	LADVQSALDK									Mascot
	1091.5956	1091.5417	-0.0539	-49	691	700	VTLGFDGARR									Mascot
	1264.5222	1264.6165	0.0943	75	1294	1304	ENADQSCLGDR				Carbamidomethyl (C)[7]					Mascot
	1264.5222	1264.6165	0.0943	75	1294	1304	ENADQSCLGDR				Carbamidomethyl (C)[7]					Mascot
	1434.8025	1434.7239	-0.0786	-55	75	86	LKTSPICFLDK				Carbamidomethyl (C)[7]					Mascot
	1492.6445	1492.626	-0.0185	-12	1294	1306	ENADQSCLGDRER									Mascot
	1493.6722	1493.6652	-0.007	-5	87	98	VEVEMRTCEEPR				Oxidation (M)[5]					Mascot
	1562.7656	1562.743	-0.0226	-14	804	817	LAEDLTRDSQAESK									Mascot
	1936.9871	1936.8516	-0.1355	-70	77	92	TSPICFLDKVEVEMR				Carbamidomethyl (C)[5]					Mascot
	1996.0295	1995.8215	-0.208	-104	784	798	MWLNHYQFIALLRMK				Oxidation (M)[1,14]					Mascot
	1996.0295	1995.8215	-0.208	-104	784	798	MWLNHYQFIALLRMK				Oxidation (M)[1,14]					Mascot
	2172.8928	2172.9922	0.0994	46	1191	1209	HCAQSESLGFMEVCVSG CR				Carbamidomethyl (C)[2,14], Oxidation (M)[11]					Mascot
	2284.0662	2284.1013	0.0351	15	738	757	SPSRFSQEFSCAPNDLIS NK				Carbamidomethyl (C)[11]					Mascot
	2384.1729	2383.8777	-0.2952	-124	932	954	HSSTFSIEGDFSSALNAT KGVTK									Mascot
	2600.2021	2600.2058	0.0037	1	706	727	TLPFVEPFMSMLWMCHP DAFTK				Oxidation (M)[10]					Mascot
	2616.197	2616.2104	0.0134	5	706	727	TLPFVEPFMSMLWMCHP DAFTK				Oxidation (M)[10,14]					Mascot
10	tektin 2 (testicular) [Danio rerio]				gi 94733680		32364.6	6.09	7	43	0	14	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1004.4764	1004.4677	-0.0087	-9	183	190	RPGMDLCR			Carbamidomethyl (C)[7]		Mascot	
1059.543	1059.5621	0.0191	18	240	248	QDALSLEQR	14	0			Mascot	
1059.543	1059.5621	0.0191	18	240	248	QDALSLEQR					Mascot	
1234.6096	1234.6414	0.0318	26	90	99	EEMQVSVQIR			Oxidation (M)[3]		Mascot	
1323.7379	1323.6307	-0.1072	-81	215	226	LAQAQHSLQSLK					Mascot	
1445.7529	1445.7333	-0.0196	-14	88	99	AREEMQVSVQIR					Mascot	
1857.8878	1857.9689	0.0811	44	67	82	VPPGSTNPQQWEQFSR					Mascot	
1857.8878	1857.9689	0.0811	44	67	82	VPPGSTNPQQWEQFSR					Mascot	
2211.0261	2211.0356	0.0095	4	127	143	RTHHEEQAHHDMQWQL K					Mascot	

11 transmembrane protein 126A [Danio rerio] gi|41387164 21901.5 9.86 7 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
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	844.4523	844.4626	0.0103	12	28	34	LPESDRK										Mascot
	844.4523	844.4626	0.0103	12	28	34	LPESDRK										Mascot
	860.491	860.4272	-0.0638	-74	17	23	IIEMLNK										Mascot
	1004.5808	1004.4677	-0.1131	-113	17	24	IIEMLNKK					Oxidation (M)[4]					Mascot
	1147.6326	1147.5879	-0.0447	-39	15	23	MRIIEMLNK										Mascot
	1179.6224	1179.5668	-0.0556	-47	15	23	MRIIEMLNK					Oxidation (M)[1,6]					Mascot
	1192.4786	1192.5251	0.0465	39	191	201	MPDSDSEQLNG										Mascot
	1192.4786	1192.5251	0.0465	39	191	201	MPDSDSEQLNG										Mascot
	1308.6324	1308.6179	-0.0145	-11	5	16	DASQGLTSSRM										Mascot
	1592.7043	1592.8003	0.096	60	188	201	MLRMPDSDSEQLNG										Mascot
12	tektin 2 [Danio rerio]						gi 37682089	48740.9	5.63	8	41	0	14	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1004.4764	1004.4677	-0.0087	-9	327	334	RPGMDLCR			Carbamidomethyl (C)[7]		Mascot
1045.5789	1045.5333	-0.0456	-44	68	75	INDITRWK					Mascot
1059.543	1059.5621	0.0191	18	384	392	QDALSLEQR	14	0			Mascot
1059.543	1059.5621	0.0191	18	384	392	QDALSLEQR					Mascot
1323.7379	1323.6307	-0.1072	-81	359	370	LAQAQHSLQSLK					Mascot
1857.8878	1857.9689	0.0811	44	211	226	VPPGSTNPQQWEQFSR					Mascot
1857.8878	1857.9689	0.0811	44	211	226	VPPGSTNPQQWEQFSR					Mascot
2211.0261	2211.0356	0.0095	4	271	287	RTHHEEQAHHDMQWQLK					Mascot
2283.1365	2283.1045	-0.032	-14	2	22	ATLSSKPASRYSVSDWATNNK					Mascot
2600.116	2600.2058	0.0898	35	80	101	ACAEQVDEEMDALTSKEEMER			Carbamidomethyl (C)[2], Oxidation (M)[10]		Mascot
2616.1108	2616.2104	0.0996	38	80	101	ACAEQVDEEMDALTSKEEMER			Carbamidomethyl (C)[2], Oxidation (M)[10,20]		Mascot

13 Zgc:171352 protein [Danio rerio] gi|63102022 61141.1 5.44 12 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1050.4819	1050.53	0.0481	46	123	132	VKCGNGDCVR					Mascot
1090.5424	1090.5328	-0.0096	-9	102	111	CICPPPYIGK					Mascot
1147.5638	1147.5879	0.0241	21	102	111	CICPPPYIGK			Carbamidomethyl (C)[1]		Mascot
1165.571	1165.71	0.139	119	252	260	EPWCFVKEK					Mascot

	1179.5245	1179.5668	0.0423	36	113	121	CQNEKNVCK		Carbamidomethyl (C)[1,8]	Mascot	
	1493.8046	1493.6652	-0.1394	-93	296	309	AAFSMIAPRIFGGR			Mascot	
	1562.7056	1562.743	0.0374	24	246	258	NPDGDREPWC FVK			Mascot	
	1592.7042	1592.8003	0.0961	60	491	505	IDSCQGDSGGPLVCK		Carbamidomethyl (C)[4,14]	Mascot	
	1593.6309	1593.7911	0.1602	101	176	189	ASFTCTCPEDYSGR		Carbamidomethyl (C)[5]	Mascot	
	1840.7555	1840.903	0.1475	80	231	245	EFEGNESIGEHN YCR		Carbamidomethyl (C)[14]	Mascot	
	1907.801	1907.8336	0.0326	17	174	189	TRASFTCTCPEDYSGR		Carbamidomethyl (C)[7,9]	Mascot	
	2210.9487	2211.0356	0.0869	39	154	173	NAYACNPSPCQNGGTCV KGR		Carbamidomethyl (C)[5,10,16]	Mascot	
	2600.0598	2600.2058	0.146	56	176	198	ASFTCTCPEDYSGRFCQ VGSNDR		Carbamidomethyl (C)[5]	Mascot	
14	LOC559236 protein [Danio rerio]				gi 141796908		49941.7	8.76	10	38	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.4141	807.3908	-0.0233	-29	314	320	KVASSCR			Carbamidomethyl (C)[6]		Mascot
877.4261	877.428	0.0019	2	21	28	SEINSAEK					Mascot
1090.5674	1090.5328	-0.0346	-32	315	324	VASSCRSVPK			Carbamidomethyl (C)[5]		Mascot
1165.5419	1165.71	0.1681	144	382	390	CTNQTREWK					Mascot
1234.6283	1234.6414	0.0131	11	321	331	SVPKTCALMER					Mascot
1366.6902	1366.6393	-0.0509	-37	205	215	FYFHLGDALQR					Mascot
1434.7739	1434.7239	-0.05	-35	170	181	VHYGFILKSENK					Mascot
1743.7863	1743.8573	0.071	41	325	339	TCALMERFPETTGCK			Carbamidomethyl (C)[2]		Mascot
1840.7885	1840.903	0.1145	62	216	231	VGDSAYDWYEAGHQR					Mascot
1993.9655	1993.8893	-0.0762	-38	250	266	AQPWWTAEQTGYTDLVK					Mascot

15 novel protein similar to vertebrate breast cancer anti-estrogen resistance 3 (BCAR3) [Danio rerio]

gi|169158144 84068.2 8.52 13 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
857.4264	857.4856	0.0592	69	103	109	NSPQHFK					Mascot
857.4264	857.4856	0.0592	69	103	109	NSPQHFK					Mascot
882.5083	882.5405	0.0322	36	607	613	SLKPFYK					Mascot
1004.537	1004.4677	-0.0693	-69	388	396	TDGSIKLDR					Mascot
1045.5524	1045.5333	-0.0191	-18	45	52	RELEELK					Mascot
1051.5895	1051.6798	0.0903	86	22	31	SSVIGAKFSR					Mascot
1320.6616	1320.5439	-0.1177	-89	289	300	MAFDTLPGAIR					Mascot

	1357.7362	1357.675	-0.0612	-45	596	606	KYTQTAIIEK							Mascot
	1366.6597	1366.6393	-0.0204	-15	714	725	GAAVEQTERYDK							Mascot
	1445.8032	1445.7333	-0.0699	-48	452	463	ENKPLEMTVLKK				Oxidation (M)[7]			Mascot
	1475.7021	1475.7086	0.0065	4	10	21	TITAALCCFYQK				Carbamidomethyl (C)[7,8]			Mascot
	1492.7577	1492.626	-0.1317	-88	288	300	RMAFDTLPGEAIR				Oxidation (M)[2]			Mascot
	1638.8268	1638.8063	-0.0205	-13	374	387	MNSLQANGYVERLK				Oxidation (M)[1]			Mascot
	3082.5659	3082.3618	-0.2041	-66	520	547	LDLIERHNTMAIGVAVDIL GCTGSLEER				Carbamidomethyl (C)[21]			Mascot
	3082.5659	3082.3618	-0.2041	-66	520	547	LDLIERHNTMAIGVAVDIL GCTGSLEER				Carbamidomethyl (C)[21]			Mascot
16	Pbx2 [Danio rerio]				gi 7861936		18895.6	9.08	7	38	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1051.5782	1051.6798	0.1016	97	133	141	FSSIQTLK					Mascot
1179.6442	1179.5668	-0.0774	-66	1	10	ALFSVLCEIK			Carbamidomethyl (C)[7]		Mascot
1323.6395	1323.6307	-0.0088	-7	142	152	QSTCEAVMILR			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot
1366.7623	1366.6393	-0.123	-90	121	131	EIERMVALIHR					Mascot
1493.7563	1493.6652	-0.0911	-61	142	154	QSTCEAVMILRSR					Mascot
1743.9388	1743.8573	-0.0815	-47	79	92	LSQIRNIYHTELEK					Mascot
2283.1836	2283.1045	-0.0791	-35	133	152	FSSIQTLKQSTCEAVMI LR					Mascot

17 novel protein similar to vertebrate NADPH oxidase activator 1 (NOXA1, zgc:110089) [Danio rerio] gi|148726410 30727.9 8.1 8 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
860.4512	860.4272	-0.024	-28	9	15	LWDEAVK					Mascot
877.5253	877.428	-0.0973	-111	111	117	QLGLRYK					Mascot
1050.6016	1050.53	-0.0716	-68	1	8	MLYIELIR					Mascot
1562.752	1562.743	-0.009	-6	87	99	LEEALSDCIWAQK			Carbamidomethyl (C)[8]		Mascot
1743.9347	1743.8573	-0.0774	-44	152	168	GAGRSNLIDTALEISR					Mascot
1858.0068	1857.9689	-0.0379	-20	188	203	LEV DQLKPRDFLGEAK					Mascot
1858.0068	1857.9689	-0.0379	-20	188	203	LEV DQLKPRDFLGEAK					Mascot
1908.0299	1907.8336	-0.1963	-103	1	15	MLYIELIRLWDEAVK			Oxidation (M)[1]		Mascot
2384.1487	2383.8777	-0.271	-114	249	269	GVS MFCPSALCTFVFSN YLKI			Carbamidomethyl (C)[6]		Mascot

18 NADPH oxidase activator 1 [Danio rerio] gi|71834360 30717.9 8.1 8 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
860.4512	860.4272	-0.024	-28	9	15 LWDEAVK					Mascot
877.5253	877.428	-0.0973	-111	111	117 QLGLRYK					Mascot
1050.6016	1050.53	-0.0716	-68	1	8 MLYIELIR					Mascot
1562.752	1562.743	-0.009	-6	87	99 LEEALSDCIWAQK			Carbamidomethyl (C)[8]		Mascot
1743.9347	1743.8573	-0.0774	-44	152	168 GAGRSNLIDTALEISR					Mascot
1858.0068	1857.9689	-0.0379	-20	188	203 LEVDQLKPRDFLGEAK					Mascot
1858.0068	1857.9689	-0.0379	-20	188	203 LEVDQLKPRDFLGEAK					Mascot
1908.0299	1907.8336	-0.1963	-103	1	15 MLYIELIRLWDEAVK			Oxidation (M)[1]		Mascot
2384.1487	2383.8777	-0.271	-114	249	269 GVSFMFCPSALCTVFVSN YLKI			Carbamidomethyl (C)[6]		Mascot

19 PREDICTED: guanine nucleotide-binding protein subunit beta-4-like [Danio rerio] gi|326664688 32333.8 7.55 4 37 0 23 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1264.5925	1264.6165	0.024	19	210	219 LWDIRDGMCR					Mascot
1264.5925	1264.6165	0.024	19	210	219 LWDIRDGMCR	23	0			Mascot
1492.6671	1492.626	-0.0411	-28	138	150 ELPGHTGYLSCCR			Carbamidomethyl (C)[11]		Mascot
1995.9592	1995.8215	-0.1377	-69	220	237 QSFTGHVSDINAVCVSFK			Carbamidomethyl (C)[14]		Mascot
1995.9592	1995.8215	-0.1377	-69	220	237 QSFTGHVSDINAVCVSFK			Carbamidomethyl (C)[14]		Mascot
2225.1536	2225.0466	-0.107	-48	238	256 VGSPHQCLILFIDVEGVW R			Carbamidomethyl (C)[7]		Mascot

20 lipid phosphate phosphatase-related protein type 3b [Danio rerio] gi|315468535 92766.3 7.91 13 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
842.4617	842.4856	0.0239	28	406	413 VGEEPAIK					Mascot
996.4423	996.5638	0.1215	122	793	800 CGCVTMLR			Carbamidomethyl (C)[1,3]		Mascot
1059.5768	1059.5621	-0.0147	-14	324	331 QPMTLKWR					Mascot
1059.5768	1059.5621	-0.0147	-14	324	331 QPMTLKWR					Mascot
1147.5953	1147.5879	-0.0074	-6	332	341 ILSTTNDLDR					Mascot
1234.5931	1234.6414	0.0483	39	818	827 NCLCGGLWRR			Carbamidomethyl (C)[2]		Mascot
1308.6221	1308.6179	-0.0042	-3	793	804 CGCVTMLRSPNK					Mascot

	1434.7661	1434.7239	-0.0422	-29	246	257	IDTELLPSLFMR										Mascot
	1445.8263	1445.7333	-0.093	-64	268	279	YPAVTHLKFLTR										Mascot
	1562.7719	1562.743	-0.0289	-18	815	826	WIKNCLCGGLWR						Carbamidomethyl (C)[5,7]				Mascot
	1716.8915	1716.7966	-0.0949	-55	134	149	LALHVEKSGSTNFGEK										Mascot
	1840.8721	1840.903	0.0309	17	2	15	MDIAYVCEWEKRPK						Carbamidomethyl (C)[7], Oxidation (M)[1]				Mascot
	1904.9171	1904.8184	-0.0987	-52	388	405	LSLQTVGMFYGSSGSSQ R										Mascot
	2211.0732	2211.0356	-0.0376	-17	13	31	RPKSNHCPSIPLVCAWS CR						Carbamidomethyl (C)[7]				Mascot
21	PREDICTED: alpha-2-macroglobulin-like protein 1-like [Danio rerio] gi 326674176 151677.6 7.04 14 36 0																

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5458	842.4856	-0.0602	-71	378	384	TLQKKPK					Mascot
844.5291	844.4626	-0.0665	-79	1132	1138	IVSWLVK	9	0			Mascot
844.5291	844.4626	-0.0665	-79	1132	1138	IVSWLVK					Mascot
882.577	882.5405	-0.0365	-41	1336	1343	NLKPAVIK					Mascot
922.4927	922.4028	-0.0899	-97	1000	1006	LFNNRMK					Mascot
1051.5782	1051.6798	0.1016	97	1234	1242	SNKLEFSVK					Mascot
1059.5946	1059.5621	-0.0325	-31	76	83	YTHLIEKR					Mascot
1059.5946	1059.5621	-0.0325	-31	76	83	YTHLIEKR					Mascot
1091.5844	1091.5417	-0.0427	-39	382	390	KPKQDSFNK					Mascot
1179.652	1179.5668	-0.0852	-72	455	464	GEVTFKVPFR					Mascot
1234.6533	1234.6414	-0.0119	-10	16	25	LCMSLLKPEK			Carbamidomethyl (C)[2], Oxidation (M)[3]		Mascot
1264.642	1264.6165	-0.0255	-20	744	755	VSPAPSSDYTLK					Mascot
1264.642	1264.6165	-0.0255	-20	744	755	VSPAPSSDYTLK					Mascot
1323.5852	1323.6307	0.0455	34	1344	1353	VYDYYQTSER					Mascot
1475.8217	1475.7086	-0.1131	-77	2	15	VTFPAIIRSGSEAK					Mascot
1638.8519	1638.8063	-0.0456	-28	404	418	CGVEISVTVQYTIAR					Mascot
2384.0164	2383.8777	-0.1387	-58	554	572	MLPTMTFTYDVEDQMEC LK			Carbamidomethyl (C)[17], Oxidation (M)[1,5]		Mascot

22	tumor necrosis factor receptor superfamily member 1A [Danio rerio] gi 47085979 44069.8 7.31 12 36 0																
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
906.4097	906.4094	-0.0003	0	149	155	EENRQCK					Mascot

996.4819	996.5638	0.0819	82	332	339	DAQYQMLK						Mascot
1192.5415	1192.5251	-0.0164	-14	123	132	LGDLGWECSR				Carbamidomethyl (C)[8]		Mascot
1192.5415	1192.5251	-0.0164	-14	123	132	LGDLGWECSR				Carbamidomethyl (C)[8]		Mascot
1308.6035	1308.6179	0.0144	11	56	66	LKQECSAENMR						Mascot
1320.6365	1320.5439	-0.0926	-70	122	132	KLGDLGWECSR				Carbamidomethyl (C)[9]		Mascot
1357.6239	1357.675	0.0511	38	329	339	NCKDAQYQMLK				Oxidation (M)[9]		Mascot
1366.6241	1366.6393	0.0152	11	123	134	LGDLGWECSRCK						Mascot
1562.6582	1562.743	0.0848	54	170	183	LCDKCKQPGCDHLCK						Mascot
1593.736	1593.7911	0.0551	35	135	148	KCGDGQIEIQNCTK				Carbamidomethyl (C)[2]		Mascot
1638.7152	1638.8063	0.0911	56	153	165	QCKCQENHYPFNK						Mascot
1936.8488	1936.8516	0.0028	1	136	152	CGDGQIEIQNCTKEENR						Mascot
1993.8701	1993.8893	0.0192	10	136	152	CGDGQIEIQNCTKEENR				Carbamidomethyl (C)[1]		Mascot
2616.2544	2616.2104	-0.044	-17	264	286	SVSFTNQPCESKPLGNL PDCIPR				Carbamidomethyl (C)[9,20]		Mascot

23 Ewing tumor-associated antigen 1 [Danio rerio] gi|162139038 71948.4 6.84 11 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
844.4423	844.4626	0.0203	24	385	390	QRFEHK					Mascot
844.4423	844.4626	0.0203	24	385	390	QRFEHK					Mascot
906.4461	906.4094	-0.0367	-40	627	633	KQQAMER			Oxidation (M)[5]		Mascot
922.3934	922.4028	0.0094	10	618	625	CSDAEIER					Mascot
996.5836	996.5638	-0.0198	-20	28	37	SPKAAAPLNK					Mascot
1050.4884	1050.53	0.0416	40	618	626	CSDAEIERK					Mascot
1091.5076	1091.5417	0.0341	31	250	259	DNAKSDASQR					Mascot
1475.7085	1475.7086	0.0001	0	2	14	ESRGSSEQNEIAK					Mascot
1904.884	1904.8184	-0.0656	-34	609	625	DVCNPAVVKCSDAEIER			Carbamidomethyl (C)[3]		Mascot
1994.0526	1993.8893	-0.1633	-82	334	351	TKVSQNNSEQINGGLHR					Mascot
2211.155	2211.0356	-0.1194	-54	413	432	NAIKPSQSKPSSMHQNLI SK			Oxidation (M)[13]		Mascot
2384.0354	2383.8777	-0.1577	-66	524	548	AAGPGCNVSCDAARPSG SSSNGAYK			Carbamidomethyl (C)[6]		Mascot

24 Zgc:175171 protein [Danio rerio] gi|161612243 31520.2 9.32 11 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
860.4736	860.4272	-0.0464	-54	130	136	SGYHLKR					Mascot
906.4315	906.4094	-0.0221	-24	57	64	EADFTAPR					Mascot

	1034.5265	1034.527	0.0005	0	56	64	KEADFTAPR										Mascot
	1445.6089	1445.7333	0.1244	86	118	129	NFICDHCYGAFR										Mascot
	1743.8265	1743.8573	0.0308	18	14	30	KMMSPLGPASAHGSGQ R				Oxidation (M)[2,3]						Mascot
	1857.8523	1857.9689	0.1166	63	115	129	VQKNFICDHCYGAFR				Carbamidomethyl (C)[7]						Mascot
	1857.8523	1857.9689	0.1166	63	115	129	VQKNFICDHCYGAFR				Carbamidomethyl (C)[7]						Mascot
	1993.9569	1993.8893	-0.0676	-34	65	80	LLDEKEMRPSEDMQLK				Oxidation (M)[7,13]						Mascot
	2210.9087	2211.0356	0.1269	57	221	239	HSLTHTGEKPFACDMCD MR				Oxidation (M)[15,18]						Mascot
	2225.124	2225.0466	-0.0774	-35	36	55	GTQGHMVLPTSMTCPL LLR				Carbamidomethyl (C)[14], Oxidation (M)[6]						Mascot
	2282.9773	2283.1045	0.1272	56	193	211	HSLTHTGVKPYACSMCD MR				Carbamidomethyl (C)[13,16], Oxidation (M)[15,18]						Mascot
	2991.3118	2991.3586	0.0468	16	216	239	YHLERHSLTHTGEKPFAC DMCDMR				Carbamidomethyl (C)[18,21]						Mascot
25	Zgc:153371 [Danio rerio]				gi 115292070		30630.9	5.3	7	35	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3665	807.3908	0.0243	30	1	7	MGNQVDK			Oxidation (M)[1]		Mascot
844.4709	844.4626	-0.0083	-10	218	224	LCLPDKR					Mascot
844.4709	844.4626	-0.0083	-10	218	224	LCLPDKR					Mascot
1492.6638	1492.626	-0.0378	-25	65	76	HYSELDCAVYHR					Mascot
1936.9498	1936.8516	-0.0982	-51	84	101	SGSTAELETFSPELNK					Mascot
1993.9939	1993.8893	-0.1046	-52	225	240	FHVLEFQSLEDLIMEK			Oxidation (M)[14]		Mascot
2211.0605	2211.0356	-0.0249	-11	159	178	FKALCPDMVVQNAMEQV GAK			Oxidation (M)[8,14]		Mascot
2264.0469	2264.0029	-0.044	-19	161	180	ALCPDMVVQNAMEQVG AKDR			Carbamidomethyl (C)[3], Oxidation (M)[6,12]		Mascot
2264.0469	2264.0029	-0.044	-19	161	180	ALCPDMVVQNAMEQVG AKDR			Carbamidomethyl (C)[3], Oxidation (M)[6,12]		Mascot

26 PREDICTED: probable E3 ubiquitin-protein ligase TRIM8-like [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
857.4264	857.4856	0.0592	69	318	324	THPPYSR					Mascot
857.4264	857.4856	0.0592	69	318	324	THPPYSR					Mascot
922.5244	922.4028	-0.1216	-132	156	163	IFLSEVSK					Mascot
1045.5021	1045.5333	0.0312	30	20	27	QQDRIDDR					Mascot
1050.5475	1050.53	-0.0175	-17	1	9	MAALIWSMK					Mascot

1192.6508	1192.5251	-0.1257	-105	2	11	AALIWSMKTR		Oxidation (M)[7]	Mascot
1192.6508	1192.5251	-0.1257	-105	2	11	AALIWSMKTR		Oxidation (M)[7]	Mascot
1234.7041	1234.6414	-0.0627	-51	106	116	LLSSVQVVFDDK			Mascot
1264.6783	1264.6165	-0.0618	-49	28	37	VKDIEEQLYK			Mascot
1264.6783	1264.6165	-0.0618	-49	28	37	VKDIEEQLYK			Mascot
1323.6912	1323.6307	-0.0605	-46	1	11	MAALIWSMKTR		Oxidation (M)[1]	Mascot
1366.6671	1366.6393	-0.0278	-20	136	148	SQSCTGSVLPPYK			Mascot
2616.1497	2616.2104	0.0607	23	296	317	KILMCTMDNVCSSVPSI SNHR		Carbamidomethyl (C)[5,10]	Mascot

27 PREDICTED: interferon-induced very large GTPase 1-like [Danio rerio] gi|189517554 108763.7 5.84 13 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
857.509	857.4856	-0.0234	-27	746	752	LLEDVIR					Mascot
857.509	857.4856	-0.0234	-27	746	752	LLEDVIR	15	0			Mascot
922.4363	922.4028	-0.0335	-36	426	433	TTSEEVEK					Mascot
1004.4393	1004.4677	0.0284	28	434	441	SMSEFFEK					Mascot
1045.52	1045.5333	0.0133	13	889	896	DLEKYYSK					Mascot
1051.5605	1051.6798	0.1193	113	488	496	MIQSFNIAK					Mascot
1059.5979	1059.5621	-0.0358	-34	290	297	MERIIIR					Mascot
1059.5979	1059.5621	-0.0358	-34	290	297	MERIIIR					Mascot
1090.5674	1090.5328	-0.0346	-32	163	171	KLLETGGR			Carbamidomethyl (C)[6]		Mascot
1234.6677	1234.6414	-0.0263	-21	598	607	EPIEQSIYKK					Mascot
1366.7035	1366.6393	-0.0642	-47	513	524	AMLKEYQEGAVK					Mascot
1434.7192	1434.7239	0.0047	3	218	228	QQQMKILMDR			Oxidation (M)[5]		Mascot
1638.8585	1638.8063	-0.0522	-32	112	125	FTESETSVKIIQK					Mascot
1907.8579	1907.8336	-0.0243	-13	426	441	TTSEEVEKSMSEFFEK					Mascot
2743.2378	2743.2261	-0.0117	-4	381	402	LETVYTEWSWSLHNAMM ELENK			Oxidation (M)[16,17]		Mascot

28 staphylococcal nuclease domain-containing protein 1 [Danio rerio] gi|33504513 100043.2 6.93 14 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1034.5516	1034.527	-0.0246	-24	728	736	FEKVESPAK					Mascot
1059.5179	1059.5621	0.0442	42	83	91	EYGMVYLK					Mascot
1059.5179	1059.5621	0.0442	42	83	91	EYGMVYLK					Mascot

	1091.5038	1091.5417	0.0379	35	125	133	LCDLEDQAK									Carbamidomethyl (C)[2]	Mascot
	1147.5967	1147.5879	-0.0088	-8	12	22	GQPRGGPPPER										Mascot
	1234.6646	1234.6414	-0.0232	-19	1	11	MVLSGCAIVR									Carbamidomethyl (C)[6], Oxidation (M)[1]	Mascot
	1277.6525	1277.6686	0.0161	13	635	644	LWANYEEKPK										Mascot
	1293.5879	1293.6056	0.0177	14	571	581	EVEVEVESMDK										Mascot
	1293.5879	1293.6056	0.0177	14	571	581	EVEVEVESMDK										Mascot
	1366.7378	1366.6393	-0.0985	-72	494	504	QFFPFLQRAGR										Mascot
	1707.7828	1707.7192	-0.0636	-37	401	416	AATNAMEMGVPAFPER									Oxidation (M)[6]	Mascot
	1840.7408	1840.903	0.1622	88	873	887	YGDFRDDDADEFGYR										Mascot
	1994.0129	1993.8893	-0.1236	-62	731	747	VESPAKVHVFIIDYGNR										Mascot
	1995.9017	1995.8215	-0.0802	-40	47	62	DTPDEPWAFQAREFMR										Mascot
	1995.9017	1995.8215	-0.0802	-40	47	62	DTPDEPWAFQAREFMR										Mascot
	2264.011	2264.0029	-0.0081	-4	267	286	EGFARCVDSMAVYTQ GAEK									Oxidation (M)[11]	Mascot
	2264.011	2264.0029	-0.0081	-4	267	286	EGFARCVDSMAVYTQ GAEK									Oxidation (M)[11]	Mascot
	2743.4231	2743.2261	-0.197	-72	180	203	DGCMVRRALLLPDYLVTV MLSGIK									Carbamidomethyl (C)[3], Oxidation (M)[4]	Mascot
29	PREDICTED: proto-oncogene serine/threonine-protein kinase pim-1-like [Danio rerio]						gi 326670989	31071.2	9.5	2	35	0	28	58.287			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
857.4839	857.4856	0.0017	2	77	84	LIVDGQGR					Mascot
857.4839	857.4856	0.0017	2	77	84	LIVDGQGR	28		58.287		Mascot
882.5658	882.5405	-0.0253	-29	85	92	LPLEVALK					Mascot

30 FYVE, RhoGEF and PH domain-containing protein 6 [Danio rerio] gi|153792522 147346.7 6.22 15 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
860.4471	860.4272	-0.0199	-23	760	766	EEVERAK					Mascot
906.4791	906.4094	-0.0697	-77	69	76	NQHPPVSK					Mascot
1034.5663	1034.527	-0.0393	-38	991	999	EGTLMKLSR					Mascot
1050.5612	1050.53	-0.0312	-30	991	999	EGTLMKLSR			Oxidation (M)[5]		Mascot
1165.6649	1165.71	0.0451	39	987	996	VFLKEGTLMK					Mascot
1277.6228	1277.6686	0.0458	36	366	376	SLPQMVDLSLK			Carbamidomethyl (C)[10]		Mascot
1293.6178	1293.6056	-0.0122	-9	366	376	SLPQMVDLSLK			Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot

1293.6178	1293.6056	-0.0122	-9	366	376	SLPQMVDSLCK	Carbamidomethyl (C)[10], Oxidation (M)[5]	Mascot
1366.6711	1366.6393	-0.0318	-23	1305	1315	WIEAFQEAMIL	Oxidation (M)[9]	Mascot
1434.6616	1434.7239	0.0623	43	694	705	CAELAVGFQMHR	Carbamidomethyl (C)[1], Oxidation (M)[10]	Mascot
1492.7499	1492.626	-0.1239	-83	364	376	QKSLPQMVDSLCK	Oxidation (M)[7]	Mascot
1562.7566	1562.743	-0.0136	-9	1163	1175	NQLARVCDHCYIK		Mascot
1707.8119	1707.7192	-0.0927	-54	870	883	EFDRNVALLDEQCR		Mascot
1857.9202	1857.9689	0.0487	26	1176	1192	LQHKGDQSNVTFSPSGR		Mascot
1857.9202	1857.9689	0.0487	26	1176	1192	LQHKGDQSNVTFSPSGR		Mascot
1907.9596	1907.8336	-0.126	-66	115	132	EATLTTEVGVFKEGDSPK		Mascot
2282.9849	2283.1045	0.1196	52	1121	1137	TTMCMICTCEFTLTWRR	Carbamidomethyl (C)[4,7,9], Oxidation (M)[3]	Mascot
2284.1602	2284.1013	-0.0589	-26	940	960	DTQTALSVVKEVANHAN DIMK		Mascot
3082.5891	3082.3618	-0.2273	-74	69	97	NQHPPVSKNGGPALLSS NLSHYIIPPCNK		Mascot
3082.5891	3082.3618	-0.2273	-74	69	97	NQHPPVSKNGGPALLSS NLSHYIIPPCNK		Mascot

31 phosphoserine aminotransferase isoform 2 [Danio rerio] gi|41053792 40384.6 8.29 8 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
906.405	906.4094	0.0044	5	310	317 EGDESLEK			Mascot
1034.5	1034.527	0.027	26	309	317 KEGDESLEK			Mascot
1050.4269	1050.53	0.1031	98	259	268 NNGGADAMER		Oxidation (M)[8]	Mascot
1051.5935	1051.6798	0.0863	82	190	199 FGLIFAGAQK			Mascot
1091.603	1091.5417	-0.0613	-56	300	308 MNIPFRIGK		Oxidation (M)[1]	Mascot
1357.682	1357.675	-0.007	-5	355	365 ILAAYMEDFLR		Oxidation (M)[6]	Mascot
1592.7889	1592.8003	0.0114	7	355	367 ILAAYMEDFLRNH			Mascot
2743.5139	2743.2261	-0.2878	-105	71	96 ILFLQGGGSGQFSAVPLN LIGLKEER			Mascot

32 DNA mismatch repair protein Msh2 [Danio rerio] gi|47087243 103731.4 6.32 14 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
844.4886	844.4626	-0.026	-31	220	227 GGILLTDR			Mascot
844.4886	844.4626	-0.026	-31	901	907 AVKEELR			Mascot
870.5519	870.5138	-0.0381	-44	213	219 LKQVVQR			Mascot
1034.4935	1034.527	0.0335	32	483	490 ENMDRLEK			Mascot
1045.4772	1045.5333	0.0561	54	82	89 MNFESFVR		Oxidation (M)[1]	Mascot

1050.4884	1050.53	0.0416	40	483	490	ENMDRLEK	Oxidation (M)[3]	Mascot
1091.5514	1091.5417	-0.0097	-9	374	382	KSCQEDLLR		Mascot
1234.6533	1234.6414	-0.0119	-10	265	275	IAMSCLEAVIK	Carbamidomethyl (C)[5]	Mascot
1264.6896	1264.6165	-0.0731	-58	160	171	VVGVGYYVDSTLR		Mascot
1264.6896	1264.6165	-0.0731	-58	160	171	VVGVGYYVDSTLR		Mascot
1293.6178	1293.6056	-0.0122	-9	889	900	VKSMPVDGMSDK		Mascot
1293.6178	1293.6056	-0.0122	-9	889	900	VKSMPVDGMSDK		Mascot
1475.7278	1475.7086	-0.0192	-13	108	119	SSKEHDWQIAFK		Mascot
1592.7836	1592.8003	0.0167	10	250	264	GETVSSAALPEMEKK	Oxidation (M)[12]	Mascot
1716.8479	1716.7966	-0.0513	-30	276	290	YLELLADEANFGSFK		Mascot
1996.0143	1995.8215	-0.1928	-97	663	680	MFHIITGPSMGGKSTYIR		Mascot
1996.0143	1995.8215	-0.1928	-97	663	680	MFHIITGPSMGGKSTYIR		Mascot
2616.3391	2616.2104	-0.1287	-49	776	798	SFCLFATHFHELTALAQQ VPTVR		Mascot

33 PREDICTED: GTPase IMAP family member 4-like [Danio rerio] gi|125812242 34845.7 6.51 9 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.4999	856.4998	-0.0001	0	283	289	RAEKPQK					Mascot
877.3533	877.428	0.0747	85	275	281	EEEEEDAR					Mascot
882.4791	882.5405	0.0614	70	245	251	HEEIARK					Mascot
1192.6056	1192.5251	-0.0805	-67	2	12	TSDEKLGDLSK					Mascot
1192.6056	1192.5251	-0.0805	-67	2	12	TSDEKLGDLSK					Mascot
1277.6808	1277.6686	-0.0122	-10	43	55	GSGKSSTGNTILR					Mascot
1323.6461	1323.6307	-0.0154	-12	1	12	MTSDEKLGDLSK					Mascot
1492.8005	1492.626	-0.1745	-117	196	208	NTGFEQVSKLLEK					Mascot
1493.7239	1493.6652	-0.0587	-39	135	146	DMHKLIQNMFGK			Oxidation (M)[2,9]		Mascot
1904.8654	1904.8184	-0.047	-25	252	267	LRELEENCEGEGELER					Mascot

34 beclin 1 (coiled-coil, myosin-like BCL2 interacting protein) [Danio rerio]

gi|220672694 25924.7 6.58 7 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.3987	856.4998	0.1011	118	131	136	FFWDNK					Mascot
870.396	870.5138	0.1178	135	93	99	MGLCFQR			Oxidation (M)[1]		Mascot

	882.4753	882.5405	0.0652	74	203	209	FMLTNLK						Oxidation (M)[2]	Mascot
	1264.6354	1264.6165	-0.0189	-15	120	130	ELPLYCSGGLR						Carbamidomethyl (C)[6]	Mascot
	1264.6354	1264.6165	-0.0189	-15	120	130	ELPLYCSGGLR						Carbamidomethyl (C)[6]	Mascot
	1308.698	1308.6179	-0.0801	-61	28	37	YCQIQLDKLG						Carbamidomethyl (C)[2]	Mascot
	1840.868	1840.903	0.035	19	21	35	SVDNQMRYCQIQLDK							Mascot
	1857.8323	1857.9689	0.1366	74	153	167	EEVEKDDTGFCCLPYR						Carbamidomethyl (C)[11]	Mascot
	1857.8323	1857.9689	0.1366	74	153	167	EEVEKDDTGFCCLPYR						Carbamidomethyl (C)[11]	Mascot

35 PREDICTED: uncharacterized protein C9orf172 homolog [Danio rerio] gi|292616967 121567.5 7.99 16 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
844.4709	844.4626	-0.0083	-10	933	939	LQMPTVR					Mascot
844.4774	844.4626	-0.0148	-18	692	698	DLIDQLK					Mascot
860.4658	860.4272	-0.0386	-45	933	939	LQMPTVR			Oxidation (M)[3]		Mascot
870.4832	870.5138	0.0306	35	337	343	YPIQPPR					Mascot
906.509	906.4094	-0.0996	-110	822	828	HILKHCR					Mascot
922.4853	922.4028	-0.0825	-89	215	222	QANTPHVR					Mascot
1034.6105	1034.527	-0.0835	-81	840	848	IARVGYSR					Mascot
1192.6143	1192.5251	-0.0892	-75	988	996	EICFINIQR			Carbamidomethyl (C)[3]		Mascot
1192.6143	1192.5251	-0.0892	-75	988	996	EICFINIQR			Carbamidomethyl (C)[3]		Mascot
1264.7273	1264.6165	-0.1108	-88	373	382	TRWVHTLPVR					Mascot
1264.7273	1264.6165	-0.1108	-88	373	382	TRWVHTLPVR					Mascot
1366.7875	1366.6393	-0.1482	-108	928	939	LPSPKLQMPTVR					Mascot
1434.7263	1434.7239	-0.0024	-2	774	785	KDTTFNASLYFK					Mascot
1562.647	1562.743	0.096	61	1041	1053	QFMCMIMAASEPR			Oxidation (M)[3,5,7]		Mascot
1592.6356	1592.8003	0.1647	103	272	284	TPTPSECYNMDYR			Oxidation (M)[10]		Mascot
1707.8774	1707.7192	-0.1582	-93	1054	1068	MLDWVGAPHLLDDII					Mascot
1857.8478	1857.9689	0.1211	65	1038	1053	TGKQFMCMIMAASEPR			Carbamidomethyl (C)[7]		Mascot
1857.8478	1857.9689	0.1211	65	1038	1053	TGKQFMCMIMAASEPR			Carbamidomethyl (C)[7]		Mascot
2225.0332	2225.0466	0.0134	6	1007	1024	HEFPQIYNQLCEFVESNK					Mascot
2264.0562	2264.0029	-0.0533	-24	436	453	MFYTRPCHYPAEVHIPM R			Oxidation (M)[1]		Mascot
2264.0562	2264.0029	-0.0533	-24	436	453	MFYTRPCHYPAEVHIPM R			Oxidation (M)[1]		Mascot

36 dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, gi|41393131 48666.3 8.97 4 34 0 24 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
844.4634	844.4626	-0.0008	-1	21	28	QGNSVLAR	24	0		Mascot
844.4634	844.4626	-0.0008	-1	21	28	QGNSVLAR				Mascot
1434.7926	1434.7239	-0.0687	-48	279	291	HGIKLGFM SAFVK				Mascot
1995.9779	1995.8215	-0.1564	-78	415	430	VEVRPMMYVALTYDHR			Oxidation (M)[6]	Mascot
1995.9779	1995.8215	-0.1564	-78	415	430	VEVRPMMYVALTYDHR			Oxidation (M)[6]	Mascot
2211.2747	2211.0356	-0.2391	-108	318	338	DYVDISVAVATPKGLVVP VIR				Mascot
37	PREDICTED: TBC1 domain family member 2B [Danio rerio]				gi 326680312	109264.9	5.83	12	34	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
857.5566	857.4856	-0.071	-83	314	320	ISKLQLR				Mascot
857.5566	857.4856	-0.071	-83	314	320	ISKLQLR	5	0		Mascot
877.4019	877.428	0.0261	30	666	672	MRDCQPK				Mascot
1059.5792	1059.5621	-0.0171	-16	338	346	LREELGSQK				Mascot
1059.5792	1059.5621	-0.0171	-16	338	346	LREELGSQK				Mascot
1090.5562	1090.5328	-0.0234	-21	631	639	EMVRSPDLK			Oxidation (M)[2]	Mascot
1234.658	1234.6414	-0.0166	-13	122	130	YWLQQLQKQK				Mascot
1293.5503	1293.6056	0.0553	43	132	141	WEFCNMPGPR			Carbamidomethyl (C)[4]	Mascot
1293.5503	1293.6056	0.0553	43	132	141	WEFCNMPGPR			Carbamidomethyl (C)[4]	Mascot
1434.6987	1434.7239	0.0252	18	654	664	VWSWCVSFHVK			Carbamidomethyl (C)[5]	Mascot
1562.7937	1562.743	-0.0507	-32	654	665	VWSWCVSFHVKK			Carbamidomethyl (C)[5]	Mascot
1592.8042	1592.8003	-0.0039	-2	652	664	SKVWSWCVSFHVK				Mascot
1840.7726	1840.903	0.1304	71	1	16	MQEEDESSANTSRNSR				Mascot
2264.0095	2264.0029	-0.0066	-3	442	463	LSQPSGEGETQSAECNS PSVTR				Mascot
2264.0095	2264.0029	-0.0066	-3	442	463	LSQPSGEGETQSAECNS PSVTR				Mascot
2282.999	2283.1045	0.1055	46	673	691	DYYHNLLCMANDKPNPA CK			Carbamidomethyl (C)[8], Oxidation (M)[9]	Mascot
38	PREDICTED: vacuolar protein sorting-associated protein 41 homolog [Danio rerio]				gi 125853163	99028.4	5.84	14	34	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type

877.5141	877.428	-0.0861	-98	527	533	ALEIYLR														Mascot
996.4744	996.5638	0.0894	90	409	417	GDYDTAARK														Mascot
1004.5081	1004.4677	-0.0404	-40	844	853	GPGSGILEMK						Oxidation (M)[9]								Mascot
1045.5272	1045.5333	0.0061	6	2	10	AEVEEQGRK														Mascot
1090.6044	1090.5328	-0.0716	-66	57	66	FLALGTHFGK														Mascot
1192.5626	1192.5251	-0.0375	-31	1	10	MAEVEEQGRK						Oxidation (M)[1]								Mascot
1192.5626	1192.5251	-0.0375	-31	1	10	MAEVEEQGRK						Oxidation (M)[1]								Mascot
1234.5192	1234.6414	0.1222	99	46	56	DAASCMTVHDK						Carbamidomethyl (C)[5]								Mascot
1293.6545	1293.6056	-0.0489	-38	139	150	SNNKQFVTGGNK														Mascot
1293.6545	1293.6056	-0.0489	-38	139	150	SNNKQFVTGGNK														Mascot
1366.7286	1366.6393	-0.0893	-65	556	566	IVLLMDFDKEK						Oxidation (M)[5]								Mascot
1492.6525	1492.626	-0.0265	-18	117	128	EGFHENFDCPIK						Carbamidomethyl (C)[9]								Mascot
1743.8159	1743.8573	0.0414	24	425	437	NMDLWENEVYRFK														Mascot
1908.0854	1907.8336	-0.2518	-132	589	603	DRPELLHVYLHKLKFK														Mascot
2264.1665	2264.0029	-0.1636	-72	669	688	ALQMIMEELANVDKAEF AK														Mascot
2264.1665	2264.0029	-0.1636	-72	669	688	ALQMIMEELANVDKAEF AK														Mascot
2283.1292	2283.1045	-0.0247	-11	334	352	DYRLEHSEGESLFYIISPK														Mascot

39 PREDICTED: Golgi apparatus protein 1 isoform 1 gi|292628588 129597.2 6.34 16 34 0 11 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3301	807.3908	0.0607	75	138	144	ECAAEEER					Mascot
857.3934	857.4856	0.0922	108	995	1001	INHEGCK			Carbamidomethyl (C)[6]		Mascot
857.3934	857.4856	0.0922	108	995	1001	INHEGCK			Carbamidomethyl (C)[6]		Mascot
860.4518	860.4272	-0.0246	-29	2	9	AACGRVQR					Mascot
877.4308	877.428	-0.0028	-3	557	563	TEMQGRR					Mascot
1059.4888	1059.5621	0.0733	69	680	687	HQKEMNEK			Oxidation (M)[5]		Mascot
1059.4888	1059.5621	0.0733	69	680	687	HQKEMNEK			Oxidation (M)[5]		Mascot
1192.5891	1192.5251	-0.064	-54	903	912	FCQNILNNAR					Mascot
1192.5891	1192.5251	-0.064	-54	903	912	FCQNILNNAR					Mascot
1234.6473	1234.6414	-0.0059	-5	1031	1042	HQCAAIPPGKGR					Mascot
1264.5851	1264.6165	0.0314	25	553	562	HAYRTEMQGR	13	0	Oxidation (M)[7]		Mascot
1264.5878	1264.6165	0.0287	23	172	181	MTSIIYSDYR			Oxidation (M)[1]		Mascot
1308.6656	1308.6179	-0.0477	-36	510	519	DWKLDPIMYK					Mascot
1357.5811	1357.675	0.0939	69	337	347	YRCNMDTAMPR					Mascot

1434.6793	1434.7239	0.0446	31	57	69	SGGWKLAEEAACR	Carbamidomethyl (C)[12]	Mascot
1493.7264	1493.6652	-0.0612	-41	131	144	STISGIKECAAEER		Mascot
1562.7367	1562.743	0.0063	4	913	926	DDNELEGQVISCLK		Mascot
1716.885	1716.7966	-0.0884	-51	898	912	ADIPKFCQNILNNAR		Mascot
1857.9664	1857.9689	0.0025	1	25	42	GLKSVIVGTENAAENAER		Mascot
1857.9664	1857.9689	0.0025	1	25	42	GLKSVIVGTENAAENAER		Mascot

40 chromatin assembly factor 1 subunit A [Danio rerio] gi|148539970 97162.6 5.01 12 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.4028	807.3908	-0.012	-15	377	384	TLASACGK			Carbamidomethyl (C)[6]		Mascot
844.4709	844.4626	-0.0083	-10	499	505	CPLRLDK					Mascot
844.4709	844.4626	-0.0083	-10	499	505	CPLRLDK					Mascot
857.4587	857.4856	0.0269	31	436	443	SSGPTRPR					Mascot
857.5203	857.4856	-0.0347	-40	239	246	INAANKVK					Mascot
996.501	996.5638	0.0628	63	428	435	DWTGHKPR					Mascot
1045.5636	1045.5333	-0.0303	-29	775	784	KSASSHSITK					Mascot
1323.6951	1323.6307	-0.0644	-49	492	502	STHISPRCPLR			Carbamidomethyl (C)[8]		Mascot
1366.6307	1366.6393	0.0086	6	583	593	EWENELMSK GK			Oxidation (M)[7]		Mascot
1445.7781	1445.7333	-0.0448	-31	371	384	TQLAPKTLASACGK			Carbamidomethyl (C)[12]		Mascot
1492.6824	1492.626	-0.0564	-38	717	728	CCWYVHADVLAR			Carbamidomethyl (C)[1]		Mascot
2232.96	2233.0127	0.0527	24	752	773	DEHSGSQGNSPTTNSST TPSNK					Mascot
2264.2432	2264.0029	-0.2403	-106	645	664	NEKLLTMLLPLLHGNVNS NK			Oxidation (M)[7]		Mascot
2264.2432	2264.0029	-0.2403	-106	645	664	NEKLLTMLLPLLHGNVNS NK			Oxidation (M)[7]		Mascot

41 novel protein similar to vertebrate SWIVSNF related, matrix associated, actin dependent regulator gi|55963379 29300 9.77 7 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.3869	856.4998	0.1129	132	263	269	QMPSKSY			Oxidation (M)[2]		Mascot
1059.6422	1059.5621	-0.0801	-76	126	134	KPAVYLRGR					Mascot
1059.6422	1059.5621	-0.0801	-76	126	134	KPAVYLRGR					Mascot
1234.5746	1234.6414	0.0668	54	135	144	CVSHSENRFRR					Mascot
1320.6794	1320.5439	-0.1355	-103	159	170	SIPSKNYDPATK					Mascot

	1475.7522	1475.7086	-0.0436	-30	70	82	QTQLIDINAACTK					Carbamidomethyl (C)[11]	Mascot
	2173.103	2172.9922	-0.1108	-51	62	82	GQSGAPTRQTQLIDINAACTK						Mascot
	2211.0286	2211.0356	0.007	3	41	61	HTQSGTTGGPAKNNQHFASDR						Mascot
42	tektin-4 [Danio rerio]				gi 224589086		51528.2	5.75	9	33	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
877.3832	877.428	0.0448	51	300	307	AQCDAVDR					Mascot
1004.5007	1004.4677	-0.033	-33	276	284	EETASQALR					Mascot
1045.5411	1045.5333	-0.0078	-7	175	183	DAVEEELLK					Mascot
1320.6147	1320.5439	-0.0708	-54	366	375	TLRPNMEQCR			Carbamidomethyl (C)[9], Oxidation (M)[6]		Mascot
1357.5913	1357.675	0.0837	62	77	87	NQAENICHESR			Carbamidomethyl (C)[7]		Mascot
1475.7812	1475.7086	-0.0726	-49	129	141	LSAETDLQISSRR					Mascot
1936.9368	1936.8516	-0.0852	-44	1	16	MMSSQILVSRPHYDTR			Oxidation (M)[1]		Mascot
2283.0823	2283.1045	0.0222	10	246	264	HPSSAVLQDQVCDEEVWRK			Carbamidomethyl (C)[12]		Mascot
3082.5659	3082.3618	-0.2041	-66	313	339	CVEMSQAKTQLELHLAQILEQIGAQER			Oxidation (M)[4]		Mascot
3082.5659	3082.3618	-0.2041	-66	313	339	CVEMSQAKTQLELHLAQILEQIGAQER			Oxidation (M)[4]		Mascot

43	beclin1 [Danio rerio]				gi 123720790		51430.1	4.89	9	33	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.3987	856.4998	0.1011	118	356	361	FFWDNK					Mascot
870.396	870.5138	0.1178	135	318	324	MGLCFQR			Oxidation (M)[1]		Mascot
882.4753	882.5405	0.0652	74	428	434	FMLTNLK			Oxidation (M)[2]		Mascot
1179.6005	1179.5668	-0.0337	-29	26	35	LDTSFNVLDR					Mascot
1264.6354	1264.6165	-0.0189	-15	345	355	ELPLYCSGGLR			Carbamidomethyl (C)[6]		Mascot
1264.6354	1264.6165	-0.0189	-15	345	355	ELPLYCSGGLR			Carbamidomethyl (C)[6]		Mascot
1857.8323	1857.9689	0.1366	74	378	392	EEVEKDDTGFCCLPYR			Carbamidomethyl (C)[11]		Mascot
1857.8323	1857.9689	0.1366	74	378	392	EEVEKDDTGFCCLPYR			Carbamidomethyl (C)[11]		Mascot
1904.9335	1904.8184	-0.1151	-60	186	201	QEEESLIQELESIEK					Mascot
1907.8916	1907.8336	-0.058	-30	214	228	NHSQLMDTEELRYQK			Oxidation (M)[6]		Mascot
2264.062	2264.0029	-0.0591	-26	1	19	METLRFSSNTMQVSFVCQR					Mascot
2264.062	2264.0029	-0.0591	-26	1	19	METLRFSSNTMQVSFVCQR					Mascot

44 Zgc:171352 protein [Danio rerio] gi|94573466 61577.2 5.51 11 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1050.4819	1050.53	0.0481	46	127	136	VKCGNGDCVR					Mascot
1090.5424	1090.5328	-0.0096	-9	106	115	CICPPPYIGK					Mascot
1147.5638	1147.5879	0.0241	21	106	115	CICPPPYIGK			Carbamidomethyl (C)[1]		Mascot
1165.571	1165.71	0.139	119	256	264	EPWCFVKEK					Mascot
1179.5245	1179.5668	0.0423	36	117	125	CQNEKNVCK			Carbamidomethyl (C)[1,8]		Mascot
1493.8046	1493.6652	-0.1394	-93	300	313	AAFSMIAPRIFGGR					Mascot
1562.7056	1562.743	0.0374	24	250	262	NPDGDREPWCFFVK					Mascot
1592.7042	1592.8003	0.0961	60	495	509	IDSCQGDSDGGLPLVCK			Carbamidomethyl (C)[4,14]		Mascot
1593.6309	1593.7911	0.1602	101	180	193	ASFTCTCPEDYSGR			Carbamidomethyl (C)[5]		Mascot
1840.7555	1840.903	0.1475	80	235	249	EFEGNESIGEHNCR			Carbamidomethyl (C)[14]		Mascot
1907.801	1907.8336	0.0326	17	178	193	TRASFTCTCPEDYSGR			Carbamidomethyl (C)[7,9]		Mascot
2210.9487	2211.0356	0.0869	39	158	177	NAYACNPSPCQNGGTCV KGR			Carbamidomethyl (C)[5,10,16]		Mascot

45 hypothetical protein LOC492811 [Danio rerio] gi|55925393 30709.6 5.95 3 33 0 23 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1264.5925	1264.6165	0.024	19	210	219	LWDIRDGMCR					Mascot
1264.5925	1264.6165	0.024	19	210	219	LWDIRDGMCR	23	0			Mascot
1323.6943	1323.6307	-0.0636	-48	79	89	LIWDGYTTNK					Mascot
2616.178	2616.2104	0.0324	12	257	279	ADQELMMYTHDNIICGIT SVAFS			Carbamidomethyl (C)[15]		Mascot

46 PREDICTED: neuronal acetylcholine receptor subunit beta-2, partial [Danio rerio] gi|326680966 42689.8 7.68 8 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
860.4446	860.4272	-0.0174	-20	377	383	FIANHMK					Mascot
877.4811	877.428	-0.0531	-61	44	51	SACKIEVK					Mascot
1357.7772	1357.675	-0.1022	-75	234	244	LPALLFMRQPR			Oxidation (M)[7]		Mascot
1366.7073	1366.6393	-0.068	-50	334	347	EGGANPLQGSALPR					Mascot
1434.8566	1434.7239	-0.1327	-92	177	190	IVPPTSLDVPLVGK					Mascot

	1593.6962	1593.7911	0.0949	60	377	389	FIANHMKSEDDDR				Oxidation (M)[6]	Mascot
	1857.8218	1857.9689	0.1471	79	288	303	ENNEACTCYVNRASVK				Carbamidomethyl (C)[6]	Mascot
	1857.8218	1857.9689	0.1471	79	288	303	ENNEACTCYVNRASVK				Carbamidomethyl (C)[6]	Mascot
	2264.3372	2264.0029	-0.3343	-148	157	176	MTLCISVLLALTVFLLISK				Carbamidomethyl (C)[4], Oxidation (M)[1]	Mascot
	2264.3372	2264.0029	-0.3343	-148	157	176	MTLCISVLLALTVFLLISK				Carbamidomethyl (C)[4], Oxidation (M)[1]	Mascot
47	LOC553253 protein [Danio rerio]				gi 51859054		32958.8	9.23	7	33	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
857.3868	857.4856	0.0988	115	217	222	CPHCRK			Carbamidomethyl (C)[1,4]		Mascot
857.3868	857.4856	0.0988	115	217	222	CPHCRK			Carbamidomethyl (C)[1,4]		Mascot
860.51	860.4272	-0.0828	-96	120	126	IHQHVVK					Mascot
870.5043	870.5138	0.0095	11	45	52	SPLLLDGR					Mascot
1050.5223	1050.53	0.0077	7	163	171	IACPRPYCK					Mascot
1059.5106	1059.5621	0.0515	49	292	300	ISEPLHNYS					Mascot
1059.5106	1059.5621	0.0515	49	292	300	ISEPLHNYS					Mascot
1320.6664	1320.5439	-0.1225	-93	163	172	IACPRPYCKR			Carbamidomethyl (C)[3,8]		Mascot
2384.1089	2383.8777	-0.2312	-97	24	44	HQHQLVADFVPVYGMA DGER					Mascot

48	Zgc:63504 protein [Danio rerio]				gi 39644985		175143.5	5.66	18	33	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.409	842.4856	0.0766	91	991	996	MYHVHR					Mascot
844.4933	844.4626	-0.0307	-36	999	1004	RMIRPR	6	0	Oxidation (M)[2]		Mascot
844.4933	844.4626	-0.0307	-36	999	1004	RMIRPR			Oxidation (M)[2]		Mascot
860.4373	860.4272	-0.0101	-12	1105	1111	SNAYHLR					Mascot
1004.5444	1004.4677	-0.0767	-76	399	406	LCTQIEK			Carbamidomethyl (C)[2]		Mascot
1034.5187	1034.527	0.0083	8	707	716	ALEGIMEGAK			Oxidation (M)[6]		Mascot
1050.4891	1050.53	0.0409	39	1418	1425	ETVDWWSK					Mascot
1165.5735	1165.71	0.1365	117	718	727	LFEEATDVNK					Mascot
1277.6405	1277.6686	0.0281	22	705	716	DKALEGIMEGAK			Oxidation (M)[8]		Mascot
1293.6871	1293.6056	-0.0815	-63	1544	1554	CDPYIKISLGK			Carbamidomethyl (C)[1]		Mascot
1293.6871	1293.6056	-0.0815	-63	1544	1554	CDPYIKISLGK			Carbamidomethyl (C)[1]		Mascot
1308.6947	1308.6179	-0.0768	-59	429	438	IKLTVYDWDR					Mascot
1323.5997	1323.6307	0.031	23	1539	1549	DNNGKCDPYIK			Carbamidomethyl (C)[6]		Mascot

1592.8107	1592.8003	-0.0104	-7	384	397	NLVDPFVEAWFAGK	Mascot
1743.9275	1743.8573	-0.0702	-40	17	32	LGSPDPIASLVFRDEK	Mascot
1841.0742	1840.903	-0.1712	-93	1226	1243	NASAGEILVAAELILKTK	Mascot
1904.8872	1904.8184	-0.0688	-36	1475	1491	GKNEIDDEDPNVVGEFK	Mascot
1994.1168	1993.8893	-0.2275	-114	684	701	IPDLEGKPNLTSLDIQIK	Mascot
2225.0398	2225.0466	0.0068	3	1288	1307	MYQLAPVTSPCLVVECG GER	Carbamidomethyl (C)[11], Oxidation (M)[1] Mascot
2384.1938	2383.8777	-0.3161	-133	326	347	EQDSDKDDVESNLLLPA GVALR	Mascot

49 novel protein similar to human titin (TTN) [Danio rerio] gi|29561775 2113153 6.46 58 33 0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
807.393	807.3908	-0.0022	-3	8728	8733	WTRCNK			Mascot
842.5094	842.4856	-0.0238	-28	1522	1529	LSIPGVTR			Mascot
844.4635	844.4626	-0.0009	-1	4387	4393	SPISERR			Mascot
844.4886	844.4626	-0.026	-31	17157	17163	EDKLAIR	9	0	Mascot
856.3948	856.4998	0.105	123	1704	1710	GTSYWSR			Mascot
860.3784	860.4272	0.0488	57	4487	4493	DPEEGWK			Mascot
877.489	877.428	-0.061	-70	100	107	LNPPSPPR			Mascot
882.4315	882.5405	0.109	124	12144	12151	DGSSFTLR			Mascot
906.4349	906.4094	-0.0255	-28	2727	2733	EDKLMDR			Mascot
922.4298	922.4028	-0.027	-29	2727	2733	EDKLMDR		Oxidation (M)[5]	Mascot
996.5373	996.5638	0.0265	27	670	676	QYQFRVR			Mascot
1004.5047	1004.4677	-0.037	-37	16016	16023	VDQVEWTK			Mascot
1045.6404	1045.5333	-0.1071	-102	2435	2444	GTKFVVPGLK			Mascot
1050.5314	1050.53	-0.0014	-1	16479	16487	EDIKDTTTK			Mascot
1051.6259	1051.6798	0.0539	51	18684	18693	SPIASPPRVK			Mascot
1059.4412	1059.5621	0.1209	114	7077	7086	DGGQYSMTGK		Oxidation (M)[7]	Mascot
1059.5834	1059.5621	-0.0213	-20	8848	8855	LLEKHEYK			Mascot
1090.4987	1090.5328	0.0341	31	16580	16589	YYAGCGTSLR			Mascot
1091.5367	1091.5417	0.005	5	15035	15043	YSLTYTSTR			Mascot
1147.6106	1147.5879	-0.0227	-20	16312	16320	EISTEKWVR			Mascot
1165.6211	1165.71	0.0889	76	14756	14766	VSAENKFGVSK			Mascot
1179.6078	1179.5668	-0.041	-35	14620	14628	VTWKLEEMK		Oxidation (M)[8]	Mascot
1192.5626	1192.5251	-0.0375	-31	3823	3833	AVNMIGEGETR		Oxidation (M)[4]	Mascot
1192.5626	1192.5251	-0.0375	-31	3823	3833	AVNMIGEGETR		Oxidation (M)[4]	Mascot
1234.7041	1234.6414	-0.0627	-51	6941	6951	ITGYVIEAQLK			Mascot

1264.7623	1264.6165	-0.1458	-115	18756	18766	EAPPKIIQQLK		Mascot
1264.7623	1264.6165	-0.1458	-115	18756	18766	EAPPKIIQQLK		Mascot
1277.7688	1277.6686	-0.1002	-78	2490	2501	EKIVVHAGGVIR		Mascot
1293.6532	1293.6056	-0.0476	-37	18428	18439	ESETSAEVS VKK		Mascot
1293.6532	1293.6056	-0.0476	-37	18428	18439	ESETSAEVS VKK		Mascot
1308.6154	1308.6179	0.0025	2	4107	4116	CVENHIYQFR		Mascot
1320.7369	1320.5439	-0.193	-146	10302	10314	LNVSSTATSTVLK		Mascot
1323.6362	1323.6307	-0.0055	-4	4688	4698	TWTNCTNDLKK		Mascot
1366.8318	1366.6393	-0.1925	-141	5658	5669	IYVPLRGRPAK		Mascot
1445.7644	1445.7333	-0.0311	-22	17935	17946	MIKHFVPLSDMK		Mascot
1475.7601	1475.7086	-0.0515	-35	16447	16459	VFAENETGLSRPR		Mascot
1492.7166	1492.626	-0.0906	-61	14980	14992	DEYTPPKAELDSK		Mascot
1493.7166	1493.6652	-0.0514	-34	14434	14445	LSWQEVSECTR		Mascot
1562.9338	1562.743	-0.1908	-122	15768	15782	VIILDKPGVPVGP MK		Mascot
1592.7074	1592.8003	0.0929	58	4909	4923	DSGYYSLSAENSTAK		Mascot
1593.7036	1593.7911	0.0875	55	5575	5587	ADAEWWMKCNV PK	Carbamidomethyl (C)[9], Oxidation (M)[7]	Mascot
1707.8557	1707.7192	-0.1365	-80	6462	6475	LLWTKLAENVMDCR	Oxidation (M)[11]	Mascot
1840.9301	1840.903	-0.0271	-15	6924	6940	DTATLAWTKPKHDGGS R		Mascot
1858.1425	1857.9689	-0.1736	-93	7030	7045	VEIPVLGRPRPLVVWK		Mascot
1858.1425	1857.9689	-0.1736	-93	7030	7045	VEIPVLGRPRPLVVWK		Mascot
1904.9324	1904.8184	-0.114	-60	6233	6249	NSVTLMWTAPKYDGGHK		Mascot
1907.8844	1907.8336	-0.0508	-27	16431	16446	QFTIGGLMEATEYEFR	Oxidation (M)[8]	Mascot
1936.9611	1936.8516	-0.1095	-57	12107	12124	IGPSESPETDPQVAKER		Mascot
1994.0706	1993.8893	-0.1813	-91	2089	2107	NTVTLTWVPPKNDGGAP VK		Mascot
1995.9294	1995.8215	-0.1079	-54	4774	4790	INGYIVEYQQDGQPEDK		Mascot
1995.9592	1995.8215	-0.1377	-69	4006	4021	LMENHEYLFRVSAENK	Oxidation (M)[2]	Mascot
2173.0415	2172.9922	-0.0493	-23	14038	14056	ISWALVTSKCEACSFNAT K	Carbamidomethyl (C)[10,13]	Mascot
2211.021	2211.0356	0.0146	7	4280	4298	MVWSTYSASLVNYCNV TR	Oxidation (M)[1]	Mascot
2225.0479	2225.0466	-0.0013	-1	5030	5048	HPFDPPSEPLNCCVNKV SK	Carbamidomethyl (C)[12,13]	Mascot
2264.2537	2264.0029	-0.2508	-111	12021	12041	AEDPLFLPSPPAKPKIIDS TK		Mascot
2264.2537	2264.0029	-0.2508	-111	12021	12041	AEDPLFLPSPPAKPKIIDS TK		Mascot
2283.1284	2283.1045	-0.0239	-10	76	97	VRAVNVAGESEPEPSD PVLCK		Mascot
2284.0671	2284.1013	0.0342	15	5026	5045	MIARHPFDPPSEPLNCCV NK	Oxidation (M)[1]	Mascot
2384.0129	2383.8777	-0.1352	-57	16529	16548	NHLSVMTDEQEDEGLY TCR	Carbamidomethyl (C)[19]	Mascot

	2600.2383	2600.2058	-0.0325	-12	8599	8621	CCISWKTPLHDGGAEVS HYIVER						Mascot
	2616.3667	2616.2104	-0.1563	-60	6941	6963	ITGYVIEAQLKDSQWAH VTTIK						Mascot
	2743.2524	2743.2261	-0.0263	-10	16024	16046	CNTTPTKICEYTLTHMPQ GAEYK			Carbamidomethyl (C)[1,9]			Mascot
	2991.3716	2991.3586	-0.013	-4	14932	14956	CNYTTITENFFVTSLVEG EQYEFR						Mascot
	3082.4319	3082.3618	-0.0701	-23	1404	1428	VNPELCTVQIMTVDNLDE LHMYEFR			Carbamidomethyl (C)[6], Oxidation (M)[11]			Mascot
	3082.4319	3082.3618	-0.0701	-23	1404	1428	VNPELCTVQIMTVDNLDE LHMYEFR			Carbamidomethyl (C)[6], Oxidation (M)[11]			Mascot
50	LOC558885 protein [Danio rerio]				gi 120537825		75332.6	5.46	1		24	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
844.4634	844.4626	-0.0008	-1	156	163	QNGISAVR	24	0		1	Mascot

Gel Idx/Pos	235/J11	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	hypothetical protein LOC678590 [Danio rerio]	gi 94536906	28172.9	6.78	5	527	100	504	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1048.6189	1048.5802	-0.0387	-37	96	104	FVQFPGLLK	45	99.092			Mascot
1048.6189	1048.5802	-0.0387	-37	96	104	FVQFPGLLK					Mascot
2041.8167	2041.7416	-0.0751	-37	150	166	YYSCGPYSCWGVNSAD R	153	100	Carbamidomethyl (C)[4,9]		Mascot
2041.8167	2041.7416	-0.0751	-37	150	166	YYSCGPYSCWGVNSAD R			Carbamidomethyl (C)[4,9]		Mascot
2054.9785	2054.905	-0.0735	-36	220	238	SNPAGTDWISMIACPIGH K			Carbamidomethyl (C)[14]		Mascot
2070.9736	2070.9014	-0.0722	-35	220	238	SNPAGTDWISMIACPIGH K			Carbamidomethyl (C)[14], Oxidation (M)[11]		Mascot
2282.9956	2283.0947	0.0991	43	148	166	LKYYS CGPYSCWGVNSA DR			Carbamidomethyl (C)[6,11]		Mascot
3260.6182	3260.5063	-0.1119	-34	37	67	QIDAGSGSVVGVNDLNQ AFVLQDDVFNPVSR	306	100			Mascot
3260.6182	3260.5063	-0.1119	-34	37	67	QIDAGSGSVVGVNDLNQ AFVLQDDVFNPVSR					Mascot

2	hypothetical protein LOC100126125 [Danio rerio]	gi 157954494	28143.8	6.78	4	521	100	504	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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				Seq.	Seq.	Score							
	1048.6189	1048.5802	-0.0387	-37	96	104	FVQFPGLLK	45	99.092				Mascot
	1048.6189	1048.5802	-0.0387	-37	96	104	FVQFPGLLK						Mascot
	2041.8167	2041.7416	-0.0751	-37	150	166	YYSCGPYSCWGVNSAD R	153	100	Carbamidomethyl (C)[4,9]			Mascot
	2041.8167	2041.7416	-0.0751	-37	150	166	YYSCGPYSCWGVNSAD R			Carbamidomethyl (C)[4,9]			Mascot
	2282.9956	2283.0947	0.0991	43	148	166	LKYYSCGPYSCWGVNSA DR			Carbamidomethyl (C)[6,11]			Mascot
	3260.6182	3260.5063	-0.1119	-34	37	67	QIDAGSGSVVGVNDLNQ AFVLQDDVFNPVSR	306	100				Mascot
	3260.6182	3260.5063	-0.1119	-34	37	67	QIDAGSGSVVGVNDLNQ AFVLQDDVFNPVSR						Mascot
3	Zgc:136383 [Danio rerio]				gi 92097636		28809.9	9.33	10	519	100	465	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4152	-0.0305	-37	136	142	QYAVFAK					Mascot
960.4785	960.4435	-0.035	-36	156	162	LEVEWER	46	99.34			Mascot
960.4785	960.4435	-0.035	-36	156	162	LEVEWER					Mascot
984.4243	984.3875	-0.0368	-37	128	135	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1045.5465	1045.5255	-0.021	-20	246	253	DFLSWIHK					Mascot
1151.5725	1151.4506	-0.1219	-106	2	12	LPLSSSMSSSR					Mascot
1303.6641	1303.6194	-0.0447	-34	143	155	AEAGVLGEYPAAR					Mascot
1303.6641	1303.6194	-0.0447	-34	143	155	AEAGVLGEYPAAR	82	100			Mascot
1383.6725	1383.5879	-0.0846	-61	124	135	VTAKFSWGAECK			Carbamidomethyl (C)[11]		Mascot
1403.6953	1403.6459	-0.0494	-35	177	188	YILNAAYDTGFR	94	100			Mascot
1403.6953	1403.6459	-0.0494	-35	177	188	YILNAAYDTGFR					Mascot
1642.9315	1642.8739	-0.0576	-35	59	73	FLGNDIPPVFIIAR					Mascot
1642.9315	1642.8739	-0.0576	-35	59	73	FLGNDIPPVFIIAR	112	100			Mascot
1826.9799	1826.9142	-0.0657	-36	81	96	LLGYQLAAYFDKPTAR	131	100			Mascot
1826.9799	1826.9142	-0.0657	-36	81	96	LLGYQLAAYFDKPTAR					Mascot

4 hypothetical protein LOC678536 [Danio rerio] gi|160420306 148750.2 8.89 19 519 100 465 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4152	-0.0305	-37	1236	1242	QYAVFAK					Mascot
864.4461	864.4617	0.0156	18	87	94	DSFVPATK					Mascot

	960.4785	960.4435	-0.035	-36	1256	1262	LEVEWER	46	99.34		Mascot
	960.4785	960.4435	-0.035	-36	1256	1262	LEVEWER				Mascot
	984.4243	984.3875	-0.0368	-37	1228	1235	FSWGAECK			Carbamidomethyl (C)[7]	Mascot
	992.5015	992.431	-0.0705	-71	615	622	LMNCKLDR				Mascot
	1045.5465	1045.5255	-0.021	-20	1346	1353	DFLSWIHK				Mascot
	1070.4861	1070.5594	0.0733	68	921	929	NIEDHSAER				Mascot
	1226.6991	1226.6429	-0.0562	-46	472	482	NDIPEITLALK				Mascot
	1303.6641	1303.6194	-0.0447	-34	1243	1255	AEAGVLGEYPAAR				Mascot
	1303.6641	1303.6194	-0.0447	-34	1243	1255	AEAGVLGEYPAAR	82	100		Mascot
	1383.6725	1383.5879	-0.0846	-61	1224	1235	VTAKFSWGAECK			Carbamidomethyl (C)[11]	Mascot
	1388.7017	1388.6667	-0.035	-25	694	706	SPAADESVDRITK				Mascot
	1395.73	1395.6329	-0.0971	-70	433	445	EVAMLYGYSLIAR			Oxidation (M)[4]	Mascot
	1403.6953	1403.6459	-0.0494	-35	1277	1288	YILNAAYDTGFR	94	100		Mascot
	1403.6953	1403.6459	-0.0494	-35	1277	1288	YILNAAYDTGFR				Mascot
	1412.7494	1412.6638	-0.0856	-61	969	980	TLCYAVPYIEIK				Mascot
	1642.9315	1642.8739	-0.0576	-35	1159	1173	FLGNDIPPVFIIAR				Mascot
	1642.9315	1642.8739	-0.0576	-35	1159	1173	FLGNDIPPVFIIAR	112	100		Mascot
	1698.8666	1698.8046	-0.062	-36	483	498	VMGNAGHPSSLKPIMK			Oxidation (M)[2,15]	Mascot
	1796.8928	1796.8737	-0.0191	-11	72	86	LMDPLLYEYAGTWPK				Mascot
	1826.9799	1826.9142	-0.0657	-36	1181	1196	LLGYQLAAYFDKPTAR	131	100		Mascot
	1826.9799	1826.9142	-0.0657	-36	1181	1196	LLGYQLAAYFDKPTAR				Mascot
	2233.2009	2233.0059	-0.195	-87	593	614	SLTRITAPDMAYVAGAAN VAIK				Mascot

5 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733733 149143.4 8.92 19 518 100 465 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4152	-0.0305	-37	1240	1246	QYAVFAK					Mascot
864.4461	864.4617	0.0156	18	91	98	DSFVPATK					Mascot
960.4785	960.4435	-0.035	-36	1260	1266	LEVEWER	46	99.34			Mascot
960.4785	960.4435	-0.035	-36	1260	1266	LEVEWER					Mascot
984.4243	984.3875	-0.0368	-37	1232	1239	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
992.5015	992.431	-0.0705	-71	619	626	LMNCKLDR					Mascot
1045.5465	1045.5255	-0.021	-20	1350	1357	DFLSWIHK					Mascot
1070.4861	1070.5594	0.0733	68	925	933	NIEDHSAER					Mascot
1226.6991	1226.6429	-0.0562	-46	476	486	NDIPEITLALK					Mascot
1303.6641	1303.6194	-0.0447	-34	1247	1259	AEAGVLGEYPAAR					Mascot

1303.6641	1303.6194	-0.0447	-34	1247	1259	AEAGVLGEYPAAR	82	100		Mascot
1383.6725	1383.5879	-0.0846	-61	1228	1239	VTAKFSWGAECK			Carbamidomethyl (C)[11]	Mascot
1388.7017	1388.6667	-0.035	-25	698	710	SPAADESVDRITK				Mascot
1395.73	1395.6329	-0.0971	-70	437	449	EVAMLGYSGLIAR			Oxidation (M)[4]	Mascot
1403.6953	1403.6459	-0.0494	-35	1281	1292	YILNAAYDTGFR	94	100		Mascot
1403.6953	1403.6459	-0.0494	-35	1281	1292	YILNAAYDTGFR				Mascot
1412.7494	1412.6638	-0.0856	-61	973	984	TLCYAVPYIEIK				Mascot
1642.9315	1642.8739	-0.0576	-35	1163	1177	FLGNDIPPVFIIAR				Mascot
1642.9315	1642.8739	-0.0576	-35	1163	1177	FLGNDIPPVFIIAR	112	100		Mascot
1698.8666	1698.8046	-0.062	-36	487	502	VMGNAGHPSSLKPIMK			Oxidation (M)[2,15]	Mascot
1796.8928	1796.8737	-0.0191	-11	76	90	LMDPLLYEYAGTWPK				Mascot
1826.9799	1826.9142	-0.0657	-36	1185	1200	LLGYQLAAYFDKPTAR	131	100		Mascot
1826.9799	1826.9142	-0.0657	-36	1185	1200	LLGYQLAAYFDKPTAR				Mascot
2233.2009	2233.0059	-0.195	-87	597	618	SLTRITAPDMAYVAGAAN VAIK				Mascot

6 Zgc:136383 protein [Danio rerio] gi|159155252 123957.1 8.78 16 502 100 465 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4152	-0.0305	-37	1013	1019	QYAVFAK					Mascot
960.4785	960.4435	-0.035	-36	1033	1039	LEVEWER	46	99.34			Mascot
960.4785	960.4435	-0.035	-36	1033	1039	LEVEWER					Mascot
984.4243	984.3875	-0.0368	-37	1005	1012	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
992.5015	992.431	-0.0705	-71	392	399	LMNCKLDR					Mascot
1045.5465	1045.5255	-0.021	-20	1123	1130	DFLSWIHK					Mascot
1070.4861	1070.5594	0.0733	68	698	706	NIEDHSAER					Mascot
1303.6641	1303.6194	-0.0447	-34	1020	1032	AEAGVLGEYPAAR					Mascot
1303.6641	1303.6194	-0.0447	-34	1020	1032	AEAGVLGEYPAAR	82	100			Mascot
1383.6725	1383.5879	-0.0846	-61	1001	1012	VTAKFSWGAECK			Carbamidomethyl (C)[11]		Mascot
1388.7017	1388.6667	-0.035	-25	471	483	SPAADESVDRITK					Mascot
1395.73	1395.6329	-0.0971	-70	210	222	EVAMLGYSGLIAR			Oxidation (M)[4]		Mascot
1403.6953	1403.6459	-0.0494	-35	1054	1065	YILNAAYDTGFR	94	100			Mascot
1403.6953	1403.6459	-0.0494	-35	1054	1065	YILNAAYDTGFR					Mascot
1412.7494	1412.6638	-0.0856	-61	746	757	TLCYAVPYIEIK					Mascot
1642.9315	1642.8739	-0.0576	-35	936	950	FLGNDIPPVFIIAR					Mascot
1642.9315	1642.8739	-0.0576	-35	936	950	FLGNDIPPVFIIAR	112	100			Mascot

	1698.8666	1698.8046	-0.062	-36	260	275	VMGNAGHPSSLKPIMK				Oxidation (M)[2,15]	Mascot
	1826.9799	1826.9142	-0.0657	-36	958	973	LLGYQLAAYFDKPTAR	131	100			Mascot
	1826.9799	1826.9142	-0.0657	-36	958	973	LLGYQLAAYFDKPTAR					Mascot
	2233.2009	2233.0059	-0.195	-87	370	391	SLTRITAPDMAYVAGAAN VAIK					Mascot

7 vitellogenin 4 [Danio rerio] gi|57864783 31189.9 9.48 8 499 100 465 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4152	-0.0305	-37	162	168	QYAVFAK					Mascot
960.4785	960.4435	-0.035	-36	182	188	LEVEWER	46	99.34			Mascot
960.4785	960.4435	-0.035	-36	182	188	LEVEWER					Mascot
984.4243	984.3875	-0.0368	-37	154	161	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1303.6641	1303.6194	-0.0447	-34	169	181	AEAGVLGEYPAAR					Mascot
1303.6641	1303.6194	-0.0447	-34	169	181	AEAGVLGEYPAAR	82	100			Mascot
1383.6725	1383.5879	-0.0846	-61	150	161	VTAKFSWGAECK			Carbamidomethyl (C)[11]		Mascot
1403.6953	1403.6459	-0.0494	-35	203	214	YILNAAYDTGFR	94	100			Mascot
1403.6953	1403.6459	-0.0494	-35	203	214	YILNAAYDTGFR					Mascot
1642.9315	1642.8739	-0.0576	-35	85	99	FLGNDIPPVFIIAR					Mascot
1642.9315	1642.8739	-0.0576	-35	85	99	FLGNDIPPVFIIAR	112	100			Mascot
1826.9799	1826.9142	-0.0657	-36	107	122	LLGYQLAAYFDKPTAR	131	100			Mascot
1826.9799	1826.9142	-0.0657	-36	107	122	LLGYQLAAYFDKPTAR					Mascot

8 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733734 149808.5 8.83 21 436 100 371 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4152	-0.0305	-37	1245	1251	QYAVFAK					Mascot
853.4526	853.3942	-0.0584	-68	320	326	HLVENNK					Mascot
864.4461	864.4617	0.0156	18	91	98	DSFVPATK					Mascot
960.4785	960.4435	-0.035	-36	1265	1271	LEVEWER	46	99.34			Mascot
960.4785	960.4435	-0.035	-36	1265	1271	LEVEWER					Mascot
984.4243	984.3875	-0.0368	-37	1237	1244	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
992.5015	992.431	-0.0705	-71	619	626	LMNCKLDR					Mascot
1070.4861	1070.5594	0.0733	68	925	933	NIEDHSAER					Mascot
1226.6991	1226.6429	-0.0562	-46	476	486	NDIPEITLALK					Mascot
1303.6641	1303.6194	-0.0447	-34	1252	1264	AEAGVLGEYPAAR					Mascot

	1303.6641	1303.6194	-0.0447	-34	1252	1264	AEAGVLGEYPAAR	82	100		Mascot		
	1327.7216	1327.6736	-0.048	-36	1307	1318	EIELTAALPSQR				Mascot		
	1383.6725	1383.5879	-0.0846	-61	1233	1244	VTAKFSWGAECK		Carbamidomethyl (C)[11]		Mascot		
	1388.7017	1388.6667	-0.035	-25	698	710	SPAADESVDRITK				Mascot		
	1395.7301	1395.6329	-0.0972	-70	196	207	IMKDVGLAYTER				Mascot		
	1400.6627	1400.6134	-0.0493	-35	1286	1297	CILNAAYDTGFR		Carbamidomethyl (C)[1]		Mascot		
	1412.7494	1412.6638	-0.0856	-61	973	984	TLCYAVPYIEIK				Mascot		
	1642.9315	1642.8739	-0.0576	-35	1168	1182	FLGNDIPPVFIIAR				Mascot		
	1642.9315	1642.8739	-0.0576	-35	1168	1182	FLGNDIPPVFIIAR	112	100		Mascot		
	1698.8666	1698.8046	-0.062	-36	487	502	VMGNAGHPSSLKPIMK		Oxidation (M)[2,15]		Mascot		
	1796.8928	1796.8737	-0.0191	-11	76	90	LMDPLLYEYAGTWPK				Mascot		
	1826.9799	1826.9142	-0.0657	-36	1190	1205	LLGYQLAAYFDKPTAR	131	100		Mascot		
	1826.9799	1826.9142	-0.0657	-36	1190	1205	LLGYQLAAYFDKPTAR				Mascot		
	1958.0189	1957.9463	-0.0726	-37	1301	1318	ATNSEKEIELTAALPSQR				Mascot		
	2233.2009	2233.0059	-0.195	-87	597	618	SLTRITAPDMAYVAGAAN VAIK				Mascot		
9	vitellogenin 6 [Danio rerio]				gi 303227889		150936.1	8.84	21	435	100	371	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4152	-0.0305	-37	1256	1262	QYAVFAK					Mascot
853.4526	853.3942	-0.0584	-68	327	333	HLVENNK					Mascot
864.4461	864.4617	0.0156	18	98	105	DSFVPATK					Mascot
960.4785	960.4435	-0.035	-36	1276	1282	LEVEWER	46	99.34			Mascot
960.4785	960.4435	-0.035	-36	1276	1282	LEVEWER					Mascot
984.4243	984.3875	-0.0368	-37	1248	1255	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
992.5015	992.431	-0.0705	-71	626	633	LMNCKLDR					Mascot
1070.4861	1070.5594	0.0733	68	932	940	NIEDHSAER					Mascot
1226.6991	1226.6429	-0.0562	-46	483	493	NDIPEITLALK					Mascot
1303.6641	1303.6194	-0.0447	-34	1263	1275	AEAGVLGEYPAAR					Mascot
1303.6641	1303.6194	-0.0447	-34	1263	1275	AEAGVLGEYPAAR	82	100			Mascot
1327.7216	1327.6736	-0.048	-36	1318	1329	EIELTAALPSQR					Mascot
1383.6725	1383.5879	-0.0846	-61	1244	1255	VTAKFSWGAECK			Carbamidomethyl (C)[11]		Mascot
1388.7017	1388.6667	-0.035	-25	705	717	SPAADESVDRITK					Mascot
1395.7301	1395.6329	-0.0972	-70	203	214	IMKDVGLAYTER					Mascot
1400.6627	1400.6134	-0.0493	-35	1297	1308	CILNAAYDTGFR			Carbamidomethyl (C)[1]		Mascot
1412.7494	1412.6638	-0.0856	-61	980	991	TLCYAVPYIEIK					Mascot

	1642.9315	1642.8739	-0.0576	-35	1179	1193	FLGNDIPPVFIIAR									Mascot
	1642.9315	1642.8739	-0.0576	-35	1179	1193	FLGNDIPPVFIIAR	112	100							Mascot
	1698.8666	1698.8046	-0.062	-36	494	509	VMGNAGHPSSLKPIMK			Oxidation (M)[2,15]						Mascot
	1796.8928	1796.8737	-0.0191	-11	83	97	LMDPLLYEYAGTWPK									Mascot
	1826.9799	1826.9142	-0.0657	-36	1201	1216	LLGYQLAAYFDKPTAR	131	100							Mascot
	1826.9799	1826.9142	-0.0657	-36	1201	1216	LLGYQLAAYFDKPTAR									Mascot
	1958.0189	1957.9463	-0.0726	-37	1312	1329	ATNSEKEIELTAALPSQR									Mascot
	2233.2009	2233.0059	-0.195	-87	604	625	SLTRITAPDMAYVAGAAN VAIK									Mascot
10	vitellogenin 6 [Danio rerio]				gi 57864787		38968.8	8.92	10	420	100	371	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
826.4457	826.4152	-0.0305	-37	235	241	QYAVFAK						Mascot
960.4785	960.4435	-0.035	-36	255	261	LEVEWER	46	99.34				Mascot
960.4785	960.4435	-0.035	-36	255	261	LEVEWER						Mascot
984.4243	984.3875	-0.0368	-37	227	234	FSWGAECK				Carbamidomethyl (C)[7]		Mascot
1303.6641	1303.6194	-0.0447	-34	242	254	AEAGVLGEYPAAR						Mascot
1303.6641	1303.6194	-0.0447	-34	242	254	AEAGVLGEYPAAR	82	100				Mascot
1327.7216	1327.6736	-0.048	-36	297	308	EIELTAALPSQR						Mascot
1383.6725	1383.5879	-0.0846	-61	223	234	VTAKFSWGAECK				Carbamidomethyl (C)[11]		Mascot
1400.6627	1400.6134	-0.0493	-35	276	287	CILNAAYDTGFR				Carbamidomethyl (C)[1]		Mascot
1642.9315	1642.8739	-0.0576	-35	158	172	FLGNDIPPVFIIAR						Mascot
1642.9315	1642.8739	-0.0576	-35	158	172	FLGNDIPPVFIIAR	112	100				Mascot
1826.9799	1826.9142	-0.0657	-36	180	195	LLGYQLAAYFDKPTAR	131	100				Mascot
1826.9799	1826.9142	-0.0657	-36	180	195	LLGYQLAAYFDKPTAR						Mascot
1958.0189	1957.9463	-0.0726	-37	291	308	ATNSEKEIELTAALPSQR						Mascot

11	vitellogenin 1 [Danio rerio]				gi 166795887		149452.5	8.68	20	405	100	345	100			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
826.4457	826.4152	-0.0305	-37	1238	1244	QYAVFAK						Mascot
960.4785	960.4435	-0.035	-36	1258	1264	LEVEWER	46	99.34				Mascot
960.4785	960.4435	-0.035	-36	1258	1264	LEVEWER						Mascot
984.4243	984.3875	-0.0368	-37	1230	1237	FSWGAECK				Carbamidomethyl (C)[7]		Mascot
992.5015	992.431	-0.0705	-71	615	622	LMNCKLDR						Mascot

[illegible]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4152	-0.0305	-37	1240	1246	QYAVFAK					Mascot
960.4785	960.4435	-0.035	-36	1260	1266	LEVEWER	46	99.34			Mascot
960.4785	960.4435	-0.035	-36	1260	1266	LEVEWER					Mascot
984.4243	984.3875	-0.0368	-37	1232	1239	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
992.5015	992.431	-0.0705	-71	619	626	LMNCKLDR					Mascot
1070.4861	1070.5594	0.0733	68	925	933	NIEDHSAER					Mascot
1226.6991	1226.6429	-0.0562	-46	476	486	NDIPEITLALK					Mascot
1303.6641	1303.6194	-0.0447	-34	1247	1259	AEAGVLGEYPAAR					Mascot
1303.6641	1303.6194	-0.0447	-34	1247	1259	AEAGVLGEYPAAR	82	100			Mascot
1395.7301	1395.6329	-0.0972	-70	196	207	IMKDVGLAYTER					Mascot
1412.7494	1412.6638	-0.0856	-61	973	984	TLCYAVPYIEIK					Mascot

	1642.9315	1642.8739	-0.0576	-35	1163	1177	FLGNDIPPVFIIAR										Mascot
	1642.9315	1642.8739	-0.0576	-35	1163	1177	FLGNDIPPVFIIAR	112	100								Mascot
	1698.8666	1698.8046	-0.062	-36	487	502	VMGNAGHPSSLKPIMK			Oxidation (M)[2,15]							Mascot
	1826.9799	1826.9142	-0.0657	-36	1185	1200	LLGYQLAAYFDKPTAR	131	100								Mascot
	1826.9799	1826.9142	-0.0657	-36	1185	1200	LLGYQLAAYFDKPTAR										Mascot
	1950.9491	1950.7356	-0.2135	-109	320	336	HLVANNKDMVHDDAPFK										Mascot
	1950.9491	1950.7356	-0.2135	-109	320	336	HLVANNKDMVHDDAPFK										Mascot
	2041.943	2041.7416	-0.2014	-99	150	167	KTQNIYEMQEAGAQQVC R			Oxidation (M)[8]							Mascot
	2041.943	2041.7416	-0.2014	-99	150	167	KTQNIYEMQEAGAQQVC R			Oxidation (M)[8]							Mascot
	2055.0249	2054.905	-0.1199	-58	58	75	VSSKVHLSAMTENTYLM K			Oxidation (M)[10]							Mascot
	2071.0198	2070.9014	-0.1184	-57	58	75	VSSKVHLSAMTENTYLM K			Oxidation (M)[10,17]							Mascot
13	Vtg1 protein [Danio rerio]				gi 63100501		36409.1	9.23	11	404	100	345	100				

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	826.4457	826.4152	-0.0305	-37	198	204	QYAVFAK					Mascot
	960.4785	960.4435	-0.035	-36	218	224	LEVEWER	46	99.34			Mascot
	960.4785	960.4435	-0.035	-36	218	224	LEVEWER					Mascot
	984.4243	984.3875	-0.0368	-37	190	197	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
	1287.6691	1287.6245	-0.0446	-35	205	217	AEAGVLGEFPAAR	56	99.936			Mascot
	1287.6691	1287.6245	-0.0446	-35	205	217	AEAGVLGEFPAAR					Mascot
	1327.7216	1327.6736	-0.048	-36	260	271	EIELTAALPSQR					Mascot
	1364.6957	1364.6472	-0.0485	-36	239	250	HILTAAYDTGFR					Mascot
	1383.7743	1383.5879	-0.1864	-135	13	24	VWPEQVLKSAAR					Mascot
	1642.9315	1642.8739	-0.0576	-35	121	135	FLGNDIPPVFIIAR					Mascot
	1642.9315	1642.8739	-0.0576	-35	121	135	FLGNDIPPVFIIAR	112	100			Mascot
	1796.9078	1796.8737	-0.0341	-19	239	253	HILTAAYDTGFRFER					Mascot
	1826.9799	1826.9142	-0.0657	-36	143	158	LLGYQLAAYFDKPTAR	131	100			Mascot
	1826.9799	1826.9142	-0.0657	-36	143	158	LLGYQLAAYFDKPTAR					Mascot
	1958.0189	1957.9463	-0.0726	-37	254	271	ATNSEKEIELTAALPSQR					Mascot

14	Vtg1 protein [Danio rerio]				gi 145337918		116565.5	9.07	17	397	100	345	100				
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	826.4457	826.4152	-0.0305	-37	944	950	QYAVFAK										Mascot
	960.4785	960.4435	-0.035	-36	964	970	LEVEWER	46	99.34								Mascot
	960.4785	960.4435	-0.035	-36	964	970	LEVEWER										Mascot
	984.4243	984.3875	-0.0368	-37	936	943	FSWGAECK			Carbamidomethyl (C)[7]							Mascot
	1070.4861	1070.5594	0.0733	68	627	635	NIEDHSAER										Mascot
	1226.6991	1226.6429	-0.0562	-46	178	188	NDIPEITLALK										Mascot
	1287.6691	1287.6245	-0.0446	-35	951	963	AEAGVLGEFPAAR	56	99.936								Mascot
	1287.6691	1287.6245	-0.0446	-35	951	963	AEAGVLGEFPAAR										Mascot
	1327.7216	1327.6736	-0.048	-36	1006	1017	EIELTAALPSQR										Mascot
	1364.6957	1364.6472	-0.0485	-36	985	996	HILTAAYDTGFR										Mascot
	1395.7551	1395.6329	-0.1222	-88	139	151	EVVMLGYGSLIAK			Oxidation (M)[4]							Mascot
	1412.7494	1412.6638	-0.0856	-61	675	686	TLCYAVPYIEIK										Mascot
	1642.9315	1642.8739	-0.0576	-35	867	881	FLGNDIPPVFIIAR										Mascot
	1642.9315	1642.8739	-0.0576	-35	867	881	FLGNDIPPVFIIAR	112	100								Mascot
	1698.8666	1698.8046	-0.062	-36	189	204	VMGNAGHPSSLKPIMK			Oxidation (M)[2,15]							Mascot
	1796.9078	1796.8737	-0.0341	-19	985	999	HILTAAYDTGFRFER										Mascot
	1826.9799	1826.9142	-0.0657	-36	889	904	LLGYQLAAYFDKPTAR	131	100								Mascot
	1826.9799	1826.9142	-0.0657	-36	889	904	LLGYQLAAYFDKPTAR										Mascot
	1859.9109	1859.7288	-0.1821	-98	283	298	IEPNMHVASFAYSHIK			Oxidation (M)[5]							Mascot
	1958.0189	1957.9463	-0.0726	-37	1000	1017	ATNSEKEIELTAALPSQR										Mascot
	1982.9388	1982.7285	-0.2103	-106	22	38	HLVSNNKDMVHDDAPFK			Oxidation (M)[9]							Mascot
15	Vtg5 protein [Danio rerio]				gi 148744685		27543.3	9.2	6	395	100	371	100				

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	826.4457	826.4152	-0.0305	-37	124	130	QYAVFAK					Mascot
	960.4785	960.4435	-0.035	-36	144	150	LEVEWER	46	99.34			Mascot
	960.4785	960.4435	-0.035	-36	144	150	LEVEWER					Mascot
	984.4243	984.3875	-0.0368	-37	116	123	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
	1303.6641	1303.6194	-0.0447	-34	131	143	AEAGVLGEYPAAR					Mascot
	1303.6641	1303.6194	-0.0447	-34	131	143	AEAGVLGEYPAAR	82	100			Mascot
	1642.9315	1642.8739	-0.0576	-35	47	61	FLGNDIPPVFIIAR					Mascot
	1642.9315	1642.8739	-0.0576	-35	47	61	FLGNDIPPVFIIAR	112	100			Mascot
	1826.9799	1826.9142	-0.0657	-36	69	84	LLGYQLAAYFDKPTAR	131	100			Mascot
	1826.9799	1826.9142	-0.0657	-36	69	84	LLGYQLAAYFDKPTAR					Mascot

16 vitellogenin 7 [Danio rerio] gi|57864789 24318.7 8.37 8 394 100 345 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4152	-0.0305	-37	93	99 QYAVFAK					Mascot
855.4359	855.4064	-0.0295	-34	167	173 SFDFIAR					Mascot
900.421	900.3904	-0.0306	-34	138	145 AAYDTGFR					Mascot
960.4785	960.4435	-0.035	-36	113	119 LEVEWER	46	99.34			Mascot
960.4785	960.4435	-0.035	-36	113	119 LEVEWER					Mascot
984.4243	984.3875	-0.0368	-37	85	92 FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1287.6691	1287.6245	-0.0446	-35	100	112 AEAGVLGEFPAAR	56	99.936			Mascot
1287.6691	1287.6245	-0.0446	-35	100	112 AEAGVLGEFPAAR					Mascot
1642.9315	1642.8739	-0.0576	-35	16	30 FLGNDLPPVFALLAR					Mascot
1642.9315	1642.8739	-0.0576	-35	16	30 FLGNDLPPVFALLAR	112	100			Mascot
1826.9799	1826.9142	-0.0657	-36	38	53 LLGYQLAAYFDKPTAR	131	100			Mascot
1826.9799	1826.9142	-0.0657	-36	38	53 LLGYQLAAYFDKPTAR					Mascot

17 vitellogenin 1 [Danio rerio] gi|21391472 127954.2 8.69 17 394 100 345 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4152	-0.0305	-37	1045	1051 QYAVFAK					Mascot
960.4785	960.4435	-0.035	-36	1065	1071 LEVEWER	46	99.34			Mascot
960.4785	960.4435	-0.035	-36	1065	1071 LEVEWER					Mascot
984.4243	984.3875	-0.0368	-37	1037	1044 FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1070.4861	1070.5594	0.0733	68	730	738 NIEDHSAER					Mascot
1226.6991	1226.6429	-0.0562	-46	281	291 NDIPEITLALK					Mascot
1287.6691	1287.6245	-0.0446	-35	1052	1064 AEAGVLGEFPAAR	56	99.936			Mascot
1287.6691	1287.6245	-0.0446	-35	1052	1064 AEAGVLGEFPAAR					Mascot
1327.7216	1327.6736	-0.048	-36	1107	1118 EIELTAALPSQR					Mascot
1364.6957	1364.6472	-0.0485	-36	1086	1097 HILTAAYDTGFR					Mascot
1395.7301	1395.6329	-0.0972	-70	1	12 IMKDVGLAYTER					Mascot
1412.7494	1412.6638	-0.0856	-61	778	789 TLCYAVPYIEIK					Mascot
1642.9315	1642.8739	-0.0576	-35	968	982 FLGNDIPPVFALLAR					Mascot
1642.9315	1642.8739	-0.0576	-35	968	982 FLGNDIPPVFALLAR	112	100			Mascot
1698.8666	1698.8046	-0.062	-36	292	307 VMGNAGHPSSLKPIMK			Oxidation (M)[2,15]		Mascot

	1796.9078	1796.8737	-0.0341	-19	1086	1100	HILTAAYDTGFRFER									Mascot
	1826.9799	1826.9142	-0.0657	-36	990	1005	LLGYQLAAYFDKPTAR	131	100							Mascot
	1826.9799	1826.9142	-0.0657	-36	990	1005	LLGYQLAAYFDKPTAR									Mascot
	1859.9109	1859.7288	-0.1821	-98	386	401	IEPNMHVASFAYSHIK			Oxidation (M)[5]						Mascot
	1958.0189	1957.9463	-0.0726	-37	1101	1118	ATNSEKEIELTAALPSQR									Mascot
	1982.9388	1982.7285	-0.2103	-106	125	141	HLVSNNKDMVHDDAPFK			Oxidation (M)[9]						Mascot

18 vitellogenin 1 [Danio rerio] gi|94733730 149140.4 8.74 18 392 100 345 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4152	-0.0305	-37	1238	1244	QYAVFAK					Mascot
960.4785	960.4435	-0.035	-36	1258	1264	LEVEWER	46	99.34			Mascot
960.4785	960.4435	-0.035	-36	1258	1264	LEVEWER					Mascot
984.4243	984.3875	-0.0368	-37	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1070.4861	1070.5594	0.0733	68	921	929	NIEDHSAER					Mascot
1226.6991	1226.6429	-0.0562	-46	472	482	NDIPEITLALK					Mascot
1287.6691	1287.6245	-0.0446	-35	1245	1257	AEAGVLGEFPAAR	56	99.936			Mascot
1287.6691	1287.6245	-0.0446	-35	1245	1257	AEAGVLGEFPAAR					Mascot
1327.7216	1327.6736	-0.048	-36	1300	1311	EIELTAALPSQR					Mascot
1364.6957	1364.6472	-0.0485	-36	1279	1290	HILTAAYDTGFR					Mascot
1395.7301	1395.6329	-0.0972	-70	192	203	IMKDVGLAYTER					Mascot
1412.7494	1412.6638	-0.0856	-61	969	980	TLCYAVPYIEIK					Mascot
1642.9315	1642.8739	-0.0576	-35	1161	1175	FLGNDIPPVFIIAR					Mascot
1642.9315	1642.8739	-0.0576	-35	1161	1175	FLGNDIPPVFIIAR	112	100			Mascot
1698.8666	1698.8046	-0.062	-36	483	498	VMGNAGHPSSLKPIMK			Oxidation (M)[2,15]		Mascot
1796.8928	1796.8737	-0.0191	-11	72	86	LMDPLLYEYAGTWPK					Mascot
1826.9799	1826.9142	-0.0657	-36	1183	1198	LLGYQLAAYFDKPTAR	131	100			Mascot
1826.9799	1826.9142	-0.0657	-36	1183	1198	LLGYQLAAYFDKPTAR					Mascot
1859.9109	1859.7288	-0.1821	-98	577	592	IEPNMHVASFAYSHIK			Oxidation (M)[5]		Mascot
1958.0189	1957.9463	-0.0726	-37	1294	1311	ATNSEKEIELTAALPSQR					Mascot
1982.9388	1982.7285	-0.2103	-106	316	332	HLVSNNKDMVHDDAPFK			Oxidation (M)[9]		Mascot
2041.943	2041.7416	-0.2014	-99	146	163	KTQNIYEMQEAGAQGVC R			Oxidation (M)[8]		Mascot
2041.943	2041.7416	-0.2014	-99	146	163	KTQNIYEMQEAGAQGVC R			Oxidation (M)[8]		Mascot

19 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94732723 147084.2 8.73 16 382 100 345 100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification	Rank	Result Type	
	826.4457	826.4152	-0.0305	-37	1219	1225 QYAVFAK						Mascot	
	855.4359	855.4064	-0.0295	-34	1293	1299 SFDFIAR						Mascot	
	900.421	900.3904	-0.0306	-34	1264	1271 AAYDTGFR						Mascot	
	960.4785	960.4435	-0.035	-36	1239	1245 LEVEWER		46	99.34			Mascot	
	960.4785	960.4435	-0.035	-36	1239	1245 LEVEWER						Mascot	
	984.4243	984.3875	-0.0368	-37	1211	1218 FSWGAECK				Carbamidomethyl (C)[7]		Mascot	
	1070.4861	1070.5594	0.0733	68	921	929 NIEDHSAER						Mascot	
	1226.6991	1226.6429	-0.0562	-46	472	482 NDIPEITLALK						Mascot	
	1279.5067	1279.559	0.0523	41	1098	1110 SSSSSSSSMSSSR				Oxidation (M)[9]		Mascot	
	1287.6691	1287.6245	-0.0446	-35	1226	1238 AEAGVLGEFPAAR		56	99.936			Mascot	
	1287.6691	1287.6245	-0.0446	-35	1226	1238 AEAGVLGEFPAAR						Mascot	
	1395.7551	1395.6329	-0.1222	-88	433	445 EVVMLGYGSLIAK				Oxidation (M)[4]		Mascot	
	1642.9315	1642.8739	-0.0576	-35	1142	1156 FLGNDLPPVFIIAR						Mascot	
	1642.9315	1642.8739	-0.0576	-35	1142	1156 FLGNDLPPVFIIAR		112	100			Mascot	
	1698.8666	1698.8046	-0.062	-36	483	498 VMGNAGHPSSLKPIMK				Oxidation (M)[2,15]		Mascot	
	1796.8928	1796.8737	-0.0191	-11	72	86 LMDPLLYEYAGTWPK						Mascot	
	1826.9799	1826.9142	-0.0657	-36	1164	1179 LLGYQLAAYFDKPTAR		131	100			Mascot	
	1826.9799	1826.9142	-0.0657	-36	1164	1179 LLGYQLAAYFDKPTAR						Mascot	
	1859.9109	1859.7288	-0.1821	-98	577	592 IEPNMHVASFAYSHIK				Oxidation (M)[5]		Mascot	
	2063.9954	2063.7258	-0.2696	-131	1039	1056 QMNIIDDDTPEGQAFLK				Oxidation (M)[2]		Mascot	
20	vitellogenin 5 [Danio rerio]				gi 57864785		72820.8	9	7	381	100	371	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	826.4457	826.4152	-0.0305	-37	544	550 QYAVFAK					Mascot
	960.4785	960.4435	-0.035	-36	564	570 LEVEWER	46	99.34			Mascot
	960.4785	960.4435	-0.035	-36	564	570 LEVEWER					Mascot
	984.4243	984.3875	-0.0368	-37	536	543 FSWGAECK			Carbamidomethyl (C)[7]		Mascot
	1303.6641	1303.6194	-0.0447	-34	551	563 AEAGVLGEYPAAR					Mascot
	1303.6641	1303.6194	-0.0447	-34	551	563 AEAGVLGEYPAAR	82	100			Mascot
	1412.7494	1412.6638	-0.0856	-61	278	289 TLCYAVPYIEIK					Mascot
	1642.9315	1642.8739	-0.0576	-35	467	481 FLGNDIPPVFIIAR					Mascot
	1642.9315	1642.8739	-0.0576	-35	467	481 FLGNDIPPVFIIAR	112	100			Mascot
	1826.9799	1826.9142	-0.0657	-36	489	504 LLGYQLAAYFDKPTAR	131	100			Mascot

Mascot

21	vitellogenin 7 [Danio rerio]	qi 156713467	148739.2	8.76	16	381	100	345	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
826.4457	826.4152	-0.0305	-37	1234	1240 QYAVFAK				Mascot
855.4359	855.4064	-0.0295	-34	1308	1314 SFDFIAR				Mascot
900.421	900.3904	-0.0306	-34	1279	1286 AAYDTGFR				Mascot
960.4785	960.4435	-0.035	-36	1254	1260 LEVEWER	46	99.34		Mascot
960.4785	960.4435	-0.035	-36	1254	1260 LEVEWER				Mascot
984.4243	984.3875	-0.0368	-37	1226	1233 FSWGAECK		Carbamidomethyl (C)[7]		Mascot
1070.4861	1070.5594	0.0733	68	921	929 NIEDHSAER				Mascot
1226.6991	1226.6429	-0.0562	-46	472	482 NDIPEITLALK				Mascot
1279.5067	1279.559	0.0523	41	1098	1110 SSSSSSSSMSSSR		Oxidation (M)[9]		Mascot
1287.6691	1287.6245	-0.0446	-35	1241	1253 AEAGVLGEFPAAR	56	99.936		Mascot
1287.6691	1287.6245	-0.0446	-35	1241	1253 AEAGVLGEFPAAR				Mascot
1395.7551	1395.6329	-0.1222	-88	433	445 EVVMLGYGSLIAK		Oxidation (M)[4]		Mascot
1642.9315	1642.8739	-0.0576	-35	1157	1171 FLGNDLPPVFALIAK				Mascot
1642.9315	1642.8739	-0.0576	-35	1157	1171 FLGNDLPPVFALIAK	112	100		Mascot
1698.8666	1698.8046	-0.062	-36	483	498 VMGNAGHPSSLKPIMK		Oxidation (M)[2,15]		Mascot
1796.8928	1796.8737	-0.0191	-11	72	86 LMDPLLYEYAGTWPK				Mascot
1826.9799	1826.9142	-0.0657	-36	1179	1194 LLGYQLAAYFDKPTAR	131	100		Mascot
1826.9799	1826.9142	-0.0657	-36	1179	1194 LLGYQLAAYFDKPTAR				Mascot
1859.9109	1859.7288	-0.1821	-98	577	592 IEPNMHVASFAYSHIK		Oxidation (M)[5]		Mascot
2063.9954	2063.7258	-0.2696	-131	1039	1056 QMNIIDDDTPEGQAFLK		Oxidation (M)[2]		Mascot

22	LOC561528 protein [Danio rerio]	qj111306312	31087.3	6.75	6	378	100	350	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. % Modification	Rank	Result Type
842.3898	842.4794	0.0896	106	27	33 LYCGAMK		Carbamidomethyl (C)[3]		Mascot
1048.6189	1048.5802	-0.0387	-37	122	130 FVQFPGLLK	45	99.092		Mascot
1048.6189	1048.5802	-0.0387	-37	122	130 FVQFPGLLK				Mascot
1388.6813	1388.6667	-0.0146	-11	27	37 LYCGAMKVYQR		Carbamidomethyl (C)[3]		Mascot
1985.7793	1985.9463	0.167	84	176	192 YYSCDPYSCWGVNSAD R				Mascot
2283.9797	2284.0933	0.1136	50	174	192 LKYYSCDPYSCWGVNSA		Carbamidomethyl (C)[6]		Mascot

		3260.6182	3260.5063	-0.1119	-34	63	93	QIDAGSGSVVGVNDLNQ AFVLQDDVFNPVSR	DR	306	100			Mascot
		3260.6182	3260.5063	-0.1119	-34	63	93	QIDAGSGSVVGVNDLNQ AFVLQDDVFNPVSR						Mascot
23	PREDICTED: fish-egg lectin [Danio rerio]						gi 326671023	41361.6	5.67	3	315	100	306	100
	Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I. %	Modification	Rank	Result Type
		842.3898	842.4794	0.0896	106	125	131 LYCGAMK					Carbamidomethyl (C)[3]		Mascot
		1664.7908	1664.851	0.0602	36	105	120 ATTGEPLAESC SNKTR							Mascot
		3260.6182	3260.5063	-0.1119	-34	161	191 QIDAGSGSVVGVNDLNQ AFVLQDDVFNPVSR	306		100				Mascot
		3260.6182	3260.5063	-0.1119	-34	161	191 QIDAGSGSVVGVNDLNQ AFVLQDDVFNPVSR							Mascot
24	hypothetical protein LOC664758 [Danio rerio]						gi 90652821	11800.8	7.52	1	312	100	306	100
	Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I. %	Modification	Rank	Result Type
		3260.6182	3260.5063	-0.1119	-34	37	67 QIDAGSGSVVGVNDLNQ AFVLQDDVFNPVSR	306		100				Mascot
		3260.6182	3260.5063	-0.1119	-34	37	67 QIDAGSGSVVGVNDLNQ AFVLQDDVFNPVSR							Mascot
25	Vtg6 protein [Danio rerio]						gi 157422885	27937.4	9.18	9	287	100	240	100
	Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I. %	Modification	Rank	Result Type
		826.4457	826.4152	-0.0305	-37	129	135 QYAVFAK							Mascot
		960.4785	960.4435	-0.035	-36	149	155 LEVEWER	46		99.34				Mascot
		960.4785	960.4435	-0.035	-36	149	155 LEVEWER							Mascot
		984.4243	984.3875	-0.0368	-37	121	128 FSWGAECK					Carbamidomethyl (C)[7]		Mascot
		1303.6641	1303.6194	-0.0447	-34	136	148 AEAGVLGEYPAAR							Mascot
		1303.6641	1303.6194	-0.0447	-34	136	148 AEAGVLGEYPAAR	82		100				Mascot
		1327.7216	1327.6736	-0.048	-36	191	202 EIELTAALPSQR							Mascot
		1383.6725	1383.5879	-0.0846	-61	117	128 VTAKFSWGAECK					Carbamidomethyl (C)[11]		Mascot
		1400.6627	1400.6134	-0.0493	-35	170	181 CILNAAYDTGFR					Carbamidomethyl (C)[1]		Mascot
		1642.9315	1642.8739	-0.0576	-35	52	66 FLGNDIPPVF AIAR							Mascot
		1642.9315	1642.8739	-0.0576	-35	52	66 FLGNDIPPVF AIAR	112		100				Mascot
		1958.0189	1957.9463	-0.0726	-37	185	202 ATNSEKEIELTAALPSQR							Mascot

26 Zgc:158494 protein [Danio rerio] gi|156230815 28099.9 6.69 4 213 100 198 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1048.6189	1048.5802	-0.0387	-37	96	104	FVQFPGLLK	45	99.092			Mascot
1048.6189	1048.5802	-0.0387	-37	96	104	FVQFPGLLK					Mascot
2041.8167	2041.7416	-0.0751	-37	150	166	YYSCGPYSCWGVNSAD R	153	100	Carbamidomethyl (C)[4,9]		Mascot
2041.8167	2041.7416	-0.0751	-37	150	166	YYSCGPYSCWGVNSAD R			Carbamidomethyl (C)[4,9]		Mascot
2054.9785	2054.905	-0.0735	-36	220	238	SNPAGTDWISMIACPIGH K			Carbamidomethyl (C)[14]		Mascot
2070.9736	2070.9014	-0.0722	-35	220	238	SNPAGTDWISMIACPIGH K			Carbamidomethyl (C)[14], Oxidation (M)[11]		Mascot
2282.9956	2283.0947	0.0991	43	148	166	LKYYSCGPYSCWGVNSA DR			Carbamidomethyl (C)[6,11]		Mascot

27 putative galactose-binding protein [Danio rerio] gi|20385486 27965.8 6.25 2 51 65.456 45 99.092

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1048.6189	1048.5802	-0.0387	-37	96	104	FVQFPGLLK	45	99.092			Mascot
1048.6189	1048.5802	-0.0387	-37	96	104	FVQFPGLLK					Mascot
2054.9785	2054.905	-0.0735	-36	220	238	SNPAGTDWISMIACPIGH K			Carbamidomethyl (C)[14]		Mascot
2070.9736	2070.9014	-0.0722	-35	220	238	SNPAGTDWISMIACPIGH K			Carbamidomethyl (C)[14], Oxidation (M)[11]		Mascot

28 ADP/ATP translocase 2 [Danio rerio] gi|27545251 32742.1 9.78 10 50 56.512

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
984.4423	984.3875	-0.0548	-56	238	245	MMMQSGRK			Oxidation (M)[1]		Mascot
996.4536	996.5607	0.1071	107	237	244	RMMMQSGR					Mascot
1048.5785	1048.5802	0.0017	2	98	106	VFLDGVDKR					Mascot
1048.5785	1048.5802	0.0017	2	98	106	VFLDGVDKR					Mascot
1136.6786	1136.536	-0.1426	-125	34	43	LLLQVQHASK					Mascot
1287.6912	1287.6245	-0.0667	-52	53	63	GIMDCVVRIPK			Carbamidomethyl (C)[5]		Mascot
1287.6912	1287.6245	-0.0667	-52	53	63	GIMDCVVRIPK			Carbamidomethyl (C)[5]		Mascot
1303.686	1303.6194	-0.0666	-51	53	63	GIMDCVVRIPK			Carbamidomethyl (C)[5], Oxidation (M)[3]		Mascot
1303.686	1303.6194	-0.0666	-51	53	63	GIMDCVVRIPK			Carbamidomethyl (C)[5], Oxidation (M)[3]		Mascot
1327.6497	1327.6736	0.0239	18	50	60	QYKGIMDCVVR			Oxidation (M)[6]		Mascot

	1395.7532	1395.6329	-0.1203	-86	269	280	AFFKGAWSNVLR										Mascot
	1957.9728	1957.9463	-0.0265	-14	189	206	AAYFGIYDTAKGMLPDPK										Mascot
	2071.1545	2070.9014	-0.2531	-122	11	31	DFLAGGIAAAISKTAVAPI ER										Mascot
	2284.2236	2284.0933	-0.1303	-57	73	92	GNLANVIRYFPTQALNFA FK										Mascot
29	PREDICTED: e3 ubiquitin-protein ligase BRE1A [Danio rerio]										gi 189527718	115551	5.66	17	46	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.4794	-0.0412	-49	61	67	ALQIKNR					Mascot
900.5083	900.3904	-0.1179	-131	649	657	CAVIGGPKR					Mascot
960.4744	960.4435	-0.0309	-32	720	726	ELEERER	15	0			Mascot
960.4744	960.4435	-0.0309	-32	720	726	ELEERER					Mascot
984.4818	984.3875	-0.0943	-96	460	466	KEYEMLR			Oxidation (M)[5]		Mascot
1045.5823	1045.5255	-0.0568	-54	786	793	LMQQLREK					Mascot
1059.5793	1059.5227	-0.0566	-53	919	927	AQEDISKLR					Mascot
1151.5474	1151.4506	-0.0968	-84	189	198	VESSCKQASR			Carbamidomethyl (C)[5]		Mascot
1287.6791	1287.6245	-0.0546	-42	743	753	SVEEQIDILNK					Mascot
1287.6791	1287.6245	-0.0546	-42	743	753	SVEEQIDILNK					Mascot
1303.6675	1303.6194	-0.0481	-37	243	253	LCQLTDGLQKQ			Carbamidomethyl (C)[2]		Mascot
1303.6675	1303.6194	-0.0481	-37	243	253	LCQLTDGLQKQ			Carbamidomethyl (C)[2]		Mascot
1327.6749	1327.6736	-0.0013	-1	679	688	EMKLLDMYR			Oxidation (M)[2]		Mascot
1395.6499	1395.6329	-0.017	-12	381	392	AEEVARDAEYR					Mascot
1475.6268	1475.6946	0.0678	46	975	985	CFHVFCFECVK			Carbamidomethyl (C)[1,6]		Mascot
1556.8643	1556.7721	-0.0922	-59	741	753	IRSVVEEQIDILNK					Mascot
1826.8514	1826.9142	0.0628	34	139	155	SLKPGTPEPDGDSNQR					Mascot
1826.8514	1826.9142	0.0628	34	139	155	SLKPGTPEPDGDSNQR					Mascot
1951.0205	1950.7356	-0.2849	-146	199	214	VVEIYENLKNMVDQLK			Oxidation (M)[11]		Mascot
1951.0205	1950.7356	-0.2849	-146	199	214	VVEIYENLKNMVDQLK			Oxidation (M)[11]		Mascot
1957.8668	1957.9463	0.0795	41	121	138	RCDQSGSEPVESQPPEG R					Mascot
1982.9712	1982.7285	-0.2427	-122	427	442	LRQLDHMENDEVSLQR					Mascot

30	PREDICTED: NUA family SNF1-like kinase 1-like [Danio rerio]										gi 68404856	68532.7	8.84	11	46	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	960.4567	960.4435	-0.0132	-14	314	322	DNGSPMLAR	16	0				Mascot
	960.4567	960.4435	-0.0132	-14	314	322	DNGSPMLAR						Mascot
	992.506	992.431	-0.075	-76	146	152	ETRHFFR						Mascot
	996.5584	996.5607	0.0023	2	68	76	HSGREVAIK						Mascot
	1070.6064	1070.5594	-0.047	-44	432	440	GILKNNQQR						Mascot
	1377.7161	1377.6599	-0.0562	-41	186	197	IADFGLSNLYHK						Mascot
	1383.705	1383.5879	-0.1171	-85	83	93	IKDEQDMVHIR						Mascot
	1395.7552	1395.6329	-0.1223	-88	118	129	DKIVIVMEYASK						Mascot
	1400.6804	1400.6134	-0.067	-48	130	140	GELYDYISERR						Mascot
	2057.9556	2057.7761	-0.1795	-87	355	373	KENDVGVSHCNGEDSLG LK			Carbamidomethyl (C)[10]			Mascot
	2071.0554	2070.9014	-0.154	-74	451	471	SESSDLLSGNITPLAASS PPK						Mascot
	2282.9871	2283.0947	0.1076	47	521	540	EESDTITNSSFCSTEWPP PR						Mascot

31 PREDICTED: ras association domain-containing protein gij189537462 49870 4.96 6 46 0 30 72.63
10 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4318	850.5122	0.0804	95	60	65	WRGFER					Mascot
960.4632	960.4435	-0.0197	-21	184	191	ELDGEIER	30	72.63			Mascot
960.4632	960.4435	-0.0197	-21	184	191	ELDGEIER					Mascot
992.5193	992.431	-0.0883	-89	25	33	RTTCADVVK					Mascot
1059.6156	1059.5227	-0.0929	-88	105	114	SAEARVVLSK					Mascot
1796.8306	1796.8737	0.0431	24	1	14	MEQEESKISVWVCR			Carbamidomethyl (C)[13], Oxidation (M)[1]		Mascot
3242.5269	3242.4827	-0.0442	-14	224	251	SDAALAQFEEYASRCDQ VIQLQEELTER					Mascot

32 S-methyl-5'-thioadenosine phosphorylase [Danio rerio] gij41054629 30827.4 5.99 9 45 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
853.4236	853.3942	-0.0294	-34	178	184	AESLMFR					Mascot
869.4185	869.3864	-0.0321	-37	178	184	AESLMFR			Oxidation (M)[5]		Mascot
1059.5615	1059.5227	-0.0388	-37	49	57	NVDCVLLAR			Carbamidomethyl (C)[4]		Mascot
1226.5756	1226.6429	0.0673	55	269	279	SMSQSSVMLPK			Oxidation (M)[2,8]		Mascot
1354.7939	1354.7432	-0.0507	-37	147	159	EVLLEVAQGLGVK					Mascot
1796.9388	1796.8737	-0.0651	-36	9	26	IGIIGGSGLDDPDILEGR					Mascot

	1903.9	1903.8285	-0.0715	-38	80	96	EEGCTHLLVTTACGSLR					Carbamidomethyl (C)[4,13]	Mascot
	1986.0178	1985.9463	-0.0715	-36	97	113	EDIQPGDIVLIDQFIDR						Mascot
	2071.0891	2070.9014	-0.1877	-91	185	203	QWGADVINTTVPEVVLAK						Mascot
	2224.9348	2225.0393	0.1045	47	204	222	EAGLCYASIAMATDYDCWK					Carbamidomethyl (C)[5,17]	Mascot
33	iron-sulfur cluster assembly enzyme [Danio rerio]				gi 54261801		17796.2	8.7	6	43	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
960.5083	960.4435	-0.0648	-67	1	9	MALAAAAWR						Mascot
960.5359	960.4435	-0.0924	-96	107	115	GKSIDALK	16		0			Mascot
1045.5636	1045.5255	-0.0381	-36	44	53	NVGSLDKNAK						Mascot
1403.6658	1403.6459	-0.0199	-14	132	143	LHCSMLAEDAIK				Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot
1403.6658	1403.6459	-0.0199	-14	132	143	LHCSMLAEDAIK				Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot
1903.9517	1903.8285	-0.1232	-65	19	34	SMSLPKLR				Carbamidomethyl (C)[11]		Mascot
2283.1545	2283.0947	-0.0598	-26	124	143	ELCLPPVKLHCSMLAEDAIK				Carbamidomethyl (C)[3], Oxidation (M)[13]		Mascot

34	pyruvate dehydrogenase kinase, isozyme 3b [Danio rerio]				gi 123702577		21003.7	8.49	8	42	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
882.4468	882.5345	0.0877	99	30	36	QFLDFGR						Mascot
1045.5499	1045.5255	-0.0244	-23	43	50	TSYMFLRK						Mascot
1165.6836	1165.702	0.0184	16	1	9	MKLFICLLK				Carbamidomethyl (C)[6]		Mascot
1556.7162	1556.7721	0.0559	36	30	42	QFLDFGRENACEK						Mascot
1664.7407	1664.851	0.1103	66	37	49	ENACEKTSYMFLR				Carbamidomethyl (C)[4], Oxidation (M)[10]		Mascot
2058.0325	2057.7761	-0.2564	-125	118	135	HNDVVPTMAQGVIEYKEK						Mascot
2071.0388	2070.9014	-0.1374	-66	116	133	NRHNDVVPTMAQGVIEYK						Mascot
2284.1641	2284.0933	-0.0708	-31	97	115	SPEDPHTLNDFLEMLIKIR				Oxidation (M)[14]		Mascot

35	PREDICTED: 5'-nucleotidase domain-containing protein 3 [Danio rerio]				gi 68405171		67472.1	8.33	8	41	0	17	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
853.4777	853.3942	-0.0835	-98	201	208	GLNPVPEK						Mascot

	900.3992	900.3904	-0.0088	-10	231	238	SSHGHTMK						Oxidation (M)[7]	Mascot
	1048.5897	1048.5802	-0.0095	-9	49	57	EARFGLLSR	17	0					Mascot
	1048.5897	1048.5802	-0.0095	-9	49	57	EARFGLLSR							Mascot
	1354.6572	1354.7432	0.086	63	334	344	GMNYIVGKDWR						Oxidation (M)[2]	Mascot
	1364.7644	1364.6472	-0.1172	-86	274	285	DVKEVIGNVHVR							Mascot
	1642.8845	1642.8739	-0.0106	-6	277	290	EVIGNVHVRGIMYR							Mascot
	1642.8845	1642.8739	-0.0106	-6	277	290	EVIGNVHVRGIMYR							Mascot
	1950.8354	1950.7356	-0.0998	-51	60	78	GPVAPLTAGNMCTCSGD DK						Carbamidomethyl (C)[12,14]	Mascot
	1950.8354	1950.7356	-0.0998	-51	60	78	GPVAPLTAGNMCTCSGD DK						Carbamidomethyl (C)[12,14]	Mascot
	2225.1238	2225.0393	-0.0845	-38	345	363	DLFDVVIVQADKPSFFND R							Mascot
36	Hook homolog 1 [Danio rerio]				gi 190339684		83123.4	5.24	9	40	0	30	72.693	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5458	842.4794	-0.0664	-79	636	642	KIALER					Mascot
960.4996	960.4435	-0.0561	-58	323	330	LEDLSDLR	30	72.693			Mascot
960.4996	960.4435	-0.0561	-58	323	330	LEDLSDLR					Mascot
992.5081	992.431	-0.0771	-78	332	339	QMKALEEK			Oxidation (M)[2]		Mascot
1136.6058	1136.536	-0.0698	-61	409	417	ISFERDTLR					Mascot
1165.5956	1165.702	0.1064	91	577	586	MDELMAALKK			Oxidation (M)[1]		Mascot
1364.6614	1364.6472	-0.0142	-10	177	188	ALEDLTEVMAEK			Oxidation (M)[9]		Mascot
1377.7155	1377.6599	-0.0556	-40	703	715	RTMSINVPASSSK					Mascot
1982.8947	1982.7285	-0.1662	-84	340	355	NMTYMHNTVSLEEELR			Oxidation (M)[2]		Mascot
3242.5935	3242.4827	-0.1108	-34	75	101	ILQMIVDYINEVLAQQMS DFPLPDLMR					Mascot

37 hypothetical protein LOC100191015 [Danio rerio] gi|209863095 44412.9 9.4 9 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
869.4628	869.3864	-0.0764	-88	56	61	YFRLDR					Mascot
996.5373	996.5607	0.0234	23	282	288	QRIFYNYR					Mascot
1287.6764	1287.6245	-0.0519	-40	362	373	VGSNNATREAIR					Mascot
1287.6764	1287.6245	-0.0519	-40	362	373	VGSNNATREAIR					Mascot
1475.6802	1475.6946	0.0144	10	176	188	APDNSGSLFYNYK					Mascot
1698.8995	1698.8046	-0.0949	-56	92	106	LAICLRFLATGDSYR					Mascot

	1993.9834	1993.9017	-0.0817	-41	309	326	MYRGAIEISPANVDACVK						Carbamidomethyl (C)[16]	Mascot
	2055.0183	2054.905	-0.1133	-55	1	17	MEDQVVACCVALLYLRR						Carbamidomethyl (C)[8], Oxidation (M)[1]	Mascot
	2073.1128	2072.8752	-0.2376	-115	189	206	GTYSVLLAVVDSQYRF R							Mascot
	2211.1743	2211.0259	-0.1484	-67	294	311	LIVENTFGILTAQWRMYR							Mascot
38	protein lin-7 homolog C [Danio rerio]				gi 52219174		22315.8	8.97	7	39	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
855.457	855.4064	-0.0506	-59	27	34	TGEVPPQK						Mascot	
992.4717	992.431	-0.0407	-41	177	184	VLEEMESR						Mascot	
1226.6852	1226.6429	-0.0423	-34	2	12	ASLGEPVRLER						Mascot	
1279.6827	1279.559	-0.1237	-97	41	51	VLQSEFCKAVR						Mascot	
1327.7943	1327.6736	-0.1207	-91	156	168	AVELLKAAQGTVK						Mascot	
1403.8118	1403.6459	-0.1659	-118	122	135	IIPGGIADRHGGLK						Mascot	
1403.8118	1403.6459	-0.1659	-118	122	135	IIPGGIADRHGGLK						Mascot	
1412.6726	1412.6638	-0.0088	-6	177	187	VLEEMESRFEK				Oxidation (M)[5]		Mascot	

39	protein Hook homolog 1 [Danio rerio]				gi 113676708		83063.4	5.24	8	39	0	30	72.693
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
842.5458	842.4794	-0.0664	-79	636	642	KIIALER						Mascot	
960.4996	960.4435	-0.0561	-58	323	330	LEDLSDLR	30	72.693				Mascot	
960.4996	960.4435	-0.0561	-58	323	330	LEDLSDLR						Mascot	
992.5081	992.431	-0.0771	-78	332	339	QMKALEEK				Oxidation (M)[2]		Mascot	
1165.5956	1165.702	0.1064	91	577	586	MDELMAALKK				Oxidation (M)[1]		Mascot	
1364.6614	1364.6472	-0.0142	-10	177	188	ALEDLTEVMAEK				Oxidation (M)[9]		Mascot	
1377.7155	1377.6599	-0.0556	-40	703	715	RTMSINVPASSSK						Mascot	
1982.8947	1982.7285	-0.1662	-84	340	355	NMTYMHNTVSLEEELR				Oxidation (M)[2]		Mascot	
3242.5935	3242.4827	-0.1108	-34	75	101	ILQMIVDYYNEVLAQQMS DFPLPDLMR						Mascot	

40	sorting nexin family member 27 [Danio rerio]				gi 41054611		64121.8	5.8	12	39	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
842.5094	842.4794	-0.03	-36	121	127	QVVDLIR						Mascot	

	1059.4775	1059.5227	0.0452	43	561	569	HMNEEIIS										Mascot
	1070.5305	1070.5594	0.0289	27	215	223	EFANFAFPK										Mascot
	1136.5946	1136.536	-0.0586	-52	242	250	RGLEEYLEK										Mascot
	1226.6316	1226.6429	0.0113	9	214	223	REFANFAFPK										Mascot
	1287.6799	1287.6245	-0.0554	-43	415	424	KMTMYLSILR					Oxidation (M)[2,4]					Mascot
	1287.6799	1287.6245	-0.0554	-43	415	424	KMTMYLSILR					Oxidation (M)[2,4]					Mascot
	1950.9564	1950.7356	-0.2208	-113	185	200	FVVYNVYMAGRQLCSK					Carbamidomethyl (C)[14], Oxidation (M)[8]					Mascot
	1950.9564	1950.7356	-0.2208	-113	185	200	FVVYNVYMAGRQLCSK					Carbamidomethyl (C)[14], Oxidation (M)[8]					Mascot
	1985.7681	1985.9463	0.1782	90	482	497	WDTDEEGMAFCFEYAR					Oxidation (M)[8]					Mascot
	2225.0283	2225.0393	0.011	5	24	47	NGSGMSAGTCAGGLVAT TVTSGPR					Carbamidomethyl (C)[10], Oxidation (M)[5]					Mascot
	2232.8743	2233.0059	0.1316	59	425	442	TCEGYNEITFPHCSCDSR					Carbamidomethyl (C)[2,13,15]					Mascot
	2283.9321	2284.0933	0.1612	71	482	500	WDTDEEGMAFCFEYARG EK										Mascot
	3243.4036	3243.4863	0.0827	25	416	442	MTMYLSILRTCEGYNEITF PHCSCDSR					Carbamidomethyl (C)[11], Oxidation (M)[1]					Mascot
41	beta-1,3-galactosyltransferase 2 [Danio rerio]				gi 46309569		50871.7	9.67	10	39	0						

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
992.5748	992.431	-0.1438	-145	65	72	GLRPHKER					Mascot
1070.6064	1070.5594	-0.047	-44	175	183	QLEARNAIR					Mascot
1151.5701	1151.4506	-0.1195	-104	241	250	TLMGMSWVAR					Mascot
1475.6956	1475.6946	-0.001	-1	7	18	HCCPIKMTWNVK			Oxidation (M)[7]		Mascot
1796.9589	1796.8737	-0.0852	-47	56	70	DNPLVYTMRGLRPHK					Mascot
1950.9279	1950.7356	-0.1923	-99	285	300	QNYFTGYLMRGYAPNR					Mascot
1950.9279	1950.7356	-0.1923	-99	285	300	QNYFTGYLMRGYAPNR					Mascot
2070.9299	2070.9014	-0.0285	-14	318	336	YPIFCSGTGYVFSGDMA AK			Carbamidomethyl (C)[5]		Mascot
2073.0222	2072.8752	-0.147	-71	386	402	YSHLITSHQFQPNELMK					Mascot
2283.2065	2283.0947	-0.1118	-49	276	294	LLKPNTAPRQNYFTGYL MR					Mascot
3243.5793	3243.4863	-0.093	-29	386	411	YSHLITSHQFQPNELMKY WNHLQSNK					Mascot

42 PREDICTED: zinc finger protein 569-like [Danio rerio] gi|125851284 48241.3 9.28 13 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4529	826.4152	-0.0377	-46	131	137	IHSGERK					Mascot

1165.5895	1165.702	0.1125	97	127	136	AHMKIHSGER						Mascot
1279.6688	1279.559	-0.1098	-86	97	106	LDVHMRVHTR				Oxidation (M)[5]		Mascot
1303.6464	1303.6194	-0.027	-21	159	169	IHTGEKPFSCCK				Carbamidomethyl (C)[10]		Mascot
1303.6464	1303.6194	-0.027	-21	159	169	IHTGEKPFSCCK				Carbamidomethyl (C)[10]		Mascot
1327.5405	1327.6736	0.1331	100	387	397	EDPFRCECGK				Carbamidomethyl (C)[6]		Mascot
1395.7189	1395.6329	-0.086	-62	1	12	MAFIKVESEDK						Mascot
1556.775	1556.7721	-0.0029	-2	207	219	QSFNTHMRIHTGK						Mascot
1664.752	1664.851	0.099	59	327	341	THTGEKPFTCAQCCK				Carbamidomethyl (C)[10]		Mascot
2063.8733	2063.7258	-0.1475	-71	351	369	NHMDGHTGTIVFTCDQCGK						Mascot
2072.9575	2072.8752	-0.0823	-40	170	186	QCGKSFCHKPNLDVHMR				Carbamidomethyl (C)[2], Oxidation (M)[16]		Mascot
2211.105	2211.0259	-0.0791	-36	243	262	THTGERPFSCILCGKSFSLK						Mascot
2284.0486	2284.0933	0.0447	20	187	206	VHTGEKPYTCEQCGKSGK				Carbamidomethyl (C)[10]		Mascot
3260.4856	3260.5063	0.0207	6	174	201	SFCHKPNLDVHMRVHTGEKPYTCEQCGK				Oxidation (M)[12]		Mascot
3260.4856	3260.5063	0.0207	6	174	201	SFCHKPNLDVHMRVHTGEKPYTCEQCGK				Oxidation (M)[12]		Mascot

43 PREDICTED: RING finger protein 213-like [Danio rerio] gi|326672540 483574.6 5.97 29 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
853.4488	853.3942	-0.0546	-64	2708	2714	MLFDTVK					Mascot
864.4686	864.4617	-0.0069	-8	1091	1096	QIREYR					Mascot
869.4437	869.3864	-0.0573	-66	2708	2714	MLFDTVK			Oxidation (M)[1]		Mascot
882.4097	882.5345	0.1248	141	3309	3315	TSRSMER			Oxidation (M)[5]		Mascot
900.5148	900.3904	-0.1244	-138	2724	2731	ELAEAVLR					Mascot
1048.488	1048.5802	0.0922	88	2534	2542	QASHCDLFK	7	0			Mascot
1048.615	1048.5802	-0.0348	-33	2446	2454	RPYLATISK					Mascot
1186.6731	1186.6375	-0.0356	-30	1262	1270	WLDWLKGLR					Mascot
1279.6351	1279.559	-0.0761	-59	3048	3058	MVEGPVFEVETR			Oxidation (M)[1]		Mascot
1303.6034	1303.6194	0.016	12	1438	1447	DWCNHLTKMR					Mascot
1303.6034	1303.6194	0.016	12	1438	1447	DWCNHLTKMR					Mascot
1364.6702	1364.6472	-0.023	-17	3218	3228	YCTMNEILHLK					Mascot
1383.7015	1383.5879	-0.1136	-82	468	479	GWETSAHVLLDR					Mascot
1400.6548	1400.6134	-0.0414	-30	2125	2137	MSFVVGAEKGCEK			Oxidation (M)[1]		Mascot
1403.7676	1403.6459	-0.1217	-87	2521	2533	SLAKTVIADAMQR					Mascot
1403.7676	1403.6459	-0.1217	-87	2521	2533	SLAKTVIADAMQR					Mascot
1642.9462	1642.8739	-0.0723	-44	1747	1761	LSVWMIASKRPAVGK					Mascot

1642.9462	1642.8739	-0.0723	-44	1747	1761	LSVWMIASKRPAVGK		Mascot
1664.8271	1664.851	0.0239	14	3242	3256	LSRIGEQCTSITGDK	Carbamidomethyl (C)[8]	Mascot
1859.8997	1859.7288	-0.1709	-92	3978	3992	NNFVEAEFKFMEQVK		Mascot
1903.9719	1903.8285	-0.1434	-75	4060	4078	ALRDGVGEGSTQVGTDDG LK		Mascot
1957.9874	1957.9463	-0.0411	-21	3817	3832	EIIKCCNTFFLEVVS	Carbamidomethyl (C)[5]	Mascot
1982.9496	1982.7285	-0.2211	-112	2163	2179	FRCEIPVIIMGETGCGK	Carbamidomethyl (C)[3,15], Oxidation (M)[10]	Mascot
1985.9861	1985.9463	-0.0398	-20	4138	4156	EFCTALLSNHIGGPGSNL R		Mascot
1993.951	1993.9017	-0.0493	-25	2684	2700	CFLSICKTDSEQFFGLR		Mascot
2041.976	2041.7416	-0.2344	-115	1551	1568	ENMSGFLTHHVDVETLG R		Mascot
2041.976	2041.7416	-0.2344	-115	1551	1568	ENMSGFLTHHVDVETLG R		Mascot
2057.9709	2057.7761	-0.1948	-95	1551	1568	ENMSGFLTHHVDVETLG R	Oxidation (M)[3]	Mascot
2064.0193	2063.7258	-0.2935	-142	3366	3382	NHEALQECGLRHTLWR		Mascot
2070.9688	2070.9014	-0.0674	-33	2138	2155	GKFDPDPTYELTTDNVM K		Mascot
2211.1333	2211.0259	-0.1074	-49	2490	2507	NMALKENVFLMVVCIELR	Carbamidomethyl (C)[14], Oxidation (M)[2,11]	Mascot
2283.0405	2283.0947	0.0542	24	303	322	VSKEQTNQIEANQDSTM ESK	Oxidation (M)[17]	Mascot
3242.6106	3242.4827	-0.1279	-39	3189	3217	ESGPSVHILLIQMDMEES LCKNELIASAK	Carbamidomethyl (C)[20]	Mascot
3243.5164	3243.4863	-0.0301	-9	3094	3119	YSEFGNQETEELQKMYF HLQTHQSLR		Mascot
3260.5425	3260.5063	-0.0362	-11	578	606	DWGKLCQVVSECMGSF GEIQTQTAPFIK	Carbamidomethyl (C)[6]	Mascot
3260.5425	3260.5063	-0.0362	-11	578	606	DWGKLCQVVSECMGSF GEIQTQTAPFIK	Carbamidomethyl (C)[6]	Mascot

Peptide Information

45 novel protein (zgc:77010) [Danio rerio] RR
gi|169158538 18888.4 5.22 6 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4211	882.5345	0.1134	129	139	145	MCSFLPK			Carbamidomethyl (C)[2]		Mascot
1279.6715	1279.559	-0.1125	-88	28	39	IACLSAPSVYQK					Mascot
1403.6624	1403.6459	-0.0165	-12	156	166	CYVNYESRLLS			Carbamidomethyl (C)[1]		Mascot
1403.6624	1403.6459	-0.0165	-12	156	166	CYVNYESRLLS			Carbamidomethyl (C)[1]		Mascot
1642.8291	1642.8739	0.0448	27	119	133	ILLCTGAIMEEHAGK			Carbamidomethyl (C)[4]		Mascot
1642.8291	1642.8739	0.0448	27	119	133	ILLCTGAIMEEHAGK			Carbamidomethyl (C)[4]		Mascot
2057.9797	2057.7761	-0.2036	-99	139	155	MCSFLPKHHNLANEFR					Mascot
2225.2031	2225.0393	-0.1638	-74	119	138	ILLCTGAIMEEHAGKLLDLK			Carbamidomethyl (C)[4]		Mascot

46 Zgc:123105 [Danio rerio] gi|79151827 18445.2 9.15 7 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1151.566	1151.4506	-0.1154	-100	1	10	MSIPAGMTRR			Oxidation (M)[1,7]		Mascot
1287.6262	1287.6245	-0.0017	-1	120	129	YHRLAESMHK			Oxidation (M)[8]		Mascot
1287.6262	1287.6245	-0.0017	-1	120	129	YHRLAESMHK			Oxidation (M)[8]		Mascot
1354.5992	1354.7432	0.144	106	145	155	CCLFACVYTFK			Carbamidomethyl (C)[1]		Mascot
1377.777	1377.6599	-0.1171	-85	75	87	AKASSVMNSLIK			Oxidation (M)[7]		Mascot
1383.6573	1383.5879	-0.0694	-50	88	98	QTQESMQKFEK					Mascot
1388.6805	1388.6667	-0.0138	-10	99	111	QAGLTDGTGYPHK					Mascot
1664.7697	1664.851	0.0813	49	130	144	LQMQSTDASFQHGSK					Mascot

47 PREDICTED: NF-X1-type zinc finger protein NFXL1-like [Danio rerio] gi|326679373 116743.2 8.67 18 37 0 13 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4352	826.4152	-0.02	-24	735	741	QLLCGHR					Mascot
853.329	853.3942	0.0652	76	400	406	GACETCR			Carbamidomethyl (C)[3,6]		Mascot
992.4829	992.431	-0.0519	-52	407	414	QEVEKTCR					Mascot
1059.5177	1059.5227	0.005	5	19	29	GQVTGNPSSGR					Mascot
1186.6249	1186.6375	0.0126	11	1054	1063	NKIGMEHTIK			Oxidation (M)[5]		Mascot

	1287.5391	1287.6245	0.0854	66	343	354	VCHAGVCGECP	13	0	Carbamidomethyl (C)[2]	Mascot
	1287.5391	1287.6245	0.0854	66	343	354	VCHAGVCGECP			Carbamidomethyl (C)[2]	Mascot
	1295.5773	1295.5562	-0.0211	-16	175	184	DHPWPCPKCR			Carbamidomethyl (C)[6]	Mascot
	1395.6863	1395.6329	-0.0534	-38	40	51	ASSQSRFDEIQK				Mascot
	1642.8004	1642.8739	0.0735	45	13	29	GQQQGRGQVTGNPSSG				Mascot
	1642.8004	1642.8739	0.0735	45	13	29	GQQQGRGQVTGNPSSG				Mascot
	1698.8241	1698.8046	-0.0195	-11	520	533	KPPSCHHASQEKHR			Carbamidomethyl (C)[5]	Mascot
	1859.7881	1859.7288	-0.0593	-32	385	399	NLDCGLHTCSMRCHR			Carbamidomethyl (C)[4,9]	Mascot
	1982.7216	1982.7285	0.0069	3	448	463	KCCPGNCPDCMNCGR			Carbamidomethyl (C)[2,3,7,10,14]	Mascot
	1985.9167	1985.9463	0.0296	15	797	814	HAEACAAEERALLEGEM				Mascot
	2042.0132	2041.7416	-0.2716	-133	1018	1035	HIMLFGCSIALPQCISHR			Oxidation (M)[3]	Mascot
	2042.0132	2041.7416	-0.2716	-133	1018	1035	HIMLFGCSIALPQCISHR			Oxidation (M)[3]	Mascot
	2063.8513	2063.7258	-0.1255	-61	742	758	CKLLCHAGDCDQNCGQK			Carbamidomethyl (C)[1,5,10,14]	Mascot
	2232.959	2233.0059	0.0469	21	185	202	HEYSPHQTPTRYCYCG				Mascot
	2284.147	2284.0933	-0.0537	-24	569	589	ATDRANLAGPWEQPSTP				Mascot
	3242.623	3242.4827	-0.1403	-43	105	132	LLEQTRHYLHEVCQSGG			Carbamidomethyl (C)[13,20]	Mascot

48 suppression of tumorigenicity 14 (colon carcinoma) b [Danio rerio] gi|118150452 83703 6.05 1 25 7.898

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1048.4517	1048.5802	0.1285	123	280	287 DCHNDFIK	25	7.898	Carbamidomethyl (C)[2]	2	Mascot

49 PREDICTED: zinc finger protein 710-like [Danio rerio] gi|326669438 79852.3 8.61 1 23 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1048.5897	1048.5802	-0.0095	-9	625	633 FNLKGNLSR	23	0		3	Mascot

50 cullin 1-like [Danio rerio] gi|47087291 89546.8 8.18 1 23 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1048.5535	1048.5802	0.0267	25	400	408 FINNNVTR	23	0		4	Mascot

Gel Idx/Pos	236/J12	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	EF-hand domain-containing protein D2 [Danio rerio]	gi 113680776	26494.4	5.56	14	406	100	306	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4152	850.5173	0.1021	120	2	9	ATDELSSK					Mascot
937.5505	937.5228	-0.0277	-30	145	151	EFLLIIR					Mascot
937.5505	937.5228	-0.0277	-30	145	151	EFLLIIR	45	99.12			Mascot
960.4164	960.4514	0.035	36	89	95	DMEKMFK			Oxidation (M)[2,5]		Mascot
1030.5276	1030.4968	-0.0308	-30	191	199	VQAINESNR					Mascot
1134.663	1134.6173	-0.0457	-40	117	127	LGAPQTHLGLK					Mascot
1144.5674	1144.5328	-0.0346	-30	72	80	VFNPYTEFK					Mascot
1144.5674	1144.5328	-0.0346	-30	72	80	VFNPYTEFK	25	18.657			Mascot
1364.6838	1364.6545	-0.0293	-21	1	12	MATDELSSKLNLR					Mascot
1522.7384	1522.6951	-0.0433	-28	132	144	EVDEDLDGKLSFR					Mascot
1663.8114	1663.765	-0.0464	-28	72	84	VFNPYTEFKEFSR					Mascot
1679.8711	1679.8195	-0.0516	-31	153	169	AAAGELAEDSGLHVLAR					Mascot
1679.8711	1679.8195	-0.0516	-31	153	169	AAAGELAEDSGLHVLAR	137	100			Mascot
1775.9034	1775.851	-0.0524	-30	191	205	VQAINESNRFEAEIR	69	99.997			Mascot
1775.9034	1775.851	-0.0524	-30	191	205	VQAINESNRFEAEIR					Mascot
1807.9661	1807.9113	-0.0548	-30	152	169	KAAAGELAEDSGLHVLA R					Mascot
1895.9028	1895.8464	-0.0564	-30	55	71	RGELNEGVGEHQQPSM K					Mascot
1911.8977	1911.8427	-0.055	-29	55	71	RGELNEGVGEHQQPSM K			Oxidation (M)[16]		Mascot
1911.8977	1911.8427	-0.055	-29	55	71	RGELNEGVGEHQQPSM K	30	70.602	Oxidation (M)[16]		Mascot
2019.9215	2019.8612	-0.0603	-30	96	111	QYDSEKDNIDLMELK			Oxidation (M)[13]		Mascot

2	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]	gi 94732723	147084.2	8.73	14	176	100	148	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
960.4785	960.4514	-0.0271	-28	1239	1245	LEVEWER					Mascot
1287.6691	1287.6321	-0.037	-29	1226	1238	AEAGVLGEFPAAR					Mascot

	1477.91	1477.7659	-0.1441	-98	532	544	LVQPIALQLVLDR						Mascot
	1642.9315	1642.8756	-0.0559	-34	1142	1156	FLGNDLPPVFIIAR						Mascot
	1698.8666	1698.8087	-0.0579	-34	483	498	VMGNAGHPSSLKPIMK			Oxidation (M)[2,15]			Mascot
	1699.9047	1699.8792	-0.0255	-15	597	614	ITAPDMASVAGAANVAIK						Mascot
	1699.9377	1699.8792	-0.0585	-34	34	49	YEALLLGGLPQEGLAR	59	99.968				Mascot
	1721.9043	1721.8508	-0.0535	-31	119	134	VFAPAGVSPTVMNLYR						Mascot
	1737.8992	1737.8461	-0.0531	-31	119	134	VFAPAGVSPTVMNLYR			Oxidation (M)[12]			Mascot
	1826.9799	1826.9263	-0.0536	-29	1164	1179	LLGYQLAAYFDKPTAR						Mascot
	1886.7894	1886.7297	-0.0597	-32	195	210	DVGLAYTESPECTER			Carbamidomethyl (C)[10,13]			Mascot
	1912.1154	1911.8427	-0.2727	-143	260	276	QTLAFVEIEKTPVVPIK						Mascot
	1912.1154	1911.8427	-0.2727	-143	260	276	QTLAFVEIEKTPVVPIK						Mascot
	1936.9181	1936.8591	-0.059	-30	147	163	TQNIYELQEAGAQGVCRR	90	100	Carbamidomethyl (C)[16]			Mascot
	1936.9181	1936.8591	-0.059	-30	147	163	TQNIYELQEAGAQGVCRR			Carbamidomethyl (C)[16]			Mascot
	2230.1682	2230.1306	-0.0376	-17	597	618	ITAPDMASVAGAANVAIK LMNR			Oxidation (M)[6]			Mascot
	3337.7539	3337.6782	-0.0757	-23	1164	1193	LLGYQLAAYFDKPTARVQ LIASSIAENDNR						Mascot
3	hypothetical protein LOC678536 [Danio rerio]				gi 160420306		148750.2	8.89	13	171	100	148	100

Peptide Information

	2249.1958	2249.0059	-0.1899	-84	593	614	SLTRITAPDMAYVAGAAN VAIK						Oxidation (M)[10]	Mascot
	2299.2292	2299.1135	-0.1157	-50	1039	1058	QINIIDDDTPEGQAFLKL R							Mascot
4	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733734							149808.5	8.83	12	170	100	150	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	864.4461	864.4805	0.0344	40	91	98	DSFVPATK					Mascot
	960.4785	960.4514	-0.0271	-28	1265	1271	LEVEWER					Mascot
	1638.8485	1638.809	-0.0395	-24	672	687	TYLAGAAADVVEFGVR					Mascot
	1642.9315	1642.8756	-0.0559	-34	1168	1182	FLGNDIPPVFIIAR					Mascot
	1698.8666	1698.8087	-0.0579	-34	487	502	VMGNAGHPSSLKPIMK			Oxidation (M)[2,15]		Mascot
	1699.9377	1699.8792	-0.0585	-34	38	53	YEALLLGGLPQEGLAR	59	99.968			Mascot
	1699.9377	1699.8792	-0.0585	-34	38	53	YEALLLGGLPQEGLAR					Mascot
	1775.936	1775.851	-0.085	-48	601	618	ITAPDMAYVAGAANVAIK					Mascot
	1775.936	1775.851	-0.085	-48	601	618	ITAPDMAYVAGAANVAIK					Mascot
	1826.9799	1826.9263	-0.0536	-29	1190	1205	LLGYQLAAYFDKPTAR					Mascot
	1912.1154	1911.8427	-0.2727	-143	264	280	QTLAFVEIEKTPVVPIK					Mascot
	1912.1154	1911.8427	-0.2727	-143	264	280	QTLAFVEIEKTPVVPIK					Mascot
	1936.9181	1936.8591	-0.059	-30	151	167	TQNIYELQEAGAQQVCR	90	100	Carbamidomethyl (C)[16]		Mascot
	1936.9181	1936.8591	-0.059	-30	151	167	TQNIYELQEAGAQQVCR			Carbamidomethyl (C)[16]		Mascot
	2233.2009	2233.0186	-0.1823	-82	597	618	SLTRITAPDMAYVAGAAN VAIK					Mascot
	2249.1958	2249.0059	-0.1899	-84	597	618	SLTRITAPDMAYVAGAAN VAIK			Oxidation (M)[10]		Mascot
	2299.2292	2299.1135	-0.1157	-50	1043	1062	QINIIDDDTPEGQAFLKL R					Mascot

5	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733733							149143.4	8.92	13	169	100	148	100
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	864.4461	864.4805	0.0344	40	91	98	DSFVPATK					Mascot
	960.4785	960.4514	-0.0271	-28	1260	1266	LEVEWER					Mascot
	1045.5465	1045.5336	-0.0129	-12	1350	1357	DFLSWIHK					Mascot
	1477.91	1477.7659	-0.1441	-98	536	548	LVQPIALQLVLDR					Mascot
	1642.9315	1642.8756	-0.0559	-34	1163	1177	FLGNDIPPVFIIAR					Mascot
	1679.8064	1679.8195	0.0131	8	1350	1362	DFLSWIHKYINED					Mascot
	1679.8064	1679.8195	0.0131	8	1350	1362	DFLSWIHKYINED					Mascot

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	864.4461	864.4805	0.0344	40	87	94 DSFVPATK					Mascot
	1699.9377	1699.8792	-0.0585	-34	34	49 YEALLLGGLPQEGRLAR	59	99.968			Mascot
	1699.9377	1699.8792	-0.0585	-34	34	49 YEALLLGGLPQEGRLAR					Mascot
	1936.9181	1936.8591	-0.059	-30	147	163 TQNIYELQEAGAQQGVCR	90	100	Carbamidomethyl (C)[16]		Mascot
	1936.9181	1936.8591	-0.059	-30	147	163 TQNIYELQEAGAQQGVCR			Carbamidomethyl (C)[16]		Mascot
8	Si:ch211-281I24.1 protein [Danio rerio]				gi 37748264		25927.2	5.42	6	93 99.998	70 99.997

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	937.5505	937.5228	-0.0277	-30	135	141 EFLLIFR					Mascot
	937.5505	937.5228	-0.0277	-30	135	141 EFLLIFR	45	99.12			Mascot
	1134.663	1134.6173	-0.0457	-40	107	117 LGAPQTHLGLK					Mascot
	1144.5674	1144.5328	-0.0346	-30	62	70 VFNPYTEFK					Mascot
	1144.5674	1144.5328	-0.0346	-30	62	70 VFNPYTEFK	25	18.657			Mascot
	1555.6945	1555.6769	-0.0176	-11	118	130 NMIKEVDEDYDGK					Mascot
	1663.8114	1663.765	-0.0464	-28	62	74 VFNPYTEFKEFSR					Mascot
	2283.1501	2283.1118	-0.0383	-17	160	180 LSEIDVSTEGVLGARDFF EAK					Mascot
	2283.1501	2283.1118	-0.0383	-17	160	180 LSEIDVSTEGVLGARDFF EAK					Mascot
9	PREDICTED: EF-hand domain-containing protein D1 isoform 1 [Danio rerio]				gi 68381139		26232.3	5.42	6	92 99.997	70 99.997

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	937.5505	937.5228	-0.0277	-30	138	144 EFLLIFR					Mascot
	937.5505	937.5228	-0.0277	-30	138	144 EFLLIFR	45	99.12			Mascot
	1134.663	1134.6173	-0.0457	-40	110	120 LGAPQTHLGLK					Mascot
	1144.5674	1144.5328	-0.0346	-30	65	73 VFNPYTEFK					Mascot
	1144.5674	1144.5328	-0.0346	-30	65	73 VFNPYTEFK	25	18.657			Mascot
	1555.6945	1555.6769	-0.0176	-11	121	133 NMIKEVDEDYDGK					Mascot
	1663.8114	1663.765	-0.0464	-28	65	77 VFNPYTEFKEFSR					Mascot
	2283.1501	2283.1118	-0.0383	-17	163	183 LSEIDVSTEGVLGARDFF EAK					Mascot
	2283.1501	2283.1118	-0.0383	-17	163	183 LSEIDVSTEGVLGARDFF EAK					Mascot

10 vitellogenin 7 [Danio rerio] gi|156713467 148739.2 8.76 13 81 99.963 58 99.953

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
960.4785	960.4514	-0.0271	-28	1254	1260	LEVEWER					Mascot
1287.6691	1287.6321	-0.037	-29	1241	1253	AEAGVLGEFPAAR					Mascot
1477.91	1477.7659	-0.1441	-98	532	544	LVQPIALQLVLDR					Mascot
1642.9315	1642.8756	-0.0559	-34	1157	1171	FLGNDLPPVFIIAR					Mascot
1698.8666	1698.8087	-0.0579	-34	483	498	VMGNAGHPSSLKPIMK			Oxidation (M)[2,15]		Mascot
1699.9047	1699.8792	-0.0255	-15	597	614	ITAPDMASVAGAANVAIK					Mascot
1699.9377	1699.8792	-0.0585	-34	34	49	YEALLLGGLPQEGLAR	59	99.968			Mascot
1721.9043	1721.8508	-0.0535	-31	119	134	VFAPAGVSPTVMNLYR					Mascot
1737.8992	1737.8461	-0.0531	-31	119	134	VFAPAGVSPTVMNLYR			Oxidation (M)[12]		Mascot
1826.9799	1826.9263	-0.0536	-29	1179	1194	LLGYQLAAYFDKPTAR					Mascot
1886.7894	1886.7297	-0.0597	-32	195	210	DVGLAYTESPECTER			Carbamidomethyl (C)[10,13]		Mascot
1912.1154	1911.8427	-0.2727	-143	260	276	QTLAFVEIEKTPVVPIK					Mascot
1912.1154	1911.8427	-0.2727	-143	260	276	QTLAFVEIEKTPVVPIK					Mascot
2230.1682	2230.1306	-0.0376	-17	597	618	ITAPDMASVAGAANVAIK LMNR			Oxidation (M)[6]		Mascot
3337.7539	3337.6782	-0.0757	-23	1179	1208	LLGYQLAAYFDKPTARVQ LIASSIAENDNR					Mascot

11 vitellogenin 1 [Danio rerio] gi|166795887 149452.5 8.68 12 79 99.939 59 99.968

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
960.4785	960.4514	-0.0271	-28	1258	1264	LEVEWER					Mascot
1287.6691	1287.6321	-0.037	-29	1245	1257	AEAGVLGEFPAAR					Mascot
1364.6957	1364.6545	-0.0412	-30	1279	1290	HILTAAYDTGFR					Mascot
1638.8485	1638.809	-0.0395	-24	668	683	TYLAGAAADVVEFGVR					Mascot
1642.9315	1642.8756	-0.0559	-34	1161	1175	FLGNDIPPVFIIAR					Mascot
1698.8666	1698.8087	-0.0579	-34	483	498	VMGNAGHPSSLKPIMK			Oxidation (M)[2,15]		Mascot
1699.9377	1699.8792	-0.0585	-34	34	49	YEALLLGGLPQEGLAR	59	99.968			Mascot
1699.9377	1699.8792	-0.0585	-34	34	49	YEALLLGGLPQEGLAR					Mascot
1775.936	1775.851	-0.085	-48	597	614	ITAPDMAYVAGAANVAIK					Mascot
1775.936	1775.851	-0.085	-48	597	614	ITAPDMAYVAGAANVAIK					Mascot
1826.9799	1826.9263	-0.0536	-29	1183	1198	LLGYQLAAYFDKPTAR					Mascot
1912.1154	1911.8427	-0.2727	-143	260	276	QTLAFVEIEKTPVVPIK					Mascot

	1912.1154	1911.8427	-0.2727	-143	260	276	QTLAFVEIEKTPVVPIK											Mascot
	2233.2009	2233.0186	-0.1823	-82	593	614	SLTRITAPDMAYVAGAAN VAIK											Mascot
	2249.1958	2249.0059	-0.1899	-84	593	614	SLTRITAPDMAYVAGAAN VAIK						Oxidation (M)[10]					Mascot
	2299.2292	2299.1135	-0.1157	-50	1039	1058	QINIIDDDTPEGQAFLLKL R											Mascot
12	vitellogenin 1 [Danio rerio]				gi 94733730		149140.4	8.74	11	73	99.766	58	99.953					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4514	-0.0271	-28	1258	1264	LEVEWER					Mascot
1287.6691	1287.6321	-0.037	-29	1245	1257	AEAGVLGEFPAAR					Mascot
1364.6957	1364.6545	-0.0412	-30	1279	1290	HILTAAYDTGFR					Mascot
1642.9315	1642.8756	-0.0559	-34	1161	1175	FLGNDIPPVFIIAR					Mascot
1698.8666	1698.8087	-0.0579	-34	483	498	VMGNAGHPSSLKPIMK			Oxidation (M)[2,15]		Mascot
1699.9047	1699.8792	-0.0255	-15	597	614	ITAPDMASVAGAANVAIK					Mascot
1699.9377	1699.8792	-0.0585	-34	34	49	YEALLLGGLPQEGLAR	59	99.968			Mascot
1826.9799	1826.9263	-0.0536	-29	1183	1198	LLGYQLAAYFDKPTAR					Mascot
1912.1154	1911.8427	-0.2727	-143	260	276	QTLAFVEIEKTPVVPIK					Mascot
1912.1154	1911.8427	-0.2727	-143	260	276	QTLAFVEIEKTPVVPIK					Mascot
2249.2725	2249.0059	-0.2666	-119	425	445	FATIPALREVVMLGYGSLI AK					Mascot
2299.2292	2299.1135	-0.1157	-50	1039	1058	QINIIDDDTPEGQAFLLKL R					Mascot

13	vitellogenin 5 [Danio rerio]				gi 68448530		148868	8.77	9	68	99.295	58	99.953					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4514	-0.0271	-28	1258	1264	LEVEWER					Mascot
1642.9315	1642.8756	-0.0559	-34	1161	1175	FLGNDIPPVFIIAR					Mascot
1698.8666	1698.8087	-0.0579	-34	483	498	VMGNAGHPSSLKPIMK			Oxidation (M)[2,15]		Mascot
1699.9047	1699.8792	-0.0255	-15	597	614	ITAPDMASVAGAANVAIK					Mascot
1699.9377	1699.8792	-0.0585	-34	34	49	YEALLLGGLPQEGLAR	59	99.968			Mascot
1737.9568	1737.8461	-0.1107	-64	746	761	SIIEEAIPMVTGPKPR					Mascot
1826.9799	1826.9263	-0.0536	-29	1183	1198	LLGYQLAAYFDKPTAR					Mascot
1912.1154	1911.8427	-0.2727	-143	260	276	QTLAFVEIEKTPVVPIK					Mascot
1912.1154	1911.8427	-0.2727	-143	260	276	QTLAFVEIEKTPVVPIK					Mascot
2299.2292	2299.1135	-0.1157	-50	1039	1058	QINIIDDDTPEGQAFLLKL					Mascot

14 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733731 149169.2 8.84 9 68 99.261 58 99.953

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4514	-0.0271	-28	1260	1266	LEVEWER					Mascot
1642.9315	1642.8756	-0.0559	-34	1163	1177	FLGNDIPPVFIIAR					Mascot
1698.8666	1698.8087	-0.0579	-34	487	502	VMGNAGHPSSLKPIMK			Oxidation (M)[2,15]		Mascot
1699.9047	1699.8792	-0.0255	-15	601	618	ITAPDMASVAGAAVNAIK					Mascot
1699.9377	1699.8792	-0.0585	-34	38	53	YEALLLGGLPQEGLAR	59	99.968			Mascot
1721.9043	1721.8508	-0.0535	-31	123	138	VFAPAGVSPTVMNLYR					Mascot
1737.8992	1737.8461	-0.0531	-31	123	138	VFAPAGVSPTVMNLYR			Oxidation (M)[12]		Mascot
1826.9799	1826.9263	-0.0536	-29	1185	1200	LLGYQLAAYFDKPTAR					Mascot
1912.1154	1911.8427	-0.2727	-143	264	280	QTLAFVEIEKTPVVPIK					Mascot
1912.1154	1911.8427	-0.2727	-143	264	280	QTLAFVEIEKTPVVPIK					Mascot
2299.2292	2299.1135	-0.1157	-50	1043	1062	QINIIDDDTPEGQAFLKL					Mascot

15 Unknown (protein for MGC:174137) [Danio rerio] gi|152012733 17051.5 7.71 1 64 98.057 59 99.968

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1699.9377	1699.8792	-0.0585	-34	34	49	YEALLLGGLPQEGLAR	59	99.968			Mascot
1699.9377	1699.8792	-0.0585	-34	34	49	YEALLLGGLPQEGLAR					Mascot

16 leukocyte receptor cluster (LRC) member 1 [Danio rerio] gi|52219028 32561.1 9.63 9 51 66.243 11 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4057	864.4805	0.0748	87	203	210	SGESSIER					Mascot
1030.5276	1030.4968	-0.0308	-30	216	223	LQREAEER					Mascot
1051.5419	1051.6812	0.1393	132	93	101	GNAEYLKEK					Mascot
1120.5481	1120.6476	0.0995	89	153	161	SLTEEREK					Mascot
1134.4844	1134.6173	0.1329	117	241	249	EPEREMGDR			Oxidation (M)[6]		Mascot
1358.6659	1358.6326	-0.0333	-25	27	37	AAEEEREIQQR					Mascot
1698.8234	1698.8087	-0.0147	-9	250	263	DRPYNSAYFPELAR					Mascot
1775.877	1775.851	-0.026	-15	56	72	GVLQQTGEVGETVESSR	11	0			Mascot
1775.877	1775.851	-0.026	-15	56	72	GVLQQTGEVGETVESSR					Mascot

	1826.9183	1826.9263	0.008	4	250	264	DRPYNSAYFPELARK										Mascot
17	PREDICTED: mitogen-activated protein kinase kinase kinase 4 [Danio rerio]																
							gi 189527122	168652.5	5.95	12	49	39.97	32	81.915			
	Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type			
	1273.5696	1273.5822	0.0126	10	85	95	SAEPPEEHSYK							Mascot			
	1279.7772	1279.7368	-0.0404	-32	167	176	FFETLRLLLK							Mascot			
	1555.8955	1555.6769	-0.2186	-140	1300	1312	LGLQEHVIRLYSK							Mascot			
	1570.7505	1570.7723	0.0218	14	989	1001	WMNFVLTKCESGR							Mascot			
	1638.8156	1638.809	-0.0066	-4	877	890	AFQQSMEELLSLR							Mascot			
	1679.901	1679.8195	-0.0815	-49	466	480	ARTALLSHMPAQEVR							Mascot			
	1679.901	1679.8195	-0.0815	-49	466	480	ARTALLSHMPAQEVR	32	81.915					Mascot			
	1814.0204	1813.8696	-0.1508	-83	789	805	LVILQLLNAAAGKDCSK				Carbamidomethyl (C)[15]			Mascot			
	1886.9891	1886.7297	-0.2594	-137	891	907	EQTSSQLIVCALEQLK							Mascot			
	2010.9987	2010.9042	-0.0945	-47	657	675	GGEAQSGKLFCDIAGML LK				Carbamidomethyl (C)[11], Oxidation (M)[16]			Mascot			
	2249.0002	2249.0059	0.0057	3	424	441	DNETCYCPTAIYRPFVDK				Carbamidomethyl (C)[5,7]			Mascot			
	2283.0156	2283.1118	0.0962	42	802	821	DCSKDPDEIPENEGYLLM SK							Mascot			
	2283.0156	2283.1118	0.0962	42	802	821	DCSKDPDEIPENEGYLLM SK							Mascot			
	2284.2004	2284.1064	-0.094	-41	1333	1354	GANIFLTSSGLIKLGDFGC SVK				Carbamidomethyl (C)[19]			Mascot			
	2299.0105	2299.1135	0.103	45	802	821	DCSKDPDEIPENEGYLLM SK				Oxidation (M)[18]			Mascot			
18	PREDICTED: structural maintenance of chromosomes protein 1B-like isoform 1 [Danio rerio]																
							gi 125855523	141682.3	7.11	18	42	0					
	Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type			
	870.577	870.5166	-0.0604	-69	172	179	LAVLQKAK							Mascot			
	960.4996	960.4514	-0.0482	-50	501	508	DEVLESLR							Mascot			
	1045.5636	1045.5336	-0.03	-29	338	345	RELTELER							Mascot			
	1144.5957	1144.5328	-0.0629	-55	385	395	NGAILNQSAEK							Mascot			
	1144.5957	1144.5328	-0.0629	-55	385	395	NGAILNQSAEK							Mascot			
	1165.6068	1165.7111	0.1043	89	683	692	LSSEMRALMK							Mascot			
	1364.7719	1364.6545	-0.1174	-86	519	529	LVELCQPIHKK				Carbamidomethyl (C)[5]			Mascot			
	1414.7284	1414.7213	-0.0071	-5	362	374	GAGVQLQESQLER							Mascot			

1570.8296	1570.7723	-0.0573	-36	361	374	RGAGVQLQESQLER						Mascot
1638.7601	1638.809	0.0489	30	990	1003	MLTEESEVEAMLEK						Mascot
1679.8486	1679.8195	-0.0291	-17	819	832	LSTQLEYEQALEK						Mascot
1679.8486	1679.8195	-0.0291	-17	819	832	LSTQLEYEQALEK						Mascot
1737.906	1737.8461	-0.0599	-34	1174	1188	MMSRESCQIIVISLK						Mascot
1813.8856	1813.8696	-0.016	-9	1004	1019	LKEGVSSLESIMMSR				Oxidation (M)[11]		Mascot
1826.9172	1826.9263	0.0091	5	1174	1188	MMSRESCQIIVISLK				Carbamidomethyl (C)[7], Oxidation (M)[1,2]		Mascot
1895.9341	1895.8464	-0.0877	-46	990	1005	MLTEESEVEAMLEKLK				Oxidation (M)[1]		Mascot
1911.929	1911.8427	-0.0863	-45	990	1005	MLTEESEVEAMLEKLK				Oxidation (M)[1,11]		Mascot
1911.929	1911.8427	-0.0863	-45	990	1005	MLTEESEVEAMLEKLK				Oxidation (M)[1,11]		Mascot
1937.0239	1936.8591	-0.1648	-85	385	401	NGAILNQSAEKLHWEVK						Mascot
1937.0239	1936.8591	-0.1648	-85	385	401	NGAILNQSAEKLHWEVK						Mascot
2020.0961	2019.8612	-0.2349	-116	819	835	LSTQLEYEQALEKLVK						Mascot
2225.1052	2225.054	-0.0512	-23	610	628	VIQYVCGNSLVCETLKDA R				Carbamidomethyl (C)[6,12]		Mascot
2225.1052	2225.054	-0.0512	-23	610	628	VIQYVCGNSLVCETLKDA R				Carbamidomethyl (C)[6,12]		Mascot
2230.0664	2230.1306	0.0642	29	130	149	AKNCLVYQGAVESIAMM NAK				Carbamidomethyl (C)[4], Oxidation (M)[16,17]		Mascot
2284.0881	2284.1064	0.0183	8	132	151	NCLVYQGAVESIAMMNA KER				Carbamidomethyl (C)[2]		Mascot
2300.0833	2300.1057	0.0224	10	132	151	NCLVYQGAVESIAMMNA KER				Carbamidomethyl (C)[2], Oxidation (M)[14]		Mascot

19 PREDICTED: structural maintenance of chromosomes protein 1B-like [Danio rerio] gi|292628155 123493.8 8.42 17 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.577	870.5166	-0.0604	-69	172	179	LAVLQKAK					Mascot
960.4996	960.4514	-0.0482	-50	501	508	DEVLESLR					Mascot
1045.5636	1045.5336	-0.03	-29	338	345	RELTELER					Mascot
1144.5957	1144.5328	-0.0629	-55	385	395	NGAILNQSAEK					Mascot
1144.5957	1144.5328	-0.0629	-55	385	395	NGAILNQSAEK					Mascot
1165.6068	1165.7111	0.1043	89	683	692	LSSEMRALMK					Mascot
1364.7719	1364.6545	-0.1174	-86	519	529	LVELCQPIHKK			Carbamidomethyl (C)[5]		Mascot
1414.7284	1414.7213	-0.0071	-5	362	374	GAGVQLQESQLER					Mascot
1570.8296	1570.7723	-0.0573	-36	361	374	RGAGVQLQESQLER					Mascot
1638.7601	1638.809	0.0489	30	834	847	MLTEESEVEAMLEK					Mascot
1642.858	1642.8756	0.0176	11	741	754	SELSNLEAHRVLMK			Oxidation (M)[13]		Mascot
1737.906	1737.8461	-0.0599	-34	1018	1032	MMSRESCQIIVISLK					Mascot

1813.8856	1813.8696	-0.016	-9	848	863	LKEGVSSLESIMMSR	Oxidation (M)[11]	Mascot
1826.9172	1826.9263	0.0091	5	1018	1032	MMSRESCQIIVISLK	Carbamidomethyl (C)[7], Oxidation (M)[1,2]	Mascot
1895.9341	1895.8464	-0.0877	-46	834	849	MLTEESEVEAMLEKLK	Oxidation (M)[1]	Mascot
1911.929	1911.8427	-0.0863	-45	834	849	MLTEESEVEAMLEKLK	Oxidation (M)[1,11]	Mascot
1911.929	1911.8427	-0.0863	-45	834	849	MLTEESEVEAMLEKLK	Oxidation (M)[1,11]	Mascot
1937.0239	1936.8591	-0.1648	-85	385	401	NGAILNQSAEKLHWEVK		Mascot
1937.0239	1936.8591	-0.1648	-85	385	401	NGAILNQSAEKLHWEVK		Mascot
2225.1052	2225.054	-0.0512	-23	610	628	VIQYVCGNSLV CETLKDA R	Carbamidomethyl (C)[6,12]	Mascot
2225.1052	2225.054	-0.0512	-23	610	628	VIQYVCGNSLV CETLKDA R	Carbamidomethyl (C)[6,12]	Mascot
2230.0664	2230.1306	0.0642	29	130	149	AKNCLVYQGAVESIAMM NAK	Carbamidomethyl (C)[4], Oxidation (M)[16,17]	Mascot
2284.0881	2284.1064	0.0183	8	132	151	NCLVYQGAVESIAMMNA KER	Carbamidomethyl (C)[2]	Mascot
2300.0833	2300.1057	0.0224	10	132	151	NCLVYQGAVESIAMMNA KER	Carbamidomethyl (C)[2], Oxidation (M)[14]	Mascot

20 RecName: Full=Tudor domain-containing protein 7B gi|334351210 121757 8.62 15 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4495	864.4805	0.031	36	939	945	MEEKALK			Oxidation (M)[1]		Mascot
870.4679	870.5166	0.0487	56	984	991	HELVSGTK					Mascot
1062.5499	1062.6582	0.1083	102	1	9	MADEELVKK					Mascot
1134.63	1134.6173	-0.0127	-11	10	19	MVRAVLQSSK			Oxidation (M)[1]		Mascot
1161.5609	1161.4996	-0.0613	-53	367	375	LYQDTYKCK					Mascot
1358.7103	1358.6326	-0.0777	-57	544	553	LFELNEKFYR					Mascot
1642.8833	1642.8756	-0.0077	-5	776	790	DTVLHISDCSLKIAK					Mascot
1679.9227	1679.8195	-0.1032	-61	222	236	LPHSAPYSPKLVQSR					Mascot
1679.9227	1679.8195	-0.1032	-61	222	236	LPHSAPYSPKLVQSR					Mascot
1699.9048	1699.8792	-0.0256	-15	776	790	DTVLHISDCSLKIAK			Carbamidomethyl (C)[9]		Mascot
1699.9048	1699.8792	-0.0256	-15	776	790	DTVLHISDCSLKIAK			Carbamidomethyl (C)[9]		Mascot
1852.0076	1851.8713	-0.1363	-74	237	252	LQEVLNKHSNGLWVSK					Mascot
1911.9963	1911.8427	-0.1536	-80	528	543	VYYVDHGFSEVISIRK					Mascot
1911.9963	1911.8427	-0.1536	-80	528	543	VYYVDHGFSEVISIRK					Mascot
2011.0647	2010.9042	-0.1605	-80	526	542	VKVVYVDHGFSEVISIR					Mascot
2019.9399	2019.8612	-0.0787	-39	410	427	VVEDENRNQSGLAGQE MK			Oxidation (M)[17]		Mascot
2225.1013	2225.054	-0.0473	-21	925	942	LVVLMGEMILHYNKMEEK			Oxidation (M)[5,8,15]		Mascot
2225.1013	2225.054	-0.0473	-21	925	942	LVVLMGEMILHYNKMEEK			Oxidation (M)[5,8,15]		Mascot
2249.1482	2249.0059	-0.1423	-63	445	464	VEYPSVLVVDASDTNCVI			Carbamidomethyl (C)[16]		Mascot

	2283.0308	2283.1118	0.081	35	1067	1085	LR DIWLHDIMAEFTDEMTKT A					Oxidation (M)[8]	Mascot
	2283.0308	2283.1118	0.081	35	1067	1085	DIWLHDIMAEFTDEMTKT A					Oxidation (M)[8]	Mascot
	2299.0256	2299.1135	0.0879	38	1067	1085	DIWLHDIMAEFTDEMTKT A					Oxidation (M)[8,15]	Mascot
21	iron-sulfur cluster assembly enzyme [Danio rerio]					gi 54261801	17796.2	8.7	7	39	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	960.5083	960.4514	-0.0569	-59	1	9	MALAAAAWR					Mascot
	1045.5636	1045.5336	-0.03	-29	44	53	NVGSLDKNAK					Mascot
	1161.5746	1161.4996	-0.075	-65	155	164	DEKETLAEAR					Mascot
	1775.8567	1775.851	-0.0057	-3	19	33	SMSLPRLRPACSYHK			Carbamidomethyl (C)[11]		Mascot
	1775.8567	1775.851	-0.0057	-3	19	33	SMSLPRLRPACSYHK			Carbamidomethyl (C)[11]		Mascot
	1911.9568	1911.8427	-0.1141	-60	1	18	MALAAAAWRCASSALFS K			Carbamidomethyl (C)[10]		Mascot
	1911.9568	1911.8427	-0.1141	-60	1	18	MALAAAAWRCASSALFS K			Carbamidomethyl (C)[10]		Mascot
	2247.1113	2247.0764	-0.0349	-16	86	106	FKTFGCGSAIASSSLATE WVK			Carbamidomethyl (C)[6]		Mascot
	2283.1545	2283.1118	-0.0427	-19	124	143	ELCLPPVKLHCSMLAEDA IK			Carbamidomethyl (C)[3], Oxidation (M)[13]		Mascot
	2283.1545	2283.1118	-0.0427	-19	124	143	ELCLPPVKLHCSMLAEDA IK			Carbamidomethyl (C)[3], Oxidation (M)[13]		Mascot

22 spermatogenesis associated 5-like 1 [Danio rerio] gi|285002245 81333.3 6.76 12 39 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	856.525	856.4984	-0.0266	-31	702	709	EAALLALR					Mascot
	996.5043	996.5695	0.0652	65	431	438	HVQPSCLR			Carbamidomethyl (C)[6]		Mascot
	996.5043	996.5695	0.0652	65	431	438	HVQPSCLR			Carbamidomethyl (C)[6]		Mascot
	1062.5037	1062.6582	0.1545	145	466	473	QSIEWPMR			Oxidation (M)[7]		Mascot
	1120.7089	1120.6476	-0.0613	-55	223	234	GLLLIGPPGVGK					Mascot
	1161.5607	1161.4996	-0.0611	-53	299	309	RTGSSSAPENR					Mascot
	1287.6879	1287.6321	-0.0558	-43	464	473	LKQSIEWPMR					Mascot
	1364.709	1364.6545	-0.0545	-40	164	175	TCVDISTIQTVK			Carbamidomethyl (C)[2]		Mascot
	1414.7173	1414.7213	0.004	3	600	612	IALLEGGDQEDVR					Mascot
	1679.8938	1679.8195	-0.0743	-44	201	214	EMITFPLRYPGSLR					Mascot
	1679.8938	1679.8195	-0.0743	-44	201	214	EMITFPLRYPGSLR					Mascot
	1737.9534	1737.8461	-0.1073	-62	648	662	LDQIIYVPPDLQAR					Mascot

	2230.0366	2230.1306	0.094	42	278	298	DAADDGPCVLLIDEIDSL CPR											Mascot
	2283.2463	2283.1118	-0.1345	-59	33	53	LGSPVLIRVLQGTCLCTA WPR											Mascot
	2283.2463	2283.1118	-0.1345	-59	33	53	LGSPVLIRVLQGTCLCTA WPR											Mascot
23	contactin-1a precursor [Danio rerio]				gi 136256388		114246.1	6.19	14	38	0							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.5111	856.4984	-0.0127	-15	434	441	LLGARNGR					Mascot
957.5152	957.422	-0.0932	-97	2	9	IPEAFQPR					Mascot
1045.5173	1045.5336	0.0163	16	562	569	DAQHYQRK					Mascot
1062.5513	1062.6582	0.1069	101	442	449	VVFECRPR			Carbamidomethyl (C)[5]		Mascot
1120.611	1120.6476	0.0366	33	985	993	RGEYLVEVR					Mascot
1287.6879	1287.6321	-0.0558	-43	2	12	IPEAFQPRAMK					Mascot
1638.7581	1638.809	0.0509	31	931	944	MHYSGSSINIAWEK			Oxidation (M)[1]		Mascot
1642.8799	1642.8756	-0.0043	-3	771	784	VTVTDPEVQKYVHK					Mascot
1775.9507	1775.851	-0.0997	-56	10	25	AMKHNTTVLMLALSSR			Oxidation (M)[2]		Mascot
1775.9507	1775.851	-0.0997	-56	10	25	AMKHNTTVLMLALSSR			Oxidation (M)[2]		Mascot
2224.9749	2225.054	0.0791	36	388	406	FSRLGFEDSGMYQCVAE NR			Oxidation (M)[11]		Mascot
2224.9749	2225.054	0.0791	36	388	406	FSRLGFEDSGMYQCVAE NR			Oxidation (M)[11]		Mascot
2230.0305	2230.1306	0.1001	45	114	134	SKHAGNYTCVASNQYGS VTSR					Mascot
2283.092	2283.1118	0.0198	9	594	614	YSCTAQTPVDNTTASAE VVR			Carbamidomethyl (C)[3]		Mascot
2283.092	2283.1118	0.0198	9	594	614	YSCTAQTPVDNTTASAE VVR			Carbamidomethyl (C)[3]		Mascot
2284.2131	2284.1064	-0.1067	-47	442	460	VVFECRPRAAPRPNITW SK			Carbamidomethyl (C)[5]		Mascot
2299.1426	2299.1135	-0.0291	-13	986	1007	GEYLVEVRAHSEGGDGA VAQVR					Mascot

24 PREDICTED: kinesin light chain 1-like [Danio rerio] gi|326678874 69824.2 6.03 12 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
937.5023	937.5228	0.0205	22	551	558	SSEMLVKK			Oxidation (M)[4]		Mascot
937.5023	937.5228	0.0205	22	551	558	SSEMLVKK			Oxidation (M)[4]		Mascot
1051.5742	1051.6812	0.107	102	504	513	RSTSSISSVK					Mascot
1287.6879	1287.6321	-0.0558	-43	143	152	HLEFMNQLKK					Mascot
1414.6454	1414.7213	0.0759	54	1	11	MSTMVYPREER			Oxidation (M)[1]		Mascot

	1477.826	1477.7659	-0.0601	-41	393	404	EAEILYKEILTR									Mascot
	1522.6876	1522.6951	0.0075	5	474	486	LEAAETLEECAMR				Carbamidomethyl (C)[10]					Mascot
	1679.9075	1679.8195	-0.088	-52	267	281	EAAHLLNDALSIREK									Mascot
	1679.9075	1679.8195	-0.088	-52	267	281	EAAHLLNDALSIREK									Mascot
	1851.8575	1851.8713	0.0138	7	471	486	QGKLEAAETLEECAMR				Carbamidomethyl (C)[13], Oxidation (M)[15]					Mascot
	1895.8141	1895.8464	0.0323	17	153	169	YDDGATPEEEKNSDTPK									Mascot
	2249.0107	2249.0059	-0.0048	-2	349	365	YEEVEYYYCRALDIYEK									Mascot
	2283.0935	2283.1118	0.0183	8	109	126	LCQENQWLRDELANTQH K				Carbamidomethyl (C)[2]					Mascot
	2283.0935	2283.1118	0.0183	8	109	126	LCQENQWLRDELANTQH K				Carbamidomethyl (C)[2]					Mascot
	2299.3118	2299.1135	-0.1983	-86	15	35	LTQDEIISSTKLVIQGLEAL K									Mascot
25	protein phosphatase 1 regulatory subunit 3B [Danio rerio]					gi 47086625	33690.5	6.15	8	37	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1051.5782	1051.6812	0.103	98	157	165	NISFEKSVK					Mascot
1663.8043	1663.765	-0.0393	-24	24	36	YSRPLQPCLNQCK			Carbamidomethyl (C)[8,12]		Mascot
1699.76	1699.8792	0.1192	70	132	145	IENDHVCLEHCMLK			Oxidation (M)[12]		Mascot
1699.76	1699.8792	0.1192	70	132	145	IENDHVCLEHCMLK			Oxidation (M)[12]		Mascot
1721.9697	1721.8508	-0.1189	-69	67	82	HVSFADHKGLALTVVK					Mascot
1813.803	1813.8696	0.0666	37	132	145	IENDHVCLEHCMLK			Carbamidomethyl (C)[7,11], Oxidation (M)[12]		Mascot
1851.9204	1851.8713	-0.0491	-27	24	39	YSRPLQPCLNQCKSSK					Mascot
2211.1001	2211.0386	-0.0615	-28	2	20	PIELAMSLYLSSDEFLNP R			Oxidation (M)[6]		Mascot
2229.9829	2230.1306	0.1477	66	175	193	NHTDVECQYVKDITYTGS NR					Mascot
2283.0862	2283.1118	0.0256	11	168	185	ITFNTWKNHTDVECQYVK			Carbamidomethyl (C)[14]		Mascot
2283.0862	2283.1118	0.0256	11	168	185	ITFNTWKNHTDVECQYVK			Carbamidomethyl (C)[14]		Mascot

26 PREDICTED: ubiquitin carboxyl-terminal hydrolase 43-like [Danio rerio] gi|189517011 128296.5 9.38 17 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4377	850.5173	0.0796	94	1077	1084	STSKTNGR					Mascot
870.4315	870.5166	0.0851	98	1147	1154	YSSTSLGR					Mascot
960.4495	960.4514	0.0019	2	104	111	MFSLYGDK					Mascot

	996.5472	996.5695	0.0223	22	1121	1130	NGPLVPASNK										Mascot
	996.5472	996.5695	0.0223	22	1121	1130	NGPLVPASNK										Mascot
	1045.5636	1045.5336	-0.03	-29	1071	1080	TGTVHKSTSK										Mascot
	1051.5353	1051.6812	0.1459	139	522	532	LCGSGGPPPHVK										Mascot
	1062.5037	1062.6582	0.1545	145	1155	1163	QRPVPESCF										Mascot
	1142.6165	1142.6698	0.0533	47	1039	1049	EVGHGKTLSSK										Mascot
	1144.615	1144.5328	-0.0822	-72	733	741	AAYILFYQR										Mascot
	1144.615	1144.5328	-0.0822	-72	733	741	AAYILFYQR										Mascot
	1279.5736	1279.7368	0.1632	128	743	754	DAIPSWASACSR										Mascot
	1287.6262	1287.6321	0.0059	5	656	667	TSCARAPPGWNK										Mascot
	1364.678	1364.6545	-0.0235	-17	447	457	FGPPFLMREDR										Mascot
	1414.6519	1414.7213	0.0694	49	1085	1096	DTQVFSNTIDMK					Oxidation (M)[11]					Mascot
	1555.7897	1555.6769	-0.1128	-73	1005	1018	IHPSQILMATGESR					Oxidation (M)[8]					Mascot
	1570.7531	1570.7723	0.0192	12	1085	1097	DTQVFSNTIDMKR					Oxidation (M)[11]					Mascot
	1826.9006	1826.9263	0.0257	14	472	486	LYYLMINGSQAHNFR										Mascot
	2300.1682	2300.1057	-0.0625	-27	247	265	NKPGVRHSFVQEHFQAQ YK										Mascot
27	plasma membrane calcium ATPase 3a [Danio rerio]				gi 313482836		129460.6	5.41	15	37	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4131	864.4805	0.0674	78	626	632	DKDEMVK					Mascot
882.4501	882.5408	0.0907	103	609	615	CSFILSR			Carbamidomethyl (C)[1]		Mascot
1120.5602	1120.6476	0.0874	78	448	456	MMKDNNLVR					Mascot
1165.6074	1165.7111	0.1037	89	84	93	VFGMNFIPPK			Oxidation (M)[4]		Mascot
1414.7914	1414.7213	-0.0701	-50	912	923	KPYGRNNPLISR					Mascot
1522.757	1522.6951	-0.0619	-41	805	820	ADVGFAMGIAGTDVAK					Mascot
1555.7244	1555.6769	-0.0475	-31	582	595	SMSTVIQMPDGSFR					Mascot
1698.8883	1698.8087	-0.0796	-47	483	496	MTVVQIYIGDQLFR			Oxidation (M)[1]		Mascot
1699.8142	1699.8792	0.065	38	581	595	KSMSTVIQMPDGSFR			Oxidation (M)[3]		Mascot
1699.8142	1699.8792	0.065	38	581	595	KSMSTVIQMPDGSFR			Oxidation (M)[3]		Mascot
1721.7911	1721.8508	0.0597	35	49	62	IQENYTNLTETLCHR					Mascot
1807.7811	1807.9113	0.1302	72	719	734	CGIIHPGDDFLCMEGK			Carbamidomethyl (C)[1], Oxidation (M)[13]		Mascot
1895.7932	1895.8464	0.0532	28	457	474	HLDACETMGNATAICSDK			Oxidation (M)[8]		Mascot
1936.8198	1936.8591	0.0393	20	457	474	HLDACETMGNATAICSDK			Carbamidomethyl (C)[5]		Mascot
1936.8198	1936.8591	0.0393	20	457	474	HLDACETMGNATAICSDK			Carbamidomethyl (C)[5]		Mascot
2019.9917	2019.8612	-0.1305	-65	49	64	IQENYTNLTETLCHRLK			Carbamidomethyl (C)[12]		Mascot

	2211.2053	2211.0386	-0.1667	-75	200	220	NSTVIQIPVAEMVVGDI QVK										Mascot
	2282.999	2283.1118	0.1128	49	719	738	CGIIHPGDDFLCMEGKDF NR						Oxidation (M)[13]				Mascot
	2282.999	2283.1118	0.1128	49	719	738	CGIIHPGDDFLCMEGKDF NR						Oxidation (M)[13]				Mascot
28	novel protein (zgc:112421) [Danio rerio]					gi 157886040	29193.6	4.43	7	36	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	850.5396	850.5173	-0.0223	-26	253	259	LLIEILH					Mascot
	1144.5746	1144.5328	-0.0418	-37	69	77	EAYLQVHER					Mascot
	1144.5746	1144.5328	-0.0418	-37	69	77	EAYLQVHER					Mascot
	1161.5746	1161.4996	-0.075	-65	203	213	GAGTDEETLIR					Mascot
	1663.7294	1663.765	0.0356	21	78	92	DLEADIEDDTSGEVR					Mascot
	1699.9337	1699.8792	-0.0545	-32	203	218	GAGTDEETLIRIIVGR					Mascot
	1699.9337	1699.8792	-0.0545	-32	203	218	GAGTDEETLIRIIVGR					Mascot
	2233.124	2233.0186	-0.1054	-47	29	49	GMGTDEETIISILANRSAA QR					Mascot
	2249.1189	2249.0059	-0.113	-50	29	49	GMGTDEETIISILANRSAA QR			Oxidation (M)[2]		Mascot
	2284.0881	2284.1064	0.0183	8	60	77	YDDDILNYKEAYLQVHER					Mascot

29	PREDICTED: scavenger receptor cysteine-rich type 1 protein M130-like [Danio rerio]					gi 326666537	98034.2	6.08	13	36	0						
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	856.4093	856.4984	0.0891	104	465	471	DAHVVCR			Carbamidomethyl (C)[6]		Mascot
	864.374	864.4805	0.1065	123	667	675	GGDGRCSGR					Mascot
	1279.7052	1279.7368	0.0316	25	656	666	QCSAHVPLRLR					Mascot
	1364.6528	1364.6545	0.0017	1	644	655	SHLTCSAFPHHK					Mascot
	1522.6989	1522.6951	-0.0038	-2	567	580	DTASLICQELNCGR					Mascot
	1570.66	1570.7723	0.1123	71	239	251	KWGTVCDACWDMR					Mascot
	1813.908	1813.8696	-0.0384	-21	843	857	HKTTTEAVYEEIQHK					Mascot
	1838.9006	1838.8555	-0.0451	-25	606	620	HDKTLYHCPSLPWGK			Carbamidomethyl (C)[8]		Mascot
	1936.813	1936.8591	0.0461	24	43	59	GQWGTVCDDGWDLNDA K			Carbamidomethyl (C)[7]		Mascot
	1936.813	1936.8591	0.0461	24	43	59	GQWGTVCDDGWDLNDA K			Carbamidomethyl (C)[7]		Mascot
	1972.8962	1972.8539	-0.0423	-21	109	126	GVSNCKHDEDAGVVCLG R			Carbamidomethyl (C)[5,15]		Mascot

	2249.0591	2249.0059	-0.0532	-24	180	198	AAAFGKVESQMWTEIHC CR						Carbamidomethyl (C)[18]	Mascot
	2300.2529	2300.1057	-0.1472	-64	5	25	SCLTVLLISTVVTLPNEGE VR						Carbamidomethyl (C)[2]	Mascot
	3337.5	3337.6782	0.1782	53	434	464	LVGSGGDCAGRLEVFHN GSWGTVCDDSWDIK						Carbamidomethyl (C)[8]	Mascot
30	novel protein similar to H.sapiens ATPase, Ca++ transporting, plasma membrane (zgc:92885) [Danio re					gi 169145692	138055	5.51	15	35	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4131	864.4805	0.0674	78	626	632	DKDEMVK					Mascot
882.4501	882.5408	0.0907	103	609	615	CSFILSR			Carbamidomethyl (C)[1]		Mascot
1120.5602	1120.6476	0.0874	78	448	456	MMKDNNLVR					Mascot
1165.6074	1165.7111	0.1037	89	84	93	VFGMNFIPPK			Oxidation (M)[4]		Mascot
1414.7914	1414.7213	-0.0701	-50	912	923	KPYGRNNPLISR					Mascot
1522.757	1522.6951	-0.0619	-41	805	820	ADVGFAMGIAGTDVAK					Mascot
1555.7244	1555.6769	-0.0475	-31	582	595	SMSTVIQMPDGSFR					Mascot
1698.8883	1698.8087	-0.0796	-47	483	496	MTVVQIYIGDQLFR			Oxidation (M)[1]		Mascot
1699.8142	1699.8792	0.065	38	581	595	KSMSTVIQMPDGSFR			Oxidation (M)[3]		Mascot
1699.8142	1699.8792	0.065	38	581	595	KSMSTVIQMPDGSFR			Oxidation (M)[3]		Mascot
1721.7911	1721.8508	0.0597	35	49	62	IQENYNTETLCHR					Mascot
1807.7811	1807.9113	0.1302	72	719	734	CGIIHPGDDFLCMEGK			Carbamidomethyl (C)[1], Oxidation (M)[13]		Mascot
1895.7932	1895.8464	0.0532	28	457	474	HLDACETMGNATAICSDK			Oxidation (M)[8]		Mascot
1936.8198	1936.8591	0.0393	20	457	474	HLDACETMGNATAICSDK			Carbamidomethyl (C)[5]		Mascot
1936.8198	1936.8591	0.0393	20	457	474	HLDACETMGNATAICSDK			Carbamidomethyl (C)[5]		Mascot
2019.9917	2019.8612	-0.1305	-65	49	64	IQENYNTETLCHRLK			Carbamidomethyl (C)[12]		Mascot
2211.2053	2211.0386	-0.1667	-75	200	220	NSTVIQIPVAEMVVGDI QVK					Mascot
2282.999	2283.1118	0.1128	49	719	738	CGIIHPGDDFLCMEGKDF NR			Oxidation (M)[13]		Mascot
2282.999	2283.1118	0.1128	49	719	738	CGIIHPGDDFLCMEGKDF NR			Oxidation (M)[13]		Mascot

31	PREDICTED: hypothetical protein LOC100535084 [Danio rerio]					gi 326679813	230058.6	9.06	22	35	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.4857	-0.0349	-41	1540	1546	RTVNKPK					Mascot
960.4996	960.4514	-0.0482	-50	1456	1463	ESINELQK					Mascot
1045.6	1045.5336	-0.0664	-64	1446	1455	SAKDLAITAR					Mascot

1051.6259	1051.6812	0.0553	53	713	721	VVDLLISHR		Mascot
1062.6055	1062.6582	0.0527	50	887	895	RAVEATFLR		Mascot
1144.5779	1144.5328	-0.0451	-39	556	565	LSPELAQQCR		Mascot
1144.5779	1144.5328	-0.0451	-39	556	565	LSPELAQQCR		Mascot
1161.5873	1161.4996	-0.0877	-76	456	463	LYFCKQFR	Carbamidomethyl (C)[4]	Mascot
1287.7202	1287.6321	-0.0881	-68	1902	1912	RLQAMQSLVNK		Mascot
1522.7067	1522.6951	-0.0116	-8	201	213	ADFMQARQAEEAR		Mascot
1570.6724	1570.7723	0.0999	64	37	49	NMTEM DLQDSL NK	Oxidation (M)[2,5]	Mascot
1679.745	1679.8195	0.0745	44	814	829	WDSIGAACVPKCGGCR	Carbamidomethyl (C)[8]	Mascot
1679.745	1679.8195	0.0745	44	814	829	WDSIGAACVPKCGGCR	Carbamidomethyl (C)[8]	Mascot
1698.7727	1698.8087	0.036	21	483	495	CLEVHEQYSFCKR	Carbamidomethyl (C)[1]	Mascot
1813.908	1813.8696	-0.0384	-21	284	298	ELRLTTYNSADDIFR		Mascot
1826.9316	1826.9263	-0.0053	-3	1479	1494	EPTMESKPIESP NLVR		Mascot
1852.0327	1851.8713	-0.1614	-87	103	117	LDEVK VLLHETLWTR		Mascot
1886.8292	1886.7297	-0.0995	-53	34	49	TCKNMTEM DLQDSL NK	Oxidation (M)[5]	Mascot
1895.9385	1895.8464	-0.0921	-49	1567	1583	DIFLAEQDGVTFPNTTK		Mascot
1911.9619	1911.8427	-0.1192	-62	847	862	ELELVKEGLTYVMEDK	Oxidation (M)[13]	Mascot
1911.9619	1911.8427	-0.1192	-62	847	862	ELELVKEGLTYVMEDK	Oxidation (M)[13]	Mascot
2020.0552	2019.8612	-0.194	-96	1913	1928	FWERWSQLAGPNLFIR		Mascot
2247.1252	2247.0764	-0.0488	-22	611	631	IGTLIDLASDTNYITHSAA DR		Mascot
2249.123	2249.0059	-0.1171	-52	1864	1883	EQTQEGCIQYVTPNSLLL GR		Mascot
2283.1648	2283.1118	-0.053	-23	1479	1498	EPTMESKPIESP NLVRAE QK		Mascot
2283.1648	2283.1118	-0.053	-23	1479	1498	EPTMESKPIESP NLVRAE QK		Mascot
2299.1599	2299.1135	-0.0464	-20	1479	1498	EPTMESKPIESP NLVRAE QK	Oxidation (M)[4]	Mascot

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	1838.9899	1838.8555	-0.1344	-73	51	67	AVETQLLFGSSDAILFK										Mascot
	3337.8989	3337.6782	-0.2207	-66	68	97	CILTSDNLVQLLFPMLIAA VDKNKPLLAVK	Carbamidomethyl (C)[1]									Mascot
33	Sipa1l1 protein [Danio rerio]				gi 190340108		188873.8	8.64	18	34	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.5363	856.4984	-0.0379	-44	1703	1709	LQAQIKR					Mascot
864.4495	864.4805	0.031	36	557	563	VTEQLMK			Oxidation (M)[6]		Mascot
957.4683	957.422	-0.0463	-48	999	1006	RGCSELHR					Mascot
960.4533	960.4514	-0.0019	-2	1710	1716	LWEDNQR					Mascot
1086.495	1086.5155	0.0205	19	154	163	EYGSTSSIDK					Mascot
1144.6586	1144.5328	-0.1258	-110	1558	1567	GAPLRRPSYK					Mascot
1144.6586	1144.5328	-0.1258	-110	1558	1567	GAPLRRPSYK					Mascot
1161.5106	1161.4996	-0.011	-9	1143	1152	SMPEGFAHNR			Oxidation (M)[2]		Mascot
1364.6342	1364.6545	0.0203	15	1310	1322	APSPWHSPDGGGR					Mascot
1477.7355	1477.7659	0.0304	21	865	878	DVIGWTLGSPASMK			Oxidation (M)[13]		Mascot
1663.7931	1663.765	-0.0281	-17	1000	1013	GCELSHRMPVVEYK			Oxidation (M)[8]		Mascot
1698.7751	1698.8087	0.0336	20	891	904	SMNNNTEDFREVVK			Oxidation (M)[2]		Mascot
1699.8134	1699.8792	0.0658	39	1179	1194	VEDSSDRPPSDAPVTK					Mascot
1699.8134	1699.8792	0.0658	39	1179	1194	VEDSSDRPPSDAPVTK					Mascot
1721.8817	1721.8508	-0.0309	-18	1429	1444	KPGSTINSVDFGDTRK					Mascot
1737.9659	1737.8461	-0.1198	-69	689	702	NIRSHFQHV FVVVR					Mascot
1826.9719	1826.9263	-0.0456	-25	1078	1095	AAAI PRSVSSDGRPLDSK					Mascot
2225.0364	2225.054	0.0176	8	1572	1591	MHGDL SASDTSLADLHD RQR					Mascot
2225.0364	2225.054	0.0176	8	1572	1591	MHGDL SASDTSLADLHD RQR					Mascot
2233.1709	2233.0186	-0.1523	-68	1666	1687	LSPSEGPSSYGGKVSQLEALVK					Mascot
2300.0725	2300.1057	0.0332	14	641	659	DYEIMFHVSTMLPYTPNN K					Mascot

34	PREDICTED: inositol 1,4,5-trisphosphate receptor type 1 [Danio rerio]				gi 326668777		305706.9	5.87	25	34	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.4857	-0.0349	-41	1153	1159	IRSNKPK					Mascot
856.4423	856.4984	0.0561	66	1873	1879	AFGSYRR					Mascot

937.4043	937.5228	0.1185	126	2650	2656	EQMTEQR	Oxidation (M)[3]	Mascot
937.4043	937.5228	0.1185	126	2650	2656	EQMTEQR	Oxidation (M)[3]	Mascot
957.402	957.422	0.02	21	2051	2058	HDSNAER		Mascot
960.4381	960.4514	0.0133	14	1833	1840	RDDNTPDK		Mascot
1045.6074	1045.5336	-0.0738	-71	1810	1818	MKVAQVEIK		Mascot
1062.55	1062.6582	0.1082	102	962	970	QDILVMDTK		Mascot
1120.5634	1120.6476	0.0842	75	2411	2419	DDFILEVNR		Mascot
1142.7144	1142.6698	-0.0446	-39	452	462	VLASIAAKLEK		Mascot
1144.6508	1144.5328	-0.118	-103	509	517	LMREQNILK		Mascot
1144.6508	1144.5328	-0.118	-103	509	517	LMREQNILK		Mascot
1161.6375	1161.4996	-0.1379	-119	92	101	LHHAADLEKK		Mascot
1279.6252	1279.7368	0.1116	87	2208	2217	AQPVLYWCSR	Carbamidomethyl (C)[8]	Mascot
1414.7358	1414.7213	-0.0145	-10	1391	1402	CNSLLPLDDIVR	Carbamidomethyl (C)[1]	Mascot
1638.8995	1638.809	-0.0905	-55	921	935	SIHGVGELMTQVVL		Mascot
1642.8192	1642.8756	0.0564	34	735	747	YQLNLFARMCLDR		Mascot
1663.7706	1663.765	-0.0056	-3	630	643	FLDYLSDLCSVMNK	Oxidation (M)[12]	Mascot
1679.7733	1679.8195	0.0462	28	833	845	FSQTMEFVENYLR	Oxidation (M)[5]	Mascot
1679.7733	1679.8195	0.0462	28	833	845	FSQTMEFVENYLR	Oxidation (M)[5]	Mascot
1699.8407	1699.8792	0.0385	23	735	747	YQLNLFARMCLDR	Carbamidomethyl (C)[10]	Mascot
1699.8407	1699.8792	0.0385	23	735	747	YQLNLFARMCLDR	Carbamidomethyl (C)[10]	Mascot
1737.8376	1737.8461	0.0085	5	280	293	ALWEVEVVQHDP	Carbamidomethyl (C)[13]	Mascot
1827.0044	1826.9263	-0.0781	-43	409	424	EEKPVMLRIGTSPLK		Mascot
1838.7917	1838.8555	0.0638	35	779	792	ASFCRMMMLHMHVDR	Carbamidomethyl (C)[4], Oxidation (M)[6,7,10]	Mascot
1972.9657	1972.8539	-0.1118	-57	2051	2066	HDSNAERILYNMRPK		Mascot
2020.0242	2019.8612	-0.163	-81	1542	1559	AIAIPVDLDCQVNNLFMK	Oxidation (M)[17]	Mascot
2233.1467	2233.0186	-0.1281	-57	1540	1559	GRAIAPVDLDCQVNNLFMK	Oxidation (M)[19]	Mascot
2283.2061	2283.1118	-0.0943	-41	915	935	GSNVMRSIHGVGELMTQVVL		Mascot
2283.2061	2283.1118	-0.0943	-41	915	935	GSNVMRSIHGVGELMTQVVL		Mascot
2299.2009	2299.1135	-0.0874	-38	915	935	GSNVMRSIHGVGELMTQVVL	Oxidation (M)[5]	Mascot
2501.1694	2501.1689	-0.0005	0	1726	1747	SQPGGLSRAEMLMEVQCHLDR	Carbamidomethyl (C)[18]	Mascot

35 Si:dkeyp-117h8.4 protein [Danio rerio] gi|158253430 74521.1 9.27 11 34 0

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type	
864.4825	864.4805	-0.002	-2	654	660	LQYSLQ						Mascot	

937.5101	937.5228	0.0127	14	68	75	VKADYSVR							Mascot
937.5101	937.5228	0.0127	14	68	75	VKADYSVR							Mascot
960.5109	960.4514	-0.0595	-62	344	352	AGLSITDQR							Mascot
1086.5426	1086.5155	-0.0271	-25	546	554	QPEVEESLR							Mascot
1142.5551	1142.6698	0.1147	100	1	9	MPLYTDQFK							Mascot
1273.6622	1273.5822	-0.08	-63	488	496	KLYHHFICR				Carbamidomethyl (C)[8]			Mascot
1642.8304	1642.8756	0.0452	28	608	620	LKMQMNHALSWR							Mascot
1807.9337	1807.9113	-0.0224	-12	563	577	SPLKHFQLTDLHEDK							Mascot
1826.8854	1826.9263	0.0409	22	11	25	NNDVFRNTMEAIFQK							Mascot
2233.1096	2233.0186	-0.091	-41	267	287	NSVDVSGVTDQSAWIDV ALTR							Mascot
2300.1228	2300.1057	-0.0171	-7	516	537	ESFQSPGFSSSSMSALA LTPLR							Mascot

36 PREDICTED: tudor domain-containing protein 7-like [Danio rerio] gi|326669649 45873.8 9.21 8 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4495	864.4805	0.031	36	253	259	MEEKALK			Oxidation (M)[1]		Mascot
870.4679	870.5166	0.0487	56	298	305	HELVSGTK					Mascot
1161.5609	1161.4996	-0.0613	-53	219	227	LYQDTYKCK					Mascot
1679.9227	1679.8195	-0.1032	-61	74	88	LPHSAPYSPKLVQSR					Mascot
1679.9227	1679.8195	-0.1032	-61	74	88	LPHSAPYSPKLVQSR					Mascot
1852.0076	1851.8713	-0.1363	-74	89	104	LQEVLNKHSNGLWVSK					Mascot
2225.1013	2225.054	-0.0473	-21	239	256	LVVLMGEMILHYNKMEEK			Oxidation (M)[5,8,15]		Mascot
2225.1013	2225.054	-0.0473	-21	239	256	LVVLMGEMILHYNKMEEK			Oxidation (M)[5,8,15]		Mascot
2249.2903	2249.0059	-0.2844	-126	277	297	VLVKGVLNGLVSVFQLD YGK					Mascot
2283.0308	2283.1118	0.081	35	381	399	DIWLHDIMAEFTDEMTKT A			Oxidation (M)[8]		Mascot
2283.0308	2283.1118	0.081	35	381	399	DIWLHDIMAEFTDEMTKT A			Oxidation (M)[8]		Mascot
2299.0256	2299.1135	0.0879	38	381	399	DIWLHDIMAEFTDEMTKT A			Oxidation (M)[8,15]		Mascot

37 proteasome subunit beta type-2 [Danio rerio] gi|50540284 22571.6 6.1 6 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4573	864.4805	0.0232	27	87	93	NLADYLR					Mascot
882.4753	882.5408	0.0655	74	35	41	MFKLSEK					Mascot

	960.4091	960.4514	0.0423	44	186	193	DGIHDMEK					Oxidation (M)[6]	Mascot
	1051.5717	1051.6812	0.1095	104	63	70	NVQLYKMR						Mascot
	1776.0417	1775.851	-0.1907	-107	171	185	FILNLPSFTVRLIDK						Mascot
	1776.0417	1775.851	-0.1907	-107	171	185	FILNLPSFTVRLIDK						Mascot
	2020.0651	2019.8612	-0.2039	-101	127	145	APFAAHGYGAFLTLSILDR						Mascot
38	hypothetical protein LOC572032 [Danio rerio]				gi 130501553	75267.4	9.23	11	34	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	960.5109	960.4514	-0.0595	-62	344	352	AGLSITDQR					Mascot
	1086.5426	1086.5155	-0.0271	-25	546	554	QPEVEESLR					Mascot
	1120.5845	1120.6476	0.0631	56	651	661	EATAVQSSTVK					Mascot
	1142.5551	1142.6698	0.1147	100	1	9	MPLYTDQFK					Mascot
	1273.6622	1273.5822	-0.08	-63	488	496	KLYHHFICR			Carbamidomethyl (C)[8]		Mascot
	1642.8304	1642.8756	0.0452	28	608	620	LKMQMNHALSWR					Mascot
	1807.9337	1807.9113	-0.0224	-12	563	577	SPLKHFQLTDLHEDK					Mascot
	1826.8854	1826.9263	0.0409	22	11	25	NNDVFRNTMEAIFQK					Mascot
	2233.1096	2233.0186	-0.091	-41	267	287	NSVDVSGVTDQSAWIDV ALTR					Mascot
	2249.0906	2249.0059	-0.0847	-38	246	265	LKSSPLNISYESSACFYS PR					Mascot
	2300.1228	2300.1057	-0.0171	-7	516	537	ESFQSPGFSSSSMSALA LTPLR					Mascot

39	hypothetical protein LOC559906 [Danio rerio]				gi 198282017	48541.8	5.61	10	33	0			
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	882.4349	882.5408	0.1059	120	1	8	MSSSLSVR			Oxidation (M)[1]		Mascot
	957.4346	957.422	-0.0126	-13	323	329	YTLEMER			Oxidation (M)[5]		Mascot
	1051.5419	1051.6812	0.1393	132	246	254	SQYEGIVQK					Mascot
	1062.5499	1062.6582	0.1083	102	142	150	IMLEIDNAK			Oxidation (M)[2]		Mascot
	1279.6641	1279.7368	0.0727	57	351	360	NKTDYEQLLR					Mascot
	1555.6516	1555.6769	0.0253	16	160	172	WETESAMCQSVER					Mascot
	1570.7278	1570.7723	0.0445	28	15	28	QPSFSSMSLRDSCR			Oxidation (M)[7]		Mascot
	1775.9789	1775.851	-0.1279	-72	375	390	LLEGEETVKEIPPPK					Mascot
	1775.9789	1775.851	-0.1279	-72	375	390	LLEGEETVKEIPPPK					Mascot
	2298.0601	2298.1179	0.0578	25	115	134	GHDIDSMMAQAHAEQE			Oxidation (M)[7,8]		Mascot

	2299.0151	2299.1135	0.0984	43	160	VRK WETESAMCQSVERDCV ALK					Carbamidomethyl (C)[8,15]	Mascot	
40	PREDICTED: hypothetical protein LOC100536324 [Danio rerio]					gi 326675438	274951.1	9.13	22	32	0	9	0

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
856.4312	856.4984	0.0672	78	604	610	WPVPDSR						Mascot
870.5406	870.5166	-0.024	-28	1174	1181	VLSPVTVR						Mascot
957.5475	957.422	-0.1255	-131	879	886	SLVNIQQR						Mascot
1051.5577	1051.6812	0.1235	117	870	878	VACHPGVRR				Carbamidomethyl (C)[3]		Mascot
1086.4633	1086.5155	0.0522	48	839	850	GGGAPEGCPEGR						Mascot
1134.601	1134.6173	0.0163	14	2087	2096	GMMLEITALR						Mascot
1142.6429	1142.6698	0.0269	24	1269	1277	SLIVDFHRR						Mascot
1144.5957	1144.5328	-0.0629	-55	2099	2107	VNQLEEEKR						Mascot
1144.5957	1144.5328	-0.0629	-55	2099	2107	VNQLEEEKR						Mascot
1287.6514	1287.6321	-0.0193	-15	1725	1734	FDTAVRYMIR				Oxidation (M)[8]		Mascot
1358.6521	1358.6326	-0.0195	-14	2403	2414	HELYKPAGGVQC				Carbamidomethyl (C)[12]		Mascot
1414.726	1414.7213	-0.0047	-3	1258	1268	CWIPARDILDR				Carbamidomethyl (C)[1]		Mascot
1522.9216	1522.6951	-0.2265	-149	1713	1724	LLQLHRDVLFLR						Mascot
1555.8009	1555.6769	-0.124	-80	2146	2158	MDHDVRQLISSVR						Mascot
1638.9076	1638.809	-0.0986	-60	1867	1879	GFLLLWKQMEVFK						Mascot
1663.7843	1663.765	-0.0193	-12	2309	2322	MESVETLQEDVLDR						Mascot
1679.7793	1679.8195	0.0402	24	2309	2322	MESVETLQEDVLDR				Oxidation (M)[1]		Mascot
1679.8938	1679.8195	-0.0743	-44	87	101	AFLSQCSLVFALQPR	10		0			Mascot
1698.8149	1698.8087	-0.0062	-4	1972	1985	INTEMTLVMSERSR				Oxidation (M)[5,9]		Mascot
1826.8448	1826.9263	0.0815	45	833	850	VEEAVRGGGAPEGCPEGR				Carbamidomethyl (C)[14]		Mascot
1936.9296	1936.8591	-0.0705	-36	1986	2002	HDMQIPAVLFGVFTCDK				Oxidation (M)[3]		Mascot
1936.9296	1936.8591	-0.0705	-36	1986	2002	HDMQIPAVLFGVFTCDK				Oxidation (M)[3]		Mascot
2010.9623	2010.9042	-0.0581	-29	1849	1866	AECVCQAEDAFQSLLKQK						Mascot
2020.1226	2019.8612	-0.2614	-129	626	644	FIRNFSSVAAPLTALTSPK						Mascot
2211.0825	2211.0386	-0.0439	-20	1907	1925	VEIFFPSMQALAQQMDVEK						Mascot

41	PREDICTED: 6-phosphofructokinase, liver type-like [Danio rerio]					gi 189523785	84565.1	7.22	11	32	0
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Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	%	Modification	Rank	Result Type

			Seq.		Seq.		Score				
	856.4167	856.4984	0.0817	95	89	95	CKAFTMR		Mascot		
	960.5472	960.4514	-0.0958	-100	2	10	SSAGLEKLR		Mascot		
	1051.5604	1051.6812	0.1208	115	202	210	TFVLEVMGR		Mascot		
	1120.5415	1120.6476	0.1061	95	357	365	EVQRAMNEK	Oxidation (M)[6]	Mascot		
	1161.6375	1161.4996	-0.1379	-119	366	374	RFEEAIQLR		Mascot		
	1287.6005	1287.6321	0.0316	25	377	386	SFENNWSIYK		Mascot		
	1698.9683	1698.8087	-0.1596	-94	254	269	GCRLNIIIIAEGAISR		Mascot		
	1851.9811	1851.8713	-0.1098	-59	270	286	SGEAITSNYIKDLVVS		Mascot		
	2298.2563	2298.1179	-0.1384	-60	67	88	LANWQSVTNIIQLGGTVI GSAR		Mascot		
	2501.2783	2501.1689	-0.1094	-44	445	469	GAVNEVSWNQVAGWTG LGGSLLGTK		Mascot		
	3337.7683	3337.6782	-0.0901	-27	387	419	LLAYQKSAAVQSEHSIAL NVGAPAAGMNAVR	Oxidation (M)[28]	Mascot		
42	PREDICTED: tetratricopeptide repeat protein 34-like [Danio rerio]				gi 326679115		119668.1	7.99	14	32	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4791	882.5408	0.0617	70	126	133	QTPQPVGR					Mascot
937.4526	937.5228	0.0702	75	867	873	AWQQNYK					Mascot
937.4526	937.5228	0.0702	75	867	873	AWQQNYK					Mascot
960.4897	960.4514	-0.0383	-40	847	854	QVFGQEPR					Mascot
996.4791	996.5695	0.0904	91	656	663	HCHTASKR			Carbamidomethyl (C)[2]		Mascot
996.4791	996.5695	0.0904	91	656	663	HCHTASKR			Carbamidomethyl (C)[2]		Mascot
1134.5208	1134.6173	0.0965	85	7	17	GAADLCREGDK					Mascot
1165.6252	1165.7111	0.0859	74	1050	1059	AWFLTETGLK					Mascot
1273.5953	1273.5822	-0.0131	-10	723	733	QPDNVQSLCGR			Carbamidomethyl (C)[9]		Mascot
1279.6528	1279.7368	0.084	66	241	252	ELQAAELFSSGK					Mascot
1358.746	1358.6326	-0.1134	-83	509	520	GLLCTVLLEQGR			Carbamidomethyl (C)[4]		Mascot
1364.6957	1364.6545	-0.0412	-30	430	440	GYSRLFIEDHK					Mascot
1679.8281	1679.8195	-0.0086	-5	376	390	ALCHLEPDGGGRELR			Carbamidomethyl (C)[3]		Mascot
1679.8281	1679.8195	-0.0086	-5	376	390	ALCHLEPDGGGRELR			Carbamidomethyl (C)[3]		Mascot
1698.922	1698.8087	-0.1133	-67	281	297	VCLLVSRAAAHFAAGGR					Mascot
1972.8739	1972.8539	-0.02	-10	100	117	MESVMQGTGQASDEIFA R			Oxidation (M)[1]		Mascot
2299.1797	2299.1135	-0.0662	-29	490	508	LQLQDAAVTVRCLVPWN CR			Carbamidomethyl (C)[12,18]		Mascot

43 transcriptional co-repressor Sin3A [Danio rerio] gi|148235455 145692.6 7.01 15 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
850.4417	850.5173	0.0756	89	916	922 LYAQAER				Mascot
864.407	864.4805	0.0735	85	1198	1204 AHQSHER				Mascot
996.5697	996.5695	-0.0002	0	1205	1212 VSTR LHQR				Mascot
996.5697	996.5695	-0.0002	0	1205	1212 VSTR LHQR				Mascot
1134.5459	1134.6173	0.0714	63	1146	1155 GCEAQEKELK				Mascot
1144.6725	1144.5328	-0.1397	-122	563	572 ALPKSYQLPK				Mascot
1144.6725	1144.5328	-0.1397	-122	563	572 ALPKSYQLPK				Mascot
1279.7368	1279.7368	0	0	432	443 HSTTAITPPVKK				Mascot
1287.6652	1287.6321	-0.0331	-26	943	953 DKNENTAVQLR				Mascot
1364.7069	1364.6545	-0.0524	-38	319	329 NRFQGQPNYK				Mascot
1414.5978	1414.7213	0.1235	87	1061	1072 AEQLMSDENC FK				Mascot
1663.865	1663.765	-0.1	-60	153	167 EFKSQSIDTPGVISR				Mascot
1699.9126	1699.8792	-0.0334	-20	656	670 LDNTLGGFSEIIHRK				Mascot
1699.9126	1699.8792	-0.0334	-20	656	670 LDNTLGGFSEIIHRK				Mascot
1886.8623	1886.7297	-0.1326	-70	539	555 ERATEGIAMEIDYASCK				Mascot
1936.9996	1936.8591	-0.1405	-73	514	528 FPELFTWFKNFLGYK				Mascot
1936.9996	1936.8591	-0.1405	-73	514	528 FPELFTWFKNFLGYK				Mascot
1972.9473	1972.8539	-0.0934	-47	523	538 NFLGYKEMSHLETYPK		Oxidation (M)[8]		Mascot
2019.9996	2019.8612	-0.1384	-69	174	191 GHPDLIMGFNTFLPPGYK		Oxidation (M)[7]		Mascot

44 transcription factor Her-8b [Danio rerio] gi|10863869 24148.2 9.35 6 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
850.5508	850.5173	-0.0335	-39	124	130 LLNHLLK				Mascot
996.6564	996.5695	-0.0869	-87	22	29 LRKPLIEK				Mascot
996.6564	996.5695	-0.0869	-87	22	29 LRKPLIEK				Mascot
1679.7805	1679.8195	0.039	23	2	17 TASNMGNGPEKNFNAK				Mascot
1679.7805	1679.8195	0.039	23	2	17 TASNMGNGPEKNFNAK				Mascot
1826.8159	1826.9263	0.1104	60	1	17 MTASNMGNGPEKNFNAK		Oxidation (M)[1]		Mascot
1895.9644	1895.8464	-0.118	-62	60	75 ADVLEITVQH MENLQR				Mascot
1911.9592	1911.8427	-0.1165	-61	60	75 ADVLEITVQH MENLQR		Oxidation (M)[11]		Mascot

	1911.9592	1911.8427	-0.1165	-61	60	75	ADVLEITVQHMENLQR					Oxidation (M)[11]	Mascot
	3337.5583	3337.6782	0.1199	36	95	123	YSSGYIQCMHEVHNLLLS CPGMDKTLGAR					Carbamidomethyl (C)[8,19]	Mascot
45	Zgc:162825 protein [Danio rerio]				gi 112418740		28952.4	9.77	7	31	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.3958	864.4805	0.0847	98	102	108	SYNNNPR					Mascot
957.457	957.422	-0.035	-37	121	129	LHNACQGSK					Mascot
1142.5735	1142.6698	0.0963	84	120	129	KLHNACQGSK			Carbamidomethyl (C)[6]		Mascot
1165.6688	1165.7111	0.0423	36	186	195	QQLKPQQPAK					Mascot
1638.9286	1638.809	-0.1196	-73	196	212	AASKPAKTAASKPASPR					Mascot
1972.9408	1972.8539	-0.0869	-44	86	101	GKSYWCDFLGKPNLCK			Carbamidomethyl (C)[6,15]		Mascot
2019.9674	2019.8612	-0.1062	-53	121	137	LHNACQGSKVYKPMCR			Carbamidomethyl (C)[5]		Mascot

46	AFG3-like protein 2 [Danio rerio]				gi 162287285		88641	8.56	11	31	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4127	850.5173	0.1046	123	793	800	QITGGMPF					Mascot
957.395	957.422	0.027	28	620	627	MCMTLGGR			Carbamidomethyl (C)[2], Oxidation (M)[1,3]		Mascot
1051.5868	1051.6812	0.0944	90	268	278	RGFAGAGRPGR					Mascot
1086.6154	1086.5155	-0.0999	-92	293	301	VLRDEIDVK					Mascot
1161.5946	1161.4996	-0.095	-82	5	13	YLHLSRGCR			Carbamidomethyl (C)[8]		Mascot
1638.776	1638.809	0.033	20	614	627	EQLLDRMCMTLGGR			Oxidation (M)[7]		Mascot
1642.901	1642.8756	-0.0254	-15	707	720	TQQLSDDKKPEVEK					Mascot
1679.8026	1679.8195	0.0169	10	614	627	EQLLDRMCMTLGGR			Carbamidomethyl (C)[8]		Mascot
1679.8026	1679.8195	0.0169	10	614	627	EQLLDRMCMTLGGR			Carbamidomethyl (C)[8]		Mascot
1698.8698	1698.8087	-0.0611	-36	607	619	EQYLYTKEQLLDR					Mascot
1699.869	1699.8792	0.0102	6	164	177	EVTWKDFVNSYLAK					Mascot
1699.869	1699.8792	0.0102	6	164	177	EVTWKDFVNSYLAK					Mascot
1721.9294	1721.8508	-0.0786	-46	313	326	LEIMEFVNFLKNPK					Mascot
1737.9243	1737.8461	-0.0782	-45	313	326	LEIMEFVNFLKNPK			Oxidation (M)[4]		Mascot
2019.9689	2019.8612	-0.1077	-53	90	112	EAKPTNSQKTTGGGGG SSGGGK					Mascot

47	Evx-2 [Danio rerio]				gi 1617040		44814.6	9.13	2	31	0	31	78.506
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	937.4481	937.5228	0.0747	80	8	14 EMILMER			Oxidation (M)[2]		Mascot
	937.4481	937.5228	0.0747	80	8	14 EMILMER	31	78.506	Oxidation (M)[2]		Mascot
	1555.8002	1555.6769	-0.1233	-79	388	402 SESGFLPYSAAVLSK					Mascot
48	potassium voltage-gated channel, Shaw-related subfamily, member 3b [Danio rerio]				gi 305410803	72332.4	5.77	1	22	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	937.4924	937.5228	0.0304	32	578	585 ACFLLNTR	22	0		3	Mascot
49	PREDICTED: metabotropic glutamate receptor 5-like [Danio rerio]				gi 292611331	130054.2	8.37	1	20	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	937.5175	937.5228	0.0053	6	443	449 LLEFLMR	20	0	Oxidation (M)[6]	4	Mascot
50	Protein phosphatase 1E (PP2C domain containing) [Danio rerio]				gi 190339270	70909	5.16	1	17	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	937.5505	937.5228	-0.0277	-30	14	20 FLELFLR	17	0		5	Mascot

Gel Idx/Pos	237/J13	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Vtg1 protein [Danio rerio]	gi 63100501	36409.1	9.23	10	332	100	276	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	960.4785	960.4465	-0.032	-33	218	224 LEVEWER					Mascot
	984.4243	984.3897	-0.0346	-35	190	197 FSWGAECK			Carbamidomethyl (C)[7]		Mascot

1287.6691	1287.6293	-0.0398	-31	205	217	AEAGVLGEFPAAR											Mascot
1287.6691	1287.6293	-0.0398	-31	205	217	AEAGVLGEFPAAR	66	99.994									Mascot
1327.7216	1327.6823	-0.0393	-30	260	271	EIELTAALPSQR											Mascot
1364.6957	1364.6533	-0.0424	-31	239	250	HILTAAYDTGFR	79	100									Mascot
1364.6957	1364.6533	-0.0424	-31	239	250	HILTAAYDTGFR											Mascot
1642.9315	1642.8798	-0.0517	-31	121	135	FLGNDIPPVFIIAR	116	100									Mascot
1642.9315	1642.8798	-0.0517	-31	121	135	FLGNDIPPVFIIAR											Mascot
1660.7119	1660.6855	-0.0264	-16	102	117	DTSSGSAASFEQMQK							Oxidation (M)[14]				Mascot
1826.9799	1826.9232	-0.0567	-31	143	158	LLGYQLAAYFDKPTAR											Mascot
1826.9799	1826.9232	-0.0567	-31	143	158	LLGYQLAAYFDKPTAR	17	0									Mascot
1958.0189	1957.9572	-0.0617	-32	254	271	ATNSEKEIELTAALPSQR											Mascot
3454.7456	3454.6113	-0.1343	-39	288	317	DIYLPVAVPINPDGTFSE TYEDFLAWIQK											Mascot

2

eukaryotic translation initiation factor 3, subunit F-like [Danio rerio]

gi|317108137

30037.3

5.36

11

325

100

250

100

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
913.5464	913.5172	-0.0292	-32	163	170	IGVDLLQR	44	98.904			Mascot
913.5464	913.5172	-0.0292	-32	163	170	IGVDLLQR					Mascot
964.4516	964.4218	-0.0298	-31	214	222	VMADNSVGR			Oxidation (M)[2]		Mascot
1122.5103	1122.4762	-0.0341	-30	155	162	YIYYDTER	68	99.995			Mascot
1122.5103	1122.4762	-0.0341	-30	155	162	YIYYDTER					Mascot
1239.6038	1239.5887	-0.0151	-12	131	142	AYVSSQMGVPGK			Oxidation (M)[7]		Mascot
1278.7126	1278.671	-0.0416	-33	143	154	TVGVMFTPLSVK					Mascot
1294.7075	1294.666	-0.0415	-32	143	154	TVGVMFTPLSVK			Oxidation (M)[5]		Mascot
1615.8398	1615.7893	-0.0505	-31	178	194	TNGLTTDLAQVAGAAGR					Mascot
1697.9221	1697.8694	-0.0527	-31	10	24	IHPVVLASIVDSYER	139	100			Mascot
1697.9221	1697.8694	-0.0527	-31	10	24	IHPVVLASIVDSYER					Mascot
1854.0232	1853.9648	-0.0584	-31	10	25	IHPVVLASIVDSYERR					Mascot
1948.0134	1947.9528	-0.0606	-31	109	126	EAPNPIHLTVDTALQSNK					Mascot
3192.3884	3192.3184	-0.07	-22	43	70	HSVDVTNCFSVPHNESE DEVAVDMEFAK			Carbamidomethyl (C)[8]		Mascot
3208.3833	3208.3218	-0.0615	-19	43	70	HSVDVTNCFSVPHNESE DEVAVDMEFAK			Carbamidomethyl (C)[8], Oxidation (M)[24]		Mascot
3454.6953	3454.6113	-0.084	-24	79	108	VSPSEVIVGWYATGFDIT EHSVLIHEYYSR					Mascot

3

Vtg1 protein [Danio rerio]

gi|145337918

116565.5

9.07

11

301

100

278

100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type		
	960.4785	960.4465	-0.032	-33	964	970 LEVEWER					Mascot		
	984.4243	984.3897	-0.0346	-35	936	943 FSWGAECK			Carbamidomethyl (C)[7]		Mascot		
	1287.6691	1287.6293	-0.0398	-31	951	963 AEAGVLGEFPAAR					Mascot		
	1287.6691	1287.6293	-0.0398	-31	951	963 AEAGVLGEFPAAR	66	99.994			Mascot		
	1327.7216	1327.6823	-0.0393	-30	1006	1017 EIELTAALPSQR					Mascot		
	1364.6957	1364.6533	-0.0424	-31	985	996 HILTAAYDTGFR	79	100			Mascot		
	1364.6957	1364.6533	-0.0424	-31	985	996 HILTAAYDTGFR					Mascot		
	1564.731	1564.7358	0.0048	3	773	787 NAPVSSSESSSRNSR					Mascot		
	1642.9315	1642.8798	-0.0517	-31	867	881 FLGNDIPPVFIIAR	116	100			Mascot		
	1642.9315	1642.8798	-0.0517	-31	867	881 FLGNDIPPVFIIAR					Mascot		
	1660.7119	1660.6855	-0.0264	-16	848	863 DTSSGSAASFEQMQK			Oxidation (M)[14]		Mascot		
	1826.9799	1826.9232	-0.0567	-31	889	904 LLGYQLAAYFDKPTAR					Mascot		
	1826.9799	1826.9232	-0.0567	-31	889	904 LLGYQLAAYFDKPTAR	17	0			Mascot		
	1958.0189	1957.9572	-0.0617	-32	1000	1017 ATNSEKEIELTAALPSQR					Mascot		
	3454.7456	3454.6113	-0.1343	-39	1034	1063 DIYLPVAVPINPDGTF SIE TYEDFLAWIQK					Mascot		
4	vitellogenin 1 [Danio rerio]				gi 166795887		149452.5	8.68	14	300	100	278	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	960.4785	960.4465	-0.032	-33	1258	1264 LEVEWER					Mascot
	984.4243	984.3897	-0.0346	-35	1230	1237 FSWGAECK			Carbamidomethyl (C)[7]		Mascot
	1287.6691	1287.6293	-0.0398	-31	1245	1257 AEAGVLGEFPAAR					Mascot
	1287.6691	1287.6293	-0.0398	-31	1245	1257 AEAGVLGEFPAAR	66	99.994			Mascot
	1327.7216	1327.6823	-0.0393	-30	1300	1311 EIELTAALPSQR					Mascot
	1364.6957	1364.6533	-0.0424	-31	1279	1290 HILTAAYDTGFR	79	100			Mascot
	1364.6957	1364.6533	-0.0424	-31	1279	1290 HILTAAYDTGFR					Mascot
	1564.731	1564.7358	0.0048	3	1067	1081 NAPVSSSESSSRNSR					Mascot
	1642.9315	1642.8798	-0.0517	-31	1161	1175 FLGNDIPPVFIIAR	116	100			Mascot
	1642.9315	1642.8798	-0.0517	-31	1161	1175 FLGNDIPPVFIIAR					Mascot
	1660.7119	1660.6855	-0.0264	-16	1142	1157 DTSSGSAASFEQMQK			Oxidation (M)[14]		Mascot
	1821.7782	1821.7113	-0.0669	-37	195	210 DVGFAYTEKCAECTER					Mascot
	1826.9799	1826.9232	-0.0567	-31	1183	1198 LLGYQLAAYFDKPTAR					Mascot
	1826.9799	1826.9232	-0.0567	-31	1183	1198 LLGYQLAAYFDKPTAR	17	0			Mascot

		1847.8745	1847.8473	-0.0272	-15	577	592	TEPNMHVASFAYSHIK					Oxidation (M)[5]		Mascot
		1958.0189	1957.9572	-0.0617	-32	1294	1311	ATNSEKEIELTAALPSQR							Mascot
		2233.2009	2233.0156	-0.1853	-83	593	614	SLTRITAPDMAYVAGAAN VAIK							Mascot
		3454.7456	3454.6113	-0.1343	-39	1328	1357	DIYLPVAVPINPDGTF SIE TYEDFLAWIQK							Mascot
5	vitellogenin 1 [Danio rerio]					gi 21391472		127954.2	8.69	11	298	100	278	100	
	Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank	Result Type
		960.4785	960.4465	-0.032	-33	1065	1071	LEVEWER							Mascot
		984.4243	984.3897	-0.0346	-35	1037	1044	FSWGAECK					Carbamidomethyl (C)[7]		Mascot
		1287.6691	1287.6293	-0.0398	-31	1052	1064	AEAGVLGEFPAAR							Mascot
		1287.6691	1287.6293	-0.0398	-31	1052	1064	AEAGVLGEFPAAR		66	99.994				Mascot
		1327.7216	1327.6823	-0.0393	-30	1107	1118	EIELTAALPSQR							Mascot
		1364.6957	1364.6533	-0.0424	-31	1086	1097	HILTAAYDTGFR		79	100				Mascot
		1364.6957	1364.6533	-0.0424	-31	1086	1097	HILTAAYDTGFR							Mascot
		1564.731	1564.7358	0.0048	3	876	890	NAPVSSSESSSRNSR							Mascot
		1642.9315	1642.8798	-0.0517	-31	968	982	FLGNDIPPVFIIAR		116	100				Mascot
		1642.9315	1642.8798	-0.0517	-31	968	982	FLGNDIPPVFIIAR							Mascot
		1660.7119	1660.6855	-0.0264	-16	949	964	DTSSGSAASFEQMQK					Oxidation (M)[14]		Mascot
		1826.9799	1826.9232	-0.0567	-31	990	1005	LLGYQLAAYFDKPTAR							Mascot
		1826.9799	1826.9232	-0.0567	-31	990	1005	LLGYQLAAYFDKPTAR		17	0				Mascot
		1958.0189	1957.9572	-0.0617	-32	1101	1118	ATNSEKEIELTAALPSQR							Mascot
		3454.7456	3454.6113	-0.1343	-39	1135	1164	DIYLPVAVPINPDGTF SIE TYEDFLAWIQK							Mascot
6	vitellogenin 1 [Danio rerio]					gi 94733730		149140.4	8.74	11	295	100	278	100	
	Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank	Result Type
		960.4785	960.4465	-0.032	-33	1258	1264	LEVEWER							Mascot
		984.4243	984.3897	-0.0346	-35	1230	1237	FSWGAECK					Carbamidomethyl (C)[7]		Mascot
		1287.6691	1287.6293	-0.0398	-31	1245	1257	AEAGVLGEFPAAR							Mascot
		1287.6691	1287.6293	-0.0398	-31	1245	1257	AEAGVLGEFPAAR		66	99.994				Mascot
		1327.7216	1327.6823	-0.0393	-30	1300	1311	EIELTAALPSQR							Mascot
		1364.6957	1364.6533	-0.0424	-31	1279	1290	HILTAAYDTGFR		79	100				Mascot
		1364.6957	1364.6533	-0.0424	-31	1279	1290	HILTAAYDTGFR							Mascot
		1564.731	1564.7358	0.0048	3	1067	1081	NAPVSSSESSSRNSR							Mascot

	1642.9315	1642.8798	-0.0517	-31	1161	1175	FLGNDIPPVFIIAR	116	100					Mascot
	1642.9315	1642.8798	-0.0517	-31	1161	1175	FLGNDIPPVFIIAR							Mascot
	1660.7119	1660.6855	-0.0264	-16	1142	1157	DTSSGSAASFEQMQK			Oxidation (M)[14]				Mascot
	1826.9799	1826.9232	-0.0567	-31	1183	1198	LLGYQLAAYFDKPTAR							Mascot
	1826.9799	1826.9232	-0.0567	-31	1183	1198	LLGYQLAAYFDKPTAR	17	0					Mascot
	1958.0189	1957.9572	-0.0617	-32	1294	1311	ATNSEKEIELTAALPSQR							Mascot
	3454.7456	3454.6113	-0.1343	-39	1328	1357	DIYLPVAVPINPDGTF SIE TYEDFLAWIQK							Mascot
7	vitellogenin 7 [Danio rerio]				gi 57864789		24318.7	8.37	5	223	100	199	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
960.4785	960.4465	-0.032	-33	113	119	LEVEWER						Mascot
984.4243	984.3897	-0.0346	-35	85	92	FSWGAECK				Carbamidomethyl (C)[7]		Mascot
1287.6691	1287.6293	-0.0398	-31	100	112	AEAGVLGEFPAAR						Mascot
1287.6691	1287.6293	-0.0398	-31	100	112	AEAGVLGEFPAAR	66	99.994				Mascot
1642.9315	1642.8798	-0.0517	-31	16	30	FLGNDLPPVFIIAR	116	100				Mascot
1642.9315	1642.8798	-0.0517	-31	16	30	FLGNDLPPVFIIAR						Mascot
1826.9799	1826.9232	-0.0567	-31	38	53	LLGYQLAAYFDKPTAR						Mascot
1826.9799	1826.9232	-0.0567	-31	38	53	LLGYQLAAYFDKPTAR	17	0				Mascot

8	vitellogenin 7 [Danio rerio]				gi 156713467		148739.2	8.76	8	208	100	199	100	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
960.4785	960.4465	-0.032	-33	1254	1260	LEVEWER						Mascot
984.4243	984.3897	-0.0346	-35	1226	1233	FSWGAECK				Carbamidomethyl (C)[7]		Mascot
1287.6691	1287.6293	-0.0398	-31	1241	1253	AEAGVLGEFPAAR						Mascot
1287.6691	1287.6293	-0.0398	-31	1241	1253	AEAGVLGEFPAAR	66	99.994				Mascot
1564.731	1564.7358	0.0048	3	1067	1081	NAPVSSSESSSRNSR						Mascot
1642.9315	1642.8798	-0.0517	-31	1157	1171	FLGNDLPPVFIIAR	116	100				Mascot
1642.9315	1642.8798	-0.0517	-31	1157	1171	FLGNDLPPVFIIAR						Mascot
1826.9799	1826.9232	-0.0567	-31	1179	1194	LLGYQLAAYFDKPTAR						Mascot
1826.9799	1826.9232	-0.0567	-31	1179	1194	LLGYQLAAYFDKPTAR	17	0				Mascot
1999.9099	2000.0299	0.12	60	195	212	DVGLAYTESCPECTER VK						Mascot
2275.0039	2274.9607	-0.0432	-19	192	210	IMKDVGLAYTESCPECTE R				Carbamidomethyl (C)[13,16], Oxidation (M)[2]		Mascot

9 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94732723 147084.2 8.73 9 202 100 199 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4465	-0.032	-33	1239	1245	LEVEWER					Mascot
984.4243	984.3897	-0.0346	-35	1211	1218	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1287.6691	1287.6293	-0.0398	-31	1226	1238	AEAGVLGEFPAAR					Mascot
1287.6691	1287.6293	-0.0398	-31	1226	1238	AEAGVLGEFPAAR	66	99.994			Mascot
1564.731	1564.7358	0.0048	3	1067	1081	NAPVSSSESSSRNSR					Mascot
1642.9315	1642.8798	-0.0517	-31	1142	1156	FLGNDLPPVFIIAR	116	100			Mascot
1642.9315	1642.8798	-0.0517	-31	1142	1156	FLGNDLPPVFIIAR					Mascot
1660.7119	1660.6855	-0.0264	-16	1123	1138	DTSSGSAASFEQMQK			Oxidation (M)[14]		Mascot
1826.9799	1826.9232	-0.0567	-31	1164	1179	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9232	-0.0567	-31	1164	1179	LLGYQLAAYFDKPTAR	17	0			Mascot
1999.9099	2000.0299	0.12	60	195	212	DVGLAYTESCPECTERV K					Mascot
2275.0039	2274.9607	-0.0432	-19	192	210	IMKDVGLAYTESCPECTE R			Carbamidomethyl (C)[13,16], Oxidation (M)[2]		Mascot

10 vitellogenin 6 [Danio rerio] gi|57864787 38968.8 8.92 8 167 100 132 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4465	-0.032	-33	255	261	LEVEWER					Mascot
984.4243	984.3897	-0.0346	-35	227	234	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1294.5869	1294.666	0.0791	61	59	71	NAPVSSSESSSSSR					Mascot
1327.7216	1327.6823	-0.0393	-30	297	308	EIELTAALPSQR					Mascot
1642.9315	1642.8798	-0.0517	-31	158	172	FLGNDIPPVFIIAR	116	100			Mascot
1642.9315	1642.8798	-0.0517	-31	158	172	FLGNDIPPVFIIAR					Mascot
1660.7119	1660.6855	-0.0264	-16	139	154	DTSSGSAASFEQMQK			Oxidation (M)[14]		Mascot
1826.9799	1826.9232	-0.0567	-31	180	195	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9232	-0.0567	-31	180	195	LLGYQLAAYFDKPTAR	17	0			Mascot
1958.0189	1957.9572	-0.0617	-32	291	308	ATNSEKEIELTAALPSQR					Mascot

11 Zgc:136383 [Danio rerio] gi|92097636 28809.9 9.33 6 156 100 132 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	960.4785	960.4465	-0.032	-33	156	162	LEVEWER										Mascot
	984.4243	984.3897	-0.0346	-35	128	135	FSWGAECK						Carbamidomethyl (C)[7]				Mascot
	1045.5465	1045.5309	-0.0156	-15	246	253	DFLSWIHK										Mascot
	1642.9315	1642.8798	-0.0517	-31	59	73	FLGNDIPPVFIIAR		116	100							Mascot
	1642.9315	1642.8798	-0.0517	-31	59	73	FLGNDIPPVFIIAR										Mascot
	1660.7119	1660.6855	-0.0264	-16	40	55	DTSSGSAASFEQMQK						Oxidation (M)[14]				Mascot
	1826.9799	1826.9232	-0.0567	-31	81	96	LLGYQLAAYFDKPTAR										Mascot
	1826.9799	1826.9232	-0.0567	-31	81	96	LLGYQLAAYFDKPTAR		17	0							Mascot
12	Vtg5 protein [Danio rerio]				gi 148744685		27543.3	9.2	5	151	100	132	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
960.4785	960.4465	-0.032	-33	144	150	LEVEWER							Mascot
984.4243	984.3897	-0.0346	-35	116	123	FSWGAECK				Carbamidomethyl (C)[7]			Mascot
1642.9315	1642.8798	-0.0517	-31	47	61	FLGNDIPPVFIIAR	116	100					Mascot
1642.9315	1642.8798	-0.0517	-31	47	61	FLGNDIPPVFIIAR							Mascot
1660.7119	1660.6855	-0.0264	-16	28	43	DTSSGSAASFEQMQK				Oxidation (M)[14]			Mascot
1826.9799	1826.9232	-0.0567	-31	69	84	LLGYQLAAYFDKPTAR							Mascot
1826.9799	1826.9232	-0.0567	-31	69	84	LLGYQLAAYFDKPTAR	17	0					Mascot

13	vitellogenin 4 [Danio rerio]				gi 57864783		31189.9	9.48	5	149	100	132	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
960.4785	960.4465	-0.032	-33	182	188	LEVEWER							Mascot
984.4243	984.3897	-0.0346	-35	154	161	FSWGAECK				Carbamidomethyl (C)[7]			Mascot
1642.9315	1642.8798	-0.0517	-31	85	99	FLGNDIPPVFIIAR	116	100					Mascot
1642.9315	1642.8798	-0.0517	-31	85	99	FLGNDIPPVFIIAR							Mascot
1660.7119	1660.6855	-0.0264	-16	66	81	DTSSGSAASFEQMQK				Oxidation (M)[14]			Mascot
1826.9799	1826.9232	-0.0567	-31	107	122	LLGYQLAAYFDKPTAR							Mascot
1826.9799	1826.9232	-0.0567	-31	107	122	LLGYQLAAYFDKPTAR	17	0					Mascot

14	Vtg6 protein [Danio rerio]				gi 157422885		27937.4	9.18	7	146	100	116	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
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913.423	913.5172	0.0942	103	1	8	MSSSRMSK											Mascot
913.423	913.5172	0.0942	103	1	8	MSSSRMSK											Mascot
960.4785	960.4465	-0.032	-33	149	155	LEVEWER											Mascot
984.4243	984.3897	-0.0346	-35	121	128	FSWGAECK						Carbamidomethyl (C)[7]					Mascot
1327.7216	1327.6823	-0.0393	-30	191	202	EIELTAALPSQR											Mascot
1642.9315	1642.8798	-0.0517	-31	52	66	FLGNDIPPVFIIAR		116	100								Mascot
1642.9315	1642.8798	-0.0517	-31	52	66	FLGNDIPPVFIIAR											Mascot
1660.7119	1660.6855	-0.0264	-16	33	48	DTSSGSAASFEQMQK						Oxidation (M)[14]					Mascot
1958.0189	1957.9572	-0.0617	-32	185	202	ATNSEKEIELTAALPSQR											Mascot

15 vitellogenin 6 [Danio rerio] gi|303227889 150936.1 8.84 10 143 100 132 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
960.4785	960.4465	-0.032	-33	1276	1282	LEVEWER						Mascot
984.4243	984.3897	-0.0346	-35	1248	1255	FSWGAECK				Carbamidomethyl (C)[7]		Mascot
1294.5869	1294.666	0.0791	61	1078	1090	NAPVSSSSSSSR						Mascot
1327.7216	1327.6823	-0.0393	-30	1318	1329	EIELTAALPSQR						Mascot
1642.9315	1642.8798	-0.0517	-31	1179	1193	FLGNDIPPVFIIAR	116	100				Mascot
1642.9315	1642.8798	-0.0517	-31	1179	1193	FLGNDIPPVFIIAR						Mascot
1660.7119	1660.6855	-0.0264	-16	1160	1175	DTSSGSAASFEQMQK				Oxidation (M)[14]		Mascot
1826.9799	1826.9232	-0.0567	-31	1201	1216	LLGYQLAAYFDKPTAR						Mascot
1826.9799	1826.9232	-0.0567	-31	1201	1216	LLGYQLAAYFDKPTAR	17	0				Mascot
1847.8745	1847.8473	-0.0272	-15	588	603	TEPNMHVASFAYSHIK				Oxidation (M)[5]		Mascot
1958.0189	1957.9572	-0.0617	-32	1312	1329	ATNSEKEIELTAALPSQR						Mascot
2233.2009	2233.0156	-0.1853	-83	604	625	SLTRITAPDMAYVAGAAN VAIK						Mascot

16 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733734 149808.5 8.83 10 142 100 132 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
960.4785	960.4465	-0.032	-33	1265	1271	LEVEWER						Mascot
984.4243	984.3897	-0.0346	-35	1237	1244	FSWGAECK				Carbamidomethyl (C)[7]		Mascot
1294.5869	1294.666	0.0791	61	1071	1083	NAPVSSSSSSSR						Mascot
1327.7216	1327.6823	-0.0393	-30	1307	1318	EIELTAALPSQR						Mascot
1642.9315	1642.8798	-0.0517	-31	1168	1182	FLGNDIPPVFIIAR	116	100				Mascot
1642.9315	1642.8798	-0.0517	-31	1168	1182	FLGNDIPPVFIIAR						Mascot

	1660.7119	1660.6855	-0.0264	-16	1149	1164	DTSSGSAASFEQMQK						Oxidation (M)[14]		Mascot
	1826.9799	1826.9232	-0.0567	-31	1190	1205	LLGYQLAAYFDKPTAR								Mascot
	1826.9799	1826.9232	-0.0567	-31	1190	1205	LLGYQLAAYFDKPTAR	17	0						Mascot
	1847.8745	1847.8473	-0.0272	-15	581	596	TEPNMHVASFAYSHIK						Oxidation (M)[5]		Mascot
	1958.0189	1957.9572	-0.0617	-32	1301	1318	ATNSEKEIELTAALPSQR								Mascot
	2233.2009	2233.0156	-0.1853	-83	597	618	SLTRITAPDMAYVAGAAN VAIK								Mascot
17	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]						gi 94733733	149143.4	8.92	8	142	100	132	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
960.4785	960.4465	-0.032	-33	1260	1266	LEVEWER						Mascot	
984.4243	984.3897	-0.0346	-35	1232	1239	FSWGAECK				Carbamidomethyl (C)[7]		Mascot	
1045.5465	1045.5309	-0.0156	-15	1350	1357	DFLSWIHK						Mascot	
1642.9315	1642.8798	-0.0517	-31	1163	1177	FLGNDIPPVFIIAR	116	100				Mascot	
1642.9315	1642.8798	-0.0517	-31	1163	1177	FLGNDIPPVFIIAR						Mascot	
1660.7119	1660.6855	-0.0264	-16	1144	1159	DTSSGSAASFEQMQK				Oxidation (M)[14]		Mascot	
1826.9799	1826.9232	-0.0567	-31	1185	1200	LLGYQLAAYFDKPTAR						Mascot	
1826.9799	1826.9232	-0.0567	-31	1185	1200	LLGYQLAAYFDKPTAR	17	0				Mascot	
1847.8745	1847.8473	-0.0272	-15	581	596	TEPNMHVASFAYSHIK				Oxidation (M)[5]		Mascot	
2233.2009	2233.0156	-0.1853	-83	597	618	SLTRITAPDMAYVAGAAN VAIK						Mascot	

18	vitellogenin 5 [Danio rerio]						gi 57864785	72820.8	9	6	141	100	132	100	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
960.4785	960.4465	-0.032	-33	564	570	LEVEWER						Mascot	
984.4243	984.3897	-0.0346	-35	536	543	FSWGAECK				Carbamidomethyl (C)[7]		Mascot	
1642.9315	1642.8798	-0.0517	-31	467	481	FLGNDIPPVFIIAR	116	100				Mascot	
1642.9315	1642.8798	-0.0517	-31	467	481	FLGNDIPPVFIIAR						Mascot	
1660.7119	1660.6855	-0.0264	-16	448	463	DTSSGSAASFEQMQK				Oxidation (M)[14]		Mascot	
1719.9462	1719.8474	-0.0988	-57	618	632	SLNFIARIPEITMSK						Mascot	
1826.9799	1826.9232	-0.0567	-31	489	504	LLGYQLAAYFDKPTAR						Mascot	
1826.9799	1826.9232	-0.0567	-31	489	504	LLGYQLAAYFDKPTAR	17	0				Mascot	

19	Zgc:136383 protein [Danio rerio]						gi 125857991	148644.2	8.93	7	141	100	132	100	
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification	Rank	Result Type	
	960.4785	960.4465	-0.032	-33	1255	1261 LEVEWER						Mascot	
	984.4243	984.3897	-0.0346	-35	1227	1234 FSWGAECK				Carbamidomethyl (C)[7]		Mascot	
	1045.5465	1045.5309	-0.0156	-15	1345	1352 DFLSWIHK						Mascot	
	1642.9315	1642.8798	-0.0517	-31	1158	1172 FLGNDIPPVFIIAR		116	100			Mascot	
	1642.9315	1642.8798	-0.0517	-31	1158	1172 FLGNDIPPVFIIAR						Mascot	
	1660.7119	1660.6855	-0.0264	-16	1139	1154 DTSSGSAAASFEQMQK				Oxidation (M)[14]		Mascot	
	1826.9799	1826.9232	-0.0567	-31	1180	1195 LLGYQLAAYFDKPTAR						Mascot	
	1826.9799	1826.9232	-0.0567	-31	1180	1195 LLGYQLAAYFDKPTAR		17	0			Mascot	
	2233.2009	2233.0156	-0.1853	-83	592	613 SLTRITAPDMAYVAGAAN VAIK						Mascot	
20	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]					gi 94733731	149169.2	8.84	7	140	100	132	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification	Rank	Result Type	
	960.4785	960.4465	-0.032	-33	1260	1266	LEVEWER					Mascot	
	984.4243	984.3897	-0.0346	-35	1232	1239	FSWGAECK			Carbamidomethyl (C)[7]		Mascot	
	1642.9315	1642.8798	-0.0517	-31	1163	1177	FLGNDIPPVFIIAR	116	100			Mascot	
	1642.9315	1642.8798	-0.0517	-31	1163	1177	FLGNDIPPVFIIAR					Mascot	
	1660.7119	1660.6855	-0.0264	-16	1144	1159	DTSSGSAAASFEQMQK			Oxidation (M)[14]		Mascot	
	1719.9462	1719.8474	-0.0988	-57	1314	1328	SLNFIARIPEITMSK					Mascot	
	1826.9799	1826.9232	-0.0567	-31	1185	1200	LLGYQLAAYFDKPTAR					Mascot	
	1826.9799	1826.9232	-0.0567	-31	1185	1200	LLGYQLAAYFDKPTAR	17	0			Mascot	
	1847.8745	1847.8473	-0.0272	-15	581	596	TEPNMHVSSFAYSHIK					Mascot	
21	Zgc:136383 protein [Danio rerio]				gi 159155252		123957.1	8.78	8	138	100	132	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	960.4785	960.4465	-0.032	-33	1033	1039 LEVEWER					Mascot
	984.4243	984.3897	-0.0346	-35	1005	1012 FSWGAECK			Carbamidomethyl (C)[7]		Mascot
	1045.5465	1045.5309	-0.0156	-15	1123	1130 DFLSWIHK					Mascot
	1642.9315	1642.8798	-0.0517	-31	936	950 FLGNDIPPVFIIAR	116	100			Mascot
	1642.9315	1642.8798	-0.0517	-31	936	950 FLGNDIPPVFIIAR					Mascot
	1660.7119	1660.6855	-0.0264	-16	917	932 DTSSGSAAASFEQMQK			Oxidation (M)[14]		Mascot
	1826.9799	1826.9232	-0.0567	-31	958	973 LLGYQLAAYFDKPTAR					Mascot

	1826.9799	1826.9232	-0.0567	-31	958	973	LLGYQLAAYFDKPTAR	17	0		Mascot
	1847.8745	1847.8473	-0.0272	-15	354	369	TEPNMHVASFAYSHIK		Oxidation (M)[5]		Mascot
	2233.2009	2233.0156	-0.1853	-83	370	391	SLTRITAPDMAYVAGAAN VAIK				Mascot
22	myosin binding protein C, cardiac [Danio rerio]				gi 172072588	142220.7	6.34	17	45	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
833.4264	833.4261	-0.0003	0	42	47	WQRESK					Mascot
848.4545	848.4752	0.0207	24	194	201	VCGESLLK					Mascot
850.4127	850.5135	0.1008	119	212	218	WMDLASK					Mascot
960.4389	960.4465	0.0076	8	657	664	IHLDCMGR			Oxidation (M)[6]		Mascot
1045.4585	1045.5309	0.0724	69	1157	1165	DHDFSEAPK					Mascot
1051.524	1051.6779	0.1539	146	210	218	GKWMDLASK			Oxidation (M)[4]		Mascot
1122.5612	1122.4762	-0.085	-76	212	221	WMDLASKSGK					Mascot
1122.5612	1122.4762	-0.085	-76	212	221	WMDLASKSGK					Mascot
1294.6638	1294.666	0.0022	2	1006	1016	NSDTDILFIR					Mascot
1426.7423	1426.5715	-0.1708	-120	393	405	LEIEVANPDAEVK					Mascot
1642.8395	1642.8798	0.0403	25	700	714	VLTDSDGRVHVESTK					Mascot
1642.8395	1642.8798	0.0403	25	700	714	VLTDSDGRVHVESTK					Mascot
1826.9581	1826.9232	-0.0349	-19	1210	1224	YRMFSNQGVLTLEIR					Mascot
1826.9581	1826.9232	-0.0349	-19	1210	1224	YRMFSNQGVLTLEIR					Mascot
1847.9531	1847.8473	-0.1058	-57	537	553	VKTNGGQSLAELMVQEK			Oxidation (M)[13]		Mascot
1854.0007	1853.9648	-0.0359	-19	393	408	LEIEVANPDAEVKWLK					Mascot
1889.0491	1888.845	-0.2041	-108	1039	1056	ASVNIQIVDVP GPPQNLK					Mascot
2273.1536	2272.9565	-0.1971	-87	235	254	VYTFEMHIIAAKANFAGA YR					Mascot
2463.2515	2463.1772	-0.0743	-30	894	915	EGSDEWIPAFSGLTERTS VIIR					Mascot
3192.6455	3192.3184	-0.3271	-102	539	567	TNGGQSLAELMVQEKQL EVYQSIADLTVK					Mascot
3208.6406	3208.3218	-0.3188	-99	539	567	TNGGQSLAELMVQEKQL EVYQSIADLTVK			Oxidation (M)[11]		Mascot

23	PREDICTED: ubiquitin carboxyl-terminal hydrolase 43-like [Danio rerio]				gi 189517011	128296.5	9.38	16	44	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4377	850.5135	0.0758	89	1077	1084	STSKTNGR					Mascot

870.4315	870.4901	0.0586	67	1147	1154	YSSTSLGR							Mascot
960.4495	960.4465	-0.003	-3	104	111	MFSLYGDK							Mascot
964.5073	964.4218	-0.0855	-89	447	454	FGPPFLMR							Mascot
996.5472	996.5653	0.0181	18	1121	1130	NGPLVPASNK							Mascot
1045.5636	1045.5309	-0.0327	-31	1071	1080	TGTVHKSTSK							Mascot
1051.5353	1051.6779	0.1426	136	522	532	LCGSGGPPHVK							Mascot
1144.615	1144.4584	-0.1566	-137	733	741	AAYILFYQR							Mascot
1287.6262	1287.6293	0.0031	2	656	667	TSCARAPPGWNK							Mascot
1287.6514	1287.6293	-0.0221	-17	200	210	MTVSKYGAQFR							Mascot
1364.678	1364.6533	-0.0247	-18	447	457	FGPPFLMREDR							Mascot
1364.678	1364.6533	-0.0247	-18	447	457	FGPPFLMREDR							Mascot
1564.8516	1564.7358	-0.1158	-74	294	307	QTRPVCVTLVFSSK							Mascot
1826.9006	1826.9232	0.0226	12	472	486	LYYLMINGSQAHNFR							Mascot
1826.9006	1826.9232	0.0226	12	472	486	LYYLMINGSQAHNFR							Mascot
1948.12	1947.9528	-0.1672	-86	311	328	YLRVGLAVPLFGSLACLR							Mascot
2492.2529	2492.147	-0.1059	-42	184	204	ALWTFQYTPQLSAEFKM TVSK				Oxidation (M)[17]			Mascot
3516.6709	3516.5327	-0.1382	-39	120	150	NHGNTCFMNAVQCLSN TDLLAEYLGLERYK							Mascot

24 PREDICTED: hypothetical protein LOC100331050 [Danio rerio] gi|326678098 177019 5.35 19 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.4359	848.4752	0.0393	46	1365	1371	EKSDLEK					Mascot
850.4127	850.5135	0.1008	119	1204	1211	MFGPEAAK					Mascot
964.5574	964.4218	-0.1356	-141	596	603	IFSSRLNK					Mascot
996.5295	996.5653	0.0358	36	593	600	MQKIFSSR					Mascot
1045.4983	1045.5309	0.0326	31	1429	1436	HEEEKMVK			Oxidation (M)[6]		Mascot
1051.5684	1051.6779	0.1095	104	382	389	IHRTFYSK					Mascot
1122.4884	1122.4762	-0.0122	-11	994	1001	IEQEMWDR			Oxidation (M)[5]		Mascot
1122.4884	1122.4762	-0.0122	-11	994	1001	IEQEMWDR			Oxidation (M)[5]		Mascot
1287.6436	1287.6293	-0.0143	-11	911	920	MLLMKHEEEK					Mascot
1287.6436	1287.6293	-0.0143	-11	911	920	MLLMKHEEEK					Mascot
1294.5797	1294.666	0.0863	67	1491	1500	QELQDFEEK					Mascot
1660.8938	1660.6855	-0.2083	-125	872	885	QVSELLEKINNMVK			Oxidation (M)[12]		Mascot
1708.8615	1708.7289	-0.1326	-78	138	152	FSSYVMNSAVYSLIK					Mascot
1719.837	1719.8474	0.0104	6	837	851	DIQHYLNSPGSTLMK			Oxidation (M)[14]		Mascot

	1761.9456	1761.7904	-0.1552	-88	1196	1211	DLLDLITKMFGEAAK									Mascot
	1821.8258	1821.7113	-0.1145	-63	880	895	INNMVKANGGSYYSCK						Carbamidomethyl (C)[15], Oxidation (M)[4]			Mascot
	1947.9116	1947.9528	0.0412	21	1491	1505	QELQDFEEEEKQMHK						Oxidation (M)[12]			Mascot
	2238.1045	2238.0095	-0.095	-42	138	157	FSSYVMNSAVYSLIKVCN GR									Mascot
	2492.1643	2492.147	-0.0173	-7	1460	1479	EEEECEEMILTNAEIQR K						Carbamidomethyl (C)[5]			Mascot
	3454.4131	3454.6113	0.1982	57	222	253	TGSDDEGGGSETGEQEE TGFMTFVFLSTTMMK						Oxidation (M)[21,30,31]			Mascot
	3516.6182	3516.5327	-0.0855	-24	1071	1102	NNEHGNEIPEDQGTSDS EASDLECLRIVLFGK									Mascot
25	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial [Danio rerio]				gi 52219008		66389.4	8.45	11	40	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.4471	848.4752	0.0281	33	70	78	KSVGEGSGK					Mascot
1122.536	1122.4762	-0.0598	-53	190	199	IYNNMPAGSR					Mascot
1122.536	1122.4762	-0.0598	-53	190	199	IYNNMPAGSR					Mascot
1144.611	1144.4584	-0.1526	-133	168	177	YVVGQDHAKK					Mascot
1242.7052	1242.6418	-0.0634	-51	263	275	SNIVLLGPTGSGK					Mascot
1278.6372	1278.671	0.0338	26	189	199	RIYNNMPAGSR					Mascot
1287.6038	1287.6293	0.0255	20	414	425	YLGFGTPSNMGK			Oxidation (M)[10]		Mascot
1287.6038	1287.6293	0.0255	20	414	425	YLGFGTPSNMGK			Oxidation (M)[10]		Mascot
1294.6321	1294.666	0.0339	26	189	199	RIYNNMPAGSR			Oxidation (M)[6]		Mascot
1642.7893	1642.8798	0.0905	55	411	425	NEKYLGFSGTPSNMGK					Mascot
1642.7893	1642.8798	0.0905	55	411	425	NEKYLGFSGTPSNMGK					Mascot
1719.8159	1719.8474	0.0315	18	119	132	CHHFFVLSETDTK			Carbamidomethyl (C)[1]		Mascot
1847.9109	1847.8473	-0.0636	-34	119	133	CHHFFVLSETDTKK			Carbamidomethyl (C)[1]		Mascot
2237.9736	2238.0095	0.0359	16	94	112	CPKCGDPCTHVETVSS TR			Carbamidomethyl (C)[1,4,8]		Mascot
3454.7859	3454.6113	-0.1746	-51	215	246	ELLQIAGISPHGNALGAS MQQLNQQTPEKR					Mascot

26 PREDICTED: gigaxonin-like [Danio rerio] gi|326676001 67790.5 5.6 12 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
913.493	913.5172	0.0242	26	534	540	IFPYAFR					Mascot
913.493	913.5172	0.0242	26	534	540	IFPYAFR					Mascot
964.5396	964.4218	-0.1178	-122	578	585	IANCKLFR					Mascot

1045.4805	1045.5309	0.0504	48	488	496	FGSCATMKK	Carbamidomethyl (C)[4], Oxidation (M)[7]	Mascot
1122.5533	1122.4762	-0.0771	-69	251	259	LCELLSMEK	Carbamidomethyl (C)[2]	Mascot
1122.5533	1122.4762	-0.0771	-69	251	259	LCELLSMEK	Carbamidomethyl (C)[2]	Mascot
1287.6514	1287.6293	-0.0221	-17	497	508	RLYVMGGGSYGK		Mascot
1287.6514	1287.6293	-0.0221	-17	497	508	RLYVMGGGSYGK		Mascot
1327.5704	1327.6823	0.1119	84	368	377	CMCPLYDRNR	Carbamidomethyl (C)[1]	Mascot
1364.6772	1364.6533	-0.0239	-18	571	582	TSCAALRIANCK	Carbamidomethyl (C)[3,11]	Mascot
1364.6772	1364.6533	-0.0239	-18	571	582	TSCAALRIANCK	Carbamidomethyl (C)[3,11]	Mascot
1708.7881	1708.7289	-0.0592	-35	57	71	MIVTDEEASMSDPKR		Mascot
1759.8134	1759.788	-0.0254	-14	236	250	DVANTEEFLQPPDR		Mascot
1759.8134	1759.788	-0.0254	-14	236	250	DVANTEEFLQPPDR		Mascot
1847.9353	1847.8473	-0.088	-48	251	266	LCELLSMEKLNVGNER		Mascot
1853.8818	1853.9648	0.083	45	361	375	KPTAVARCMCPLYDR	Carbamidomethyl (C)[8,10], Oxidation (M)[9]	Mascot
2232.9067	2233.0156	0.1089	49	1	19	MAMQKDSTSNSAGCWQ ENR	Carbamidomethyl (C)[14], Oxidation (M)[1,3]	Mascot

27 fragile X mental retardation syndrome-related protein 2 gi|45433537 74805.3 6.85 11 37 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
913.4849	913.5172	0.0323	35	326	333	LPREEGGR	1	0			Mascot
913.4849	913.5172	0.0323	35	326	333	LPREEGGR					Mascot
1045.5272	1045.5309	0.0037	4	316	324	VRIEGDNDK					Mascot
1067.552	1067.4775	-0.0745	-70	49	57	LPPPTDYHK					Mascot
1242.6147	1242.6418	0.0271	22	139	148	DICLTENIHK			Carbamidomethyl (C)[3]		Mascot
1327.6713	1327.6823	0.011	8	400	413	APPSRSGSGVAGER					Mascot
1616.7274	1616.7799	0.0525	32	71	83	ANEQEPCGWWLAR			Carbamidomethyl (C)[7]		Mascot
1616.7274	1616.7799	0.0525	32	71	83	ANEQEPCGWWLAR			Carbamidomethyl (C)[7]		Mascot
1660.8112	1660.6855	-0.1257	-76	139	151	DICLTENIHKDFR			Carbamidomethyl (C)[3]		Mascot
1999.9865	2000.0299	0.0434	22	656	676	RSPSNGVASPGALAMV NGVS					Mascot
2010.0443	2009.8694	-0.1749	-87	41	57	QLPFSDVRLPPPTDYHK					Mascot
2275.2114	2274.9607	-0.2507	-110	129	148	VPIAVPEDLRDICLTENIHK					Mascot
3270.5813	3270.2292	-0.3521	-108	22	48	DVHEDSLTIVFENNWWQPE ERQLPFSDVR					Mascot

28 ADP/ATP translocase 1 [Danio rerio] gi|47550717 32667.2 9.74 8 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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				Seq.	Seq.	Score				
	848.4875	848.4752	-0.0123	-14	98	105	IFLGGVDK			Mascot
	984.4423	984.3897	-0.0526	-53	238	245	MMMQSGRK	Oxidation (M)[1]		Mascot
	996.4536	996.5653	0.1117	112	237	244	RMMMQSGR			Mascot
	1616.7448	1616.7799	0.0351	22	246	259	GADIMYKGTIDCWK	Oxidation (M)[5]		Mascot
	1616.7448	1616.7799	0.0351	22	246	259	GADIMYKGTIDCWK	Oxidation (M)[5]		Mascot
	1957.9728	1957.9572	-0.0156	-8	189	206	AAYFGIYDTAKGMLPDPK			Mascot
	2010.0146	2009.8694	-0.1452	-72	44	60	QITADMQYKGIIDCVVR	Carbamidomethyl (C)[14]		Mascot
	2283.2053	2283.1091	-0.0962	-42	1	23	MSDAAISFLKDFLAGGVA AAISK			Mascot
	2284.2236	2284.106	-0.1176	-51	73	92	GNLANVIRYFPTQALNFA FK			Mascot
29	cytosolic carboxypeptidase 2 [Danio rerio]				gi 149773464	82183.6	8.64	13	36	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.5155	870.4901	-0.0254	-29	182	190	VGGSRGPIK					Mascot
984.4892	984.3897	-0.0995	-101	523	530	VFPLMMSK			Oxidation (M)[5,6]		Mascot
1184.5636	1184.3943	-0.1693	-143	239	246	HTQWFYFR					Mascot
1287.5826	1287.6293	0.0467	36	468	477	DSFPCIWYTR					Mascot
1287.5826	1287.6293	0.0467	36	468	477	DSFPCIWYTR					Mascot
1642.9196	1642.8798	-0.0398	-24	615	628	CLEELGVLLKQEIR					Mascot
1642.9196	1642.8798	-0.0398	-24	615	628	CLEELGVLLKQEIR					Mascot
1758.9207	1758.7832	-0.1375	-78	435	450	VIPMLNPDGVVVGNYR			Oxidation (M)[4]		Mascot
1759.8295	1759.788	-0.0415	-24	468	481	DSFPCIWYTRNMVK					Mascot
1759.8295	1759.788	-0.0415	-24	468	481	DSFPCIWYTRNMVK					Mascot
1821.8397	1821.7113	-0.1284	-70	266	282	SSSLYGAGMCPLLYSEK			Oxidation (M)[9]		Mascot
1847.8567	1847.8473	-0.0094	-5	464	477	SMLRDSFPCIWYTR			Carbamidomethyl (C)[9], Oxidation (M)[2]		Mascot
1958.0607	1957.9572	-0.1035	-53	85	100	QLVFDFDGERPIRLR					Mascot
2238.0496	2238.0095	-0.0401	-18	162	181	GNTVYCIDPATKASSFTY SR			Carbamidomethyl (C)[6]		Mascot
2297.9221	2298.1167	0.1946	85	592	611	SMGYCFCDTLDFCDPD PAK			Carbamidomethyl (C)[5]		Mascot
3454.5098	3454.6113	0.1015	29	582	611	GTHFSTLDLKSMGYCFC DTLLDFCDPDPAK			Carbamidomethyl (C)[15,17]		Mascot

30 novel protein (zgc:112421) [Danio rerio] gi|157886040 29193.6 4.43 7 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	850.5396	850.5135	-0.0261	-31	253	259	LLIEILH											Mascot
	1144.5746	1144.4584	-0.1162	-102	69	77	EAYLQVHER											Mascot
	1327.6497	1327.6823	0.0326	25	177	187	DCYVTLVRCAK											Mascot
	1719.8582	1719.8474	-0.0108	-6	29	44	GMGTDEETIISILANR											Mascot
	1947.9004	1947.9528	0.0524	27	234	251	YDVTCLKDALSSECGGDF K											Mascot
	2233.124	2233.0156	-0.1084	-49	29	49	GMGTDEETIISILANRSAA QR											Mascot
	2284.0881	2284.106	0.0179	8	60	77	YDDDILNYKEAYLQVHER											Mascot

31 PREDICTED: hypothetical protein LOC797378 [Danio rerio] gi|292622805 72531.1 6.46 6 35 0 23 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.577	870.4901	-0.0869	-100	493	500	VAIKVVNK					Mascot
882.4501	882.5381	0.088	100	1	7	MSTRPFK			Oxidation (M)[1]		Mascot
964.4152	964.4218	0.0066	7	222	230	AGCLDQDSR					Mascot
1287.7015	1287.6293	-0.0722	-56	566	577	KNNGLLSESVAR					Mascot
1287.7015	1287.6293	-0.0722	-56	566	577	KNNGLLSESVAR	23		0		Mascot
1615.7856	1615.7893	0.0037	2	323	338	QMKTAEIQHGGSSGGK					Mascot
2224.9221	2225.0535	0.1314	59	51	68	LSEMENTRDTMTSYEE K			Oxidation (M)[4,12]		Mascot

32 protein kinase C beta type [Danio rerio] gi|41055807 76256.4 6.18 13 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
975.5482	975.4407	-0.1075	-110	18	26	GFARQGALR					Mascot
984.5294	984.3897	-0.1397	-142	571	579	GLMTKHPGK			Oxidation (M)[3]		Mascot
1239.6072	1239.5887	-0.0185	-15	560	570	SMSKEAIAICK			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
1642.8695	1642.8798	0.0103	6	334	347	MKLSDFNFLMVLGK	2		0		Mascot
1642.8695	1642.8798	0.0103	6	334	347	MKLSDFNFLMVLGK					Mascot
1660.7213	1660.6855	-0.0358	-22	593	604	EHGFFRYMDWEK			Oxidation (M)[8]		Mascot
1758.7898	1758.7832	-0.0066	-4	142	157	CVANVPSLCGTDHTER			Carbamidomethyl (C)[1]		Mascot
1826.9316	1826.9232	-0.0084	-5	463	478	DLKLDNVMLDAEGHIK			Oxidation (M)[8]		Mascot
1826.9316	1826.9232	-0.0084	-5	463	478	DLKLDNVMLDAEGHIK			Oxidation (M)[8]		Mascot
1847.801	1847.8473	0.0463	25	1	17	MAEPANSDGEERSAPMR					Mascot
1853.8143	1853.9648	0.1505	81	373	388	DVVIQDDDVECTMVEK			Oxidation (M)[13]		Mascot

2000.0521	2000.0299	-0.0222	-11	181	198	NLVPMDPNGLSDPYVKL K						Mascot
2009.9154	2009.8694	-0.046	-23	373	389	DVVIQDDDDVECTMVEKR			Oxidation (M)[13]			Mascot
2273.1094	2272.9565	-0.1529	-67	213	231	TIKCLNPTWNETFTFNL K						Mascot
3270.5281	3270.2292	-0.2989	-91	103	130	FKVHTYSSPTFCDHCGS LLYGLIHQGMR			Carbamidomethyl (C)[12], Oxidation (M)[27]			Mascot

33 PREDICTED: sodium channel protein type 2 subunit
alpha-like [Danio rerio] gi|326670825 34934.5 9.46 7 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
913.5717	913.5172	-0.0545	-60	212	220	TISVVPGLK					Mascot
913.5717	913.5172	-0.0545	-60	212	220	TISVVPGLK					Mascot
1122.4731	1122.4762	0.0031	3	300	311	DALICGNSSDAG					Mascot
1122.4731	1122.4762	0.0031	3	300	311	DALICGNSSDAG					Mascot
1278.567	1278.671	0.104	81	263	273	CVYSTSFTENK					Mascot
1616.8934	1616.7799	-0.1135	-70	145	158	YVFTGIYTLALVK					Mascot
1616.8934	1616.7799	-0.1135	-70	145	158	YVFTGIYTLALVK					Mascot
1697.8615	1697.8694	0.0079	5	1	15	MAHMFTPPGPQSLRK	2		0		Mascot
1697.8615	1697.8694	0.0079	5	1	15	MAHMFTPPGPQSLRK					Mascot
1761.8184	1761.7904	-0.028	-16	45	60	DNECSRKPNSGLEAGK			Carbamidomethyl (C)[4]		Mascot
3269.8477	3270.2292	0.3815	117	232	260	KLSDVMILTLFCLSVFALV GLQLFMGILK			Carbamidomethyl (C)[12]		Mascot

34 PREDICTED: hypothetical protein LOC100535533
[Danio rerio] gi|326671744 3229.6 9.19 4 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.4641	996.5653	0.1012	102	4	12	AGPVFSCMK			Carbamidomethyl (C)[7]		Mascot
1287.5894	1287.6293	0.0399	31	1	12	MGKAGPVFSCMK			Oxidation (M)[1,11]		Mascot
1287.5894	1287.6293	0.0399	31	1	12	MGKAGPVFSCMK			Oxidation (M)[1,11]		Mascot
1364.674	1364.6533	-0.0207	-15	13	24	HNGHAISMEIQK					Mascot
1364.674	1364.6533	-0.0207	-15	13	24	HNGHAISMEIQK					Mascot
2009.9862	2009.8694	-0.1168	-58	13	30	HNGHAISMEIQKTGLWTA			Oxidation (M)[8]		Mascot

35 CDC48 [Danio rerio] gi|34740143 89351.7 5.13 12 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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											Seq.	Seq.	Score							
	870.5267	870.4901	-0.0366	-42	87	93	VVRNNLR												Mascot	
	1051.5242	1051.6779	0.1537	146	46	53	MDELQLFR												Mascot	
	1067.519	1067.4775	-0.0415	-39	46	53	MDELQLFR						Oxidation (M)[1]						Mascot	
	1242.6324	1242.6418	0.0094	8	366	377	EVDIGIPDATGR												Mascot	
	1660.8289	1660.6855	-0.1434	-86	363	377	FDREVDIGIPDATGR												Mascot	
	1697.8085	1697.8694	0.0609	36	600	614	VINQILTEMDGMSSK						Oxidation (M)[9,12]						Mascot	
	1697.8085	1697.8694	0.0609	36	600	614	VINQILTEMDGMSSK						Oxidation (M)[9,12]						Mascot	
	1758.7786	1758.7832	0.0046	3	678	693	MTNGFSGADLTEICQR						Oxidation (M)[1]						Mascot	
	1826.9469	1826.9232	-0.0237	-13	639	653	LDHIMYIPLDEKSR												Mascot	
	1826.9469	1826.9232	-0.0237	-13	639	653	LDHIMYIPLDEKSR												Mascot	
	1888.9836	1888.845	-0.1386	-73	96	112	LGDVISIQPCPDVKYK						Carbamidomethyl (C)[10]						Mascot	
	1999.9768	2000.0299	0.0531	27	506	524	FGMTPSKGVLFYGP						Carbamidomethyl (C)[17]						Mascot	
						GK														
	2284.0762	2284.106	0.0298	13	714	733	QTNPSAMEVEEDDPVPEI												Mascot	
						RK														
	3192.6091	3192.3184	-0.2907	-91	26	53	LIVDESINEDNSVVSLSQA												Mascot	
						KMDELQLFR														
	3208.6042	3208.3218	-0.2824	-88	26	53	LIVDESINEDNSVVSLSQA						Oxidation (M)[21]						Mascot	
						KMDELQLFR														
	3454.677	3454.6113	-0.0657	-19	530	560	AIANECQANFISIKGPELL						Oxidation (M)[21]						Mascot	
						TMWFGESSEANVR														
36	thioredoxin domain-containing protein 9 [Danio rerio]				gi 41053343		26057.5	5.77	8	35	0									
Peptide Information																				
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification		Rank	Result	Type					
	833.4515	833.4261	-0.0254	-30	130	136	APFLTER											Mascot		
	913.4196	913.5172	0.0976	107	98	104	DSTFRCK				Carbamidomethyl (C)[6]							Mascot		
	913.4196	913.5172	0.0976	107	98	104	DSTFRCK				Carbamidomethyl (C)[6]							Mascot		
	1067.509	1067.4775	-0.0315	-30	90	97	SVVCHFYZ				Carbamidomethyl (C)[4]							Mascot		
	1242.6801	1242.6418	-0.0383	-31	12	22	ALEQQVLQSAR											Mascot		
	1564.7893	1564.7358	-0.0535	-34	74	86	EIPSEKDFPPEVK											Mascot		
	1616.7638	1616.7799	0.0161	10	90	102	SVVCHFYZDSTFR											Mascot		
	1616.7638	1616.7799	0.0161	10	90	102	SVVCHFYZDSTFR											Mascot		
	1847.9055	1847.8473	-0.0582	-31	23	37	MVEEQLDAELEKLER				Oxidation (M)[1]							Mascot		
	2273.1919	2272.9565	-0.2354	-104	2	22	ASQSMDIVAKALEQQVL											Mascot		
						QSAR														
37	hypothetical protein LOC100145413 [Xenopus (Silurana) tropicalis]				gi 187607099		39415.2	9.16	11	34	0									

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
833.3141	833.4261	0.112	134	290	296	CSHCNNR					Mascot
848.5239	848.4752	-0.0487	-57	325	332	FTLLGGLK					Mascot
1067.5884	1067.4775	-0.1109	-104	240	248	SFAWKTSLK					Mascot
1287.5344	1287.6293	0.0949	74	229	239	EKPYSCECGK			Carbamidomethyl (C)[6]		Mascot
1287.5344	1287.6293	0.0949	74	229	239	EKPYSCECGK			Carbamidomethyl (C)[6]		Mascot
1616.7961	1616.7799	-0.0162	-10	277	289	RQQMNHTGEKPYK					Mascot
1616.7961	1616.7799	-0.0162	-10	277	289	RQQMNHTGEKPYK					Mascot
1719.8284	1719.8474	0.019	11	30	43	QEETEEQDLKEIK					Mascot
1761.8887	1761.7904	-0.0983	-56	290	304	CSHCNNRFSLLGILK			Carbamidomethyl (C)[1]		Mascot
1999.9952	2000.0299	0.0347	17	81	96	IHMRIHTGEKPYTCTR			Carbamidomethyl (C)[14]		Mascot
2211.1702	2211.0359	-0.1343	-61	184	202	SFIQLSTLNLHMRHAGE K			Oxidation (M)[12]		Mascot
2273.0437	2272.9565	-0.0872	-38	305	323	THEKIHTGEKPFQCSQCD K			Carbamidomethyl (C)[14]		Mascot
2274.9915	2274.9607	-0.0308	-14	278	296	QQMNHTGEKPYKCSHC NNR					Mascot
38	F-box/LRR-repeat protein 2 [Danio rerio]			gi 41152474		48124.1	7.66	9	34	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.4654	870.4901	0.0247	28	137	142	FCFKLR			Carbamidomethyl (C)[2]		Mascot
913.5828	913.5172	-0.0656	-72	271	278	LKILEAAR	5	0			Mascot
913.5828	913.5172	-0.0656	-72	271	278	LKILEAAR					Mascot
975.4788	975.4407	-0.0381	-39	373	379	NCQRLER			Carbamidomethyl (C)[2]		Mascot
1067.486	1067.4775	-0.0085	-8	96	106	GCLSVGDASMK					Mascot
1821.9528	1821.7113	-0.2415	-133	195	210	ALFLRGCTQLDDTALK			Carbamidomethyl (C)[7]		Mascot
2233.0601	2233.0156	-0.0445	-20	107	125	TFAQNCRNIEHLNLNGCT K			Carbamidomethyl (C)[6]		Mascot
2275.1287	2274.9607	-0.168	-74	44	63	CAQVSKAWNVLALDGSN WQK			Carbamidomethyl (C)[1]		Mascot
2463.3164	2463.1772	-0.1392	-57	352	372	LQVVELDNCPLITDITLEH LK			Carbamidomethyl (C)[9]		Mascot
3454.6035	3454.6113	0.0078	2	159	188	ALSEGCRMLENLNLSWC DQITSDGIEALSR			Carbamidomethyl (C)[6,17], Oxidation (M)[8]		Mascot
39	vesicle-fusing ATPase [Danio rerio]			gi 113195584		82532.7	6.4	12	34	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type

	913.4413	913.5172	0.0759	83	226	232	EFSDIFR						Mascot
	913.4413	913.5172	0.0759	83	226	232	EFSDIFR						Mascot
	1239.644	1239.5887	-0.0553	-45	28	38	DLQSGQHVTVR						Mascot
	1327.6899	1327.6823	-0.0076	-6	447	458	AAQSTAMNRHIK						Mascot
	1615.8108	1615.7893	-0.0215	-13	456	469	HIKATSTVEVDMER						Mascot
	1660.8033	1660.6855	-0.1178	-71	567	581	ICSPDKMIGHSEISK			Oxidation (M)[7]			Mascot
	1826.9292	1826.9232	-0.006	-3	239	254	VFPDIVEQMGCKHVK						Mascot
	1826.9292	1826.9232	-0.006	-3	239	254	VFPDIVEQMGCKHVK						Mascot
	1847.9055	1847.8473	-0.0582	-31	151	168	DIEAMDSSILKGEPASGK						Mascot
	1853.95	1853.9648	0.0148	8	90	105	QCIGAMTIEIDFLQKK			Oxidation (M)[6]			Mascot
	2010.0146	2009.8694	-0.1452	-72	88	104	SRQCIGAMTIEIDFLQK			Carbamidomethyl (C)[4]			Mascot
	2238.093	2238.0095	-0.0835	-37	435	455	NYSGAELEGLVRAAQST AMNR						Mascot
	2283.198	2283.1091	-0.0889	-39	510	529	WGDPVTRVLEDGELLVQ QTK						Mascot
	2298.1401	2298.1167	-0.0234	-10	68	87	KWAGLSIGQEIEVSNNF DK						Mascot
40	leucine carboxyl methyltransferase 1 [Danio rerio]				gi 57524448	37488.8	5.39	10	34	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	842.4518	842.4833	0.0315	37	60	66	GYGRVK					Mascot
	848.3818	848.4752	0.0934	110	101	107	DENVMPK			Oxidation (M)[5]		Mascot
	960.4819	960.4465	-0.0354	-37	101	108	DENVMPKK					Mascot
	1239.5457	1239.5887	0.043	35	19	29	ATCDDASICKR			Carbamidomethyl (C)[3]		Mascot
	1278.6763	1278.671	-0.0053	-4	67	77	GMNLLDDFLK					Mascot
	1294.6711	1294.666	-0.0051	-4	67	77	GMNLLDDFLK			Oxidation (M)[2]		Mascot
	1598.84	1598.7639	-0.0761	-48	109	121	FFEVDFFPMIVARK					Mascot
	1598.84	1598.7639	-0.0761	-48	108	120	KFFEVDFFPMIVAR					Mascot
	1821.8469	1821.7113	-0.1356	-74	240	256	QCNLAGVDLCQSLDSQK					Mascot
	2284.0486	2284.106	0.0574	25	79	98	TQCDCQVVNLGAGLDTT FWR			Carbamidomethyl (C)[3]		Mascot
	3192.4685	3192.3184	-0.1501	-47	259	286	FLSSGWESVNALDMMTV YSMLPQEDVAR			Oxidation (M)[14]		Mascot
	3208.4636	3208.3218	-0.1418	-44	259	286	FLSSGWESVNALDMMTV YSMLPQEDVAR			Oxidation (M)[14,15]		Mascot
41	phosphate cytidyltransferase 1, choline, alpha b [Danio rerio]				gi 66472246	41127.4	6.3	9	33	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	833.4363	833.4261	-0.0102	-12	252	258 NVEEKSK					Mascot
	842.4553	842.4833	0.028	33	298	304 HMLKEGK					Mascot
	1144.6255	1144.4584	-0.1671	-146	305	314 GRMLQAISPR			Oxidation (M)[3]		Mascot
	1364.6328	1364.6533	0.0205	15	19	31 SNGEIAEGESFPK					Mascot
	1364.6328	1364.6533	0.0205	15	19	31 SNGEIAEGESFPK					Mascot
	1660.9229	1660.6855	-0.2374	-143	194	208 TEGISTSDIITRIVR					Mascot
	1826.8312	1826.9232	0.092	50	130	144 YDAVCHCRYVDEVVR					Mascot
	1826.8312	1826.9232	0.092	50	130	144 YDAVCHCRYVDEVVR					Mascot
	1957.976	1957.9572	-0.0188	-10	59	75 VSMDALRGTPPEERPVR			Oxidation (M)[3]		Mascot
	2238.0933	2238.0095	-0.0838	-37	98	117 CLFPNTYLIVGVCSDDLT HK					Mascot
	2274.9324	2274.9607	0.0283	12	120	137 GFTVMNEDERYDAVCHC R			Carbamidomethyl (C)[15,17], Oxidation (M)[5]		Mascot
42	novel protein similar to vertebrate RNA (guanine-9-) methyltransferase domain containing 1 (RG9MTD1)				gi 220673075		34436.4	9.46	7	33	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	850.3876	850.5135	0.1259	148	241	247 QTGCWQK					Mascot
	1122.5975	1122.4762	-0.1213	-108	182	191 VYIVGAMVDR	9	0			Mascot
	1122.5975	1122.4762	-0.1213	-108	182	191 VYIVGAMVDR					Mascot
	1239.5642	1239.5887	0.0245	20	14	23 MCVCCQISVR			Carbamidomethyl (C)[2], Oxidation (M)[1]		Mascot
	1327.6138	1327.6823	0.0685	52	59	69 NNSIESAHNWR					Mascot
	1598.7793	1598.7639	-0.0154	-10	1	12 MMFLRWCFPPVR			Oxidation (M)[1]		Mascot
	1598.7793	1598.7639	-0.0154	-10	1	12 MMFLRWCFPPVR			Oxidation (M)[1]		Mascot
	1759.0146	1758.7832	-0.2314	-132	226	240 NLTLQDMIRILTTVK					Mascot
	1947.8833	1947.9528	0.0695	36	14	29 MCVCCQISVRSFSSSR			Carbamidomethyl (C)[2,4], Oxidation (M)[1]		Mascot
43	RecName: Full=Retinol dehydrogenase 10-B				gi 251831595		37794.1	7.95	9	33	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1122.6418	1122.4762	-0.1656	-148	51	59 LFALEFARR					Mascot
	1122.6418	1122.4762	-0.1656	-148	51	59 LFALEFARR					Mascot
	1144.5278	1144.4584	-0.0694	-61	315	323 CMAPFLAQR			Oxidation (M)[2]		Mascot
	1165.5454	1165.7097	0.1643	141	287	295 VMYMTFMK			Oxidation (M)[2]		Mascot

	1294.7001	1294.666	-0.0341	-26	118	128	ESVYLTAEKVR							Mascot
	1364.6338	1364.6533	0.0195	14	107	117	VYTYMCDVSKR							Mascot
	1364.6338	1364.6533	0.0195	14	107	117	VYTYMCDVSKR							Mascot
	1759.8658	1759.788	-0.0778	-44	309	323	FIGADKCMYPFLAQR							Mascot
	1759.8658	1759.788	-0.0778	-44	309	323	FIGADKCMYPFLAQR							Mascot
	1826.8337	1826.9232	0.0895	49	71	85	QSNEETAEMAREIYR							Mascot
	1826.8337	1826.9232	0.0895	49	71	85	QSNEETAEMAREIYR							Mascot
	2463.1931	2463.1772	-0.0159	-6	61	81	ATLVLDINRQSNEETAEMAR			Oxidation (M)[19]				Mascot
	3270.4951	3270.2292	-0.2659	-81	148	173	HLLDCPDELIERTMMVNC HAHFWTTK			Carbamidomethyl (C)[5,18], Oxidation (M)[14]				Mascot
44	novel protein [Danio rerio]				gi 157888703		27300.3	8.82	9	33	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
975.4135	975.4407	0.0272	28	192	199	HKCDQCGK			Carbamidomethyl (C)[3]		Mascot
1294.7155	1294.666	-0.0495	-38	200	209	TFLRPYELQK					Mascot
1564.7411	1564.7358	-0.0053	-3	11	23	QEDTEELIDVMVK			Oxidation (M)[11]		Mascot
1616.7883	1616.7799	-0.0084	-5	131	144	VHTKEKPSCSVCGK			Carbamidomethyl (C)[9,12]		Mascot
1616.7883	1616.7799	-0.0084	-5	131	144	VHTKEKPSCSVCGK			Carbamidomethyl (C)[9,12]		Mascot
1642.7676	1642.8798	0.1122	68	135	148	EKPSCSVCGKSFTR			Carbamidomethyl (C)[5,8]		Mascot
1642.7676	1642.8798	0.1122	68	135	148	EKPSCSVCGKSFTR			Carbamidomethyl (C)[5,8]		Mascot
1759.7891	1759.788	-0.0011	-1	217	231	ERPYSCECGKSFTR					Mascot
1759.7891	1759.788	-0.0011	-1	217	231	ERPYSCECGKSFTR					Mascot
1847.8527	1847.8473	-0.0054	-3	213	227	VHTKERPYSCPEGK			Carbamidomethyl (C)[10,13]		Mascot
1888.9619	1888.845	-0.1169	-62	44	61	TEHSIVAVKALTCTQCGK					Mascot
2233.0059	2233.0156	0.0097	4	71	89	GHMRTHTGEKPFCTQCGK			Carbamidomethyl (C)[14,17]		Mascot

45 PREDICTED: zinc finger protein 260-like [Danio rerio] gi|326680512 34530.9 9.17 9 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1067.6108	1067.4775	-0.1333	-125	198	206	GFRLPVNHK					Mascot
1184.5088	1184.3943	-0.1145	-97	192	200	CYHCGKGFR			Carbamidomethyl (C)[1,4]		Mascot
1242.5063	1242.6418	0.1355	109	104	113	MDFTCKHCGK			Carbamidomethyl (C)[5], Oxidation (M)[1]		Mascot
1294.6525	1294.666	0.0135	10	2	12	AFIKEESEDVK					Mascot
1564.7914	1564.7358	-0.0556	-36	254	266	HFRSSGHLTVHMR					Mascot

	1697.741	1697.8694	0.1284	76	77	90	TFACYQCCKSFSNK						Carbamidomethyl (C)[4,7]	Mascot
	1697.741	1697.8694	0.1284	76	77	90	TFACYQCCKSFSNK						Carbamidomethyl (C)[4,7]	Mascot
	2238.0317	2238.0095	-0.0222	-10	155	174	IHTGEKPYTCSEGLSFT HK							Mascot
	2283.0896	2283.1091	0.0195	9	127	146	IHTGEKPYTCSQCGLSFA VK						Carbamidomethyl (C)[10,13]	Mascot
	3192.575	3192.3184	-0.2566	-80	127	154	IHTGEKPYTCSQCGLSFA VKTTLNHMR						Carbamidomethyl (C)[10]	Mascot
	3208.5701	3208.3218	-0.2483	-77	127	154	IHTGEKPYTCSQCGLSFA VKTTLNHMR						Carbamidomethyl (C)[10], Oxidation (M)[27]	Mascot
46	lysosomal cofactor/neurotrophic factor prosaposin [Danio rerio]						gi 17985369	57393.6	4.86	5	32	0	22	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.4302	1045.5309	0.1007	96	508	515	CNALDHCR			Carbamidomethyl (C)[1,7]		Mascot
1144.5099	1144.4584	-0.0515	-45	508	516	CNALDHCR			Carbamidomethyl (C)[1]		Mascot
1287.7493	1287.6293	-0.12	-93	279	290	SIPAVKMFPVAVK					Mascot
1287.7493	1287.6293	-0.12	-93	279	290	SIPAVKMFPVAVK	22	0			Mascot
1616.6753	1616.7799	0.1046	65	308	320	DSPQCAICEYVMK			Carbamidomethyl (C)[5,8], Oxidation (M)[12]		Mascot
1616.6753	1616.7799	0.1046	65	308	320	DSPQCAICEYVMK			Carbamidomethyl (C)[5,8], Oxidation (M)[12]		Mascot
2000.1102	2000.0299	-0.0803	-40	162	178	VSPFLLNIPQLLYPEEK					Mascot

47 vacuolar fusion protein CCZ1 homolog [Danio rerio] gi|41055976 55859.1 5.73 10 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
848.3995	848.4752	0.0757	89	35	41	EGEEEEKK					Mascot
960.5512	960.4465	-0.1047	-109	280	288	FLTGPANLK					Mascot
1615.8182	1615.7893	-0.0289	-18	395	409	MASVSLTSVHPDLMK					Mascot
1758.8632	1758.7832	-0.08	-45	467	480	RLCATQFNIFFLD			Carbamidomethyl (C)[3]		Mascot
1759.9081	1759.788	-0.1201	-68	394	409	KMASVSLTSVHPDLMK			Oxidation (M)[2]		Mascot
1759.9081	1759.788	-0.1201	-68	394	409	KMASVSLTSVHPDLMK			Oxidation (M)[2]		Mascot
1848.0225	1847.8473	-0.1752	-95	204	219	IQSFVNRVEESLSLVK					Mascot
2273.0154	2272.9565	-0.0589	-26	88	104	QFFHEPEENYWMVMV R			Oxidation (M)[12,14]		Mascot
2275.1909	2274.9607	-0.2302	-101	16	34	QYTPSLLSFFIYNPKFGP R					Mascot
2284.1001	2284.106	0.0059	3	376	393	FIYFNHNMNLAEKSTIHMR			Oxidation (M)[7,17]		Mascot
2463.207	2463.1772	-0.0298	-12	410	430	ILGDINCFARVDEDEEII VK			Carbamidomethyl (C)[7]		Mascot

48 novel protein similar to vertebrate N-glycanase 1 gi|126632448 72396.7 6 1 24 0

(NGLY1) [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
913.5577	913.5172	-0.0405	-44	415	421 KQQLLQR	24	0		2	Mascot

49 zinc finger CCCH domain-containing protein 10 [Danio rerio] gi|46309561 55532.6 8.3 1 24 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
913.5464	913.5172	-0.0292	-32	138	145 KTGELPLR	24	0		3	Mascot

50 PREDICTED: hypothetical protein LOC796277 [Danio rerio] gi|292622807 79431.9 5.54 1 23 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1287.7015	1287.6293	-0.0722	-56	638	649 KNNGLLSSEVAR	23	0		2	Mascot

Gel Idx/Pos	238/J14	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Vtg1 protein [Danio rerio]	gi 63100501	36409.1	9.23	16	853	100	738	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4244	-0.0213	-26	198	204 QYAVFAK					Mascot
895.5359	895.4765	-0.0594	-66	81	88 ANHIIVTK					Mascot
960.4785	960.453	-0.0255	-27	218	224 LEVEWER	44	98.825			Mascot
960.4785	960.453	-0.0255	-27	218	224 LEVEWER					Mascot
976.5322	976.4487	-0.0835	-86	25	32 FSSVPRQR					Mascot
984.4243	984.395	-0.0293	-30	190	197 FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.395	-0.0293	-30	190	197 FSWGAECK	51	99.803	Carbamidomethyl (C)[7]		Mascot
1118.682	1118.6486	-0.0334	-30	225	234 LPIIVTTYAK					Mascot

	1287.6691	1287.6376	-0.0315	-24	205	217	AEAGVLGEFPAAR	112	100		Mascot		
	1287.6691	1287.6376	-0.0315	-24	205	217	AEAGVLGEFPAAR				Mascot		
	1327.7216	1327.687	-0.0346	-26	260	271	EIELTAALPSQR				Mascot		
	1327.7216	1327.687	-0.0346	-26	260	271	EIELTAALPSQR	90	100		Mascot		
	1364.6957	1364.6595	-0.0362	-27	239	250	HILTAAYDTGFR	83	100		Mascot		
	1364.6957	1364.6595	-0.0362	-27	239	250	HILTAAYDTGFR				Mascot		
	1383.7743	1383.6537	-0.1206	-87	13	24	VWPEQVLKSAAR				Mascot		
	1642.9315	1642.8878	-0.0437	-27	121	135	FLGNDIPPVFIIAR	131	100		Mascot		
	1642.9315	1642.8878	-0.0437	-27	121	135	FLGNDIPPVFIIAR				Mascot		
	1660.8574	1660.8142	-0.0432	-26	159	173	VQLIVSSIAENDNMK				Mascot		
	1676.8523	1676.8079	-0.0444	-26	159	173	VQLIVSSIAENDNMK			Oxidation (M)[14]	Mascot		
	1796.9078	1796.959	0.0512	28	239	253	HILTAAYDTGFRFER				Mascot		
	1826.9799	1826.9319	-0.048	-26	143	158	LLGYQLAAYFDKPTAR				Mascot		
	1826.9799	1826.9319	-0.048	-26	143	158	LLGYQLAAYFDKPTAR	137	100		Mascot		
	1958.0189	1957.9656	-0.0533	-27	254	271	ATNSEKEIELTAALPSQR				Mascot		
	1958.0189	1957.9656	-0.0533	-27	254	271	ATNSEKEIELTAALPSQR	93	100		Mascot		
	2705.3848	2705.0928	-0.292	-108	159	183	VQLIVSSIAENDNMKICAD GALLSK			Carbamidomethyl (C)[17], Oxidation (M)[14]	Mascot		
2	vitellogenin 1 [Danio rerio]				gi 166795887		149452.5	8.68	20	799	100	738	100

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
826.4457	826.4244	-0.0213	-26	1238	1244	QYAVFAK						Mascot
895.5359	895.4765	-0.0594	-66	174	181	ANHIIIVTK						Mascot
960.4785	960.453	-0.0255	-27	1258	1264	LEVEWER	44	98.825				Mascot
960.4785	960.453	-0.0255	-27	1258	1264	LEVEWER						Mascot
984.4243	984.395	-0.0293	-30	1230	1237	FSWGAECK				Carbamidomethyl (C)[7]		Mascot
984.4243	984.395	-0.0293	-30	1230	1237	FSWGAECK	51	99.803		Carbamidomethyl (C)[7]		Mascot
992.5015	992.4415	-0.06	-60	615	622	LMNCKLDR						Mascot
1118.682	1118.6486	-0.0334	-30	1265	1274	LPIIVTTYAK						Mascot
1287.6691	1287.6376	-0.0315	-24	1245	1257	AEAGVLGEFPAAR	112	100				Mascot
1287.6691	1287.6376	-0.0315	-24	1245	1257	AEAGVLGEFPAAR						Mascot
1327.7216	1327.687	-0.0346	-26	1300	1311	EIELTAALPSQR						Mascot
1327.7216	1327.687	-0.0346	-26	1300	1311	EIELTAALPSQR	90	100				Mascot
1364.6957	1364.6595	-0.0362	-27	1279	1290	HILTAAYDTGFR	83	100				Mascot
1364.6957	1364.6595	-0.0362	-27	1279	1290	HILTAAYDTGFR						Mascot
1385.6981	1385.6288	-0.0693	-50	828	838	LESMTYEQLKK				Oxidation (M)[4]		Mascot

1412.7494	1412.6796	-0.0698	-49	969	980	TLCYAVPYIEIK											Mascot
1642.9315	1642.8878	-0.0437	-27	1161	1175	FLGNDIPPVFIIAR	131	100									Mascot
1642.9315	1642.8878	-0.0437	-27	1161	1175	FLGNDIPPVFIIAR											Mascot
1660.8574	1660.8142	-0.0432	-26	1199	1213	VQLIVSSIAENDNMK											Mascot
1676.8523	1676.8079	-0.0444	-26	1199	1213	VQLIVSSIAENDNMK						Oxidation (M)[14]					Mascot
1711.8948	1711.8153	-0.0795	-46	119	134	VFAPAGVSPTVMNLHR						Oxidation (M)[12]					Mascot
1796.9078	1796.959	0.0512	28	1279	1293	HILTAAYDTGFRFER											Mascot
1826.9799	1826.9319	-0.048	-26	1183	1198	LLGYQLAAYFDKPTAR											Mascot
1826.9799	1826.9319	-0.048	-26	1183	1198	LLGYQLAAYFDKPTAR	137	100									Mascot
1958.0189	1957.9656	-0.0533	-27	1294	1311	ATNSEKEIELTAALPSQR											Mascot
1958.0189	1957.9656	-0.0533	-27	1294	1311	ATNSEKEIELTAALPSQR	93	100									Mascot
2041.943	2041.76	-0.183	-90	146	163	KTQNIYEMQEAGAQQGVC R						Oxidation (M)[8]					Mascot
2652.3418	2652.095	-0.2468	-93	72	94	LMDPLLYEYAGTWPKDP FVPATK											Mascot
2705.3848	2705.0928	-0.292	-108	1199	1223	VQLIVSSIAENDNMKICAD GALLSK						Carbamidomethyl (C)[17], Oxidation (M)[14]					Mascot
3	vitellogenin 1 [Danio rerio]				gi 94733730		149140.4	8.74	19	795	100	738	100				

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
826.4457	826.4244	-0.0213	-26	1238	1244	QYAVFAK						Mascot
895.5359	895.4765	-0.0594	-66	174	181	ANHIIIVTK						Mascot
960.4785	960.453	-0.0255	-27	1258	1264	LEVEWER	44	98.825				Mascot
960.4785	960.453	-0.0255	-27	1258	1264	LEVEWER						Mascot
984.4243	984.395	-0.0293	-30	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]			Mascot
984.4243	984.395	-0.0293	-30	1230	1237	FSWGAECK	51	99.803	Carbamidomethyl (C)[7]			Mascot
1118.682	1118.6486	-0.0334	-30	1265	1274	LPIIVTTYAK						Mascot
1287.6691	1287.6376	-0.0315	-24	1245	1257	AEAGVLGEFPAAR	112	100				Mascot
1287.6691	1287.6376	-0.0315	-24	1245	1257	AEAGVLGEFPAAR						Mascot
1327.7216	1327.687	-0.0346	-26	1300	1311	EIELTAALPSQR						Mascot
1327.7216	1327.687	-0.0346	-26	1300	1311	EIELTAALPSQR	90	100				Mascot
1364.6957	1364.6595	-0.0362	-27	1279	1290	HILTAAYDTGFR	83	100				Mascot
1364.6957	1364.6595	-0.0362	-27	1279	1290	HILTAAYDTGFR						Mascot
1385.6981	1385.6288	-0.0693	-50	828	838	LESMTYEQLKK			Oxidation (M)[4]			Mascot
1412.7494	1412.6796	-0.0698	-49	969	980	TLCYAVPYIEIK						Mascot
1642.9315	1642.8878	-0.0437	-27	1161	1175	FLGNDIPPVFIIAR	131	100				Mascot
1642.9315	1642.8878	-0.0437	-27	1161	1175	FLGNDIPPVFIIAR						Mascot

1660.8574	1660.8142	-0.0432	-26	1199	1213	VQLIVSSIAENDNMK													Mascot
1676.8523	1676.8079	-0.0444	-26	1199	1213	VQLIVSSIAENDNMK							Oxidation (M)[14]						Mascot
1711.8948	1711.8153	-0.0795	-46	119	134	VFAPAGVSPTVMNLHR							Oxidation (M)[12]						Mascot
1796.9078	1796.959	0.0512	28	1279	1293	HILTAAYDTGFRFER													Mascot
1826.9799	1826.9319	-0.048	-26	1183	1198	LLGYQLAAYFDKPTAR													Mascot
1826.9799	1826.9319	-0.048	-26	1183	1198	LLGYQLAAYFDKPTAR				137		100							Mascot
1958.0189	1957.9656	-0.0533	-27	1294	1311	ATNSEKEIELTAALPSQR													Mascot
1958.0189	1957.9656	-0.0533	-27	1294	1311	ATNSEKEIELTAALPSQR				93		100							Mascot
2041.943	2041.76	-0.183	-90	146	163	KTQNIYEMQEAGAQQVC R							Oxidation (M)[8]						Mascot
2652.3418	2652.095	-0.2468	-93	72	94	LMDPLLYEYAGTWPKDP FVPATK													Mascot
2705.3848	2705.0928	-0.292	-108	1199	1223	VQLIVSSIAENDNMKICAD GALLSK							Carbamidomethyl (C)[17], Oxidation (M)[14]						Mascot

4 Vtg1 protein [Danio rerio] gi|145337918 116565.5 9.07 15 783 100 738 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
826.4457	826.4244	-0.0213	-26	944	950	QYAVFAK						Mascot
960.4785	960.453	-0.0255	-27	964	970	LEVEWER	44	98.825				Mascot
960.4785	960.453	-0.0255	-27	964	970	LEVEWER						Mascot
984.4243	984.395	-0.0293	-30	936	943	FSWGAECK				Carbamidomethyl (C)[7]		Mascot
984.4243	984.395	-0.0293	-30	936	943	FSWGAECK	51	99.803		Carbamidomethyl (C)[7]		Mascot
1118.682	1118.6486	-0.0334	-30	971	980	LPIIVTTYAK						Mascot
1287.6691	1287.6376	-0.0315	-24	951	963	AEAGVLGEFPAAR	112	100				Mascot
1287.6691	1287.6376	-0.0315	-24	951	963	AEAGVLGEFPAAR						Mascot
1327.7216	1327.687	-0.0346	-26	1006	1017	EIELTAALPSQR						Mascot
1327.7216	1327.687	-0.0346	-26	1006	1017	EIELTAALPSQR	90	100				Mascot
1364.6957	1364.6595	-0.0362	-27	985	996	HILTAAYDTGFR	83	100				Mascot
1364.6957	1364.6595	-0.0362	-27	985	996	HILTAAYDTGFR						Mascot
1385.6981	1385.6288	-0.0693	-50	534	544	LESMTYEQLKK				Oxidation (M)[4]		Mascot
1412.7494	1412.6796	-0.0698	-49	675	686	TLCYAVPYIEIK						Mascot
1642.9315	1642.8878	-0.0437	-27	867	881	FLGNDIPPVFIIAR	131	100				Mascot
1642.9315	1642.8878	-0.0437	-27	867	881	FLGNDIPPVFIIAR						Mascot
1660.8574	1660.8142	-0.0432	-26	905	919	VQLIVSSIAENDNMK						Mascot
1676.8523	1676.8079	-0.0444	-26	905	919	VQLIVSSIAENDNMK				Oxidation (M)[14]		Mascot
1796.9078	1796.959	0.0512	28	985	999	HILTAAYDTGFRFER						Mascot
1826.9799	1826.9319	-0.048	-26	889	904	LLGYQLAAYFDKPTAR						Mascot

	1826.9799	1826.9319	-0.048	-26	889	904	LLGYQLAAYFDKPTAR	137	100			Mascot
	1958.0189	1957.9656	-0.0533	-27	1000	1017	ATNSEKEIELTAALPSQR					Mascot
	1958.0189	1957.9656	-0.0533	-27	1000	1017	ATNSEKEIELTAALPSQR	93	100			Mascot
	2705.3848	2705.0928	-0.292	-108	905	929	VQLIVSSIAENDNMKICAD GALLSK			Carbamidomethyl (C)[17], Oxidation (M)[14]		Mascot

5 vitellogenin 1 [Danio rerio] gi|21391472 127954.2 8.69 15 780 100 738 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4244	-0.0213	-26	1045	1051	QYAVFAK					Mascot
960.4785	960.453	-0.0255	-27	1065	1071	LEVEWER	44	98.825			Mascot
960.4785	960.453	-0.0255	-27	1065	1071	LEVEWER					Mascot
984.4243	984.395	-0.0293	-30	1037	1044	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.395	-0.0293	-30	1037	1044	FSWGAECK	51	99.803	Carbamidomethyl (C)[7]		Mascot
1118.682	1118.6486	-0.0334	-30	1072	1081	LPIIVTTYAK					Mascot
1287.6691	1287.6376	-0.0315	-24	1052	1064	AEAGVLGEFPAAR	112	100			Mascot
1287.6691	1287.6376	-0.0315	-24	1052	1064	AEAGVLGEFPAAR					Mascot
1327.7216	1327.687	-0.0346	-26	1107	1118	EIELTAALPSQR					Mascot
1327.7216	1327.687	-0.0346	-26	1107	1118	EIELTAALPSQR	90	100			Mascot
1364.6957	1364.6595	-0.0362	-27	1086	1097	HILTAAYDTGFR	83	100			Mascot
1364.6957	1364.6595	-0.0362	-27	1086	1097	HILTAAYDTGFR					Mascot
1385.6981	1385.6288	-0.0693	-50	637	647	LESMTYEQLKK			Oxidation (M)[4]		Mascot
1412.7494	1412.6796	-0.0698	-49	778	789	TLCYAVPYIEIK					Mascot
1642.9315	1642.8878	-0.0437	-27	968	982	FLGNDIPPVFIIAR	131	100			Mascot
1642.9315	1642.8878	-0.0437	-27	968	982	FLGNDIPPVFIIAR					Mascot
1660.8574	1660.8142	-0.0432	-26	1006	1020	VQLIVSSIAENDNMK					Mascot
1676.8523	1676.8079	-0.0444	-26	1006	1020	VQLIVSSIAENDNMK			Oxidation (M)[14]		Mascot
1796.9078	1796.959	0.0512	28	1086	1100	HILTAAYDTGFRFER					Mascot
1826.9799	1826.9319	-0.048	-26	990	1005	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9319	-0.048	-26	990	1005	LLGYQLAAYFDKPTAR	137	100			Mascot
1958.0189	1957.9656	-0.0533	-27	1101	1118	ATNSEKEIELTAALPSQR					Mascot
1958.0189	1957.9656	-0.0533	-27	1101	1118	ATNSEKEIELTAALPSQR	93	100			Mascot
2705.3848	2705.0928	-0.292	-108	1006	1030	VQLIVSSIAENDNMKICAD GALLSK			Carbamidomethyl (C)[17], Oxidation (M)[14]		Mascot

6 vitellogenin 6 [Danio rerio] gi|57864787 38968.8 8.92 9 589 100 546 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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				Seq.	Seq.	Score							
	826.4457	826.4244	-0.0213	-26	235	241	QYAVFAK						Mascot
	960.4785	960.453	-0.0255	-27	255	261	LEVEWER	44	98.825				Mascot
	960.4785	960.453	-0.0255	-27	255	261	LEVEWER						Mascot
	984.4243	984.395	-0.0293	-30	227	234	FSWGAECK			Carbamidomethyl (C)[7]			Mascot
	984.4243	984.395	-0.0293	-30	227	234	FSWGAECK	51	99.803	Carbamidomethyl (C)[7]			Mascot
	1327.7216	1327.687	-0.0346	-26	297	308	EIELTAALPSQR						Mascot
	1327.7216	1327.687	-0.0346	-26	297	308	EIELTAALPSQR	90	100				Mascot
	1383.6725	1383.6537	-0.0188	-14	223	234	VTAKFSWGAECK			Carbamidomethyl (C)[11]			Mascot
	1642.9315	1642.8878	-0.0437	-27	158	172	FLGNDIPPVFIIAR	131	100				Mascot
	1642.9315	1642.8878	-0.0437	-27	158	172	FLGNDIPPVFIIAR						Mascot
	1660.7119	1660.8142	0.1023	62	139	154	DTSSGSAASFEQMQK			Oxidation (M)[14]			Mascot
	1826.9799	1826.9319	-0.048	-26	180	195	LLGYQLAAYFDKPTAR						Mascot
	1826.9799	1826.9319	-0.048	-26	180	195	LLGYQLAAYFDKPTAR	137	100				Mascot
	1958.0189	1957.9656	-0.0533	-27	291	308	ATNSEKEIELTAALPSQR						Mascot
	1958.0189	1957.9656	-0.0533	-27	291	308	ATNSEKEIELTAALPSQR	93	100				Mascot
7	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]				gi 94733734	149808.5	8.83	14	571	100	546	100	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	826.4457	826.4244	-0.0213	-26	1245	1251	QYAVFAK				Mascot
	960.4785	960.453	-0.0255	-27	1265	1271	LEVEWER	44	98.825		Mascot
	960.4785	960.453	-0.0255	-27	1265	1271	LEVEWER				Mascot
	984.4243	984.395	-0.0293	-30	1237	1244	FSWGAECK			Carbamidomethyl (C)[7]	Mascot
	984.4243	984.395	-0.0293	-30	1237	1244	FSWGAECK	51	99.803	Carbamidomethyl (C)[7]	Mascot
	992.5015	992.4415	-0.06	-60	619	626	LMNCKLDR				Mascot
	1327.7216	1327.687	-0.0346	-26	1307	1318	EIELTAALPSQR				Mascot
	1327.7216	1327.687	-0.0346	-26	1307	1318	EIELTAALPSQR	90	100		Mascot
	1383.6725	1383.6537	-0.0188	-14	1233	1244	VTAKFSWGAECK			Carbamidomethyl (C)[11]	Mascot
	1385.6981	1385.6288	-0.0693	-50	832	842	LESMTYEQLKK			Oxidation (M)[4]	Mascot
	1412.7494	1412.6796	-0.0698	-49	973	984	TLCYAVPYIEIK				Mascot
	1642.9315	1642.8878	-0.0437	-27	1168	1182	FLGNDIPPVFIIAR	131	100		Mascot
	1642.9315	1642.8878	-0.0437	-27	1168	1182	FLGNDIPPVFIIAR				Mascot
	1660.7119	1660.8142	0.1023	62	1149	1164	DTSSGSAASFEQMQK			Oxidation (M)[14]	Mascot
	1711.8948	1711.8153	-0.0795	-46	123	138	VFAPAGVSPTVMNLHR			Oxidation (M)[12]	Mascot

	1796.8928	1796.959	0.0662	37	76	90	LMDPLLYEYAGTWPK										Mascot
	1826.9799	1826.9319	-0.048	-26	1190	1205	LLGYQLAAYFDKPTAR										Mascot
	1826.9799	1826.9319	-0.048	-26	1190	1205	LLGYQLAAYFDKPTAR		137	100							Mascot
	1958.0189	1957.9656	-0.0533	-27	1301	1318	ATNSEKEIELTAALPSQR										Mascot
	1958.0189	1957.9656	-0.0533	-27	1301	1318	ATNSEKEIELTAALPSQR		93	100							Mascot
8	vitellogenin 6 [Danio rerio]				gi 303227889		150936.1	8.84	14	570	100	546	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4244	-0.0213	-26	1256	1262	QYAVFAK					Mascot
960.4785	960.453	-0.0255	-27	1276	1282	LEVEWER	44	98.825			Mascot
960.4785	960.453	-0.0255	-27	1276	1282	LEVEWER					Mascot
984.4243	984.395	-0.0293	-30	1248	1255	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.395	-0.0293	-30	1248	1255	FSWGAECK	51	99.803	Carbamidomethyl (C)[7]		Mascot
992.5015	992.4415	-0.06	-60	626	633	LMNCKLDR					Mascot
1327.7216	1327.687	-0.0346	-26	1318	1329	EIELTAALPSQR					Mascot
1327.7216	1327.687	-0.0346	-26	1318	1329	EIELTAALPSQR	90	100			Mascot
1383.6725	1383.6537	-0.0188	-14	1244	1255	VTAKFSWGAECK			Carbamidomethyl (C)[11]		Mascot
1385.6981	1385.6288	-0.0693	-50	839	849	LESMTYEQLKK			Oxidation (M)[4]		Mascot
1412.7494	1412.6796	-0.0698	-49	980	991	TLCYAVPYIEIK					Mascot
1642.9315	1642.8878	-0.0437	-27	1179	1193	FLGNDIPPVFIIAR	131	100			Mascot
1642.9315	1642.8878	-0.0437	-27	1179	1193	FLGNDIPPVFIIAR					Mascot
1660.7119	1660.8142	0.1023	62	1160	1175	DTSSGSAASFEQMQK			Oxidation (M)[14]		Mascot
1711.8948	1711.8153	-0.0795	-46	130	145	VFAPAGVSPVMNLHR			Oxidation (M)[12]		Mascot
1796.8928	1796.959	0.0662	37	83	97	LMDPLLYEYAGTWPK					Mascot
1826.9799	1826.9319	-0.048	-26	1201	1216	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9319	-0.048	-26	1201	1216	LLGYQLAAYFDKPTAR	137	100			Mascot
1958.0189	1957.9656	-0.0533	-27	1312	1329	ATNSEKEIELTAALPSQR					Mascot
1958.0189	1957.9656	-0.0533	-27	1312	1329	ATNSEKEIELTAALPSQR	93	100			Mascot

9	vitellogenin 7 [Danio rerio]				gi 57864789		24318.7	8.37	7	516	100	474	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4244	-0.0213	-26	93	99	QYAVFAK					Mascot
960.4785	960.453	-0.0255	-27	113	119	LEVEWER	44	98.825			Mascot

	960.4785	960.453	-0.0255	-27	113	119	LEVEWER										Mascot
	984.4243	984.395	-0.0293	-30	85	92	FSWGAECK						Carbamidomethyl (C)[7]				Mascot
	984.4243	984.395	-0.0293	-30	85	92	FSWGAECK	51	99.803	Carbamidomethyl (C)[7]							Mascot
	1118.6238	1118.6486	0.0248	22	68	78	KICADGALLSK										Mascot
	1287.6691	1287.6376	-0.0315	-24	100	112	AEAGVLGEFPAAR	112	100								Mascot
	1287.6691	1287.6376	-0.0315	-24	100	112	AEAGVLGEFPAAR										Mascot
	1642.9315	1642.8878	-0.0437	-27	16	30	FLGNDLPPVFIIAR	131	100								Mascot
	1642.9315	1642.8878	-0.0437	-27	16	30	FLGNDLPPVFIIAR										Mascot
	1826.9799	1826.9319	-0.048	-26	38	53	LLGYQLAAYFDKPTAR										Mascot
	1826.9799	1826.9319	-0.048	-26	38	53	LLGYQLAAYFDKPTAR	137	100								Mascot
10	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94732723 147084.2 8.73 10 475 100 474 100																

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4244	-0.0213	-26	1219	1225	QYAVFAK					Mascot
960.4785	960.453	-0.0255	-27	1239	1245	LEVEWER	44	98.825			Mascot
960.4785	960.453	-0.0255	-27	1239	1245	LEVEWER					Mascot
984.4243	984.395	-0.0293	-30	1211	1218	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.395	-0.0293	-30	1211	1218	FSWGAECK	51	99.803	Carbamidomethyl (C)[7]		Mascot
1118.6238	1118.6486	0.0248	22	1194	1204	KICADGALLSK					Mascot
1287.6691	1287.6376	-0.0315	-24	1226	1238	AEAGVLGEFPAAR	112	100			Mascot
1287.6691	1287.6376	-0.0315	-24	1226	1238	AEAGVLGEFPAAR					Mascot
1642.9315	1642.8878	-0.0437	-27	1142	1156	FLGNDLPPVFIIAR	131	100			Mascot
1642.9315	1642.8878	-0.0437	-27	1142	1156	FLGNDLPPVFIIAR					Mascot
1660.7119	1660.8142	0.1023	62	1123	1138	DTSSGSAAASFEQMQK			Oxidation (M)[14]		Mascot
1796.9581	1796.959	0.0009	1	342	356	LSTLDKFEAIWAQFK					Mascot
1826.9799	1826.9319	-0.048	-26	1164	1179	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9319	-0.048	-26	1164	1179	LLGYQLAAYFDKPTAR	137	100			Mascot
2652.3418	2652.095	-0.2468	-93	72	94	LMDPLLIEYAGTWPKDP FVPATK					Mascot

11 vitellogenin 7 [Danio rerio] gi|156713467 148739.2 8.76 9 474 100 474 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4244	-0.0213	-26	1234	1240	QYAVFAK					Mascot
960.4785	960.453	-0.0255	-27	1254	1260	LEVEWER	44	98.825			Mascot

960.4785	960.453	-0.0255	-27	1254	1260	LEVEWER											Mascot
984.4243	984.395	-0.0293	-30	1226	1233	FSWGAECK										Carbamidomethyl (C)[7]	Mascot
984.4243	984.395	-0.0293	-30	1226	1233	FSWGAECK	51	99.803								Carbamidomethyl (C)[7]	Mascot
1118.6238	1118.6486	0.0248	22	1209	1219	KICADGALLSK											Mascot
1287.6691	1287.6376	-0.0315	-24	1241	1253	AEAGVLGEFPAAR	112	100									Mascot
1287.6691	1287.6376	-0.0315	-24	1241	1253	AEAGVLGEFPAAR											Mascot
1642.9315	1642.8878	-0.0437	-27	1157	1171	FLGNDLPPVFIIAR	131	100									Mascot
1642.9315	1642.8878	-0.0437	-27	1157	1171	FLGNDLPPVFIIAR											Mascot
1796.9581	1796.959	0.0009	1	342	356	LSTLDKFEAIWAQFK											Mascot
1826.9799	1826.9319	-0.048	-26	1179	1194	LLGYQLAAYFDKPTAR											Mascot
1826.9799	1826.9319	-0.048	-26	1179	1194	LLGYQLAAYFDKPTAR	137	100									Mascot
2652.3418	2652.095	-0.2468	-93	72	94	LMDPLLYEYAGTWPKDP FVPATK											Mascot

12 Vtg6 protein [Danio rerio] gi|157422885 27937.4 9.18 9 456 100 409 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4244	-0.0213	-26	129	135	QYAVFAK					Mascot
913.423	913.5219	0.0989	108	1	8	MSSSRMSK					Mascot
960.4785	960.453	-0.0255	-27	149	155	LEVEWER	44	98.825			Mascot
960.4785	960.453	-0.0255	-27	149	155	LEVEWER					Mascot
984.4243	984.395	-0.0293	-30	121	128	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.395	-0.0293	-30	121	128	FSWGAECK	51	99.803	Carbamidomethyl (C)[7]		Mascot
1327.7216	1327.687	-0.0346	-26	191	202	EIELTAALPSQR					Mascot
1327.7216	1327.687	-0.0346	-26	191	202	EIELTAALPSQR	90	100			Mascot
1383.6725	1383.6537	-0.0188	-14	117	128	VTAKFSWGAECK			Carbamidomethyl (C)[11]		Mascot
1642.9315	1642.8878	-0.0437	-27	52	66	FLGNDIPPVFIIAR	131	100			Mascot
1642.9315	1642.8878	-0.0437	-27	52	66	FLGNDIPPVFIIAR					Mascot
1660.7119	1660.8142	0.1023	62	33	48	DTSSGSAAASFEQMQK			Oxidation (M)[14]		Mascot
1958.0189	1957.9656	-0.0533	-27	185	202	ATNSEKEIELTAALPSQR					Mascot
1958.0189	1957.9656	-0.0533	-27	185	202	ATNSEKEIELTAALPSQR	93	100			Mascot

13 Zgc:136383 [Danio rerio] gi|92097636 28809.9 9.33 9 408 100 363 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4244	-0.0213	-26	136	142	QYAVFAK					Mascot

	960.4785	960.453	-0.0255	-27	156	162	LEVEWER	44	98.825					Mascot
	960.4785	960.453	-0.0255	-27	156	162	LEVEWER							Mascot
	984.4243	984.395	-0.0293	-30	128	135	FSWGAECK				Carbamidomethyl (C)[7]			Mascot
	984.4243	984.395	-0.0293	-30	128	135	FSWGAECK	51	99.803		Carbamidomethyl (C)[7]			Mascot
	1045.5465	1045.5353	-0.0112	-11	246	253	DFLSWIHK							Mascot
	1118.5986	1118.6486	0.05	45	217	225	IPEITMSRR				Oxidation (M)[6]			Mascot
	1383.6725	1383.6537	-0.0188	-14	124	135	VTAKFSWGAECK				Carbamidomethyl (C)[11]			Mascot
	1642.9315	1642.8878	-0.0437	-27	59	73	FLGNDIPPVFIIAR	131	100					Mascot
	1642.9315	1642.8878	-0.0437	-27	59	73	FLGNDIPPVFIIAR							Mascot
	1660.7703	1660.8142	0.0439	26	1	15	MLPLSSSMSSSRMSK				Oxidation (M)[1,8]			Mascot
	1676.7653	1676.8079	0.0426	25	1	15	MLPLSSSMSSSRMSK				Oxidation (M)[1,8,13]			Mascot
	1826.9799	1826.9319	-0.048	-26	81	96	LLGYQLAAYFDKPTAR							Mascot
	1826.9799	1826.9319	-0.048	-26	81	96	LLGYQLAAYFDKPTAR	137	100					Mascot

14

vitellogenin 4 [Danio rerio]

gi|57864783

31189.9

9.48

8

397

100

363

100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4244	-0.0213	-26	162	168	QYAVFAK					Mascot
960.4785	960.453	-0.0255	-27	182	188	LEVEWER	44	98.825			Mascot
960.4785	960.453	-0.0255	-27	182	188	LEVEWER					Mascot
984.4243	984.395	-0.0293	-30	154	161	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.395	-0.0293	-30	154	161	FSWGAECK	51	99.803	Carbamidomethyl (C)[7]		Mascot
1118.5986	1118.6486	0.05	45	243	251	IPEITMSRR			Oxidation (M)[6]		Mascot
1383.6725	1383.6537	-0.0188	-14	150	161	VTAKFSWGAECK			Carbamidomethyl (C)[11]		Mascot
1642.9315	1642.8878	-0.0437	-27	85	99	FLGNDIPPVFIIAR	131	100			Mascot
1642.9315	1642.8878	-0.0437	-27	85	99	FLGNDIPPVFIIAR					Mascot
1660.7119	1660.8142	0.1023	62	66	81	DTSSGSAASFEQMQK			Oxidation (M)[14]		Mascot
1826.9799	1826.9319	-0.048	-26	107	122	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9319	-0.048	-26	107	122	LLGYQLAAYFDKPTAR	137	100			Mascot

15

Vtg5 protein [Danio rerio]

gi|148744685

27543.3

9.2

7

395

100

363

100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4244	-0.0213	-26	124	130	QYAVFAK					Mascot
960.4785	960.453	-0.0255	-27	144	150	LEVEWER	44	98.825			Mascot

	960.4785	960.453	-0.0255	-27	144	150	LEVEWER										Mascot
	984.4243	984.395	-0.0293	-30	116	123	FSWGAECK					Carbamidomethyl (C)[7]					Mascot
	984.4243	984.395	-0.0293	-30	116	123	FSWGAECK	51	99.803	Carbamidomethyl (C)[7]							Mascot
	1376.7069	1376.6588	-0.0481	-35	165	176	HILNAAyntGFR										Mascot
	1642.9315	1642.8878	-0.0437	-27	47	61	FLGNDIPPVFaiIAR	131	100								Mascot
	1642.9315	1642.8878	-0.0437	-27	47	61	FLGNDIPPVFaiIAR										Mascot
	1660.7119	1660.8142	0.1023	62	28	43	DTSSGSAAASFEQMqK			Oxidation (M)[14]							Mascot
	1826.9799	1826.9319	-0.048	-26	69	84	LLGYQLAAYFDKPTAR										Mascot
	1826.9799	1826.9319	-0.048	-26	69	84	LLGYQLAAYFDKPTAR	137	100								Mascot
16	Zgc:136383 protein [Danio rerio]				gi 125857991		148644.2	8.93	15	386	100	363	100				

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	826.4457	826.4244	-0.0213	-26	1235	1241	QYAVFAK					Mascot
	960.4785	960.453	-0.0255	-27	1255	1261	LEVEWER	44	98.825			Mascot
	960.4785	960.453	-0.0255	-27	1255	1261	LEVEWER					Mascot
	984.4243	984.395	-0.0293	-30	1227	1234	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
	984.4243	984.395	-0.0293	-30	1227	1234	FSWGAECK	51	99.803	Carbamidomethyl (C)[7]		Mascot
	992.5015	992.4415	-0.06	-60	614	621	LMNCKLDR					Mascot
	1045.5465	1045.5353	-0.0112	-11	1345	1352	DFLSWIHK					Mascot
	1118.5986	1118.6486	0.05	45	1316	1324	IPEITMSRR			Oxidation (M)[6]		Mascot
	1383.6725	1383.6537	-0.0188	-14	1223	1234	VTAKFSWGAECK			Carbamidomethyl (C)[11]		Mascot
	1385.6981	1385.6288	-0.0693	-50	827	837	LESMTYEQLKK			Oxidation (M)[4]		Mascot
	1412.7494	1412.6796	-0.0698	-49	968	979	TLCYAVPYIEIK					Mascot
	1642.9315	1642.8878	-0.0437	-27	1158	1172	FLGNDIPPVFaiIAR	131	100			Mascot
	1642.9315	1642.8878	-0.0437	-27	1158	1172	FLGNDIPPVFaiIAR					Mascot
	1660.7119	1660.8142	0.1023	62	1139	1154	DTSSGSAAASFEQMqK			Oxidation (M)[14]		Mascot
	1711.8948	1711.8153	-0.0795	-46	118	133	VFAPAGVSPTVMNLHR			Oxidation (M)[12]		Mascot
	1716.918	1716.8019	-0.1161	-68	581	595	HVASFAYSHIKSLTR					Mascot
	1796.8928	1796.959	0.0662	37	71	85	LMDPLLYEYAGTWPK					Mascot
	1826.9799	1826.9319	-0.048	-26	1180	1195	LLGYQLAAYFDKPTAR					Mascot
	1826.9799	1826.9319	-0.048	-26	1180	1195	LLGYQLAAYFDKPTAR	137	100			Mascot

17 vitellogenin 5 [Danio rerio] gi|57864785 72820.8 9 9 383 100 363 100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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		826.4457	826.4244	-0.0213	-26	544	550	QYAVFAK											Mascot
		960.4785	960.453	-0.0255	-27	564	570	LEVEWER	44	98.825									Mascot
		960.4785	960.453	-0.0255	-27	564	570	LEVEWER											Mascot
		984.4243	984.395	-0.0293	-30	536	543	FSWGAECK					Carbamidomethyl (C)[7]						Mascot
		984.4243	984.395	-0.0293	-30	536	543	FSWGAECK	51	99.803			Carbamidomethyl (C)[7]						Mascot
		1376.7069	1376.6588	-0.0481	-35	585	596	HILNAAYNTGFR											Mascot
		1385.6981	1385.6288	-0.0693	-50	137	147	LESMTYEQLKK					Oxidation (M)[4]						Mascot
		1412.7494	1412.6796	-0.0698	-49	278	289	TLCYAVPYIEIK											Mascot
		1642.9315	1642.8878	-0.0437	-27	467	481	FLGNDIPPVFIIAR	131	100									Mascot
		1642.9315	1642.8878	-0.0437	-27	467	481	FLGNDIPPVFIIAR											Mascot
		1660.7119	1660.8142	0.1023	62	448	463	DTSSGSAASFEQMQK					Oxidation (M)[14]						Mascot
		1826.9799	1826.9319	-0.048	-26	489	504	LLGYQLAAYFDKPTAR											Mascot
		1826.9799	1826.9319	-0.048	-26	489	504	LLGYQLAAYFDKPTAR	137	100									Mascot
18	Zgc:136383 protein [Danio rerio]						gi 159155252	123957.1	8.78	12	380	100	363	100					

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification		Rank	Result	Type
	826.4457	826.4244	-0.0213	-26	1013	1019	QYAVFAK							Mascot
	960.4785	960.453	-0.0255	-27	1033	1039	LEVEWER	44	98.825					Mascot
	960.4785	960.453	-0.0255	-27	1033	1039	LEVEWER							Mascot
	984.4243	984.395	-0.0293	-30	1005	1012	FSWGAECK				Carbamidomethyl (C)[7]			Mascot
	984.4243	984.395	-0.0293	-30	1005	1012	FSWGAECK	51	99.803		Carbamidomethyl (C)[7]			Mascot
	992.5015	992.4415	-0.06	-60	392	399	LMNCKLDR							Mascot
	1045.5465	1045.5353	-0.0112	-11	1123	1130	DFLSWIHK							Mascot
	1118.5986	1118.6486	0.05	45	1094	1102	IPEITMSRR				Oxidation (M)[6]			Mascot
	1383.6725	1383.6537	-0.0188	-14	1001	1012	VTAKFSWGAECK				Carbamidomethyl (C)[11]			Mascot
	1385.6981	1385.6288	-0.0693	-50	605	615	LESMTYEQLKK				Oxidation (M)[4]			Mascot
	1412.7494	1412.6796	-0.0698	-49	746	757	TLCYAVPYIEIK							Mascot
	1642.9315	1642.8878	-0.0437	-27	936	950	FLGNDIPPVFIIAR	131	100					Mascot
	1642.9315	1642.8878	-0.0437	-27	936	950	FLGNDIPPVFIIAR							Mascot
	1660.7119	1660.8142	0.1023	62	917	932	DTSSGSAASFEQMQK				Oxidation (M)[14]			Mascot
	1826.9799	1826.9319	-0.048	-26	958	973	LLGYQLAAYFDKPTAR							Mascot
	1826.9799	1826.9319	-0.048	-26	958	973	LLGYQLAAYFDKPTAR	137	100					Mascot
19	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]				gi 94733733		149143.4	8.92	14	380	100	363	100	

Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type		
	826.4457	826.4244	-0.0213	-26	1240	1246	QYAVFAK				Mascot		
	960.4785	960.453	-0.0255	-27	1260	1266	LEVEWER	44	98.825		Mascot		
	960.4785	960.453	-0.0255	-27	1260	1266	LEVEWER				Mascot		
	984.4243	984.395	-0.0293	-30	1232	1239	FSWGAECK			Carbamidomethyl (C)[7]	Mascot		
	984.4243	984.395	-0.0293	-30	1232	1239	FSWGAECK	51	99.803	Carbamidomethyl (C)[7]	Mascot		
	992.5015	992.4415	-0.06	-60	619	626	LMNCKLDR				Mascot		
	1045.5465	1045.5353	-0.0112	-11	1350	1357	DFLSWIHK				Mascot		
	1118.5986	1118.6486	0.05	45	1321	1329	IPEITMSRR			Oxidation (M)[6]	Mascot		
	1383.6725	1383.6537	-0.0188	-14	1228	1239	VTAKFSWGAECK			Carbamidomethyl (C)[11]	Mascot		
	1385.6981	1385.6288	-0.0693	-50	832	842	LESMTYEQLKK			Oxidation (M)[4]	Mascot		
	1412.7494	1412.6796	-0.0698	-49	973	984	TLCYAVPYIEIK				Mascot		
	1642.9315	1642.8878	-0.0437	-27	1163	1177	FLGNDIPPVFIIAR	131	100		Mascot		
	1642.9315	1642.8878	-0.0437	-27	1163	1177	FLGNDIPPVFIIAR				Mascot		
	1660.7119	1660.8142	0.1023	62	1144	1159	DTSSGSAAASFEQMQK			Oxidation (M)[14]	Mascot		
	1711.8948	1711.8153	-0.0795	-46	123	138	VFAPAGVSPTVMNLHR			Oxidation (M)[12]	Mascot		
	1796.8928	1796.959	0.0662	37	76	90	LMDPLLYEYAGTWPK				Mascot		
	1826.9799	1826.9319	-0.048	-26	1185	1200	LLGYQLAAYFDKPTAR				Mascot		
	1826.9799	1826.9319	-0.048	-26	1185	1200	LLGYQLAAYFDKPTAR	137	100		Mascot		
20	vitellogenin 5 [Danio rerio]				gi 68448530		148868	8.77	12	377	100	363	100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
826.4457	826.4244	-0.0213	-26	1238	1244	QYAVFAK				Mascot
960.4785	960.453	-0.0255	-27	1258	1264	LEVEWER	44	98.825		Mascot
960.4785	960.453	-0.0255	-27	1258	1264	LEVEWER				Mascot
984.4243	984.395	-0.0293	-30	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]	Mascot
984.4243	984.395	-0.0293	-30	1230	1237	FSWGAECK	51	99.803	Carbamidomethyl (C)[7]	Mascot
992.5015	992.4415	-0.06	-60	615	622	LMNCKLDR				Mascot
1376.7069	1376.6588	-0.0481	-35	1279	1290	HILNAAyntGFR				Mascot
1385.6981	1385.6288	-0.0693	-50	828	838	LESMTYEQLKK			Oxidation (M)[4]	Mascot
1412.7494	1412.6796	-0.0698	-49	969	980	TLCYAVPYIEIK				Mascot
1642.9315	1642.8878	-0.0437	-27	1161	1175	FLGNDIPPVFIIAR	131	100		Mascot
1642.9315	1642.8878	-0.0437	-27	1161	1175	FLGNDIPPVFIIAR				Mascot

	1660.7119	1660.8142	0.1023	62	1142	1157	DTSSGSAASFEQMQK				Oxidation (M)[14]	Mascot	
	1826.9799	1826.9319	-0.048	-26	1183	1198	LLGYQLAAYFDKPTAR					Mascot	
	1826.9799	1826.9319	-0.048	-26	1183	1198	LLGYQLAAYFDKPTAR	137	100			Mascot	
	2041.943	2041.76	-0.183	-90	146	163	KTQNIYEMQEAGAQGVC R				Oxidation (M)[8]	Mascot	
	2362.1926	2362.1213	-0.0713	-30	597	619	ITAPDMASVAGAANVAIK LMNCK				Carbamidomethyl (C)[22], Oxidation (M)[6]	Mascot	
21	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733731						149169.2	8.84	12	376	100	363	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
826.4457	826.4244	-0.0213	-26	1240	1246	QYAVFAK						Mascot
960.4785	960.453	-0.0255	-27	1260	1266	LEVEWER	44	98.825				Mascot
960.4785	960.453	-0.0255	-27	1260	1266	LEVEWER						Mascot
984.4243	984.395	-0.0293	-30	1232	1239	FSWGAECK				Carbamidomethyl (C)[7]		Mascot
984.4243	984.395	-0.0293	-30	1232	1239	FSWGAECK	51	99.803		Carbamidomethyl (C)[7]		Mascot
992.5015	992.4415	-0.06	-60	619	626	LMNCKLDR						Mascot
1376.7069	1376.6588	-0.0481	-35	1281	1292	HILNAAAYNTGFR						Mascot
1385.6981	1385.6288	-0.0693	-50	832	842	LESMTYEQLKK				Oxidation (M)[4]		Mascot
1412.7494	1412.6796	-0.0698	-49	973	984	TLCYAVPYIEIK						Mascot
1642.9315	1642.8878	-0.0437	-27	1163	1177	FLGNDIPPVFIIAR	131	100				Mascot
1642.9315	1642.8878	-0.0437	-27	1163	1177	FLGNDIPPVFIIAR						Mascot
1660.7119	1660.8142	0.1023	62	1144	1159	DTSSGSAASFEQMQK				Oxidation (M)[14]		Mascot
1826.9799	1826.9319	-0.048	-26	1185	1200	LLGYQLAAYFDKPTAR						Mascot
1826.9799	1826.9319	-0.048	-26	1185	1200	LLGYQLAAYFDKPTAR	137	100				Mascot
2041.943	2041.76	-0.183	-90	150	167	KTQNIYEMQEAGAQGVC R				Oxidation (M)[8]		Mascot
2362.1926	2362.1213	-0.0713	-30	601	623	ITAPDMASVAGAANVAIK LMNCK				Carbamidomethyl (C)[22], Oxidation (M)[6]		Mascot

22	eukaryotic translation initiation factor 3, subunit F-like [Danio rerio] gi 317108137						30037.3	5.36	4	84	99.981	69	99.997
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
913.5464	913.5219	-0.0245	-27	163	170	IGVDLLQR						Mascot
937.5287	937.4524	-0.0763	-81	1	9	MAVHGPPVK						Mascot
1122.5103	1122.4814	-0.0289	-26	155	162	YIYYDTER						Mascot
1697.9221	1697.8749	-0.0472	-28	10	24	IHPVVLASIVDSYER	69	99.997				Mascot

1697.9221 1697.8749 -0.0472 -28 10 24 IHPVVLASIVDSYER Mascot

23 iron-sulfur cluster assembly enzyme [Danio rerio] gi|54261801 17796.2 8.7 7 52 69.213

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
913.4447	913.5219	0.0772	85	10	18	CASSALFSK					Mascot
960.5083	960.453	-0.0553	-58	1	9	MALAAAAWR					Mascot
960.5359	960.453	-0.0829	-86	107	115	GKSIDALK	15	0			Mascot
976.5032	976.4487	-0.0545	-56	1	9	MALAAAAWR			Oxidation (M)[1]		Mascot
1045.5636	1045.5353	-0.0283	-27	44	53	NVGSLDKNAK					Mascot
1711.9337	1711.8153	-0.1184	-69	71	85	LQIQVDENGKIIDAR					Mascot
1846.9303	1846.7911	-0.1392	-75	19	34	SMSLPRLPACSYHKK					Mascot
2283.1545	2283.1199	-0.0346	-15	124	143	ELCLPPVKLHCSMLAEDIAIK			Carbamidomethyl (C)[3], Oxidation (M)[13]		Mascot

24 ADP/ATP translocase 2 [Danio rerio] gi|27545251 32742.1 9.78 10 50 52.316

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
984.4423	984.395	-0.0473	-48	238	245	MMMQSGRK			Oxidation (M)[1]		Mascot
984.4423	984.395	-0.0473	-48	238	245	MMMQSGRK			Oxidation (M)[1]		Mascot
996.4536	996.5706	0.117	117	237	244	RMMMQSGR					Mascot
1048.5785	1048.5868	0.0083	8	98	106	VFLDGVDKR					Mascot
1136.6786	1136.5454	-0.1332	-117	34	43	LLLQVQHASK					Mascot
1287.6912	1287.6376	-0.0536	-42	53	63	GIMDCVVRIPK			Carbamidomethyl (C)[5]		Mascot
1287.6912	1287.6376	-0.0536	-42	53	63	GIMDCVVRIPK			Carbamidomethyl (C)[5]		Mascot
1327.6497	1327.687	0.0373	28	50	60	QYKGIMDCVVR			Oxidation (M)[6]		Mascot
1327.6497	1327.687	0.0373	28	50	60	QYKGIMDCVVR			Oxidation (M)[6]		Mascot
1660.7094	1660.8142	0.1048	63	246	259	GADIMYSGTIDCWR			Carbamidomethyl (C)[12], Oxidation (M)[5]		Mascot
1707.8481	1707.7281	-0.12	-70	148	163	AGAEREFSGLGNCLVK			Carbamidomethyl (C)[13]		Mascot
1957.9728	1957.9656	-0.0072	-4	189	206	AAYFGIYDTAKGMLPDPK					Mascot
1957.9728	1957.9656	-0.0072	-4	189	206	AAYFGIYDTAKGMLPDPK					Mascot
2284.2236	2284.1165	-0.1071	-47	73	92	GNLANVIRYFPTQALNFAFK					Mascot

25 Zgc:152952 [Danio rerio] gi|115528080 41421 5.97 12 49 45.252

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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[illegible]

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank Result Type

		913.4447	913.5219	0.0772	85	10	18	CASSALFSK									Mascot
		960.5359	960.453	-0.0829	-86	107	115	GKSIDEALK	15	0							Mascot
		960.5359	960.453	-0.0829	-86	107	115	GKSIDEALK									Mascot
		1045.5636	1045.5353	-0.0283	-27	44	53	NVGSLDKNAK									Mascot
		1711.9337	1711.8153	-0.1184	-69	71	85	LQIQVDENGKIIDAR									Mascot
		2283.1545	2283.1199	-0.0346	-15	124	143	ELCLPPVKLHCSMLAEDA IK					Carbamidomethyl (C)[3], Oxidation (M)[13]				Mascot
		2652.3271	2652.095	-0.2321	-88	10	33	CASSALFSKSLSLPELRP ACSYHK					Carbamidomethyl (C)[1]				Mascot
28	novel protein [Danio rerio]						gi 126632850	14386.2	8.68	7	47	4.859					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.473	842.4883	0.0153	18	14	21	TAITTHAK					Mascot
996.5737	996.5706	-0.0031	-3	104	111	TLPWRPAR					Mascot
1287.7056	1287.6376	-0.068	-53	2	13	GLPGKPTFTDVR					Mascot
1287.7056	1287.6376	-0.068	-53	2	13	GLPGKPTFTDVR					Mascot
1385.7688	1385.6288	-0.14	-101	46	57	FYALHLGPLQAR					Mascot
1434.741	1434.7316	-0.0094	-7	1	13	MGLPGKPTFTDVR			Oxidation (M)[1]		Mascot
1642.6836	1642.8878	0.2042	124	32	45	VAQFMCHDTSTSDK			Carbamidomethyl (C)[6], Oxidation (M)[5]		Mascot
1642.6836	1642.8878	0.2042	124	32	45	VAQFMCHDTSTSDK			Carbamidomethyl (C)[6], Oxidation (M)[5]		Mascot
1697.7622	1697.8749	0.1127	66	31	45	KVAQFMCHDTSTSDK					Mascot
1697.7622	1697.8749	0.1127	66	31	45	KVAQFMCHDTSTSDK					Mascot

29 ATPase, Ca++ transporting, cardiac muscle, fast twitch 1 like [Danio rerio] gi|117606266 108861.1 5.05 15 46 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.381	826.4244	0.0434	53	669	675	RACCFAR					Mascot
913.4737	913.5219	0.0482	53	513	521	GAPEGVIDR					Mascot
960.5546	960.453	-0.1016	-106	540	547	DKIMNVIK					Mascot
960.5546	960.453	-0.1016	-106	540	547	DKIMNVIK					Mascot
976.5495	976.4487	-0.1008	-103	540	547	DKIMNVIK			Oxidation (M)[4]		Mascot
1045.5524	1045.5353	-0.0171	-16	111	120	NAESAIEALK					Mascot
1165.5735	1165.7144	0.1409	121	253	262	LDEFGEQLSK					Mascot
1234.646	1234.6449	-0.0011	-1	602	612	KEVTGSIELCR					Mascot

1287.709	1287.6376	-0.0714	-55	558	569	CLALATRDSPLK		Mascot
1287.709	1287.6376	-0.0714	-55	558	569	CLALATRDSPLK		Mascot
1323.6725	1323.639	-0.0335	-25	206	218	NMLFSGTNIAAGK		Mascot
1364.7361	1364.6595	-0.0766	-56	823	833	EPLISGWLFFR		Mascot
1364.7361	1364.6595	-0.0766	-56	823	833	EPLISGWLFFR		Mascot
1434.741	1434.7316	-0.0094	-7	509	521	MFVKGAPEGVIDR	Oxidation (M)[1]	Mascot
1676.9159	1676.8079	-0.108	-64	820	833	SPKEPLISGWLFFR		Mascot
1712.0065	1711.8153	-0.1912	-112	219	236	AVGVAVATGVATEIGKIR		Mascot
1838.8875	1838.8772	-0.0103	-6	335	352	SLPSVETLGCTSVICSDK		Mascot
1957.9501	1957.9656	0.0155	8	636	653	IGIFSEDEDVTGKAYTGR		Mascot
1957.9501	1957.9656	0.0155	8	636	653	IGIFSEDEDVTGKAYTGR		Mascot
2362.073	2362.1213	0.0483	20	581	601	FADYETDLTFVGCVGML DPPR	Oxidation (M)[16]	Mascot

Peptide Information

31	PREDICTED: e3 ubiquitin-protein ligase BRE1A [Danio rerio]	gi 189527718	115551	5.66	13	42	0	6	0
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.4883	-0.0323	-38	61	67	ALQIKNR					Mascot
960.4744	960.453	-0.0214	-22	720	726	ELEERER	19	0			Mascot

960.4744	960.453	-0.0214	-22	720	726	ELEERER							Mascot
984.4818	984.395	-0.0868	-88	460	466	KEYEMLR					Oxidation (M)[5]		Mascot
984.4818	984.395	-0.0868	-88	460	466	KEYEMLR					Oxidation (M)[5]		Mascot
1045.5823	1045.5353	-0.047	-45	786	793	LMQQLREK							Mascot
1122.5208	1122.4814	-0.0394	-35	673	681	AQESQREMK					Oxidation (M)[8]		Mascot
1287.6791	1287.6376	-0.0415	-32	743	753	SVEEQIDILNK							Mascot
1287.6791	1287.6376	-0.0415	-32	743	753	SVEEQIDILNK							Mascot
1327.6749	1327.687	0.0121	9	679	688	EMKLLLDMYR					Oxidation (M)[2]		Mascot
1327.6749	1327.687	0.0121	9	679	688	EMKLLLDMYR	8	0			Oxidation (M)[8]		Mascot
1475.6268	1475.7162	0.0894	61	975	985	CFHVFCECVK					Carbamidomethyl (C)[1,6]		Mascot
1707.7478	1707.7281	-0.0197	-12	995	1009	CPKCNAAFGANDFHR					Carbamidomethyl (C)[1]		Mascot
1716.8551	1716.8019	-0.0532	-31	216	231	DLESGKDGGLWDVAVR							Mascot
1826.8514	1826.9319	0.0805	44	139	155	SLKPGTPEPDGDSNQR							Mascot
1826.8514	1826.9319	0.0805	44	139	155	SLKPGTPEPDGDSNQR							Mascot
1957.8668	1957.9656	0.0988	50	121	138	RCDQSGSEPVESQPPEG R							Mascot
1957.8668	1957.9656	0.0988	50	121	138	RCDQSGSEPVESQPPEG R							Mascot
2300.1816	2300.1187	-0.0629	-27	222	242	DGGLWDVAVRLNALLTG MNER							Mascot

32 PREDICTED: tetratricopeptide repeat protein 34-like [Danio rerio] gi|326679115 119668.1 7.99 17 41 0

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
882.4791	882.5435	0.0644	73	126	133	QTPQPVGR						Mascot
895.4705	895.4765	0.006	7	1030	1036	LAEMYLR						Mascot
937.4526	937.4524	-0.0002	0	867	873	AWQQNYK						Mascot
960.4897	960.453	-0.0367	-38	847	854	QVFGQEPR						Mascot
960.4897	960.453	-0.0367	-38	847	854	QVFGQEPR						Mascot
973.5499	973.5036	-0.0463	-48	393	400	LADCLLLR			Carbamidomethyl (C)[4]			Mascot
976.5686	976.4487	-0.1199	-123	941	947	LQYLRQR						Mascot
996.4791	996.5706	0.0915	92	656	663	HCHTASKR			Carbamidomethyl (C)[2]			Mascot
1048.488	1048.5868	0.0988	94	981	988	VWAEDLCR			Carbamidomethyl (C)[7]			Mascot
1118.5259	1118.6486	0.1227	110	1076	1085	REVSGPCTVN			Carbamidomethyl (C)[7]			Mascot
1165.6252	1165.7144	0.0892	77	1050	1059	AWFLTETGLK						Mascot
1179.6302	1179.5699	-0.0603	-51	1028	1036	QRLAEMYLR						Mascot
1308.6881	1308.6257	-0.0624	-48	700	710	ARCYALLGQWK						Mascot
1364.6957	1364.6595	-0.0362	-27	430	440	GYSRLFIEDHK						Mascot

1364.6957	1364.6595	-0.0362	-27	430	440	GYSRLFIEDHK						Mascot
1493.8435	1493.6971	-0.1464	-98	177	188	ERQTQHVELIIK						Mascot
1697.7986	1697.8749	0.0763	45	806	820	EAFLISGALMNTDCR				Carbamidomethyl (C)[14]		Mascot
1697.7986	1697.8749	0.0763	45	806	820	EAFLISGALMNTDCR				Carbamidomethyl (C)[14]		Mascot
1994.0201	1993.9219	-0.0982	-49	836	854	GDVNAAGAHLKQVFGQE PR						Mascot
1994.0201	1993.9219	-0.0982	-49	836	854	GDVNAAGAHLKQVFGQE PR						Mascot
2362.1277	2362.1213	-0.0064	-3	801	820	EEHLREAFLISGALMNTD CR				Carbamidomethyl (C)[19]		Mascot

33 PREDICTED: dystonin [Danio rerio] gi|326672751 766703.7 5.12 39 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4304	826.4244	-0.006	-7	371	377	ENEIPPK					Mascot
842.5168	842.4883	-0.0285	-34	1683	1689	LCLLPVK			Carbamidomethyl (C)[2]		Mascot
850.4087	850.5172	0.1085	128	3487	3493	MEALSQR			Oxidation (M)[1]		Mascot
870.5155	870.515	-0.0005	-1	1116	1122	IRTPLDR					Mascot
895.3461	895.4765	0.1304	146	5581	5587	VMDEDDR			Oxidation (M)[2]		Mascot
913.5353	913.5219	-0.0134	-15	2262	2269	AIIDPEKK					Mascot
960.5109	960.453	-0.0579	-60	5054	5062	SASDALIQR					Mascot
960.5546	960.453	-0.1016	-106	418	425	LIVAMLER	10	0	Oxidation (M)[5]		Mascot
996.5108	996.5706	0.0598	60	3265	3273	LDSAGSRYK					Mascot
1048.5786	1048.5868	0.0082	8	1833	1841	LASDLFLNR					Mascot
1118.5623	1118.6486	0.0863	77	3231	3240	VLDAAKACDR			Carbamidomethyl (C)[8]		Mascot
1122.6154	1122.4814	-0.134	-119	3750	3759	SSDFNALLKK					Mascot
1136.6422	1136.5454	-0.0968	-85	1623	1632	LAGDILHLER					Mascot
1234.7629	1234.6449	-0.118	-96	5570	5580	LNHQAGLLKK					Mascot
1277.5679	1277.6752	0.1073	84	2280	2290	LGMLDDEEAER					Mascot
1287.6903	1287.6376	-0.0527	-41	6522	6532	IEDEVTRQVAK					Mascot
1287.6903	1287.6376	-0.0527	-41	6522	6532	IEDEVTRQVAK					Mascot
1308.61	1308.6257	0.0157	12	3447	3457	ETALEQDMISR			Oxidation (M)[8]		Mascot
1327.6964	1327.687	-0.0094	-7	5278	5289	HRASTLDEAISK					Mascot
1327.6964	1327.687	-0.0094	-7	5278	5289	HRASTLDEAISK					Mascot
1376.728	1376.6588	-0.0692	-50	788	799	AENLLLENHPAR					Mascot
1383.5515	1383.6537	0.1022	74	2018	2029	TEECEAMDANVR			Oxidation (M)[7]		Mascot
1385.6075	1385.6288	0.0213	15	1550	1560	QLCMDLEDAFK			Carbamidomethyl (C)[3], Oxidation (M)[4]		Mascot
1412.6582	1412.6796	0.0214	15	1431	1442	AQMSMEEMVTKK					Mascot

1434.7271	1434.7316	0.0045	3	4627	4639	SAQLHEALLHCGR											Mascot
1493.7338	1493.6971	-0.0367	-25	4037	4049	LKEAECICAELSK							Carbamidomethyl (C)[6]				Mascot
1642.7893	1642.8878	0.0985	60	3840	3853	HMLAQIDAGWEEVK							Oxidation (M)[2]				Mascot
1642.7893	1642.8878	0.0985	60	3840	3853	HMLAQIDAGWEEVK							Oxidation (M)[2]				Mascot
1711.865	1711.8153	-0.0497	-29	4967	4980	LQSSHEELNVWLEK											Mascot
1790.9144	1790.8428	-0.0716	-40	3316	3331	KHQSEPIAGDPQSLQR											Mascot
1796.8008	1796.959	0.1582	88	617	632	SSFLDPNLSEDEANMK											Mascot
1826.816	1826.9319	0.1159	63	3611	3625	MAEVSSCQNQLQEFR							Carbamidomethyl (C)[7]				Mascot
1826.9177	1826.9319	0.0142	8	3640	3655	ERVPTLQPNCEQGLR											Mascot
1958.0706	1957.9656	-0.105	-54	3468	3486	VKAFVESADPAAAALLQT R											Mascot
1958.0706	1957.9656	-0.105	-54	3468	3486	VKAFVESADPAAAALLQT R											Mascot
1959.9952	1959.9406	-0.0546	-28	3888	3905	ELMMGVLGPLSVDPNML K							Oxidation (M)[3]				Mascot
2041.9681	2041.76	-0.2081	-102	1339	1355	KMQSSSDVIQEFMDLR											Mascot
2211.1301	2211.0493	-0.0808	-37	6571	6590	STVMVRVGGGWALDE FLVK							Oxidation (M)[4]				Mascot
2225.1548	2225.0632	-0.0916	-41	5419	5438	DTQELLKEELPGVDPSV VK											Mascot
2300.1162	2300.1187	0.0025	1	3840	3859	HMLAQIDAGWEEVKGSM EIR											Mascot
2361.9995	2362.1213	0.1218	52	2813	2833	GSSEMMSELDMDADDR GQIK											Mascot
2367.071	2367.2029	0.1319	56	5951	5968	QFHESWSKLEWLEESE R							Oxidation (M)[10]				Mascot
2384.0356	2383.8911	-0.1445	-61	1931	1950	QLFASYLMMNSYMDPES GQR							Oxidation (M)[8]				Mascot

34

PREDICTED: SAM and SH3 domain-containing protein 1-like [Danio rerio]

gi|125841197

113422.1

5.36

10

41

0

22

0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4628	850.5172	0.0544	64	904	911	LVSTSTSR					Mascot
984.4686	984.395	-0.0736	-75	130	136	SFWQNFR					Mascot
984.4686	984.395	-0.0736	-75	130	136	SFWQNFR	22	0			Mascot
1118.5801	1118.6486	0.0685	61	68	77	RVTQEATGK					Mascot
1165.6364	1165.7144	0.078	67	968	977	YGVPFSLVQR					Mascot
1277.6656	1277.6752	0.0096	8	938	948	MASLEILVEEK			Oxidation (M)[1]		Mascot
1516.6746	1516.6667	-0.0079	-5	772	783	SLHLEMSCFMFR			Oxidation (M)[6]		Mascot
1697.75	1697.8749	0.1249	74	223	236	EQSEDELEESVTFR					Mascot
1697.75	1697.8749	0.1249	74	223	236	EQSEDELEESVTFR					Mascot
2041.8556	2041.76	-0.0956	-47	520	537	SEDGDEDELPYRGPF CG					Mascot

	2362.0422	2362.1213	0.0791	33	492	515	R SSLSGGQSSMSGQTVSTT DSSASNR										Mascot
	2384.1201	2383.8911	-0.229	-96	375	396	ALNPANYHGRTCSFGGF DLTSR										Mascot
35	heparan sulfate 3-O-sulfotransferase 5 [Danio rerio]				gi 111609800	34931.4	8.73	8	40	0							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
937.489	937.4524	-0.0366	-39	94	100	KGLDWYR					Mascot
960.5301	960.453	-0.0771	-80	199	205	WLELFPR					Mascot
960.5301	960.453	-0.0771	-80	199	205	WLELFPR					Mascot
1045.5499	1045.5353	-0.0146	-14	129	137	IWAMNPAVK			Oxidation (M)[4]		Mascot
1308.7998	1308.6257	-0.1741	-133	138	148	LLLIIRDPAER					Mascot
1385.5977	1385.6288	0.0311	22	249	260	GFYCMLSAGHDK			Carbamidomethyl (C)[4]		Mascot
1492.8118	1492.786	-0.0258	-17	206	218	EQIHIVDGEALIR					Mascot
1697.7917	1697.8749	0.0832	49	81	93	TEIHYFNLDENFR					Mascot
1697.7917	1697.8749	0.0832	49	81	93	TEIHYFNLDENFR					Mascot
2284.1138	2284.1165	0.0027	1	261	280	CLDESKGRPHAPLSNEA FQK			Carbamidomethyl (C)[1]		Mascot

36	PREDICTED: suppressor of IKBKE 1-like [Danio rerio]				gi 125852483	24679.3	5.47	8	40	0							
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4165	826.4244	0.0079	10	191	196	QHREEK					Mascot
1277.6517	1277.6752	0.0235	18	2	13	SCSLEKVLGDAR					Mascot
1455.8165	1455.632	-0.1845	-127	170	181	LAQLEIENKELR					Mascot
1707.7167	1707.7281	0.0114	7	54	66	YMEENTYQELSR			Oxidation (M)[2]		Mascot
1958.0818	1957.9656	-0.1162	-59	120	136	KELDTKPVLSLHQNHAHAK					Mascot
1958.0818	1957.9656	-0.1162	-59	120	136	KELDTKPVLSLHQNHAHAK					Mascot
1993.8855	1993.9219	0.0364	18	154	169	QAVQMDDQHYCSVKER			Carbamidomethyl (C)[11]		Mascot
1993.8855	1993.9219	0.0364	18	154	169	QAVQMDDQHYCSVKER			Carbamidomethyl (C)[11]		Mascot
2042.0037	2041.76	-0.2437	-119	21	39	EHDTAAESLIEQSSVLGQ K					Mascot
2283.1826	2283.1199	-0.0627	-27	19	39	LKEHDTAAESLIEQSSVL GQK					Mascot

37	protein Hook homolog 1 [Danio rerio]				gi 113676708	83063.4	5.24	9	40	0	24	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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				Seq.	Seq.	Score			
	842.5458	842.4883	-0.0575	-68	636	642	KIALER		Mascot
	960.4996	960.453	-0.0466	-49	323	330	LEDLSDLR	24	0
	960.4996	960.453	-0.0466	-49	323	330	LEDLSDLR		Mascot
	976.488	976.4487	-0.0393	-40	643	650	ECEQAKLR		Mascot
	992.5081	992.4415	-0.0666	-67	332	339	QMKALEEK		Oxidation (M)[2]
	1165.5956	1165.7144	0.1188	102	577	586	MDELMAALKK		Oxidation (M)[1]
	1364.6614	1364.6595	-0.0019	-1	177	188	ALEDLTEVMAEK		Oxidation (M)[9]
	1364.6614	1364.6595	-0.0019	-1	177	188	ALEDLTEVMAEK		Oxidation (M)[9]
	1492.7563	1492.786	0.0297	20	176	188	KALEDLTEVMAEK		Oxidation (M)[10]
	1516.7788	1516.6667	-0.1121	-74	425	438	CTQAQQDQLLAGK		Mascot
	2367.1899	2367.2029	0.013	5	274	293	QLVELQHRNDELTSLAEE SR		Mascot

38

tropomyosin alpha-4 chain isoform 2 [Danio rerio]

gi|47085929

28484.4

4.63

8

40

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.3975	850.5172	0.1197	141	98	104	AMKDEEK					Mascot
960.5294	960.453	-0.0764	-80	93	100	VIENRAMK	10	0			Mascot
960.5294	960.453	-0.0764	-80	93	100	VIENRAMK					Mascot
976.5244	976.4487	-0.0757	-78	93	100	VIENRAMK			Oxidation (M)[7]		Mascot
1165.5592	1165.7144	0.1552	133	105	113	MEIQEMQLK			Oxidation (M)[1]		Mascot
1234.5732	1234.6449	0.0717	58	143	153	AEERAEVAECK					Mascot
1277.6882	1277.6752	-0.013	-10	1	12	MTGVTSLDAVKR					Mascot
1308.6178	1308.6257	0.0079	6	198	208	EAETRAEFAER					Mascot
1434.7322	1434.7316	-0.0006	0	216	228	SIDDLLEEKLSAK					Mascot
1493.7338	1493.6971	-0.0367	-25	105	116	MEIQEMQLKEAK			Oxidation (M)[1]		Mascot

39

ADP/ATP translocase 1 [Danio rerio]

gi|47550717

32667.2

9.74

8

39

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
976.5825	976.4487	-0.1338	-137	97	105	KIFLGGVDK					Mascot
984.4423	984.395	-0.0473	-48	238	245	MMMQSGRK			Oxidation (M)[1]		Mascot
984.4423	984.395	-0.0473	-48	238	245	MMMQSGRK			Oxidation (M)[1]		Mascot
996.4536	996.5706	0.117	117	237	244	RMMMQSGR					Mascot

1136.6786	1136.5454	-0.1332	-117	34	43	LLLQVQHASK	Mascot
1957.9728	1957.9656	-0.0072	-4	189	206	AAYFGIYDTAKGMLPDPK	Mascot
1957.9728	1957.9656	-0.0072	-4	189	206	AAYFGIYDTAKGMLPDPK	Mascot
2283.2053	2283.1199	-0.0854	-37	1	23	MSDAAISFLKDFLAGGVA AAISK	Mascot
2284.2236	2284.1165	-0.1071	-47	73	92	GNLANVIRYFPTQALNFA FK	Mascot
2362.3127	2362.1213	-0.1914	-81	273	295	GALSNVIRGAGGAFVLVL YDEIK	Mascot

40 PREDICTED: hypothetical protein LOC797378 [Danio rerio] gi|292622805 72531.1 6.46 4 39 0 32 81.467

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.577	870.515	-0.062	-71	493	500	VAIKVVNK					Mascot
882.4501	882.5435	0.0934	106	1	7	MSTRPFK			Oxidation (M)[1]		Mascot
1287.7015	1287.6376	-0.0639	-50	566	577	KNNGLLSESVAR	32	81.467			Mascot
1287.7015	1287.6376	-0.0639	-50	566	577	KNNGLLSESVAR					Mascot
2224.9221	2225.0632	0.1411	63	51	68	LSEMENTRDTMTSYEE K			Oxidation (M)[4,12]		Mascot

41 novel protein similar to vertebrate tropomyosin 4 (TPM4) (zgc:63909) [Danio rerio]

gi|94732583 23433.8 4.6 7 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.3975	850.5172	0.1197	141	54	60	AMKDEEK					Mascot
960.5294	960.453	-0.0764	-80	49	56	VIENRAMK	10	0			Mascot
960.5294	960.453	-0.0764	-80	49	56	VIENRAMK					Mascot
976.5244	976.4487	-0.0757	-78	49	56	VIENRAMK			Oxidation (M)[7]		Mascot
1165.5592	1165.7144	0.1552	133	61	69	MEIQEMQLK			Oxidation (M)[1]		Mascot
1234.5732	1234.6449	0.0717	58	99	109	AEERAIEVAECK					Mascot
1308.6178	1308.6257	0.0079	6	154	164	EAETRAEFAER					Mascot
1434.7322	1434.7316	-0.0006	0	172	184	SIDDLLEKLSSAK					Mascot
1493.7338	1493.6971	-0.0367	-25	61	72	MEIQEMQLKEAK			Oxidation (M)[1]		Mascot

42 PREDICTED: hypothetical protein LOC796277 [Danio rerio] gi|292622807 79431.9 5.54 4 39 0 32 81.467

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	870.577	870.515	-0.062	-71	565	572	VAIKVVNK									Mascot
	882.4501	882.5435	0.0934	106	1	7	MSTRPFK					Oxidation (M)[1]				Mascot
	1287.7015	1287.6376	-0.0639	-50	638	649	KNNGLLSESVAR	32		81.467						Mascot
	1287.7015	1287.6376	-0.0639	-50	638	649	KNNGLLSESVAR									Mascot
	2224.9221	2225.0632	0.1411	63	51	68	LSEMENTRDTMTSYEE K					Oxidation (M)[4,12]				Mascot
43	PREDICTED: serine/threonine-protein kinase pim-3-like gi 326675215 23705.1 8.34 2 39 0 32 81.467 [Danio rerio]															
	Peptide Information															
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
	1287.7015	1287.6376	-0.0639	-50	44	55	KNNGLLSESVAR	32		81.467					Mascot	
	1287.7015	1287.6376	-0.0639	-50	44	55	KNNGLLSESVAR								Mascot	
	1364.7419	1364.6595	-0.0824	-60	184	195	TGPVLEEIIIEHK								Mascot	
	1364.7419	1364.6595	-0.0824	-60	184	195	TGPVLEEIIIEHK								Mascot	
44	ras-like protein Rnd3b [Danio rerio] gi 60459922 25130.6 6.99 7 39 0															
	Peptide Information															
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
	826.3797	826.4244	0.0447	54	218	224	AKTCTVM				Carbamidomethyl (C)[4], Oxidation (M)[7]				Mascot	
	992.5775	992.4415	-0.136	-137	23	31	TSLNLFVAK								Mascot	
	1048.4629	1048.5868	0.1239	118	2	9	MDHHDDLK				Oxidation (M)[1]				Mascot	
	1118.5874	1118.6486	0.0612	55	12	22	IVVVGDTQCGK								Mascot	
	1179.5034	1179.5699	0.0665	56	1	9	MMDHHDDLK				Oxidation (M)[1]				Mascot	
	1320.5936	1320.5471	-0.0465	-35	2	11	MDHHDDLKCK				Carbamidomethyl (C)[9]				Mascot	
	1323.5885	1323.639	0.0505	38	105	115	GEIEEFCPNTK				Carbamidomethyl (C)[7]				Mascot	
45	PREDICTED: myosin-Ic [Danio rerio] gi 326674254 122614.2 9.09 18 38 0															
	Peptide Information															
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
	826.4781	826.4244	-0.0537	-65	357	363	EALTHKK								Mascot	
	996.5104	996.5706	0.0602	60	616	623	LMEILMSK				Oxidation (M)[2,6]				Mascot	
	1045.5887	1045.5353	-0.0534	-51	695	704	QVDGVSTLVK								Mascot	
	1048.6223	1048.5868	-0.0355	-34	924	932	MKYAVPVIK								Mascot	
	1118.5762	1118.6486	0.0724	65	483	491	IICDLVEEK				Carbamidomethyl (C)[3]				Mascot	

	1122.5581	1122.4814	-0.0767	-68	855	863	LCMQNMVRK										Mascot
	1136.6058	1136.5454	-0.0604	-53	962	970	QRIDYNSLK										Mascot
	1179.5796	1179.5699	-0.0097	-8	855	863	LCMQNMVRK					Carbamidomethyl (C)[2]					Mascot
	1364.7056	1364.6595	-0.0461	-34	727	738	TLFATEDALEVR										Mascot
	1364.7056	1364.6595	-0.0461	-34	727	738	TLFATEDALEVR										Mascot
	1383.7743	1383.6537	-0.1206	-87	642	652	FDEVLRHQVK										Mascot
	1385.7172	1385.6288	-0.0884	-64	740	751	HSLATQLQSSWK										Mascot
	1434.6893	1434.7316	0.0423	29	139	152	DQCILISGESGAGK					Carbamidomethyl (C)[3]					Mascot
	1492.8005	1492.786	-0.0145	-10	727	739	TLFATEDALEVRK										Mascot
	1493.8066	1493.6971	-0.1095	-73	611	623	NSLAKLMEILMSK					Oxidation (M)[7]					Mascot
	1660.8553	1660.8142	-0.0411	-25	518	532	LENTVGGAHFLTHK										Mascot
	1676.8424	1676.8079	-0.0345	-21	624	637	EPSYVRCIKPNDK					Carbamidomethyl (C)[7]					Mascot
	1697.8064	1697.8749	0.0685	40	867	879	NINPEWKHQMEQK					Oxidation (M)[10]					Mascot
	1697.8064	1697.8749	0.0685	40	867	879	NINPEWKHQMEQK					Oxidation (M)[10]					Mascot
	1711.8757	1711.8153	-0.0604	-35	616	629	LMEILMSKEPSYVR					Oxidation (M)[2]					Mascot
	1846.86	1846.7911	-0.0689	-37	368	384	GEELMSPLNQEQAASAR					Oxidation (M)[5]					Mascot
46	protein BTG3 [Danio rerio]				gi 55925203		18115.1	5.85	6	37	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1136.6714	1136.5454	-0.126	-111	4	13	EIAAVVFFLK						Mascot
1676.7771	1676.8079	0.0308	18	91	104	ELTLWVDPGEVCCR				Carbamidomethyl (C)[12]		Mascot
2211.0208	2211.0493	0.0285	13	91	108	ELTLWVDPGEVCCRYGEK				Carbamidomethyl (C)[12,13]		Mascot
2224.9412	2225.0632	0.122	55	139	158	VTSDYHSGSSSDEDSMLVHR				Oxidation (M)[16]		Mascot
2300.1414	2300.1187	-0.0227	-10	85	104	DLGLPKELTLWVDPGEVCCR				Carbamidomethyl (C)[18]		Mascot
2362.0105	2362.1213	0.1108	47	105	125	YGEKNHGFTVATFSSDDDDK						Mascot

47 PREDICTED: ras association domain-containing protein gi|189537462 49870 4.96 4 37 0 33 84.936
10 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4318	850.5172	0.0854	100	60	65	WRGFER						Mascot
960.4632	960.453	-0.0102	-11	184	191	ELDGEIER	33	84.936				Mascot
960.4632	960.453	-0.0102	-11	184	191	ELDGEIER						Mascot
992.5193	992.4415	-0.0778	-78	25	33	RTTCADVVK						Mascot

	1796.8306	1796.959	0.1284	71	1	14	MEQEESKISVWVCR						Carbamidomethyl (C)[13], Oxidation (M)[1]	Mascot
48	PREDICTED: signal-induced proliferation-associated 1-like protein 2-like, partial [Danio rerio]				gi 326680992	100188.3	6.82	11	36	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
826.5032	826.4244	-0.0788	-95	546	552	VPEQLLK						Mascot
842.4406	842.4883	0.0477	57	51	57	VTDWPPK						Mascot
937.5101	937.4524	-0.0577	-62	759	765	TRQEYLK						Mascot
960.438	960.453	0.015	16	368	376	NEIGGEGER	13		0			Mascot
960.438	960.453	0.015	16	368	376	NEIGGEGER						Mascot
976.5798	976.4487	-0.1311	-134	103	110	GLHPIRQR						Mascot
1287.5964	1287.6376	0.0412	32	478	487	DKETAQNYR						Mascot
1287.5964	1287.6376	0.0412	32	478	487	DKETAQNYR						Mascot
1383.7114	1383.6537	-0.0577	-42	233	244	LKSESSETSLFR						Mascot
1455.705	1455.632	-0.073	-50	152	164	QQLGNDGFFTMLR						Mascot
1516.7424	1516.6667	-0.0757	-50	30	44	QEVGGKSNTPAMPK				Oxidation (M)[13]		Mascot
1796.8912	1796.959	0.0678	38	766	782	DLAENFVSTTTVDSAVK						Mascot
2705.1541	2705.0928	-0.0613	-23	867	888	IFYERGECEVMFSAHDNCGEDIR				Carbamidomethyl (C)[8,17]		Mascot

49	Chain A, Crystal Structure Of The Glycine 55 Arginine Mutant Of Zebrafish Liver Bile Acid-Binding Protein Complexed With Cholic Acid	gi 157836022	14094.4	9.1	1		26	26.048
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
960.5294	960.453	-0.0764	-80	85	93	LDGGKLVCR	26	26.048			3	Mascot

50	disrupted in schizophrenia 1 [Danio rerio]	gi 214010133	112147.1	5.07	1		25	11.294
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
960.5359	960.453	-0.0829	-86	933	940	ELTSLSLR	25	11.294			4	Mascot

Gel Idx/Pos	239/J15	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
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1	nonspecific cytotoxic cell receptor protein 1 [Danio rerio] gi 169790804		27238.5	5.55	11	914	100	829	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
985.5366	985.5081	-0.0285	-29	202	208	YIHFLHR	43	98.839			Mascot
985.5366	985.5081	-0.0285	-29	202	208	YIHFLHR					Mascot
1038.5288	1038.5004	-0.0284	-27	151	158	CIYQLDVK			Carbamidomethyl (C)[1]		Mascot
1239.6368	1239.6039	-0.0329	-27	30	39	SVFETKPFER	71	99.998			Mascot
1239.6368	1239.6039	-0.0329	-27	30	39	SVFETKPFER					Mascot
1404.6616	1404.6228	-0.0388	-28	211	221	NQFMVEFFNTK					Mascot
1420.6565	1420.6182	-0.0383	-27	211	221	NQFMVEFFNTK	54	99.9	Oxidation (M)[4]		Mascot
1420.6565	1420.6182	-0.0383	-27	211	221	NQFMVEFFNTK			Oxidation (M)[4]		Mascot
1438.7035	1438.6646	-0.0389	-27	111	121	WFTLEQCVDLK			Carbamidomethyl (C)[7]		Mascot
1438.7035	1438.6646	-0.0389	-27	111	121	WFTLEQCVDLK	79	100	Carbamidomethyl (C)[7]		Mascot
1645.8407	1645.8535	0.0128	8	209	221	LKNQFMVEFFNTK					Mascot
1661.8356	1661.791	-0.0446	-27	209	221	LKNQFMVEFFNTK			Oxidation (M)[6]		Mascot
2336.9878	2336.9368	-0.051	-22	170	187	QHTYNPEEDLECYSHW K	114	100	Carbamidomethyl (C)[12]		Mascot
2336.9878	2336.9368	-0.051	-22	170	187	QHTYNPEEDLECYSHW K			Carbamidomethyl (C)[12]		Mascot
2428.0696	2428.0054	-0.0642	-26	9	29	CDSEWQLGAHGVPMPD TVDWK			Carbamidomethyl (C)[1]		Mascot
2444.0645	2444.0154	-0.0491	-20	9	29	CDSEWQLGAHGVPMPD TVDWK			Carbamidomethyl (C)[1], Oxidation (M)[14]		Mascot
2463.2527	2463.198	-0.0547	-22	40	61	NLLQNPSPYGVNHTVPP PEPHR					Mascot
2463.2527	2463.198	-0.0547	-22	40	61	NLLQNPSPYGVNHTVPP PEPHR	158	100			Mascot
2492.2205	2492.1611	-0.0594	-24	62	84	SGIPPPSDRPPQLEPEGN FSGWK					Mascot
2492.2205	2492.1611	-0.0594	-24	62	84	SGIPPPSDRPPQLEPEGN FSGWK	114	100			Mascot
2891.4719	2891.4106	-0.0613	-21	85	110	TNTEVLPHYDTSGIPPGVVI CQLPQHR	196	100	Carbamidomethyl (C)[20]		Mascot
2891.4719	2891.4106	-0.0613	-21	85	110	TNTEVLPHYDTSGIPPGVVI CQLPQHR			Carbamidomethyl (C)[20]		Mascot

2	Nonspecific cytotoxic cell receptor protein 1 [Danio rerio]	gi 77748006	27210.5	5.55	10	823	100	751	100
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Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type	
985.5366	985.5081	-0.0285	-29	202	208	YIHFLHR	43	98.839				Mascot	
985.5366	985.5081	-0.0285	-29	202	208	YIHFLHR						Mascot	
1038.5288	1038.5004	-0.0284	-27	151	158	CIYQLDVK				Carbamidomethyl (C)[1]		Mascot	
1239.6368	1239.6039	-0.0329	-27	30	39	SVFETKPFER	71	99.998				Mascot	
1239.6368	1239.6039	-0.0329	-27	30	39	SVFETKPFER						Mascot	
1404.6616	1404.6228	-0.0388	-28	211	221	NQFMVEFFNTK						Mascot	
1420.6565	1420.6182	-0.0383	-27	211	221	NQFMVEFFNTK	54	99.9		Oxidation (M)[4]		Mascot	
1420.6565	1420.6182	-0.0383	-27	211	221	NQFMVEFFNTK				Oxidation (M)[4]		Mascot	
1645.8407	1645.8535	0.0128	8	209	221	LKNQFMVEFFNTK						Mascot	
1661.8356	1661.791	-0.0446	-27	209	221	LKNQFMVEFFNTK				Oxidation (M)[6]		Mascot	
2336.9878	2336.9368	-0.051	-22	170	187	QHTYNPEEDLECYSHW K	114	100		Carbamidomethyl (C)[12]		Mascot	
2336.9878	2336.9368	-0.051	-22	170	187	QHTYNPEEDLECYSHW K				Carbamidomethyl (C)[12]		Mascot	
2428.0696	2428.0054	-0.0642	-26	9	29	CDSEWQLGAHGVPMPD TVDWK				Carbamidomethyl (C)[1]		Mascot	
2444.0645	2444.0154	-0.0491	-20	9	29	CDSEWQLGAHGVPMPD TVDWK				Carbamidomethyl (C)[1], Oxidation (M)[14]		Mascot	
2463.2527	2463.198	-0.0547	-22	40	61	NLLQNPSPYGVNHTVPP PEPHR						Mascot	
2463.2527	2463.198	-0.0547	-22	40	61	NLLQNPSPYGVNHTVPP PEPHR	158	100				Mascot	
2492.2205	2492.1611	-0.0594	-24	62	84	SGIPPPSDRPPQLEPEGN FSGWK						Mascot	
2492.2205	2492.1611	-0.0594	-24	62	84	SGIPPPSDRPPQLEPEGN FSGWK	114	100				Mascot	
2891.4719	2891.4106	-0.0613	-21	85	110	TNTEVLPHYDTSGIPPGVVI CQLPQHR	196	100		Carbamidomethyl (C)[20]		Mascot	
2891.4719	2891.4106	-0.0613	-21	85	110	TNTEVLPHYDTSGIPPGVVI CQLPQHR				Carbamidomethyl (C)[20]		Mascot	
3	NCC receptor protein 1 [Danio rerio]			gil6630992		27267.5	5.55	10	788	100	716	100	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification				Rank Result Type
985.5366	985.5081	-0.0285	-29	202	208 YIHFLHR	43	98.839				Mascot
985.5366	985.5081	-0.0285	-29	202	208 YIHFLHR						Mascot
1038.5288	1038.5004	-0.0284	-27	151	158 CIYQLDVK			Carbamidomethyl (C)[1]			Mascot
1239.6368	1239.6039	-0.0329	-27	30	39 SVFETKPFER	71	99.998				Mascot
1239.6368	1239.6039	-0.0329	-27	30	39 SVFETKPFER						Mascot
1404.6616	1404.6228	-0.0388	-28	211	221 NQFMVEFFNTK						Mascot
1420.6565	1420.6182	-0.0383	-27	211	221 NQFMVEFFNTK	54	99.9	Oxidation (M)[4]			Mascot

1420.6565	1420.6182	-0.0383	-27	211	221	NQFMVEFFNTK						Oxidation (M)[4]	Mascot
1438.7035	1438.6646	-0.0389	-27	111	121	WFTLEQCVDLK						Carbamidomethyl (C)[7]	Mascot
1438.7035	1438.6646	-0.0389	-27	111	121	WFTLEQCVDLK	79	100				Carbamidomethyl (C)[7]	Mascot
1645.8407	1645.8535	0.0128	8	209	221	LKNQFMVEFFNTK							Mascot
1661.8356	1661.791	-0.0446	-27	209	221	LKNQFMVEFFNTK						Oxidation (M)[6]	Mascot
2428.0696	2428.0054	-0.0642	-26	9	29	CDSEWQLGAHGVPMPD TVDWK						Carbamidomethyl (C)[1]	Mascot
2444.0645	2444.0154	-0.0491	-20	9	29	CDSEWQLGAHGVPMPD TVDWK						Carbamidomethyl (C)[1], Oxidation (M)[14]	Mascot
2463.2527	2463.198	-0.0547	-22	40	61	NLLQNPSPYGVNHTVPP PEPHR							Mascot
2463.2527	2463.198	-0.0547	-22	40	61	NLLQNPSPYGVNHTVPP PEPHR	158	100					Mascot
2492.2205	2492.1611	-0.0594	-24	62	84	SGIPPPSDRPPQLEPEGN FSGWK							Mascot
2492.2205	2492.1611	-0.0594	-24	62	84	SGIPPPSDRPPQLEPEGN FSGWK	114	100					Mascot
2891.4719	2891.4106	-0.0613	-21	85	110	TNTEVLPYDTSGIPPGVVI CQLPQHR	196	100				Carbamidomethyl (C)[20]	Mascot
2891.4719	2891.4106	-0.0613	-21	85	110	TNTEVLPYDTSGIPPGVVI CQLPQHR						Carbamidomethyl (C)[20]	Mascot
4	Nccrp1 protein [Danio rerio]				gi 120537856		27254.5	5.55	11	717	100	633	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
985.5366	985.5081	-0.0285	-29	202	208	YIHFLHR	43	98.839			Mascot
985.5366	985.5081	-0.0285	-29	202	208	YIHFLHR					Mascot
1038.5288	1038.5004	-0.0284	-27	151	158	CIYQLDVK			Carbamidomethyl (C)[1]		Mascot
1239.6368	1239.6039	-0.0329	-27	30	39	SVFETKPFER	71	99.998			Mascot
1239.6368	1239.6039	-0.0329	-27	30	39	SVFETKPFER					Mascot
1404.6616	1404.6228	-0.0388	-28	211	221	NQFMVEFFNTK					Mascot
1420.6565	1420.6182	-0.0383	-27	211	221	NQFMVEFFNTK	54	99.9	Oxidation (M)[4]		Mascot
1420.6565	1420.6182	-0.0383	-27	211	221	NQFMVEFFNTK			Oxidation (M)[4]		Mascot
1438.7035	1438.6646	-0.0389	-27	111	121	WFTLEQCVDLK			Carbamidomethyl (C)[7]		Mascot
1438.7035	1438.6646	-0.0389	-27	111	121	WFTLEQCVDLK	79	100	Carbamidomethyl (C)[7]		Mascot
1645.8407	1645.8535	0.0128	8	209	221	LKNQFMVEFFNTK					Mascot
1661.8356	1661.791	-0.0446	-27	209	221	LKNQFMVEFFNTK			Oxidation (M)[6]		Mascot
2336.9878	2336.9368	-0.051	-22	170	187	QHTYNPEEDLECYSTW K	114	100	Carbamidomethyl (C)[12]		Mascot
2336.9878	2336.9368	-0.051	-22	170	187	QHTYNPEEDLECYSTW K			Carbamidomethyl (C)[12]		Mascot
2428.0696	2428.0054	-0.0642	-26	9	29	CDSEWQLGAHGVPMPD TVDWK			Carbamidomethyl (C)[1]		Mascot
2444.0645	2444.0154	-0.0491	-20	9	29	CDSEWQLGAHGVPMPD TVDWK			Carbamidomethyl (C)[1], Oxidation (M)[14]		Mascot

	2463.2527	2463.198	-0.0547	-22	40	61	NLLQNPSPYGVNHTVPP PEPHR							Mascot
	2463.2527	2463.198	-0.0547	-22	40	61	NLLQNPSPYGVNHTVPP PEPHR	158	100					Mascot
	2492.2205	2492.1611	-0.0594	-24	62	84	SGIPPPSDRPPQLEPEGN FSGWK							Mascot
	2492.2205	2492.1611	-0.0594	-24	62	84	SGIPPPSDRPPQLEPEGN FSGWK	114	100					Mascot
	2921.4827	2921.4275	-0.0552	-19	85	110	TNTEVLPYDTSGIPPSVVI CQLPQHR			Carbamidomethyl (C)[20]				Mascot
5	Vtg1 protein [Danio rerio]					gi 63100501	36409.1	9.23	6	242	100	220	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4528	-0.0257	-27	218	224	LEVEWER					Mascot
1287.6691	1287.6373	-0.0318	-25	205	217	AEAGVLGEFPAAR					Mascot
1364.6957	1364.6613	-0.0344	-25	239	250	HILTAAYDTGFR					Mascot
1642.9315	1642.8906	-0.0409	-25	121	135	FLGNDIPPVFIIAR	98	100			Mascot
1642.9315	1642.8906	-0.0409	-25	121	135	FLGNDIPPVFIIAR					Mascot
1826.9799	1826.9316	-0.0483	-26	143	158	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9316	-0.0483	-26	143	158	LLGYQLAAYFDKPTAR	121	100			Mascot
1958.0189	1957.9667	-0.0522	-27	254	271	ATNSEKEIELTAALPSQR					Mascot

6	vitellogenin 7 [Danio rerio]					gi 57864789	24318.7	8.37	4	237	100	220	100	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4528	-0.0257	-27	113	119	LEVEWER					Mascot
1287.6691	1287.6373	-0.0318	-25	100	112	AEAGVLGEFPAAR					Mascot
1642.9315	1642.8906	-0.0409	-25	16	30	FLGNDLPPVFIIAR	98	100			Mascot
1642.9315	1642.8906	-0.0409	-25	16	30	FLGNDLPPVFIIAR					Mascot
1826.9799	1826.9316	-0.0483	-26	38	53	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9316	-0.0483	-26	38	53	LLGYQLAAYFDKPTAR	121	100			Mascot

7	Vtg1 protein [Danio rerio]					gi 145337918	116565.5	9.07	9	233	100	220	100	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4528	-0.0257	-27	964	970	LEVEWER					Mascot
1021.5676	1021.4751	-0.0925	-91	594	602	ADILKGNKY					Mascot

1038.5942	1038.5004	-0.0938	-90	390	399	TGGIHEALLK											Mascot
1287.6691	1287.6373	-0.0318	-25	951	963	AEAGVLGEFPAAR											Mascot
1364.6957	1364.6613	-0.0344	-25	985	996	HILTAAYDTGFR											Mascot
1412.7494	1412.6802	-0.0692	-49	675	686	TLCYAVPYIEIK											Mascot
1642.9315	1642.8906	-0.0409	-25	867	881	FLGNDIPPVFIIAR	98	100									Mascot
1642.9315	1642.8906	-0.0409	-25	867	881	FLGNDIPPVFIIAR											Mascot
1826.9799	1826.9316	-0.0483	-26	889	904	LLGYQLAAYFDKPTAR											Mascot
1826.9799	1826.9316	-0.0483	-26	889	904	LLGYQLAAYFDKPTAR	121	100									Mascot
1958.0189	1957.9667	-0.0522	-27	1000	1017	ATNSEKEIELTAALPSQR											Mascot

8

vitellogenin 1 [Danio rerio]

gi|166795887

149452.5

8.68

10

232

100

220

100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4528	-0.0257	-27	1258	1264	LEVEWER					Mascot
1021.5676	1021.4751	-0.0925	-91	888	896	ADILKGNKY					Mascot
1038.4707	1038.5004	0.0297	29	204	212	CAECTERVK					Mascot
1287.6691	1287.6373	-0.0318	-25	1245	1257	AEAGVLGEFPAAR					Mascot
1364.6957	1364.6613	-0.0344	-25	1279	1290	HILTAAYDTGFR					Mascot
1412.7494	1412.6802	-0.0692	-49	969	980	TLCYAVPYIEIK					Mascot
1642.9315	1642.8906	-0.0409	-25	1161	1175	FLGNDIPPVFIIAR	98	100			Mascot
1642.9315	1642.8906	-0.0409	-25	1161	1175	FLGNDIPPVFIIAR					Mascot
1826.9799	1826.9316	-0.0483	-26	1183	1198	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9316	-0.0483	-26	1183	1198	LLGYQLAAYFDKPTAR	121	100			Mascot
1958.0189	1957.9667	-0.0522	-27	1294	1311	ATNSEKEIELTAALPSQR					Mascot
2233.2009	2233.0215	-0.1794	-80	593	614	SLTRITAPDMAYVAGAAN VAIK					Mascot

9

vitellogenin 1 [Danio rerio]

gi|21391472

127954.2

8.69

9

232

100

220

100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4528	-0.0257	-27	1065	1071	LEVEWER					Mascot
1021.5676	1021.4751	-0.0925	-91	697	705	ADILKGNKY					Mascot
1038.4707	1038.5004	0.0297	29	13	21	CAECTERVK					Mascot
1287.6691	1287.6373	-0.0318	-25	1052	1064	AEAGVLGEFPAAR					Mascot
1364.6957	1364.6613	-0.0344	-25	1086	1097	HILTAAYDTGFR					Mascot
1412.7494	1412.6802	-0.0692	-49	778	789	TLCYAVPYIEIK					Mascot

	1642.9315	1642.8906	-0.0409	-25	968	982	FLGNDIPPVFALLAR	98	100						Mascot
	1642.9315	1642.8906	-0.0409	-25	968	982	FLGNDIPPVFALLAR								Mascot
	1826.9799	1826.9316	-0.0483	-26	990	1005	LLGYQLAAYFDKPTAR								Mascot
	1826.9799	1826.9316	-0.0483	-26	990	1005	LLGYQLAAYFDKPTAR	121	100						Mascot
	1958.0189	1957.9667	-0.0522	-27	1101	1118	ATNSEKEIELTAALPSQR								Mascot
10	vitellogenin 5 [Danio rerio]				gi 57864785		72820.8	9	6	231	100	220	100		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4528	-0.0257	-27	564	570	LEVEWER					Mascot
1021.5676	1021.4751	-0.0925	-91	197	205	ADILKGNKY					Mascot
1412.7494	1412.6802	-0.0692	-49	278	289	TLCYAVPYIEIK					Mascot
1642.9315	1642.8906	-0.0409	-25	467	481	FLGNDIPPVFALLAR	98	100			Mascot
1642.9315	1642.8906	-0.0409	-25	467	481	FLGNDIPPVFALLAR					Mascot
1681.7736	1681.9386	0.165	98	376	391	NTPVSSESSSSSRNSR					Mascot
1826.9799	1826.9316	-0.0483	-26	489	504	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9316	-0.0483	-26	489	504	LLGYQLAAYFDKPTAR	121	100			Mascot

11	Zgc:136383 [Danio rerio]				gi 92097636		28809.9	9.33	4	231	100	220	100		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4528	-0.0257	-27	156	162	LEVEWER					Mascot
1045.5465	1045.5343	-0.0122	-12	246	253	DFLSWIHK					Mascot
1642.9315	1642.8906	-0.0409	-25	59	73	FLGNDIPPVFALLAR	98	100			Mascot
1642.9315	1642.8906	-0.0409	-25	59	73	FLGNDIPPVFALLAR					Mascot
1826.9799	1826.9316	-0.0483	-26	81	96	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9316	-0.0483	-26	81	96	LLGYQLAAYFDKPTAR	121	100			Mascot

12	vitellogenin 6 [Danio rerio]				gi 57864787		38968.8	8.92	4	231	100	220	100		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4528	-0.0257	-27	255	261	LEVEWER					Mascot
1642.9315	1642.8906	-0.0409	-25	158	172	FLGNDIPPVFALLAR	98	100			Mascot
1642.9315	1642.8906	-0.0409	-25	158	172	FLGNDIPPVFALLAR					Mascot

		1826.9799	1826.9316	-0.0483	-26	180	195	LLGYQLAAYFDKPTAR									Mascot
		1826.9799	1826.9316	-0.0483	-26	180	195	LLGYQLAAYFDKPTAR		121	100						Mascot
		1958.0189	1957.9667	-0.0522	-27	291	308	ATNSEKEIELTAALPSQR									Mascot
13	vitellogenin 1 [Danio rerio]						gi 94733730	149140.4	8.74	9	230	100	220	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
960.4785	960.4528	-0.0257	-27	1258	1264 LEVEWER					Mascot
1021.5676	1021.4751	-0.0925	-91	888	896 ADILKGNKY					Mascot
1038.4707	1038.5004	0.0297	29	204	212 CAECTERVK					Mascot
1287.6691	1287.6373	-0.0318	-25	1245	1257 AEAGVLGEFPAAR					Mascot
1364.6957	1364.6613	-0.0344	-25	1279	1290 HILTAAYDTGFR					Mascot
1412.7494	1412.6802	-0.0692	-49	969	980 TLCYAVPYIEIK					Mascot
1642.9315	1642.8906	-0.0409	-25	1161	1175 FLGNDIPPVFIIAR	98	100			Mascot
1642.9315	1642.8906	-0.0409	-25	1161	1175 FLGNDIPPVFIIAR					Mascot
1826.9799	1826.9316	-0.0483	-26	1183	1198 LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9316	-0.0483	-26	1183	1198 LLGYQLAAYFDKPTAR	121	100			Mascot
1958.0189	1957.9667	-0.0522	-27	1294	1311 ATNSEKEIELTAALPSQR					Mascot

14	vitellogenin 5 [Danio rerio]						gi 68448530	148868	8.77	8	230	100	220	100			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
960.4785	960.4528	-0.0257	-27	1258	1264 LEVEWER					Mascot
1021.5676	1021.4751	-0.0925	-91	888	896 ADILKGNKY					Mascot
1412.7494	1412.6802	-0.0692	-49	969	980 TLCYAVPYIEIK					Mascot
1642.9315	1642.8906	-0.0409	-25	1161	1175 FLGNDIPPVFIIAR	98	100			Mascot
1642.9315	1642.8906	-0.0409	-25	1161	1175 FLGNDIPPVFIIAR					Mascot
1681.7736	1681.9386	0.165	98	1067	1082 NTPVSSSESSSSRNSR					Mascot
1826.9799	1826.9316	-0.0483	-26	1183	1198 LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9316	-0.0483	-26	1183	1198 LLGYQLAAYFDKPTAR	121	100			Mascot
2800.4485	2800.3999	-0.0486	-17	446	471 HCTAVPTCPAELLRIPIEI ATEAISK					Mascot
2913.6382	2913.3945	-0.2437	-84	119	145 AFAPAGVSPTVMNLYRGI LNILQLNLK					Mascot

15	vitellogenin 4 [Danio rerio]						gi 57864783	31189.9	9.48	3	229	100	220	100			
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification	Rank	Result Type
	960.4785	960.4528	-0.0257	-27	182	188 LEVEWER						Mascot
	1642.9315	1642.8906	-0.0409	-25	85	99 FLGNDIPPVFIIAR		98	100			Mascot
	1642.9315	1642.8906	-0.0409	-25	85	99 FLGNDIPPVFIIAR						Mascot
	1826.9799	1826.9316	-0.0483	-26	107	122 LLGYQLAAYFDKPTAR						Mascot
	1826.9799	1826.9316	-0.0483	-26	107	122 LLGYQLAAYFDKPTAR		121	100			Mascot
16	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94732723					147084.2	8.73	8	229	100	220	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type		
	960.4785	960.4528	-0.0257	-27	1239	1245 LEVEWER					Mascot		
	1021.5676	1021.4751	-0.0925	-91	888	896 ADILKGNKYK					Mascot		
	1038.5942	1038.5004	-0.0938	-90	684	693 TGGIHEALLK					Mascot		
	1287.6691	1287.6373	-0.0318	-25	1226	1238 AEAGVLGEFPAAR					Mascot		
	1642.9315	1642.8906	-0.0409	-25	1142	1156 FLGNDLPPVFIIAR	98	100			Mascot		
	1642.9315	1642.8906	-0.0409	-25	1142	1156 FLGNDLPPVFIIAR					Mascot		
	1645.8175	1645.8535	0.036	22	58	71 VLLSAMENTYLMK			Oxidation (M)[6,13]		Mascot		
	1826.9799	1826.9316	-0.0483	-26	1164	1179 LLGYQLAAYFDKPTAR					Mascot		
	1826.9799	1826.9316	-0.0483	-26	1164	1179 LLGYQLAAYFDKPTAR	121	100			Mascot		
	2607.4028	2607.1541	-0.2487	-95	897	920 VETLPVELPEHIASASFET LAVVR					Mascot		
17	hypothetical protein LOC678536 [Danio rerio]				gi 160420306		148750.2	8.89	8	229	100	220	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	960.4785	960.4528	-0.0257	-27	1256	1262 LEVEWER					Mascot
	1021.5676	1021.4751	-0.0925	-91	888	896 ADILKGNKYK					Mascot
	1038.5942	1038.5004	-0.0938	-90	684	693 TGGIHEALLK					Mascot
	1045.5465	1045.5343	-0.0122	-12	1346	1353 DFLSWIHK					Mascot
	1412.7494	1412.6802	-0.0692	-49	969	980 TLCYAVPYIEIK					Mascot
	1642.9315	1642.8906	-0.0409	-25	1159	1173 FLGNDIPPVFIIAR	98	100			Mascot
	1642.9315	1642.8906	-0.0409	-25	1159	1173 FLGNDIPPVFIIAR					Mascot
	1826.9799	1826.9316	-0.0483	-26	1181	1196 LLGYQLAAYFDKPTAR					Mascot
	1826.9799	1826.9316	-0.0483	-26	1181	1196 LLGYQLAAYFDKPTAR	121	100			Mascot
	2233.2009	2233.0215	-0.1794	-80	593	614 SLTRITAPDMAYVAGAAN					Mascot

18 Vtg5 protein [Danio rerio] VAIK gi|148744685 27543.3 9.2 3 228 100 220 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4528	-0.0257	-27	144	150	LEVEWER					Mascot
1642.9315	1642.8906	-0.0409	-25	47	61	FLGNDIPPVFALLAR	98	100			Mascot
1642.9315	1642.8906	-0.0409	-25	47	61	FLGNDIPPVFALLAR					Mascot
1826.9799	1826.9316	-0.0483	-26	69	84	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9316	-0.0483	-26	69	84	LLGYQLAAYFDKPTAR	121	100			Mascot

19 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733731 149169.2 8.84 7 228 100 220 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4528	-0.0257	-27	1260	1266	LEVEWER					Mascot
1021.5676	1021.4751	-0.0925	-91	892	900	ADILKGNKYK					Mascot
1412.7494	1412.6802	-0.0692	-49	973	984	TLCYAVPYIEIK					Mascot
1642.9315	1642.8906	-0.0409	-25	1163	1177	FLGNDIPPVFALLAR	98	100			Mascot
1642.9315	1642.8906	-0.0409	-25	1163	1177	FLGNDIPPVFALLAR					Mascot
1681.7736	1681.9386	0.165	98	1071	1086	NTPVSSSESSSSSRNSR					Mascot
1826.9799	1826.9316	-0.0483	-26	1185	1200	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9316	-0.0483	-26	1185	1200	LLGYQLAAYFDKPTAR	121	100			Mascot
2800.4485	2800.3999	-0.0486	-17	450	475	HCTAVPTCPAELLRIPIHEI ATEAISK					Mascot

20 vitellogenin 6 [Danio rerio] gi|303227889 150936.1 8.84 7 228 100 220 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4528	-0.0257	-27	1276	1282	LEVEWER					Mascot
1021.5676	1021.4751	-0.0925	-91	899	907	ADILKGNKYK					Mascot
1412.7494	1412.6802	-0.0692	-49	980	991	TLCYAVPYIEIK					Mascot
1642.9315	1642.8906	-0.0409	-25	1179	1193	FLGNDIPPVFALLAR	98	100			Mascot
1642.9315	1642.8906	-0.0409	-25	1179	1193	FLGNDIPPVFALLAR					Mascot
1826.9799	1826.9316	-0.0483	-26	1201	1216	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9316	-0.0483	-26	1201	1216	LLGYQLAAYFDKPTAR	121	100			Mascot
1958.0189	1957.9667	-0.0522	-27	1312	1329	ATNSEKEIELTAALPSQR					Mascot

	2233.2009	2233.0215	-0.1794	-80	604	625	SLTRITAPDMAYVAGAAN VAIK									Mascot
21	vitellogenin 7 [Danio rerio]				gi 156713467		148739.2	8.76	9	228	100	220	100			
Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
	960.4785	960.4528	-0.0257	-27	1254	1260	LEVEWER							Mascot		
	1021.5676	1021.4751	-0.0925	-91	888	896	ADILKGNYK							Mascot		
	1038.5942	1038.5004	-0.0938	-90	684	693	TGGIHEALLK							Mascot		
	1287.6691	1287.6373	-0.0318	-25	1241	1253	AEAGVLGEFPAAR							Mascot		
	1347.7882	1347.656	-0.1322	-98	1111	1122	LSKTATIIEPFK							Mascot		
	1642.9315	1642.8906	-0.0409	-25	1157	1171	FLGNDLPPVFIIAR	98	100					Mascot		
	1642.9315	1642.8906	-0.0409	-25	1157	1171	FLGNDLPPVFIIAR							Mascot		
	1645.8175	1645.8535	0.036	22	58	71	VLLSAMENTYLMK				Oxidation (M)[6,13]			Mascot		
	1826.9799	1826.9316	-0.0483	-26	1179	1194	LLGYQLAAYFDKPTAR							Mascot		
	1826.9799	1826.9316	-0.0483	-26	1179	1194	LLGYQLAAYFDKPTAR	121	100					Mascot		
	2607.4028	2607.1541	-0.2487	-95	897	920	VETLPVELPEHIASAFET LAVVR							Mascot		
22	Zgc:136383 protein [Danio rerio]				gi 159155252		123957.1	8.78	8	227	100	220	100			
Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
	960.4785	960.4528	-0.0257	-27	1033	1039	LEVEWER							Mascot		
	1021.5676	1021.4751	-0.0925	-91	665	673	ADILKGNYK							Mascot		
	1038.5942	1038.5004	-0.0938	-90	461	470	TGGIHEALLK							Mascot		
	1045.5465	1045.5343	-0.0122	-12	1123	1130	DFLSWIHK							Mascot		
	1412.7494	1412.6802	-0.0692	-49	746	757	TLCYAVPYIEIK							Mascot		
	1642.9315	1642.8906	-0.0409	-25	936	950	FLGNDIPPVFIIAR	98	100					Mascot		
	1642.9315	1642.8906	-0.0409	-25	936	950	FLGNDIPPVFIIAR							Mascot		
	1826.9799	1826.9316	-0.0483	-26	958	973	LLGYQLAAYFDKPTAR							Mascot		
	1826.9799	1826.9316	-0.0483	-26	958	973	LLGYQLAAYFDKPTAR	121	100					Mascot		
	2233.2009	2233.0215	-0.1794	-80	370	391	SLTRITAPDMAYVAGAAN VAIK							Mascot		
23	Vtg6 protein [Danio rerio]				gi 157422885		27937.4	9.18	3	107	100	98	100			
Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		

	960.4785	960.4528	-0.0257	-27	149	155	LEVEWER										Mascot
	1642.9315	1642.8906	-0.0409	-25	52	66	FLGNDIPPVFIIAR	98	100								Mascot
	1642.9315	1642.8906	-0.0409	-25	52	66	FLGNDIPPVFIIAR										Mascot
	1958.0189	1957.9667	-0.0522	-27	185	202	ATNSEKEIELTAALPSQR										Mascot

24 novel protein similar to vertebrate actin filament associated protein 1-like 1 (AFAP1L1, zgc:114084) gi|220678265 84328.3 8.16 13 45 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.5145	850.5184	0.0039	5	383	389	IISFSKR					Mascot
960.4169	960.4528	0.0359	37	399	406	SSFDHDPR					Mascot
985.4785	985.5081	0.0296	30	420	426	EHWCRVR					Mascot
985.4785	985.5081	0.0296	30	420	426	EHWCRVR					Mascot
996.4819	996.5688	0.0869	87	133	140	MPEYITSR					Mascot
1122.6378	1122.4812	-0.1566	-139	389	398	RKPPLPGDSR					Mascot
1136.588	1136.5472	-0.0408	-36	407	416	CGYVGVLVNR			Carbamidomethyl (C)[1]		Mascot
1645.7738	1645.8535	0.0797	48	21	34	LLDHETLSCATEEK			Carbamidomethyl (C)[9]		Mascot
1806.8882	1806.9026	0.0144	8	520	535	TAARHSFLWATSTDSR					Mascot
2225.0979	2225.0686	-0.0293	-13	681	701	SLAGGEMEAPTESKPAH KTQR					Mascot
2231.2026	2231.0586	-0.144	-65	2	20	EINSKPMELLVTELNMLL K			Oxidation (M)[7]		Mascot
2337.0591	2336.9368	-0.1223	-52	64	84	NGTSFVESLFETFDCDLG DLK					Mascot
2337.0591	2336.9368	-0.1223	-52	64	84	NGTSFVESLFETFDCDLG DLK					Mascot
2363.1699	2363.1033	-0.0666	-28	44	63	QLQPSVTAKDYMVNTS VYR					Mascot
2607.1636	2607.1541	-0.0095	-4	699	720	TQRTEAQYMESFLPVNC ASEMR			Oxidation (M)[9]		Mascot

25 sclerostin domain containing 1b [Danio rerio] gi|130496373 23304.6 9.57 7 44 0 14 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
804.3635	804.2559	-0.1076	-134	121	126	DAQEWR					Mascot
850.4199	850.5184	0.0985	116	127	133	CVTDRTR					Mascot
960.4645	960.4528	-0.0117	-12	120	126	RDAQEWR					Mascot
1021.4731	1021.4751	0.002	2	139	147	LQCQDGTTTR					Mascot
1239.6184	1239.6039	-0.0145	-12	151	161	ITAVTSCTCKR	14	0	Carbamidomethyl (C)[9]		Mascot

	1239.6184	1239.6039	-0.0145	-12	151	161	ITAVTSCTCKR				Carbamidomethyl (C)[7]	Mascot	
	1475.7233	1475.7167	-0.0066	-4	148	160	TYKITAVTSCTCK				Carbamidomethyl (C)[10]	Mascot	
	2320.1611	2319.9097	-0.2514	-108	1	19	MPLNTCEYQLLFLLCFLM K					Mascot	
	2336.1562	2335.9521	-0.2041	-87	1	19	MPLNTCEYQLLFLLCFLM K				Oxidation (M)[1]	Mascot	
26	novel protein similar to vertebrate sclerostin domain containing 1 (SOSTDC1) [Danio rerio]					gi 94732908	23389.6	9.59	7	43	0	14	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
804.3635	804.2559	-0.1076	-134	121	126	DAQEWR					Mascot
850.4199	850.5184	0.0985	116	127	133	CVTDRT					Mascot
960.4645	960.4528	-0.0117	-12	120	126	RDAQEWR					Mascot
1021.4731	1021.4751	0.002	2	139	147	LQCQDGTR					Mascot
1239.6184	1239.6039	-0.0145	-12	151	161	ITAVTSCTCKR	14	0	Carbamidomethyl (C)[9]		Mascot
1239.6184	1239.6039	-0.0145	-12	151	161	ITAVTSCTCKR			Carbamidomethyl (C)[7]		Mascot
1475.7233	1475.7167	-0.0066	-4	148	160	TYKITAVTSCTCK			Carbamidomethyl (C)[10]		Mascot
2320.1611	2319.9097	-0.2514	-108	1	19	MPLNTCEYQLLFLLCFLM K					Mascot
2336.1562	2335.9521	-0.2041	-87	1	19	MPLNTCEYQLLFLLCFLM K			Oxidation (M)[1]		Mascot

27	Stat3 protein [Danio rerio]					gi 28277427	48222.8	7.15	10	41	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1135.647	1135.5586	-0.0884	-78	384	393	KFNILGTNTK					Mascot
1136.5438	1136.5472	0.0034	3	154	162	VQDMEQKMK					Mascot
1364.7419	1364.6613	-0.0806	-59	285	295	LEELQKQVSYK					Mascot
1475.7522	1475.7167	-0.0355	-24	367	380	VCIDKESGDVAAIR					Mascot
1645.8115	1645.8535	0.042	26	1	13	MAQWNQLQQLETR					Mascot
1661.8064	1661.791	-0.0154	-9	1	13	MAQWNQLQQLETR			Oxidation (M)[1]		Mascot
1697.8462	1697.8773	0.0311	18	248	263	QQIACIGGPPNICLDR					Mascot
2320.0955	2319.9097	-0.1858	-80	14	31	YLEQLYHLYSDSPMELR			Oxidation (M)[15]		Mascot
2363.1006	2363.1033	0.0027	1	394	414	VMNMEESNNGSLSAEFK HLPL			Oxidation (M)[2]		Mascot
2607.3357	2607.1541	-0.1816	-70	320	341	SAFVVERQPCMPMHPDR PLVIK			Carbamidomethyl (C)[10]		Mascot
2891.355	2891.4106	0.0556	19	385	410	FNILGTNTKVMNMEESNN GSLSAEFK			Oxidation (M)[11]		Mascot
2891.355	2891.4106	0.0556	19	385	410	FNILGTNTKVMNMEESNN GSLSAEFK			Oxidation (M)[11]		Mascot

28 serine/threonine-protein kinase 10 [Danio rerio] gi|41054729 113615.3 5.94 15 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4781	850.5184	0.0403	47	51	57	VYKAQNK					Mascot
1122.579	1122.4812	-0.0978	-87	676	684	VEQEKAYQK					Mascot
1287.6401	1287.6373	-0.0028	-2	681	690	AYQKFLDQMK			Oxidation (M)[9]		Mascot
1347.6433	1347.656	0.0127	9	489	500	DPNGRMSVVSNR			Oxidation (M)[6]		Mascot
1412.6951	1412.6802	-0.0149	-11	920	930	CHLLIENETQR			Carbamidomethyl (C)[1]		Mascot
1460.6951	1460.6465	-0.0486	-33	812	822	EQEQLHYNLR					Mascot
1516.7489	1516.6652	-0.0837	-55	381	393	TPLKEQEDNLSDK					Mascot
1642.8217	1642.8906	0.0689	42	751	763	HEISETERQCLK			Carbamidomethyl (C)[10]		Mascot
1642.8217	1642.8906	0.0689	42	751	763	HEISETERQCLK			Carbamidomethyl (C)[10]		Mascot
2231.228	2231.0586	-0.1694	-76	161	182	AGNILLTLDGDIKLADFGV SAK					Mascot
2320.0913	2319.9097	-0.1816	-78	501	522	SSFAGDDAESLVSHNTG RLSNR					Mascot
2380.0867	2380.0215	-0.0652	-27	900	919	EMLSQCDGNTRELQQLQ NEK			Oxidation (M)[2]		Mascot
2446.1289	2446.0217	-0.1072	-44	523	545	YSDVASDSMDISLNLSGD LSV NK			Oxidation (M)[9]		Mascot
2492.1006	2492.1611	0.0605	24	191	211	DSFIGTPYWMAPEVVMC ETMK			Carbamidomethyl (C)[17]		Mascot
2492.1006	2492.1611	0.0605	24	191	211	DSFIGTPYWMAPEVVMC ETMK			Carbamidomethyl (C)[17]		Mascot
2508.0955	2508.1553	0.0598	24	191	211	DSFIGTPYWMAPEVVMC ETMK			Carbamidomethyl (C)[17], Oxidation (M)[10]		Mascot
2524.0903	2524.1501	0.0598	24	191	211	DSFIGTPYWMAPEVVMC ETMK			Carbamidomethyl (C)[17], Oxidation (M)[10,16]		Mascot
2530.2156	2530.127	-0.0886	-35	422	444	STPTSEEDTKTVEASEPE LPVQR					Mascot
2607.175	2607.1541	-0.0209	-8	190	211	RDSFIGTPYWMAPEVVM CETMK			Oxidation (M)[11]		Mascot

29 PREDICTED: diacylglycerol kinase beta-like, partial [Danio rerio] gi|326674321 85995.9 6.78 13 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4229	842.4872	0.0643	76	153	158	LEFMFR					Mascot
960.5083	960.4528	-0.0555	-58	583	589	FHIMREK					Mascot
1045.4264	1045.5343	0.1079	103	270	278	QGLCCSFCK			Carbamidomethyl (C)[4]		Mascot
1122.546	1122.4812	-0.0648	-58	97	106	SSPSMTEKQK					Mascot
1205.5619	1205.6876	0.1257	104	463	471	SCRTVEYYK			Carbamidomethyl (C)[2]		Mascot

	1661.7192	1661.791	0.0718	43	349	363	CASHVKPEDCGSLR		Carbamidomethyl (C)[1]	Mascot	
	2283.2488	2283.1265	-0.1223	-54	115	135	GSCPPLKVTSQSRPLSTV QLK		Carbamidomethyl (C)[3]	Mascot	
	2284.0591	2284.1243	0.0652	29	153	171	LEFMFRLYDTDGNGFLD SK		Oxidation (M)[4]	Mascot	
	2336.1711	2335.9521	-0.219	-94	250	269	HFSKPAYCNLCNMLIGL GK		Carbamidomethyl (C)[8,11]	Mascot	
	2427.0334	2426.9978	-0.0356	-15	737	757	SLPMQIDGEPWMQSPCT VSMT		Carbamidomethyl (C)[16], Oxidation (M)[4,12]	Mascot	
	2448.053	2448.1157	0.0627	26	303	322	NTEIMHHFWVEGNCPSK CDK		Carbamidomethyl (C)[14], Oxidation (M)[5]	Mascot	
	2463.3074	2463.198	-0.1094	-44	248	269	LKHFSKPAYCNLCNMLI GLGK			Mascot	
	2463.3074	2463.198	-0.1094	-44	248	269	LKHFSKPAYCNLCNMLI GLGK			Mascot	
	2891.3821	2891.4106	0.0285	10	45	67	YNPEEKPEILNQVIYHCH FEGFK		Carbamidomethyl (C)[17]	Mascot	
	2891.3821	2891.4106	0.0285	10	45	67	YNPEEKPEILNQVIYHCH FEGFK		Carbamidomethyl (C)[17]	Mascot	
30	PREDICTED: actin filament-associated protein 1-like 1-like [Danio rerio]					gi 326673811	84171.2	8.16	12	38	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.5145	850.5184	0.0039	5	383	389	IISFSKR					Mascot
960.4169	960.4528	0.0359	37	399	406	SSFHDHPR					Mascot
985.4785	985.5081	0.0296	30	420	426	EHWCVR					Mascot
985.4785	985.5081	0.0296	30	420	426	EHWCVR					Mascot
996.4819	996.5688	0.0869	87	133	140	MPEYITSR					Mascot
1122.6378	1122.4812	-0.1566	-139	389	398	RKPPLPGDSR					Mascot
1136.588	1136.5472	-0.0408	-36	407	416	CGYVGVVLR			Carbamidomethyl (C)[1]		Mascot
1645.7738	1645.8535	0.0797	48	21	34	LLDHETLSCATEEK			Carbamidomethyl (C)[9]		Mascot
1806.8882	1806.9026	0.0144	8	520	535	TAARHSFLWATSTDSR					Mascot
2231.2026	2231.0586	-0.144	-65	2	20	EINSKPMELLVTELNMLL K			Oxidation (M)[7]		Mascot
2337.0591	2336.9368	-0.1223	-52	64	84	NGTSFVESLFETFDCLG DLK					Mascot
2337.0591	2336.9368	-0.1223	-52	64	84	NGTSFVESLFETFDCLG DLK					Mascot
2363.1699	2363.1033	-0.0666	-28	44	63	QLQPSVTAKDYMVNTS VYR					Mascot
2607.1636	2607.1541	-0.0095	-4	698	719	TQRTEAQYMESFLPVNC ASEMR			Oxidation (M)[9]		Mascot

31 serine beta-lactamase-like protein LACTB, mitochondrial [Danio rerio]

gi|66472564 60331.9 9.05 10 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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[illegible]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
985.5577	985.5081	-0.0496	-50	208	215 KVEGFIHR	28	60.761			Mascot
985.5577	985.5081	-0.0496	-50	208	215 KVEGFIHR					Mascot
1135.4935	1135.5586	0.0651	57	261	271 DPVKGMSAADE			Oxidation (M)[6]		Mascot
2508.3232	2508.1553	-0.1679	-67	8	30 ILPVSVVEEYQVGQLYSV AFASK					Mascot

33 PREDICTED: putative ferric-chelate reductase 1-like,
partial [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.5508	850.5184	-0.0324	-38	495	501	LVLQLHK					Mascot
985.5366	985.5081	-0.0285	-29	375	381	IWFQVHR	10	0			Mascot
985.5366	985.5081	-0.0285	-29	375	381	IWFQVHR					Mascot
1205.5797	1205.6876	0.1079	90	274	283	SIYTPQDPER					Mascot
1412.8849	1412.6802	-0.2047	-145	495	506	LVLQLHKHGVIR					Mascot
1642.8435	1642.8906	0.0471	29	234	248	VSVEAAYTTGRTPK					Mascot
1642.8435	1642.8906	0.0471	29	234	248	VSVEAAYTTGRTPK					Mascot

	2380.1528	2380.0215	-0.1313	-55	2	23	PEHHSQPNTTASPYTLTV NASK							Mascot
	2446.3301	2446.0217	-0.3084	-126	49	71	DATNLDGLAIGSFTLVNL KISQR							Mascot
	2800.5547	2800.3999	-0.1548	-55	99	123	APSNSPLAVQFLATVLAH YKVFWLK							Mascot
34	PREDICTED: putative ferric-chelate reductase 1-like [Danio rerio]					gi 326664822	56054.6	9.08	8	38	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.5508	850.5184	-0.0324	-38	495	501	LVLQLHK					Mascot
985.5366	985.5081	-0.0285	-29	375	381	IWFQVHR	10	0			Mascot
985.5366	985.5081	-0.0285	-29	375	381	IWFQVHR					Mascot
1205.5797	1205.6876	0.1079	90	274	283	SIYTPQDPER					Mascot
1412.8849	1412.6802	-0.2047	-145	495	506	LVLQLHKHGVIR					Mascot
1642.8435	1642.8906	0.0471	29	234	248	VSVEAAYTTGRITYPK					Mascot
1642.8435	1642.8906	0.0471	29	234	248	VSVEAAYTTGRITYPK					Mascot
2380.1528	2380.0215	-0.1313	-55	2	23	PEHHSQPNTTASPYTLTV NASK					Mascot
2446.3301	2446.0217	-0.3084	-126	49	71	DATNLDGLAIGSFTLVNL KISQR					Mascot
2800.5547	2800.3999	-0.1548	-55	99	123	APSNSPLAVQFLATVLAH YKVFWLK					Mascot

35 hypothetical protein LOC100192222 [Danio rerio] gi|210147391 132770.8 9.72 15 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4199	850.5184	0.0985	116	1014	1021	SKAGATCR			Carbamidomethyl (C)[7]		Mascot
882.4679	882.5428	0.0749	85	642	649	EGPDIPVR					Mascot
1038.5691	1038.5004	-0.0687	-66	641	649	REGPDIPVR					Mascot
1136.5881	1136.5472	-0.0409	-36	549	558	LTEACPLHPR					Mascot
1364.6641	1364.6613	-0.0028	-2	380	389	AYHNCQIRFR			Carbamidomethyl (C)[5]		Mascot
1420.6759	1420.6182	-0.0577	-41	729	739	KCHSFMVRPCR			Carbamidomethyl (C)[2]		Mascot
1420.7478	1420.6182	-0.1296	-91	549	560	LTEACPLHPRQR					Mascot
1438.7294	1438.6646	-0.0648	-45	615	626	MNVDPHVMNLIR					Mascot
1438.7294	1438.6646	-0.0648	-45	615	626	MNVDPHVMNLIR					Mascot
1790.9143	1790.8479	-0.0664	-37	249	266	ADAGEGPSGEGIPPKRP R					Mascot
1994.0706	1993.931	-0.1396	-70	773	790	VNPWAGIEKPDLTVALDR					Mascot
2320.0342	2319.9097	-0.1245	-54	161	182	FSCESCCKTSPGCHSVL CHIPK					Mascot

	2363.1594	2363.1033	-0.0561	-24	561	580	GFRQSPGCSENLELLQC VLR						Carbamidomethyl (C)[8,17]	Mascot
	2448.2881	2448.1157	-0.1724	-70	273	296	EPSEPPANPPILSPQPNL PAGGLR							Mascot
	2492.2239	2492.1611	-0.0628	-25	817	839	LFYLADHGGAGDVMLQN LDGTIR						Oxidation (M)[14]	Mascot
	2492.2239	2492.1611	-0.0628	-25	817	839	LFYLADHGGAGDVMLQN LDGTIR						Oxidation (M)[14]	Mascot
	2800.3843	2800.3999	0.0156	6	845	870	WLHLPPSTCNGLLYARN CNGGLGICK							Mascot
36	odorant receptor [Danio rerio]				gi 83752490		35532.9	9.16	2	37	0	31	80.06	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
985.5577	985.5081	-0.0496	-50	302	309	LSNVFLHR	31	80.06				Mascot
985.5577	985.5081	-0.0496	-50	302	309	LSNVFLHR						Mascot
1438.6494	1438.6646	0.0152	11	175	185	YVFCEYASMIR				Carbamidomethyl (C)[4]		Mascot
1438.6494	1438.6646	0.0152	11	175	185	YVFCEYASMIR				Carbamidomethyl (C)[4]		Mascot

37	retinol-binding protein 2 [Danio rerio]				gi 23308503		15796	6.09	6	36	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1021.5312	1021.4751	-0.0561	-55	23	31	ALDIDFATR						Mascot
1045.5612	1045.5343	-0.0269	-26	126	133	VCHQVFKK				Carbamidomethyl (C)[2]		Mascot
1347.6725	1347.656	-0.0165	-12	89	99	WDGDKLVCVQK				Carbamidomethyl (C)[8]		Mascot
2448.2129	2448.1157	-0.0972	-40	106	125	GWKQWIEGDLLHLEIHC QDK						Mascot
2492.0381	2492.1611	0.123	49	2	22	PADFNGTWEMLSNDNFE DVMK				Oxidation (M)[10,20]		Mascot
2492.0381	2492.1611	0.123	49	2	22	PADFNGTWEMLSNDNFE DVMK				Oxidation (M)[10,20]		Mascot
2607.0837	2607.1541	0.0704	27	1	22	MPADFNGTWEMLSDNF EDVMK				Oxidation (M)[1]		Mascot

38	Stat3 protein [Danio rerio]				gi 46249947		89982.4	5.95	12	36	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1135.647	1135.5586	-0.0884	-78	384	393	KFNILGTNTK						Mascot
1136.5438	1136.5472	0.0034	3	154	162	VQDMEQKMK						Mascot
1364.7419	1364.6613	-0.0806	-59	285	295	LEELQQKVSYSK						Mascot
1475.7522	1475.7167	-0.0355	-24	367	380	VCIDKESGDVAAIR						Mascot

	1645.8115	1645.8535	0.042	26	1	13	MAQWNQLQQLETR						Mascot
	1661.8064	1661.791	-0.0154	-9	1	13	MAQWNQLQQLETR	Oxidation (M)[1]					Mascot
	1697.8462	1697.8773	0.0311	18	248	263	QQIACIGGPPNICLDR						Mascot
	1790.7319	1790.8479	0.116	65	770	786	EGFAASTVSDMDTCRNA	Oxidation (M)[11]					Mascot
	2231.0811	2231.0586	-0.0225	-10	533	552	LLGPCVNYSGCQITWAK FCK						Mascot
	2284.0737	2284.1243	0.0506	22	713	733	FICVTPTNSGNTSDLFPM SPR						Mascot
	2320.0955	2319.9097	-0.1858	-80	14	31	YLEQLYHLYSDSFPMELR	Oxidation (M)[15]					Mascot
	2607.3357	2607.1541	-0.1816	-70	320	341	SAFVVERQPCMPMHPDR PLVIK	Carbamidomethyl (C)[10]					Mascot
	2891.355	2891.4106	0.0556	19	385	410	FNILGTNTKVMNMEESNN GSLSAEFK	Oxidation (M)[11]					Mascot
	2891.355	2891.4106	0.0556	19	385	410	FNILGTNTKVMNMEESNN GSLSAEFK	Oxidation (M)[11]					Mascot
39	zinc finger protein 347-like [Danio rerio]					gi 160333512	32838.9	7.6	9	36	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4791	882.5428	0.0637	72	91	97	DLKDHVR					Mascot
1136.5551	1136.5472	-0.0079	-7	187	196	LLTCDQCGKR					Mascot
1661.813	1661.791	-0.022	-13	35	48	HEDPEQQTDLKPPK					Mascot
1697.7998	1697.8773	0.0775	46	238	252	VHVAGSPYVCVHCGR			Carbamidomethyl (C)[10,13]		Mascot
2319.9426	2319.9097	-0.0329	-14	68	89	AANADTTSHFSCQECGM GFSQK					Mascot
2335.9377	2335.9521	0.0144	6	68	89	AANADTTSHFSCQECGM GFSQK			Oxidation (M)[17]		Mascot
2363.0232	2363.1033	0.0801	34	49	67	VEDEEDEFDFMTIVESK R			Oxidation (M)[12]		Mascot
2463.198	2463.198	0	0	118	139	DLQNHRTQHSIQPSICG QCGK					Mascot
2463.198	2463.198	0	0	118	139	DLQNHRTQHSIQPSICG QCGK					Mascot
2492.0388	2492.1611	0.1223	49	68	90	AANADTTSHFSCQECGM GFSQKR			Oxidation (M)[17]		Mascot
2492.0388	2492.1611	0.1223	49	67	89	RAANADTTSHFSCQECG MGFSQK			Oxidation (M)[18]		Mascot

40 PREDICTED: hypothetical protein LOC100535533 [Danio rerio] gi|326671744 3229.6 9.19 4 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.4641	996.5688	0.1047	105	4	12	AGPVFSCMK			Carbamidomethyl (C)[7]		Mascot
1287.5894	1287.6373	0.0479	37	1	12	MGKAGPVFSCMK			Oxidation (M)[1,11]		Mascot
1364.674	1364.6613	-0.0127	-9	13	24	HNGHAISMEIQK					Mascot

1993.9912 1993.931 -0.0602 -30 13 30 HNGHAISMEIQKTGLWTA

Mascot

41 PREDICTED: GTPase IMAP family member 8-like
[Danio rerio] gi|326665580 97738.9 5.64 10 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1021.5524	1021.4751	-0.0773	-76	474	483	SALTSQSVTK					Mascot
1122.6041	1122.4812	-0.1229	-109	421	429	YKAEIEELK					Mascot
1239.7129	1239.6039	-0.109	-88	340	349	HIIVLIMQEK	9	0	Oxidation (M)[7]		Mascot
1239.7129	1239.6039	-0.109	-88	340	349	HIIVLIMQEK			Oxidation (M)[7]		Mascot
1438.6556	1438.6646	0.009	6	771	781	ETREQAEQEYR					Mascot
1438.6556	1438.6646	0.009	6	771	781	ETREQAEQEYR					Mascot
1516.79	1516.6652	-0.1248	-82	227	240	KQNLNLVLCGSDGR					Mascot
2337.1643	2336.9368	-0.2275	-97	738	756	TEMALEEQQQLIKYLEE K					Mascot
2337.1643	2336.9368	-0.2275	-97	738	756	TEMALEEQQQLIKYLEE K					Mascot
2427.1472	2426.9978	-0.1494	-62	401	420	GSFYTSFMLFQAQIEMER NK					Mascot
2492.2666	2492.1611	-0.1055	-42	601	621	YHVFSNNEVKDLTQVSEL LEK					Mascot
2492.2666	2492.1611	-0.1055	-42	601	621	YHVFSNNEVKDLTQVSEL LEK					Mascot
2514.1816	2514.1497	-0.0319	-13	140	160	HLQMDLDAEEWPSSILQ QTEK			Oxidation (M)[4]		Mascot
2921.446	2921.4275	-0.0185	-6	376	400	QFVLGNSSQIPDLLQYVE NMVQENR					Mascot

42 LIM and calponin homology domains-containing protein
1 [Danio rerio] gi|168229244 114711.6 6.19 14 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.473	842.4872	0.0142	17	515	522	QQSLPAAK					Mascot
1021.5458	1021.4751	-0.0707	-69	568	577	AATAGMRTVK			Oxidation (M)[6]		Mascot
1045.6	1045.5343	-0.0657	-63	390	398	RSVSQDLIK					Mascot
1287.6692	1287.6373	-0.0319	-25	759	768	LKQEWQAQK					Mascot
1347.7783	1347.656	-0.1223	-91	140	150	NVLITIYWLGR					Mascot
1404.6423	1404.6228	-0.0195	-14	539	552	GIVGDAECVSDPSR					Mascot
1412.7419	1412.6802	-0.0617	-44	664	676	TVPQVGDVPEFPK					Mascot
1420.7655	1420.6182	-0.1473	-104	446	458	ARTPEEAAVLHR	2	0			Mascot
1420.7655	1420.6182	-0.1473	-104	446	458	ARTPEEAAVLHR					Mascot

	1516.601	1516.6652	0.0642	42	191	202	DSGYIDCWESER				Carbamidomethyl (C)[7]	Mascot	
	1790.8536	1790.8479	-0.0057	-3	999	1012	NGLLNCHQCYIRSR				Carbamidomethyl (C)[6,9]	Mascot	
	2211.0381	2211.0527	0.0146	7	847	867	TESLQMTVSSPLQSCGS VGQR				Oxidation (M)[6]	Mascot	
	2231.0674	2231.0586	-0.0088	-4	677	695	VLEINPDETVTDQEKTD E					Mascot	
	2380.1594	2380.0215	-0.1379	-58	846	867	KTESLQMTVSSPLQSCG SVGQR				Carbamidomethyl (C)[16]	Mascot	
	2913.3496	2913.3945	0.0449	15	915	942	SDSIENIGPNPSTSPSFT DTQAPPSPNR					Mascot	
43	phospholipase D1 [Danio rerio]				gi 231567352		117790.5	9.22	9	33	0	23	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
985.4672	985.5081	0.0409	42	114	120	HFMEIHR	23	0	Oxidation (M)[3]		Mascot
985.4672	985.5081	0.0409	42	114	120	HFMEIHR			Oxidation (M)[3]		Mascot
1135.5226	1135.5586	0.036	32	2	11	SDSVENLDTR					Mascot
1347.7566	1347.656	-0.1006	-75	431	441	KTLMHLHPNIK			Oxidation (M)[4]		Mascot
1404.7402	1404.6228	-0.1174	-84	525	537	SMVGDSVDLPKLK			Oxidation (M)[2]		Mascot
1681.814	1681.9386	0.1246	74	556	571	GLHHADSISSIDSTNK					Mascot
1790.9119	1790.8479	-0.064	-36	624	639	MPWHDISSVVHGKAAR					Mascot
1806.9067	1806.9026	-0.0041	-2	624	639	MPWHDISSVVHGKAAR			Oxidation (M)[1]		Mascot
2210.9351	2211.0527	0.1176	53	230	247	IPGMNCCGHNEVCYRWS K			Carbamidomethyl (C)[6,7]		Mascot
2283.9514	2284.1243	0.1729	76	230	247	IPGMNCCGHNEVCYRWS K			Carbamidomethyl (C)[6,7,13], Oxidation (M)[4]		Mascot
2319.9585	2319.9097	-0.0488	-21	225	244	SGGHRIPGMNCCGHNEV CYR			Carbamidomethyl (C)[11,12], Oxidation (M)[9]		Mascot
2446.2937	2446.0217	-0.272	-111	410	430	IFVMLYKEVELALGINSEY SK					Mascot

44 actin filament-associated protein 1-like 1 [Danio rerio] gi|71834566 84113.2 8.28 11 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.5145	850.5184	0.0039	5	383	389	IISFSKR					Mascot
960.4169	960.4528	0.0359	37	399	406	SSFHDHPR					Mascot
985.4785	985.5081	0.0296	30	420	426	EHWCVR					Mascot
985.4785	985.5081	0.0296	30	420	426	EHWCVR					Mascot
996.4819	996.5688	0.0869	87	133	140	MPEYITSR					Mascot
1122.6378	1122.4812	-0.1566	-139	389	398	RKPPLPGDSR					Mascot
1136.588	1136.5472	-0.0408	-36	407	416	CGYVGVLVNR			Carbamidomethyl (C)[1]		Mascot

	1645.7738	1645.8535	0.0797	48	21	34	LLDHETLSCATEEK		Carbamidomethyl (C)[9]		Mascot
	2231.2026	2231.0586	-0.144	-65	2	20	EINSKPMELLVTELNMLL K		Oxidation (M)[7]		Mascot
	2337.0591	2336.9368	-0.1223	-52	64	84	NGTSFVESLFETFDCDLG DLK				Mascot
	2337.0591	2336.9368	-0.1223	-52	64	84	NGTSFVESLFETFDCDLG DLK				Mascot
	2363.1699	2363.1033	-0.0666	-28	44	63	QLQPSVTAKDYMVNTS VYR				Mascot
	2607.1636	2607.1541	-0.0095	-4	698	719	TQRTEAQYMESFLPVNC ASEMR		Oxidation (M)[9]		Mascot
45	heparan sulfate 3-O-sulfotransferase 5 [Danio rerio]					gi 111609800	34931.4	8.73	7	33	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.5301	960.4528	-0.0773	-80	199	205	WLELFPR					Mascot
1045.5499	1045.5343	-0.0156	-15	129	137	IWAMNPAVK			Oxidation (M)[4]		Mascot
1697.7917	1697.8773	0.0856	50	81	93	TEIHYFNLDENFR					Mascot
2284.1138	2284.1243	0.0105	5	261	280	CLDESKGRPHAPLSNEA FQK			Carbamidomethyl (C)[1]		Mascot
2446.3088	2446.0217	-0.2871	-117	206	226	EQIHIVDGEALIRNPPEL QK					Mascot
2448.259	2448.1157	-0.1433	-59	95	115	GLDWYRSQMPITLPGQL TVEK			Oxidation (M)[9]		Mascot
2913.5178	2913.3945	-0.1233	-42	101	127	SQMPITLPGQLTVEKTPG YFTAPPAPR			Oxidation (M)[3]		Mascot

46	LOC572492 protein [Danio rerio]					gi 161611818	118741.6	8.75	1	23	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
985.4672	985.5081	0.0409	42	125	131	HFMELEHR	23	0	Oxidation (M)[3]	4	Mascot

47	novel protein similar to vertebrate PR domain containing gi 56207863 4 (PRDM4) [Danio rerio]						85449.4	6.05	1	22	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
985.5182	985.5081	-0.0101	-10	530	536	RMCLLEHR	22	0	Carbamidomethyl (C)[3]	5	Mascot

48	PREDICTED: serine/threonine-protein kinase LMTK1-like [Danio rerio]					gi 326672547	178589.8	4.52	1	21	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	1239.5123	1239.6039	0.0916	74	401	411	GASEAEEDFER	21	0			2	Mascot
49	novel protein similar to DNA polymerases [Danio rerio] gi 27802860 160459.8 6.39 1 20 0												
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification		Rank	Result Type
	985.5213	985.5081	-0.0132	-13	202	209	FNGLEIHR	20	0			6	Mascot

50	mitochondrial inner membrane protein COX18 [Danio rerio]												gi 167555045	36385.1	9.64	1	20	0
Peptide Information																		
Calc. Mass		Obsrv. Mass		± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type					
985.5464		985.5081		-0.0383	-39	310	318	DIAAAFIHK	20	0		7	Mascot					

Gel Idx/Pos	240/J16	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	peroxiredoxin-4 [Danio rerio]	gi 148226847	29083.8	6.3	13	675	100	574	100

Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification		Rank	Result Type
	819.4207	819.406	-0.0147	-18	213	219	SVDETLR						Mascot
	862.5032	862.4878	-0.0154	-18	190	197	GLFIIDGK						Mascot
	1212.6259	1212.6027	-0.0232	-19	220	229	LVQAFQYTDK	59	99.97				Mascot
	1212.6259	1212.6027	-0.0232	-19	220	229	LVQAFQYTDK						Mascot
	1243.6464	1243.62	-0.0264	-21	202	212	QITMNDLPVGR	49	99.669				Mascot
	1243.6464	1243.62	-0.0264	-21	202	212	QITMNDLPVGR						Mascot
	1259.6412	1259.6196	-0.0216	-17	202	212	QITMNDLPVGR	32	83.66	Oxidation (M)[4]			Mascot
	1259.6412	1259.6196	-0.0216	-17	202	212	QITMNDLPVGR			Oxidation (M)[4]			Mascot
	1318.7114	1318.6866	-0.0248	-19	56	67	VPVSDHSLHLSK						Mascot
	1464.842	1464.8146	-0.0274	-19	163	175	IPLLSDLTHQISK	88	100				Mascot
	1464.842	1464.8146	-0.0274	-19	163	175	IPLLSDLTHQISK						Mascot
	1649.7917	1649.7625	-0.0292	-18	176	189	DYGVFLEDQGHTLR	135	100				Mascot
	1649.7917	1649.7625	-0.0292	-18	176	189	DYGVFLEDQGHTLR						Mascot

	2081.0813	2081.0435	-0.0378	-18	70	88	ISKPAPHWEGTAVINGEF K										Mascot
	2233.2373	2233.0476	-0.1897	-85	155	175	QGGLGPMKIPLSLDTHQ ISK										Mascot
	2246.9558	2246.9182	-0.0376	-17	37	55	EQECYNYAGGHVYPGEA FR	131	100	Carbamidomethyl (C)[4]							Mascot
	2246.9558	2246.9182	-0.0376	-17	37	55	EQECYNYAGGHVYPGEA FR			Carbamidomethyl (C)[4]							Mascot
	2389.1604	2389.1238	-0.0366	-15	230	252	HGEVCPAGWKPGSDTIIP DPAGK			Carbamidomethyl (C)[5]							Mascot
	2389.1604	2389.1238	-0.0366	-15	230	252	HGEVCPAGWKPGSDTIIP DPAGK	112	100	Carbamidomethyl (C)[5]							Mascot
	2403.0571	2403.0271	-0.03	-12	36	55	REQECYNYAGGHVYPGE AFR			Carbamidomethyl (C)[5]							Mascot
	3439.6851	3439.6465	-0.0386	-11	124	153	VHEFQAINAEVVCSDVS QFTHLAWINTPR			Carbamidomethyl (C)[14]							Mascot
2	sorting nexin family member 27 [Danio rerio]				gi 41054611		64121.8	5.8	14	55	87.166						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
808.3618	808.3995	0.0377	47	540	546	DNKNCSK					Mascot
842.5094	842.496	-0.0134	-16	121	127	QVVDLIR					Mascot
1212.6736	1212.6027	-0.0709	-58	204	213	EFAILHQNLIK					Mascot
1212.6736	1212.6027	-0.0709	-58	204	213	EFAILHQNLIK					Mascot
1226.6316	1226.5967	-0.0349	-28	214	223	REFANFAFPK					Mascot
1318.6613	1318.6866	0.0253	19	185	195	FVYNYVMAGR					Mascot
1524.7726	1524.7633	-0.0093	-6	243	255	GLEEYLEKVCSVR					Mascot
1969.7731	1970.0437	0.2706	137	482	497	WDTDEEGMAFCFEYAR					Mascot
2225.0283	2225.0808	0.0525	24	24	47	NGSGMSAGTCAGGLVAT TVTSGPR			Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot
2225.0283	2225.0808	0.0525	24	24	47	NGSGMSAGTCAGGLVAT TVTSGPR			Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot
2229.0757	2228.908	-0.1677	-75	177	195	HVEQSGEKFVYNYVMA GR			Oxidation (M)[16]		Mascot
2232.8743	2233.0476	0.1733	78	425	442	TCEGYNEITFPHCSCDSR			Carbamidomethyl (C)[2,13,15]		Mascot
2269.0989	2268.8979	-0.201	-89	1	23	MADVVEGDGTRSAAPSA IHSAAR					Mascot
2283.9321	2284.1343	0.2022	89	482	500	WDTDEEGMAFCFEYARG EK					Mascot
2299.927	2300.1372	0.2102	91	482	500	WDTDEEGMAFCFEYARG EK			Oxidation (M)[8]		Mascot
2388.9753	2389.1238	0.1485	62	425	443	TCEGYNEITFPHCSCDSR R			Carbamidomethyl (C)[2,13,15]		Mascot
2388.9753	2389.1238	0.1485	62	425	443	TCEGYNEITFPHCSCDSR R			Carbamidomethyl (C)[2,13,15]		Mascot
2403.3354	2403.0271	-0.3083	-128	106	127	ILEVNGVNVGATHKQVV DLIR					Mascot

3	PREDICTED: polyadenylate-binding protein 2-B-like [Danio rerio]				gi 292616346		19006.2	6.43	8	53	75.545						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
808.4246	808.3995	-0.0251	-31	146	151	GCRFIR			Carbamidomethyl (C)[2]		Mascot
862.4781	862.4878	0.0097	11	66	72	VTIPYNR					Mascot
996.4832	996.5796	0.0964	97	141	148	FNPFRGCR					Mascot
1547.5989	1547.7916	0.1927	125	1	12	MDESDMQYEVR			Oxidation (M)[1]		Mascot
1739.9075	1739.8994	-0.0081	-5	113	127	RTNIPGFSTTDVYLR					Mascot
1871.9075	1871.9116	0.0041	2	73	88	FTGHPKGFAYIEFSR					Mascot
2389.0442	2389.1238	0.0796	33	13	31	QFPYSPEALFFDMTHEER			Oxidation (M)[14]		Mascot
2389.0442	2389.1238	0.0796	33	13	31	QFPYSPEALFFDMTHEER			Oxidation (M)[14]		Mascot
3337.5	3337.7021	0.2021	61	37	65	RSIYVGNVDYGATADELEMYFNSCGHVNR			Carbamidomethyl (C)[24]		Mascot

4 cytoplasmic dynein 1 heavy chain 1 [Danio rerio] gi|112363126 532854.1 6.06 35 52 69.213

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
808.4788	808.3995	-0.0793	-98	451	457	LSPAHRK					Mascot
816.3926	816.4921	0.0995	122	1844	1849	FYFDPK					Mascot
819.4835	819.406	-0.0775	-95	2921	2926	IDRIFR					Mascot
850.4087	850.5283	0.1196	141	59	65	SALEQMR			Oxidation (M)[6]		Mascot
862.4338	862.4878	0.054	63	4636	4643	GVAILCTE			Carbamidomethyl (C)[6]		Mascot
870.4389	870.525	0.0861	99	656	662	QLTAYMK			Oxidation (M)[6]		Mascot
922.5217	922.448	-0.0737	-80	4504	4511	NIHVNLR					Mascot
1012.5785	1012.4557	-0.1228	-121	2323	2331	LLTLPNGER					Mascot
1045.5272	1045.5464	0.0192	18	2836	2843	LVEDEERR					Mascot
1165.6212	1165.7242	0.103	88	3438	3447	DLEASIARYK					Mascot
1226.6317	1226.5967	-0.035	-29	4405	4413	DPLFRFFER					Mascot
1243.5953	1243.62	0.0247	20	4203	4212	KYEFGESDLR					Mascot
1243.5953	1243.62	0.0247	20	4203	4212	KYEFGESDLR					Mascot
1259.7219	1259.6196	-0.1023	-81	3733	3742	LQGEFQLRLR	3	0			Mascot
1259.7219	1259.6196	-0.1023	-81	3733	3742	LQGEFQLRLR					Mascot
1318.6862	1318.6866	0.0004	0	3076	3087	DRAATSPALFNR					Mascot
1464.7086	1464.8146	0.106	72	2442	2452	MEHIMDFTRLR			Oxidation (M)[1]		Mascot
1464.7086	1464.8146	0.106	72	2442	2452	MEHIMDFTRLR			Oxidation (M)[1]		Mascot
1671.8563	1671.7439	-0.1124	-67	2948	2961	FVAWMNGLSVYQIK			Oxidation (M)[5]		Mascot

1698.8737	1698.8284	-0.0453	-27	1544	1558	WVYLEGIFTGSADIK		Mascot
1739.9261	1739.8994	-0.0267	-15	4599	4612	RNMVTLPPVYLNFR	Oxidation (M)[3]	Mascot
1752.834	1752.8356	0.0016	1	2783	2796	FTQDTQPHYIYSPR		Mascot
1753.8351	1753.8267	-0.0084	-5	3544	3558	TDIARTEYLSNADER		Mascot
1969.9912	1970.0437	0.0525	27	2702	2719	LERIQFVGACNPPTDPGR		Mascot
2081.1099	2081.0435	-0.0664	-32	2340	2357	IMFEVQDLKYAPLATVSR		Mascot
2081.9531	2082.0354	0.0823	40	1130	1147	FGQMLGNNMQDFHSQIS K		Mascot
2081.9531	2082.0354	0.0823	40	1130	1147	FGQMLGNNMQDFHSQIS K		Mascot
2147.0767	2146.8823	-0.1944	-91	264	282	DPASGTALQEISFWLNLE R		Mascot
2156.103	2155.9097	-0.1933	-90	981	997	LYQEMFAWKMNILSLPR	Oxidation (M)[5]	Mascot
2156.103	2155.9097	-0.1933	-90	981	997	LYQEMFAWKMNILSLPR	Oxidation (M)[5]	Mascot
2194.0828	2194.041	-0.0418	-19	3174	3190	HYLDFINHYANLFNEKR		Mascot
2210.9944	2211.0679	0.0735	33	531	550	EVDGLDVSKEGMEAWEA AMK	Oxidation (M)[12]	Mascot
2233.0627	2233.0476	-0.0151	-7	3561	3580	WQANSLPADDLCTENAI MLK		Mascot
2247.1074	2246.9182	-0.1892	-84	1020	1040	NALTRMPDGPSALEEAY NAVK		Mascot
2247.1074	2246.9182	-0.1892	-84	1020	1040	NALTRMPDGPSALEEAY NAVK		Mascot
2254.156	2253.9939	-0.1621	-72	3279	3299	QDLQVEPAVIEAQNVA SIK		Mascot
2261.04	2260.9285	-0.1115	-49	862	879	SLETCMYEHKMFTEILNR	Oxidation (M)[6]	Mascot
2268.9827	2268.8979	-0.0848	-37	411	428	VMVACFEVFQWDEYE K	Oxidation (M)[2]	Mascot
2283.1624	2283.1389	-0.0235	-10	2004	2024	QVKVSAEMAIFITMNP AGY		Mascot
2284.2561	2284.1343	-0.1218	-53	4504	4523	NIHVNLRGLFVPEAYIT AT		Mascot
2299.1572	2299.1426	-0.0146	-6	2004	2024	QVKVSAEMAIFITMNP AGY	Oxidation (M)[8]	Mascot
2389.1638	2389.1238	-0.04	-17	3561	3581	WQANSLPADDLCTENAI MLKR		Mascot
2389.1638	2389.1238	-0.04	-17	3561	3581	WQANSLPADDLCTENAI MLKR		Mascot

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PREDICTED: polyadenylate-binding protein 2-B-like isoform 1 [Danio rerio]

gi|189521749

22247.9

5.85

7

42

0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank Result Type
808.4246	808.3995	-0.0251	-31	175	180	GCRFIR		Carbamidomethyl (C)[2]	Mascot
862.4781	862.4878	0.0097	11	95	101	VTIPYNR			Mascot
996.4832	996.5796	0.0964	97	170	177	FNPFRGCR			Mascot
1739.9075	1739.8994	-0.0081	-5	142	156	RTNIPGFSTTDVYLR			Mascot

	1871.9075	1871.9116	0.0041	2	102	117	FTGHPKGFAYIEFSR										Mascot
	2389.0442	2389.1238	0.0796	33	42	60	QFPYSPEALFFDMTHE ER						Oxidation (M)[14]				Mascot
	2389.0442	2389.1238	0.0796	33	42	60	QFPYSPEALFFDMTHE ER						Oxidation (M)[14]				Mascot
	3337.5	3337.7021	0.2021	61	66	94	RSIYVGNVDYGATADELE MYFNSCGHVNR						Carbamidomethyl (C)[24]				Mascot
6	lft81 protein [Danio rerio]				gi 145337899		29908.3	5.76	9	42	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.5519	870.525	-0.0269	-31	200	206	VLRQQVK					Mascot
1045.5636	1045.5464	-0.0172	-16	14	21	TEEILRER					Mascot
1212.7311	1212.6027	-0.1284	-106	85	95	SALSPLIKDLR					Mascot
1212.7311	1212.6027	-0.1284	-106	85	95	SALSPLIKDLR					Mascot
1318.6896	1318.6866	-0.003	-2	170	180	ISQSM DVQVRR					Mascot
1524.7437	1524.7633	0.0196	13	221	232	MWKDLETLLCEK			Oxidation (M)[1]		Mascot
1784.8231	1784.8805	0.0574	32	113	128	AQYETCAAGLESNRSK			Carbamidomethyl (C)[6]		Mascot
2082.0349	2082.0354	0.0005	0	37	55	GISGYSDTQEELERVS AIK					Mascot
2082.0349	2082.0354	0.0005	0	37	55	GISGYSDTQEELERVS AIK					Mascot
2225.0879	2225.0808	-0.0071	-3	147	163	YHHINCEREIIESQIQR			Carbamidomethyl (C)[6]		Mascot
2225.0879	2225.0808	-0.0071	-3	147	163	YHHINCEREIIESQIQR			Carbamidomethyl (C)[6]		Mascot
2283.1914	2283.1389	-0.0525	-23	234	254	QCYLKAQSQAPIGHVIQD VGK					Mascot

7 novel protein similar to H.sapiens FBLIM1, filamin binding LIM protein 1 (FBLIM1, zgc:154176) [Dani

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
819.4028	819.406	0.0032	4	1	8	MASAAPQK			Oxidation (M)[1]		Mascot
938.4512	938.4636	0.0124	13	285	292	TCHSALIH			Carbamidomethyl (C)[2]		Mascot
1543.7897	1543.7686	-0.0211	-14	111	124	QVSPCESAIVALNR			Carbamidomethyl (C)[5]		Mascot
1671.8846	1671.7439	-0.1407	-84	110	124	KQVSPCESAIVALNR			Carbamidomethyl (C)[6]		Mascot
1871.9432	1871.9116	-0.0316	-17	50	67	THVVS GVPAPRDP CDPK					Mascot
2051.8481	2052.0659	0.2178	106	93	110	QQSDTHTHCSDVCGFCR K					Mascot
2080.9514	2081.0435	0.0921	44	179	195	ALERAYHPPCFVCTTCR			Carbamidomethyl (C)[10,13]		Mascot
2225.0332	2225.0808	0.0476	21	203	220	FAQGEVGEVYCLQDYR K			Carbamidomethyl (C)[11]		Mascot

	2225.0332	2225.0808	0.0476	21	203	220	FAQGEVGEVYCLQDYR K		Carbamidomethyl (C)[11]		Mascot
	2269.1055	2268.8979	-0.2076	-91	69	92	DLSGGPAEDGAVLRSA P SAGGQEK				Mascot
	2627.2856	2627.3286	0.043	16	24	49	ATVTPTAHGQHSPARA Q NTAPTGPCR				Mascot
8	Zgc:85662 protein [Danio rerio]				gi 32766594		58091.1	7.77	10	39	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.5138	856.511	-0.0028	-3	214	221	ESLLPVAK					Mascot
1051.5419	1051.6919	0.15	143	307	316	GGTLIQYDGK					Mascot
1265.696	1265.6768	-0.0192	-15	489	500	GTVIIIANHGDR					Mascot
1318.6572	1318.6866	0.0294	22	393	404	CFDNALGINVPR					Mascot
1464.7693	1464.8146	0.0453	31	303	316	ADVKGGLTIQYDGK					Mascot
1464.7693	1464.8146	0.0453	31	303	316	ADVKGGLTIQYDGK					Mascot
1671.8337	1671.7439	-0.0898	-54	93	106	INRPEDSIQPYDK					Mascot
1969.9106	1970.0437	0.1331	68	24	40	ELLSNSNGMAQFEVMR			Oxidation (M)[9]		Mascot
2156.0981	2155.9097	-0.1884	-87	149	166	NENTFLDLTVQQIEHLNK					Mascot
2156.0981	2155.9097	-0.1884	-87	149	166	NENTFLDLTVQQIEHLNK					Mascot
2403.1021	2403.0271	-0.075	-31	167	187	TYNADVPLVLMNSFNTD EDTK			Oxidation (M)[11]		Mascot
3439.709	3439.6465	-0.0625	-18	454	483	VQEYITRFESIPDMLELD HLTVSGDVTFGK					Mascot

9	hypothetical protein LOC445230 [Danio rerio]				gi 57525629		30002.4	9.55	8	39	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4107	807.3842	-0.0265	-33	17	22	ENKFNR					Mascot
850.5145	850.5283	0.0138	16	254	260	RTVISFK					Mascot
862.4451	862.4878	0.0427	50	233	240	VITSPSCR					Mascot
1543.6437	1543.7686	0.1249	81	104	115	MMEDMNLNEEKK			Oxidation (M)[1,2]		Mascot
1698.7201	1698.8284	0.1083	64	25	43	GFGAGVSSQGGSSGDD GEK					Mascot
1753.8538	1753.8267	-0.0271	-15	160	175	SGATDERLFACLSLR					Mascot
2051.9626	2052.0659	0.1033	50	25	46	GFGAGVSSQGGSSGDD GEKKPK					Mascot
2194.135	2194.041	-0.094	-43	140	159	TGSLRSSSQISQPEFLSE LK					Mascot

10	Zgc:77614 protein [Danio rerio]				gi 169642093		19598	9.62	6	38	0
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	936.5334	936.4772	-0.0562	-60	39	45 LKFCQLK			Carbamidomethyl (C)[4]		Mascot
	1752.8235	1752.8356	0.0121	7	148	164 TSASGRAQGFPAAASCWR					Mascot
	2095.9766	2095.99	0.0134	6	154	171 AQGFPAASCWRWTTQT ER					Mascot
	2254.1714	2253.9939	-0.1775	-79	12	31 LTYDSLQFEGLNISAGEL KR					Mascot
	2283.2441	2283.1389	-0.1052	-46	99	119 ADPSLLSLEQLLKTENLA EAK					Mascot
	3439.6296	3439.6465	0.0169	5	1	30 MSCVHYSFQSRLTYDSL QFEGLNISAGELK			Oxidation (M)[1]		Mascot
11	PREDICTED: zinc finger protein 420 [Danio rerio]				gi 326675828		36783.8	9.17	11	38	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	850.5145	850.5283	0.0138	16	29	35 EIKPHVK					Mascot
	1012.4008	1012.4557	0.0549	54	60	69 NGCVCTQCGK					Mascot
	1649.7775	1649.7625	-0.015	-9	83	97 IHTGEKPFCTCTQCGK					Mascot
	1649.7775	1649.7625	-0.015	-9	83	97 IHTGEKPFCTCTQCGK					Mascot
	1752.8043	1752.8356	0.0313	18	167	181 VHTKEKPYSCSECGK			Carbamidomethyl (C)[10]		Mascot
	2081.9453	2082.0354	0.0901	43	201	218 EHMCLCQQTFTVTAQQL K			Oxidation (M)[3]		Mascot
	2081.9453	2082.0354	0.0901	43	201	218 EHMCLCQQTFTVTAQQL K			Oxidation (M)[3]		Mascot
	2146.9873	2146.8823	-0.105	-49	11	28 QEEAEELIDIEENEESK					Mascot
	2211.0432	2211.0679	0.0247	11	83	101 IHTGEKPFCTCTQCGKSFG R			Carbamidomethyl (C)[10,13]		Mascot
	2229.054	2228.908	-0.146	-65	275	293 AHERIHTGEKPYTCDQCL K					Mascot
	2283.0757	2283.1389	0.0632	28	111	129 IHTGERPFTCTQCGKSFT R			Carbamidomethyl (C)[10,13]		Mascot
	2299.053	2299.1426	0.0896	39	247	265 THQMIHTGEKPYKCSHC NK			Carbamidomethyl (C)[14]		Mascot
	3439.5374	3439.6465	0.1091	32	130	157 SYLLNLHMMIHTGERPH NCDQCGKTFMR			Carbamidomethyl (C)[19]		Mascot
12	Zgc:113377 [Danio rerio]				gi 66910322		36776.6	9.05	11	38	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	850.5145	850.5283	0.0138	16	29	35 EIKPHVK					Mascot
	1012.4008	1012.4557	0.0549	54	60	69 NGCVCTQCGK					Mascot
	1649.7775	1649.7625	-0.015	-9	83	97 IHTGEKPFCTCTQCGK					Mascot

1649.7775	1649.7625	-0.015	-9	83	97	IHTGEKPFTCTQCGK						Mascot
1752.8043	1752.8356	0.0313	18	167	181	VHTKEKPYSCECGK				Carbamidomethyl (C)[10]		Mascot
2081.9453	2082.0354	0.0901	43	201	218	EHMCLECQQTFVTAGQLK				Oxidation (M)[3]		Mascot
2081.9453	2082.0354	0.0901	43	201	218	EHMCLECQQTFVTAGQLK				Oxidation (M)[3]		Mascot
2146.9944	2146.8823	-0.1121	-52	80	97	HMRIHTGEKPFTCTQCGK				Carbamidomethyl (C)[13], Oxidation (M)[2]		Mascot
2211.0432	2211.0679	0.0247	11	83	101	IHTGEKPFTCTQCGKSFGK				Carbamidomethyl (C)[10,13]		Mascot
2283.0757	2283.1389	0.0632	28	111	129	IHTGERPFTCTQCGKSFTK				Carbamidomethyl (C)[10,13]		Mascot
2300.0369	2300.1372	0.1003	44	247	265	THEMIHTGEKPYKCSHCNK				Carbamidomethyl (C)[14]		Mascot
2403.1409	2403.0271	-0.1138	-47	9	28	IKQEEAEEQIDLIEENEESK						Mascot
3439.5374	3439.6465	0.1091	32	130	157	SYLNLHMMIHTGERPHNCDQCGKTFMR				Carbamidomethyl (C)[19]		Mascot

13 PREDICTED: titin [Danio rerio] gi|189523699 3645668 6.16 68 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3882	807.3842	-0.004	-5	10412	10418	EPATFDK					Mascot
808.373	808.3995	0.0265	33	1411	1416	DTTRCR			Carbamidomethyl (C)[5]		Mascot
816.4937	816.4921	-0.0016	-2	110	116	LQSLTVR					Mascot
819.4094	819.406	-0.0034	-4	9872	9878	EDEIVSK					Mascot
842.4981	842.496	-0.0021	-2	8812	8818	EDILPKK					Mascot
850.5396	850.5283	-0.0113	-13	17926	17932	FLLTKTK					Mascot
856.4886	856.511	0.0224	26	7306	7312	LTLQEPR					Mascot
862.4814	862.4878	0.0064	7	27341	27348	IVCSSVVR					Mascot
870.4203	870.525	0.1047	120	6908	6915	LSDSGTYK					Mascot
882.4679	882.5526	0.0847	96	2876	2882	YKVSTER					Mascot
922.4298	922.448	0.0182	20	16437	16443	EDKLMDR			Oxidation (M)[5]		Mascot
936.4706	936.4772	0.0066	7	7707	7714	ETTVEMVK					Mascot
938.4465	938.4636	0.0171	18	11230	11237	YDIIDDGK					Mascot
996.591	996.5796	-0.0114	-11	9064	9072	MKAVPLPPK			Oxidation (M)[1]		Mascot
1012.4516	1012.4557	0.0041	4	31401	31409	FGEDSCKAR					Mascot
1045.5347	1045.5464	0.0117	11	7144	7153	CQIGGTPEIK					Mascot
1051.6259	1051.6919	0.066	63	32375	32384	SPIASPPRVK					Mascot
1165.6212	1165.7242	0.103	88	8759	8768	ETFSVQVVTR					Mascot
1212.6119	1212.6027	-0.0092	-8	31175	31185	VAYGGGYRNQK					Mascot
1212.6848	1212.6027	-0.0821	-68	19390	19400	GRPAPKATWTK					Mascot

1226.6058	1226.5967	-0.0091	-7	31927	31937	SHRVPCGQNTK		Mascot
1242.6113	1242.5913	-0.02	-16	25186	25195	LTQGTEYQFR		Mascot
1243.7885	1243.62	-0.1685	-135	668	678	IIKPVKPPSHK		Mascot
1243.7885	1243.62	-0.1685	-135	668	678	IIKPVKPPSHK		Mascot
1259.6266	1259.6196	-0.007	-6	19551	19562	ASEQPGPVAEFK		Mascot
1259.7722	1259.6196	-0.1526	-121	7759	7769	GLLQAIEFLKK		Mascot
1265.6711	1265.6768	0.0057	5	17072	17083	AMNPLFPPGPPK		Mascot
1318.675	1318.6866	0.0116	9	31642	31651	LRDQYEIPER		Mascot
1457.7594	1457.7629	0.0035	2	1571	1583	SLVEDSQLPEGRK		Mascot
1464.7766	1464.8146	0.038	26	26434	26446	ITGYLIEMKDGP		Mascot
1464.7766	1464.8146	0.038	26	26434	26446	ITGYLIEMKDGP		Mascot
1524.7913	1524.7633	-0.028	-18	13060	13072	LCPDLLYRMSGLK	Oxidation (M)[9]	Mascot
1543.7784	1543.7686	-0.0098	-6	12056	12068	KLVIHDLTDDSK	Carbamidomethyl (C)[7]	Mascot
1547.7787	1547.7916	0.0129	8	29396	29410	GRPAPVCSWSFGGVK		Mascot
1591.8877	1591.7557	-0.132	-83	10183	10197	GIMLTSSLHPLTPK		Mascot
1649.8051	1649.7625	-0.0426	-26	11334	11348	DVTLDDTCQIKAEAK		Mascot
1649.8051	1649.7625	-0.0426	-26	11334	11348	DVTLDDTCQIKAEAK		Mascot
1671.7828	1671.7439	-0.0389	-23	20158	20171	LAENVMDCRYVASK	Carbamidomethyl (C)[8], Oxidation (M)[6]	Mascot
1698.8367	1698.8284	-0.0083	-5	21716	21730	ITGYIVEMQGNSDK	Oxidation (M)[8]	Mascot
1739.9326	1739.8994	-0.0332	-19	28933	28947	LKITGLLEGSDYQFR		Mascot
1752.8196	1752.8356	0.016	9	19503	19517	AWTCVAPECPKTSFR	Carbamidomethyl (C)[4]	Mascot
1753.8174	1753.8267	0.0093	5	32576	32591	RESAAVSSMHESFTSK		Mascot
1784.9137	1784.8805	-0.0332	-19	7770	7785	EKELESGRPEGEIVGR		Mascot
1871.9395	1871.9116	-0.0279	-15	25563	25578	LAWTLVYADMKATTCK	Carbamidomethyl (C)[15]	Mascot
1970.0454	1970.0437	-0.0017	-1	30697	30713	GQEIINNTAYHQVIIR		Mascot
2052.0913	2052.0659	-0.0254	-12	26361	26378	ATHFKVTNVNAGLIYEFK		Mascot
2081.1489	2081.0435	-0.1054	-51	19626	19645	VKAINESAEGPPTELTILAK		Mascot
2082.0422	2082.0354	-0.0068	-3	976	993	KQDVITYVTEVTAMVQEPK	Oxidation (M)[13]	Mascot
2082.0422	2082.0354	-0.0068	-3	976	993	KQDVITYVTEVTAMVQEPK	Oxidation (M)[13]	Mascot
2096.0579	2095.99	-0.0679	-32	10877	10895	LQIIDVQLSDTGEYTCVAK		Mascot
2146.967	2146.8823	-0.0847	-39	1960	1977	EKDTMVTFCETNEPFVK		Mascot
2156.0408	2155.9097	-0.1311	-61	15058	15076	AVDPQGPPTSPEKFHYTER		Mascot
2156.0408	2155.9097	-0.1311	-61	15058	15076	AVDPQGPPTSPEKFHYTER		Mascot
2194.0583	2194.041	-0.0173	-8	23824	23843	VMAENEFGLPVETEESVK	Oxidation (M)[2]	Mascot
2211.0713	2211.0679	-0.0034	-2	29957	29976	TPLCPPEPPSFPEIMDVTK	Oxidation (M)[16]	Mascot

2225.0479	2225.0808	0.0329	15	18756	18774	HPFDPPSEPLNCCVNKV SK	Carbamidomethyl (C)[12,13]	Mascot
2225.0479	2225.0808	0.0329	15	18756	18774	HPFDPPSEPLNCCVNKV SK	Carbamidomethyl (C)[12,13]	Mascot
2229.1736	2228.908	-0.2656	-119	18429	18447	ITNLTPGIEYYFRVMAVN K		Mascot
2232.9575	2233.0476	0.0901	40	1525	1542	MINEFGYCSLDYEVAYSR	Carbamidomethyl (C)[8], Oxidation (M)[1]	Mascot
2247.0247	2246.9182	-0.1065	-47	26327	26346	EPSSDGGSVHFGYHLQM KDR		Mascot
2247.1978	2246.9182	-0.2796	-124	24214	24235	VFAENIAGISPSKVSSEV VAR		Mascot
2254.0881	2253.9939	-0.0942	-42	2847	2865	KAVFECELSEPNVQVTW MK	Oxidation (M)[18]	Mascot
2261.0789	2260.9285	-0.1504	-67	6348	6366	HKILQDENSMSLDIECLE K	Oxidation (M)[10]	Mascot
2269.1716	2268.8979	-0.2737	-121	18247	18268	VSAQNQVGMGRPANVK DAVSPK	Oxidation (M)[9]	Mascot
2283.1284	2283.1389	0.0105	5	13772	13793	VRAVNVAGESEPSEPSD PVLCK		Mascot
2284.1389	2284.1343	-0.0046	-2	21385	21405	ACDTIFQPGPPGNPRVLD TTK	Carbamidomethyl (C)[2]	Mascot
2297.1516	2297.1538	0.0022	1	7038	7058	NLSVEMGKSLILECTYAG SPK	Carbamidomethyl (C)[14]	Mascot
2299.146	2299.1426	-0.0034	-1	15583	15602	IFMDISADELLCVRAGTPF K	Carbamidomethyl (C)[12], Oxidation (M)[3]	Mascot
2300.1113	2300.1372	0.0259	11	5471	5492	GTDVVLEGTVSGSAPFEI SCFK	Carbamidomethyl (C)[20]	Mascot
2389.0977	2389.1238	0.0261	11	12851	12871	TWTLATDCADSTEYTVT GLQR	Carbamidomethyl (C)[8]	Mascot
2389.0977	2389.1238	0.0261	11	12851	12871	TWTLATDCADSTEYTVT GLQR	Carbamidomethyl (C)[8]	Mascot
2403.1675	2403.0271	-0.1404	-58	25923	25945	EVTKSSATITWDTPDNEG GAPVK		Mascot
2627.2996	2627.3286	0.029	11	28525	28546	IPCVECHYKVSTLIEGLEY QFR		Mascot
3337.4834	3337.7021	0.2187	66	4869	4900	DTGTYTCTAANEAGSSS CSSSVTVQEPPVFK	Carbamidomethyl (C)[7,18]	Mascot
3439.656	3439.6465	-0.0095	-3	15730	15759	AWTVANATCASMFAVVS NLLEGQDYFFRVR	Carbamidomethyl (C)[9], Oxidation (M)[12]	Mascot

14 collagen type XXVIII alpha 1 b precursor [Danio rerio] gi|225310541 81777.2 6.47 12 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
808.3691	808.3995	0.0304	38	428	435	EICGCGVK			Mascot
870.5043	870.525	0.0207	24	1	9	TGIGLQGPK			Mascot
922.412	922.448	0.036	39	428	435	EICGCGVK	Carbamidomethyl (C)[3,5]		Mascot
938.5165	938.4636	-0.0529	-56	59	67	GLEGPRGPR			Mascot
996.536	996.5796	0.0436	44	499	506	YTTKQDIK			Mascot
1045.5823	1045.5464	-0.0359	-34	420	427	DEIIRMIR			Mascot
1243.6277	1243.62	-0.0077	-6	181	194	GAEGAAGVGIQGEK			Mascot
1243.6277	1243.62	-0.0077	-6	181	194	GAEGAAGVGIQGEK			Mascot

	1259.6842	1259.6196	-0.0646	-51	543	554	VAIVITDGQTDK												Mascot
	1259.6842	1259.6196	-0.0646	-51	543	554	VAIVITDGQTDK												Mascot
	1265.6163	1265.6768	0.0605	48	425	435	MIREICGCGVK											Carbamidomethyl (C)[6]	Mascot
	1698.8228	1698.8284	0.0056	3	395	412	GDMGDPGVSGQAGRPG IK												Mascot
	2082.0574	2082.0354	-0.022	-11	172	194	GEPGATGLRGAEGAAGV GIQGEK												Mascot
	2082.0574	2082.0354	-0.022	-11	172	194	GEPGATGLRGAEGAAGV GIQGEK												Mascot
	2229.0715	2228.908	-0.1635	-73	357	379	GDQQLQGVGTGPRGFPG EGMPGSK												Mascot
	2297.1421	2297.1538	0.0117	5	633	652	ALIFNRINDFENGYGLNG NR												Mascot
15	glutathione S-transferase M [Danio rerio]					gi 47086689	26045.6	5.58	7	37	0	14	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
850.4239	850.5283	0.1044	123	211	217 MAKWGNK			Oxidation (M)[1]		Mascot
936.4937	936.4772	-0.0165	-18	5	11 LAYWDIR					Mascot
1212.6007	1212.6027	0.002	2	136	145 QFSDFLGDRK	14	0			Mascot
1212.6007	1212.6027	0.002	2	136	145 QFSDFLGDRK					Mascot
1464.61	1464.8146	0.2046	140	32	43 FYTCGEAPNYDK			Carbamidomethyl (C)[4]		Mascot
1464.61	1464.8146	0.2046	140	32	43 FYTCGEAPNYDK			Carbamidomethyl (C)[4]		Mascot
1591.6476	1591.7557	0.1081	68	84	96 HNLCGETEEEEQMR			Oxidation (M)[12]		Mascot
1671.9329	1671.7439	-0.189	-113	5	18 LAYWDIRGLAQPIR					Mascot
1698.7979	1698.8284	0.0305	18	168	181 MFEPACLDDFKNLR					Mascot

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
819.4094	819.406	-0.0034	-4	328	334	EILSDDK					Mascot
856.5502	856.511	-0.0392	-46	1319	1326	GALIELLK					Mascot
870.577	870.525	-0.052	-60	1365	1371	VLKEILR					Mascot
938.4764	938.4636	-0.0128	-14	887	893	LCEIFTR			Carbamidomethyl (C)[2]		Mascot
1165.6801	1165.7242	0.0441	38	1355	1364	DHTIRALALR					Mascot
1243.6833	1243.62	-0.0633	-51	1117	1127	LWGWGVDGLLK					Mascot
1243.6833	1243.62	-0.0633	-51	1117	1127	LWGWGVDGLLK					Mascot
1318.6355	1318.6866	0.0511	39	738	749	IPRPSMSQGCSR					Mascot
1524.6953	1524.7633	0.068	45	507	518	KCYWGFHGHFSR					Mascot

	1547.6932	1547.7916	0.0984	64	1209	1224	DDATGKEAASPGSDAR											Mascot
	1752.8295	1752.8356	0.0061	3	2	15	EPNMEYCLTQVLQK						Carbamidomethyl (C)[7]					Mascot
	1753.8214	1753.8267	0.0053	3	118	131	IMEQSATPQYIWDR						Oxidation (M)[2]					Mascot
	1969.9283	1970.0437	0.1154	59	223	240	FDEVQRSGNMILSSGSDK											Mascot
	2081.9265	2082.0354	0.1089	52	1073	1092	NSSNTSNSSPSNTMGRTPAR						Oxidation (M)[14]					Mascot
	2081.9265	2082.0354	0.1089	52	1073	1092	NSSNTSNSSPSNTMGRTPAR						Oxidation (M)[14]					Mascot
	2194.063	2194.041	-0.022	-10	2	19	EPNMEYCLTQVLQKDVAR						Carbamidomethyl (C)[7]					Mascot
	2225.207	2225.0808	-0.1262	-57	381	401	SQVVREACITLGHLSLLGNK											Mascot
	2225.207	2225.0808	-0.1262	-57	381	401	SQVVREACITLGHLSLLGNK											Mascot
	2254.1536	2253.9939	-0.1597	-71	402	422	FDHGAESIMPTLLNLVPN											Mascot
	2284.0769	2284.1343	0.0574	25	1	19	MEPNMEYCLTQVLQKDV						Oxidation (M)[1]					Mascot
	2300.072	2300.1372	0.0652	28	1	19	MEPNMEYCLTQVLQKDV						Oxidation (M)[1,5]					Mascot
	2403.0994	2403.0271	-0.0723	-30	843	863	QTEDVAEVLNHCASSNWSERK											Mascot
17	glutathione S-transferase M [Danio rerio]				gi 220679252		26044.7	6.03	7	37	0	14	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4239	850.5283	0.1044	123	211	217	MAKWGNK				Oxidation (M)[1]		Mascot
936.4937	936.4772	-0.0165	-18	5	11	LAYWDIR						Mascot
1212.6007	1212.6027	0.002	2	136	145	QFSDFLGDRK	14		0			Mascot
1212.6007	1212.6027	0.002	2	136	145	QFSDFLGDRK						Mascot
1464.61	1464.8146	0.2046	140	32	43	FYTCGEAPNYDK				Carbamidomethyl (C)[4]		Mascot
1464.61	1464.8146	0.2046	140	32	43	FYTCGEAPNYDK				Carbamidomethyl (C)[4]		Mascot
1591.6476	1591.7557	0.1081	68	84	96	HNLCGETEEEQMR				Oxidation (M)[12]		Mascot
1671.9329	1671.7439	-0.189	-113	5	18	LAYWDIRGLAQPIR						Mascot
1698.7979	1698.8284	0.0305	18	168	181	MFEPACLDDFKNLR						Mascot

18 PREDICTED: DNA-directed RNA polymerase III subunit gi|326672679 155658.6 8.87 19 36 0
RPC1 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
816.4144	816.4921	0.0777	95	296	302	HRMTGAK				Oxidation (M)[3]		Mascot
856.4675	856.511	0.0435	51	817	823	SLPHFQK						Mascot

		862.4451	862.4878	0.0427	50	399	405	ANIELMR		Oxidation (M)[6]	Mascot
		1045.6152	1045.5464	-0.0688	-66	131	139	RPGLAYLQK			Mascot
		1165.6727	1165.7242	0.0515	44	661	669	NNIFYILLR			Mascot
		1212.579	1212.6027	0.0237	20	865	874	TAETGYMQRR			Mascot
		1212.579	1212.6027	0.0237	20	865	874	TAETGYMQRR			Mascot
		1226.5205	1226.5967	0.0762	62	272	282	SGTNEDDLTMK		Oxidation (M)[10]	Mascot
		1318.6711	1318.6866	0.0155	12	1183	1193	SSMYVQLSLK			Mascot
		1464.6172	1464.8146	0.1974	135	670	682	DWGQQEAADAMSR			Mascot
		1464.6172	1464.8146	0.1974	135	670	682	DWGQQEAADAMSR			Mascot
		1698.8003	1698.8284	0.0281	17	878	891	SLEDLCSQYDLTVR		Carbamidomethyl (C)[6]	Mascot
		1739.9802	1739.8994	-0.0808	-46	214	228	AQENLNPLVVLNLF			Mascot
		1753.8182	1753.8267	0.0085	5	15	29	ISHICFGMKSSEQMR			Mascot
		1871.9392	1871.9116	-0.0276	-15	24	39	SSEQMRQQAHQVVS		Oxidation (M)[5]	Mascot
		2247.0854	2246.9182	-0.1672	-74	1225	1245	LLVEGDNMRSVMATHGV NGSK		Oxidation (M)[8,12]	Mascot
		2247.0854	2246.9182	-0.1672	-74	1225	1245	LLVEGDNMRSVMATHGV NGSK		Oxidation (M)[8,12]	Mascot
		2261.2507	2260.9285	-0.3222	-142	599	618	QIFSLILKPSKSCPVMANL R		Oxidation (M)[16]	Mascot
		2283.1221	2283.1389	0.0168	7	787	808	GSFINISQMIACVGGQAIS GSR		Oxidation (M)[9]	Mascot
		2299.2698	2299.1426	-0.1272	-55	100	119	AIVGILQMICKTCSHILLTK		Carbamidomethyl (C)[10,13]	Mascot
		2627.2671	2627.3286	0.0615	23	661	682	NNIFYILLRDWGQQEAAD AMSR		Oxidation (M)[20]	Mascot
		3439.4368	3439.6465	0.2097	61	623	652	QYCGKGEDLCANDSFVV IHNSLMCGSMDK		Carbamidomethyl (C)[3,10], Oxidation (M)[24,28]	Mascot
19	DNA replication complex GINS protein PSF3 [Danio rerio]	gi 50838828		24294.2	6.34	7	35	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	807.3995	807.3842	-0.0153	-19	36	42	TESAFPR					Mascot
	808.4199	808.3995	-0.0204	-25	163	168	LDYLER					Mascot
	1524.7944	1524.7633	-0.0311	-20	93	106	TVFGADPTVVDLYK					Mascot
	1547.8176	1547.7916	-0.026	-17	189	202	SSHLTASSLVINYR					Mascot
	1591.7863	1591.7557	-0.0306	-19	173	186	AGQSGLNNFQLWEK					Mascot
	1752.8811	1752.8356	-0.0455	-26	61	74	MEMPLWLAKGLYER			Oxidation (M)[1]		Mascot
	2146.9194	2146.8823	-0.0371	-17	144	162	TMDSSQNAYNEDTSALV ER			Oxidation (M)[2]		Mascot
20	methenyltetrahydrofolate synthase domain-containing protein [Danio rerio]					gi 113679548		43056.8	9.08	9	35	0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
862.4086	862.4878	0.0792	92	45	52	GALEACNK			Carbamidomethyl (C)[6]		Mascot
882.5407	882.5526	0.0119	13	86	93	SLLVPTPR					Mascot
922.4662	922.448	-0.0182	-20	115	123	VCSTSQGIK					Mascot
1242.6147	1242.5913	-0.0234	-19	67	77	VDPDKPMEGVR					Mascot
1547.7887	1547.7916	0.0029	2	200	212	HDLMVDFIITATR			Oxidation (M)[4]		Mascot
1649.9697	1649.7625	-0.2072	-126	324	337	GLLREQEVVPLQIR	5	0			Mascot
1649.9697	1649.7625	-0.2072	-126	324	337	GLLREQEVVPLQIR					Mascot
1671.9152	1671.7439	-0.1713	-102	220	233	HPKPQGIIWSMLHK					Mascot
1872.0411	1871.9116	-0.1295	-69	200	215	HDLMVDFIITATRVIK					Mascot
2389.2795	2389.1238	-0.1557	-65	45	66	GALEACNKVAQLEIFIESA VVK			Carbamidomethyl (C)[6]		Mascot
2389.2795	2389.1238	-0.1557	-65	45	66	GALEACNKVAQLEIFIESA VVK			Carbamidomethyl (C)[6]		Mascot
21	filamin-binding LIM protein 1 [Danio rerio]			gi 116267999		31699.8	7.11	9	35	0	

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification			Rank	Result Type
819.4028	819.406	0.0032	4	1	8	MASAAPQK			Oxidation (M)[1]				Mascot
938.4512	938.4636	0.0124	13	285	292	TCHSALIH			Carbamidomethyl (C)[2]				Mascot
1543.7897	1543.7686	-0.0211	-14	111	124	QVSPCESAIVALNR			Carbamidomethyl (C)[5]				Mascot
1671.8846	1671.7439	-0.1407	-84	110	124	KQVSPCESAIVALNR			Carbamidomethyl (C)[6]				Mascot
2051.8481	2052.0659	0.2178	106	93	110	QQSDTHTHCSDVCGFCR K							Mascot
2080.9514	2081.0435	0.0921	44	179	195	ALERAYHPPCFVCTTCR			Carbamidomethyl (C)[10,13]				Mascot
2225.0332	2225.0808	0.0476	21	203	220	FAQGEVGEVYCLQDYR K			Carbamidomethyl (C)[11]				Mascot
2225.0332	2225.0808	0.0476	21	203	220	FAQGEVGEVYCLQDYR K			Carbamidomethyl (C)[11]				Mascot
2269.1055	2268.8979	-0.2076	-91	69	92	DLSGGPAEDGAVLRSAP SAGGQEK							Mascot
2627.2856	2627.3286	0.043	16	24	49	ATVTPTAHGQHSPARAQ NTAPTGPCR							Mascot
22	novel protein similar to vertebrate development and differentiation enhancing factor family (DDEF1				gi 55251306		113648.6	6.47	12	34	0	5	0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4916	842.496	0.0044	5	49	55	SVLHKMK					Mascot

	870.5771	870.525	-0.0521	-60	264	270	KQLLQLK										Mascot
	922.4298	922.448	0.0182	20	275	282	SALQSECK						Carbamidomethyl (C)[7]				Mascot
	1212.6517	1212.6027	-0.049	-40	546	556	LHALCDAVKSR										Mascot
	1212.6517	1212.6027	-0.049	-40	546	556	LHALCDAVKSR										Mascot
	1243.5889	1243.62	0.0311	25	790	800	GWSPPMENIGR	5		0							Mascot
	1243.5889	1243.62	0.0311	25	790	800	GWSPPMENIGR										Mascot
	1259.5837	1259.6196	0.0359	29	790	800	GWSPPMENIGR	3		0	Oxidation (M)[6]						Mascot
	1259.5837	1259.6196	0.0359	29	790	800	GWSPPMENIGR				Oxidation (M)[6]						Mascot
	1265.6484	1265.6768	0.0284	22	905	916	SPTRDAIGSFSK										Mascot
	1464.8057	1464.8146	0.0089	6	909	922	DAIGSFSKIVSVNK										Mascot
	1464.8057	1464.8146	0.0089	6	909	922	DAIGSFSKIVSVNK										Mascot
	1543.7434	1543.7686	0.0252	16	790	802	GWSPPMENIGRQR				Oxidation (M)[6]						Mascot
	1753.7931	1753.8267	0.0336	19	20	34	APTTSVFCTMAHCR				Carbamidomethyl (C)[8], Oxidation (M)[11]						Mascot
	2146.866	2146.8823	0.0163	8	620	637	GSTALHYCCLTDNSECM K				Carbamidomethyl (C)[8,9,16]						Mascot
	2247.2053	2246.9182	-0.2871	-128	237	256	VVDNLKPFMEKLATDLTA NK										Mascot
	2247.2053	2246.9182	-0.2871	-128	237	256	VVDNLKPFMEKLATDLTA NK										Mascot
	2297.0642	2297.1538	0.0896	39	1	19	MPDQLTVTEFVDITHEDY K				Oxidation (M)[1]						Mascot
23	UDP-glucose pyrophosphorylase 2 [Danio rerio]				gi 47086583		54991.6	7.25	9	34	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification	Rank	Result Type
	856.5138	856.511	-0.0028	-3	183	190	ESLLPVAK					Mascot
	1051.5419	1051.6919	0.15	143	276	285	GGTLIQYDGK					Mascot
	1265.696	1265.6768	-0.0192	-15	458	469	GTVIIIANHGDR					Mascot
	1318.6572	1318.6866	0.0294	22	362	373	CFDNALGINVPR					Mascot
	1464.7693	1464.8146	0.0453	31	272	285	ADVKG GTLIQYDGK					Mascot
	1464.7693	1464.8146	0.0453	31	272	285	ADVKG GTLIQYDGK					Mascot
	1671.8337	1671.7439	-0.0898	-54	62	75	INRPEDSIQPYDK					Mascot
	2156.0981	2155.9097	-0.1884	-87	118	135	NENTFLDLTVQQIEHLNK					Mascot
	2156.0981	2155.9097	-0.1884	-87	118	135	NENTFLDLTVQQIEHLNK					Mascot
	2403.1021	2403.0271	-0.075	-31	136	156	TYNADVPLVLMNSFNTD EDTK			Oxidation (M)[11]		Mascot
	3439.709	3439.6465	-0.0625	-18	423	452	VQEYITRFESIPDMLELD HLTVSGDVTFGK					Mascot
24	Sh3bp4a protein [Danio rerio]				gi 66910395		76175.4	8.42	11	34	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5822	842.496	-0.0862	-102	663	669	LIKTVIR					Mascot
850.4338	850.5283	0.0945	111	387	393	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.525	0.0524	60	1	7	MAAHRIR			Oxidation (M)[1]		Mascot
1318.5984	1318.6866	0.0882	67	66	76	DYCPSSFITLK			Carbamidomethyl (C)[3]		Mascot
1671.806	1671.7439	-0.0621	-37	461	474	HVSFSSNVWNHMK					Mascot
2081.0188	2081.0435	0.0247	12	402	419	VSVMTRTSPMAEIVCVR			Carbamidomethyl (C)[16], Oxidation (M)[4]		Mascot
2228.9282	2228.908	-0.0202	-9	117	138	NSSLSDSGMIDNLGDCS EEGAK					Mascot
2261.1648	2260.9285	-0.2363	-105	485	504	HIHPSFKTVVAIFGHDCAPK			Carbamidomethyl (C)[17]		Mascot
2284.2368	2284.1343	-0.1025	-45	492	513	TVVAIFGHDCAPKTLVSEVGK					Mascot
2300.0686	2300.1372	0.0686	30	597	616	DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5]		Mascot
3337.6052	3337.7021	0.0969	29	298	327	LARSCHDLESLGQNPWG GQTQPVETNIVCK			Carbamidomethyl (C)[5]		Mascot
25	putative CMP-sialic acid synthetase [Danio rerio]			gi 114649512		48196.6	7.59	10	34	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.473	842.496	0.023	27	256	262	DKPEVVR					Mascot
856.525	856.511	-0.014	-16	39	47	GGSKGIPLK					Mascot
882.577	882.5526	-0.0244	-28	43	50	GIPLKNIK					Mascot
1212.6986	1212.6027	-0.0959	-79	404	413	EFAEHILLK					Mascot
1212.6986	1212.6027	-0.0959	-79	404	413	EFAEHILLK					Mascot
1259.761	1259.6196	-0.1414	-112	307	317	VILLETYPK					Mascot
1259.761	1259.6196	-0.1414	-112	307	317	VILLETYPK					Mascot
1265.5725	1265.6768	0.1043	82	418	427	SQMEQDRICR					Mascot
2081.0154	2081.0435	0.0281	14	121	138	EVDVICNIQATSPCLHPK			Carbamidomethyl (C)[6,14]		Mascot
2146.9539	2146.8823	-0.0716	-33	172	190	GGDCSTEPMNLNPACRP RR			Carbamidomethyl (C)[4], Oxidation (M)[9]		Mascot
2193.9658	2194.041	0.0752	34	190	207	RQDWSGELCENGSEFYFA K			Carbamidomethyl (C)[9]		Mascot
2403.085	2403.0271	-0.0579	-24	168	189	EVEKGGDCSTEPMNLNP ACRPR					Mascot
26	PREDICTED: e3 ubiquitin-protein ligase RBBP6-like [Danio rerio]			gi 326681299		19216.7	9.47	6	34	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type

					Seq.	Seq.	Score					
	936.5334	936.4772	-0.0562	-60	39	45 LKFCQLK				Carbamidomethyl (C)[4]		Mascot
	1752.8407	1752.8356	-0.0051	-3	128	144 AVMYQSSLCSTPAAAPR						Mascot
	1969.8755	1970.0437	0.1682	85	145	162 CTSASGRAQGFPAAASCR				Carbamidomethyl (C)[1,16]		Mascot
	2095.9766	2095.99	0.0134	6	152	169 AQGFPAASCRWTTQT ER						Mascot
	2254.1714	2253.9939	-0.1775	-79	12	31 LTYDSLQFEGLNISAGEL KR						Mascot
	2283.2441	2283.1389	-0.1052	-46	99	119 ADPSLLSLEQLLKTNLA EAK						Mascot
27	Zgc:110331 [Danio rerio]				gi 62202266		17382.1	8.3	6	34	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	819.5086	819.406	-0.1026	-125	79	85 IVNAKFK					Mascot
	882.5294	882.5526	0.0232	26	122	129 ELSLPPVK					Mascot
	1045.5636	1045.5464	-0.0172	-16	42	51 NVGSLDKNAK					Mascot
	1739.9836	1739.8994	-0.0842	-48	9	24 CAAPQILKTLAPTLR			Carbamidomethyl (C)[1]		Mascot
	2194.1611	2194.041	-0.1201	-55	122	141 ELSLPPVKLHCSMLAEDA IK					Mascot
	2247.1113	2246.9182	-0.1931	-86	84	104 FKTFGCGSAIASSSLATE WVK			Carbamidomethyl (C)[6]		Mascot
	2247.1113	2246.9182	-0.1931	-86	84	104 FKTFGCGSAIASSSLATE WVK			Carbamidomethyl (C)[6]		Mascot

28 novel protein similar to follistatin-like 1 (fstl1, wu:fc25c04) [Danio rerio]

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	808.3617	808.3995	0.0378	47	43	50 SVCGSNGK			Carbamidomethyl (C)[3]		Mascot
	870.4315	870.525	0.0935	107	276	282 HQETVEK					Mascot
	1524.8016	1524.7633	-0.0383	-25	270	282 VAELNKHQETVEK					Mascot
	2225.0947	2225.0808	-0.0139	-6	192	210 LSFDEFLNCLKPGFSPPE K			Carbamidomethyl (C)[9]		Mascot
	2225.0947	2225.0808	-0.0139	-6	192	210 LSFDEFLNCLKPGFSPPE K			Carbamidomethyl (C)[9]		Mascot
	2253.9607	2253.9939	0.0332	15	20	38 ECAVNEKGEPSCLCIEQC K			Carbamidomethyl (C)[2,12,14]		Mascot
	2299.9661	2300.1372	0.1711	74	250	268 TPVFDTEGDQEMTEEEW TR					Mascot
	2388.9553	2389.1238	0.1685	71	212	231 CALEDETYEDGAETQVE CNR			Carbamidomethyl (C)[1,18]		Mascot
	2388.9553	2389.1238	0.1685	71	212	231 CALEDETYEDGAETQVE CNR			Carbamidomethyl (C)[1,18]		Mascot

	2403.0076	2403.0271	0.0195	8	211	231	KCALEDETYEDGAETQV ECNR						Mascot
29	intraflagellar transport 81 homolog [Danio rerio]				gi 159570779		78814.9	6.43	14	33	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3665	807.3842	0.0177	22	284	289	ELENMR			Oxidation (M)[5]		Mascot
819.3954	819.406	0.0106	13	380	386	TSQAQER					Mascot
870.5519	870.525	-0.0269	-31	616	622	VLRQQVK					Mascot
1045.5636	1045.5464	-0.0172	-16	430	437	TEEILRER					Mascot
1212.7311	1212.6027	-0.1284	-106	501	511	SALSPLIKDLR					Mascot
1212.7311	1212.6027	-0.1284	-106	501	511	SALSPLIKDLR					Mascot
1226.6124	1226.5967	-0.0157	-13	217	226	EREESLAHQK					Mascot
1318.6896	1318.6866	-0.003	-2	586	596	ISQSM DVQVRR					Mascot
1524.7437	1524.7633	0.0196	13	637	648	MWKDLETLLLECK			Oxidation (M)[1]		Mascot
1547.7733	1547.7916	0.0183	12	367	379	EELAAVERELNMK			Oxidation (M)[12]		Mascot
1784.8483	1784.8805	0.0322	18	157	172	ECEQLKSSGFSTAEIR					Mascot
2082.0349	2082.0354	0.0005	0	453	471	GISGYSDTQEELERVSAI K					Mascot
2082.0349	2082.0354	0.0005	0	453	471	GISGYSDTQEELERVSAI K					Mascot
2225.0879	2225.0808	-0.0071	-3	563	579	YHHINCEREIIESQIQR			Carbamidomethyl (C)[6]		Mascot
2225.0879	2225.0808	-0.0071	-3	563	579	YHHINCEREIIESQIQR			Carbamidomethyl (C)[6]		Mascot
2233.1646	2233.0476	-0.117	-52	291	310	VVQYLQKVASEPAMGQA ELR			Oxidation (M)[14]		Mascot
2283.1914	2283.1389	-0.0525	-23	650	670	QCYLKAQSQAPIGHVIQD VGK					Mascot

30	truncated SH3 binding domain protein 4 [Danio rerio]				gi 33438222		84564.4	8.75	11	33	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5822	842.496	-0.0862	-102	634	640	LIKTVIR					Mascot
850.4338	850.5283	0.0945	111	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.525	0.0524	60	1	7	MAAHRIR			Oxidation (M)[1]		Mascot
1318.5984	1318.6866	0.0882	67	66	76	DYCPSSF TTK			Carbamidomethyl (C)[3]		Mascot
1671.806	1671.7439	-0.0621	-37	432	445	HVSFSSNVWNHMK					Mascot
2081.0188	2081.0435	0.0247	12	373	390	VSVMTRTESPMAEIVCVR			Carbamidomethyl (C)[16], Oxidation (M)[4]		Mascot
2228.9282	2228.908	-0.0202	-9	117	138	NSSLSDSGMIDNLGDCS EEGAK					Mascot
2261.1648	2260.9285	-0.2363	-105	456	475	HIHPSFKTVVAIFGHDC			Carbamidomethyl (C)[17]		Mascot

		2284.2368	2284.1343	-0.1025	-45	463	484	PK TVVAIFGHDCAPKTLVSEVGK								Mascot
		2300.0686	2300.1372	0.0686	30	568	587	DDQDCILAQFCVQTPQP PPK	Carbamidomethyl (C)[5]							Mascot
		3337.6052	3337.7021	0.0969	29	269	298	LARSCHDLESLGQNPGW GQTQPVETNIVCK	Carbamidomethyl (C)[5]							Mascot
31	Znf12a protein [Danio rerio]						gi 62204424	34966.8	6.39	6	33	0	17	0		
Peptide Information																
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type	
		936.5261	936.4772	-0.0489	-52	133	140	APLTEHLR								Mascot
		1045.4077	1045.5464	0.1387	133	175	183	AYSCQCEGK				Carbamidomethyl (C)[4]				Mascot
		1165.6688	1165.7242	0.0554	48	131	140	TKAPLTEHLR								Mascot
		1649.741	1649.7625	0.0215	13	175	188	AYSCQCEGKSFTLR	17	0		Carbamidomethyl (C)[4]				Mascot
		1649.741	1649.7625	0.0215	13	175	188	AYSCQCEGKSFTLR				Carbamidomethyl (C)[4]				Mascot
		1698.7727	1698.8284	0.0557	33	113	127	IHTGETPFSCRYCGK								Mascot
		2269.1943	2268.8979	-0.2964	-131	201	220	HKPLLCSVCGKGFNSPV QLK				Carbamidomethyl (C)[6,9]				Mascot
32	hydroxysteroid dehydrogenase-like protein 2 [Danio rerio]						gi 41054573	44391.8	7.08	8	33	0				
Peptide Information																
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type	
		807.4028	807.3842	-0.0186	-23	1	7	MLQNTGK				Oxidation (M)[1]				Mascot
		870.577	870.525	-0.052	-60	21	29	GIGKAIALK								Mascot
		936.5699	936.4772	-0.0927	-99	135	142	LCIPHLLK								Mascot
		1226.6272	1226.5967	-0.0305	-25	381	391	LKPTMAFMSGK				Oxidation (M)[5]				Mascot
		1242.6221	1242.5913	-0.0308	-25	381	391	LKPTMAFMSGK				Oxidation (M)[5,8]				Mascot
		1243.7191	1243.62	-0.0991	-80	117	127	KADLMLGINLR	4	0						Mascot
		1243.7191	1243.62	-0.0991	-80	117	127	KADLMLGINLR								Mascot
		1259.714	1259.6196	-0.0944	-75	117	127	KADLMLGINLR	3	0		Oxidation (M)[5]				Mascot
		1259.714	1259.6196	-0.0944	-75	117	127	KADLMLGINLR				Oxidation (M)[5]				Mascot
		1457.7345	1457.7629	0.0284	19	221	233	VEIMADAAYAIFK				Oxidation (M)[4]				Mascot
		1739.726	1739.8994	0.1734	100	173	187	YGMSMCVLGMAEEFR				Oxidation (M)[3]				Mascot
		2082.0835	2082.0354	-0.0481	-23	1	20	MLQNTGKLAGCTIFITGA SR								Mascot
		2082.0835	2082.0354	-0.0481	-23	1	20	MLQNTGKLAGCTIFITGA SR								Mascot
33	hypothetical protein LOC561983 [Danio rerio]						gi 194579011	84504.1	9.41	11	33	0				

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank Result Type	
819.4107	819.406	-0.0047	-6	462	469	AFAPGSNR			Mascot	
850.5032	850.5283	0.0251	30	275	282	LELPPPGK			Mascot	
936.4897	936.4772	-0.0125	-13	374	381	GVYANKER			Mascot	
1318.6243	1318.6866	0.0623	47	532	542	QSMMQSKPEPR			Mascot	
1784.9038	1784.8805	-0.0233	-13	511	528	QGSPTRPPSGGTGVSPF R			Mascot	
1969.9324	1970.0437	0.1113	56	172	187	QHLDNQEVYTSLYTMK			Mascot	
2156.1221	2155.9097	-0.2124	-99	133	151	LLSGQRHTMHGFFVPGF PK			Mascot	
2156.1221	2155.9097	-0.2124	-99	133	151	LLSGQRHTMHGFFVPGF PK			Mascot	
2211.1113	2211.0679	-0.0434	-20	170	187	LKQHLDNQEVYTSLYTM K			Mascot	
2225.1084	2225.0808	-0.0276	-12	614	634	VAPAEISSQIDSAGEGVY YLR			Mascot	
2225.1084	2225.0808	-0.0276	-12	614	634	VAPAEISSQIDSAGEGVY YLR			Mascot	
2261.0503	2260.9285	-0.1218	-54	584	603	GSSNPSPKTMNNSYL TYR		Oxidation (M)[12]	Mascot	
2627.4153	2627.3286	-0.0867	-33	205	226	IWDIYILEGERVLTAMSYT ILK			Mascot	
34	nitrogen fixation cluster-like [Danio rerio]			gi 221307563		17420.2	8.83	6	33	0
Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank Result Type	
819.4756	819.406	-0.0696	-85	1	8	MAASLAKK			Mascot	
882.5294	882.5526	0.0232	26	122	129	ELSLPPVK			Mascot	
1045.5636	1045.5464	-0.0172	-16	42	51	NVGSLDKNAK			Mascot	
1739.9836	1739.8994	-0.0842	-48	9	24	CAAPQILKTL SAPTLR		Carbamidomethyl (C)[1]	Mascot	
2194.1611	2194.041	-0.1201	-55	122	141	ELSLPPVKLHCSMLAEDA IK			Mascot	
2247.1113	2246.9182	-0.1931	-86	84	104	FKTFGCGSAIASSSLATE WVK		Carbamidomethyl (C)[6]	Mascot	
2247.1113	2246.9182	-0.1931	-86	84	104	FKTFGCGSAIASSSLATE WVK		Carbamidomethyl (C)[6]	Mascot	
35	protein phosphatase 6, regulatory subunit 3 [Danio rerio]			gi 41054419		45739.5	4.79	8	33	0
Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank Result Type	
870.577	870.525	-0.052	-60	127	134	VLSILIGR			Mascot	

	1265.6559	1265.6768	0.0209	17	146	155	REDFVDLMIK									Mascot
	1457.7166	1457.7629	0.0463	32	208	220	HSNASQSLCEIIR									Mascot
	1464.8209	1464.8146	-0.0063	-4	315	326	DFHQLLLEPPKK									Mascot
	1464.8209	1464.8146	-0.0063	-4	315	326	DFHQLLLEPPKK									Mascot
	1547.7006	1547.7916	0.091	59	195	207	LVDMVQPSQDEDR				Oxidation (M)[4]					Mascot
	2194.0444	2194.041	-0.0034	-2	77	95	YPNISCELLTSDVGQIND R				Carbamidomethyl (C)[6]					Mascot
	2210.968	2211.0679	0.0999	45	20	38	DDVTLTEVMDEEDVLQE CK									Mascot
	2283.9844	2284.1343	0.1499	66	20	38	DDVTLTEVMDEEDVLQE CK				Carbamidomethyl (C)[18], Oxidation (M)[9]					Mascot
	2403.3494	2403.0271	-0.3223	-134	259	279	EKNESAIVSVIQILLTFET R									Mascot

36 PREDICTED: hypothetical protein LOC100538139 [Danio rerio] gi|326676603 9036.6 9.13 4 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
816.4362	816.4921	0.0559	68	41	46	EKHFQK					Mascot
1871.7938	1871.9116	0.1178	63	5	19	CSSSQELYFYMLDNR			Oxidation (M)[11]		Mascot
2146.9573	2146.8823	-0.075	-35	5	21	CSSSQELYFYMLDNRYK					Mascot
2269.0376	2268.8979	-0.1397	-62	2	19	TVRCSSSQELYFYMLDN R			Carbamidomethyl (C)[4]		Mascot

37 PREDICTED: histone acetyltransferase KAT2A [Danio rerio] gi|189516875 90565.6 9.09 12 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
922.4992	922.448	-0.0512	-56	583	590	QGFSKDIK					Mascot
1212.6445	1212.6027	-0.0418	-34	646	655	KVYPGLTCFK			Carbamidomethyl (C)[8]		Mascot
1212.6445	1212.6027	-0.0418	-34	646	655	KVYPGLTCFK			Carbamidomethyl (C)[8]		Mascot
1543.7937	1543.7686	-0.0251	-16	271	283	YETCQVFGRSLLK					Mascot
1591.84	1591.7557	-0.0843	-53	684	696	ELKDPDLLYNMLK					Mascot
1649.9332	1649.7625	-0.1707	-103	656	670	EGVRQIPVESIPGIR					Mascot
1649.9332	1649.7625	-0.1707	-103	656	670	EGVRQIPVESIPGIR					Mascot
1698.8308	1698.8284	-0.0024	-1	704	717	THPDAWPFMEPVKK			Oxidation (M)[9]		Mascot
1752.8217	1752.8356	0.0139	8	408	422	VMGDIPMELVNEVMK			Oxidation (M)[2,7,14]		Mascot
2233.1194	2233.0476	-0.0718	-32	368	391	GSSASALGVTGLDVASS EPTIGEK					Mascot
2284.1323	2284.1343	0.002	1	563	581	HGILYFLTYADEYAIGYFK					Mascot
2389.2205	2389.1238	-0.0967	-40	368	392	GSSASALGVTGLDVASS					Mascot

		2389.2205	2389.1238	-0.0967	-40	368	392	EPTIGEKRR GSSASALGVTGLDVASS EPTIGEKRR								Mascot
		2627.2664	2627.3286	0.0622	24	85	108	NPNPPTAARMELQQQAA SLTETCR								Mascot
		3337.6416	3337.7021	0.0605	18	517	546	VIGGICFRMFPTQGFEIV FCAVTSNEQVK	Oxidation (M)[9]							Mascot
38	zf-FKH2=fork head gene product {forkhead domain, internal fragment} [zebrafishes, gastrula/early ne						gi 1245780	7620.9	9.69	4	32	0				
Peptide Information																
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	% Modification		Rank	Result	Type
		1457.7356	1457.7629	0.0273	19	40	50	QNQQRWQNSIR								Mascot
		1591.8591	1591.7557	-0.1034	-65	21	32	RLTLNEIYDWIR								Mascot
		2254.1611	2253.9939	-0.1672	-74	1	20	KPPYSYISLICMAIQQSPA K	Oxidation (M)[12]							Mascot
		2403.2495	2403.0271	-0.2224	-93	22	39	LTLNEIYDWIRQLFPYYR								Mascot
39	Gcat protein [Danio rerio]						gi 33604132	46995.1	7.24	8	31	0				
Peptide Information																
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	% Modification		Rank	Result	Type
		936.4686	936.4772	0.0086	9	10	18	TAAWGFGAR								Mascot
		1243.5624	1243.62	0.0576	46	195	204	HMDLNDLEEK								Mascot
		1243.5624	1243.62	0.0576	46	195	204	HMDLNDLEEK								Mascot
		1259.5573	1259.6196	0.0623	49	195	204	HMDLNDLEEK	Oxidation (M)[2]							Mascot
		1259.5573	1259.6196	0.0623	49	195	204	HMDLNDLEEK	Oxidation (M)[2]							Mascot
		1753.9014	1753.8267	-0.0747	-43	66	81	VITSKQGPHICVDGSR	Carbamidomethyl (C)[11]							Mascot
		2052.0332	2052.0659	0.0327	16	112	130	YGAGLSSVRFCIGTQDIH K								Mascot
		2247.1836	2246.9182	-0.2654	-118	326	346	AVELLASNEIAQSMAAK TMR								Mascot
		2247.1836	2246.9182	-0.2654	-118	326	346	AVELLASNEIAQSMAAK TMR								Mascot
		2261.1804	2260.9285	-0.2519	-111	262	282	GTDELLGVMDRVQIVNST LGK	Oxidation (M)[9]							Mascot
		2283.198	2283.1389	-0.0591	-26	35	56	AFAPAAPQAVQSVLEAEL DSIR								Mascot
		2284.2771	2284.1343	-0.1428	-63	283	305	ALGGAAGGYTVGPTALIE LLRQR								Mascot
40	SH3 domain-binding protein 4-A [Danio rerio]						gi 45387913	104947.5	7.73	12	31	0				
Peptide Information																
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	% Modification		Rank	Result	Type

	842.5822	842.496	-0.0862	-102	634	640	LIKTVIR										Mascot
	850.4338	850.5283	0.0945	111	358	364	LSNMEIK						Oxidation (M)[4]				Mascot
	870.4726	870.525	0.0524	60	1	7	MAHRIR						Oxidation (M)[1]				Mascot
	1045.4796	1045.5464	0.0668	64	762	770	AELDSEPER										Mascot
	1318.5984	1318.6866	0.0882	67	66	76	DYCPSSFTTLK						Carbamidomethyl (C)[3]				Mascot
	1671.806	1671.7439	-0.0621	-37	432	445	HVSFSSNVWNHMK										Mascot
	2081.0188	2081.0435	0.0247	12	373	390	VSVMTRTSPMAEIVCVR						Carbamidomethyl (C)[16], Oxidation (M)[4]				Mascot
	2228.9282	2228.908	-0.0202	-9	117	138	NSSLSDSGMIDNLGDCS EEGAK										Mascot
	2261.1648	2260.9285	-0.2363	-105	456	475	HIHPSFKTVVAIFGHDCAPK						Carbamidomethyl (C)[17]				Mascot
	2284.2368	2284.1343	-0.1025	-45	463	484	TVVAIFGHDCAPKTLVSEVGK										Mascot
	2300.0686	2300.1372	0.0686	30	568	587	DDQDCILAQFCVQTPQP PPK						Carbamidomethyl (C)[5]				Mascot
	3337.6052	3337.7021	0.0969	29	269	298	LARSCHDLESLGQNPWG GQTQPVETNIVCK						Carbamidomethyl (C)[5]				Mascot
41	nuclear receptor corepressor 1 [Danio rerio]					gi 158517898	266607.5	8.47	22	31	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.4457	856.511	0.0653	76	1257	1263	MGHDLKR					Mascot
922.4992	922.448	-0.0512	-56	134	141	KESQFGVK					Mascot
936.6028	936.4772	-0.1256	-134	277	283	LILFFKR					Mascot
938.3884	938.4636	0.0752	80	1837	1844	DDEVMSRR					Mascot
1012.5574	1012.4557	-0.1017	-100	438	445	EKFVQHPK					Mascot
1243.5736	1243.62	0.0464	37	1263	1272	RTYDIMEGSR			Oxidation (M)[6]		Mascot
1243.5736	1243.62	0.0464	37	1263	1272	RTYDIMEGSR			Oxidation (M)[6]		Mascot
1265.5718	1265.6768	0.105	83	642	651	WTEEMEIAK					Mascot
1318.6385	1318.6866	0.0481	36	98	108	IENVSETHFSR					Mascot
1457.7343	1457.7629	0.0286	20	490	501	NQQITRPSQEEK					Mascot
1464.7363	1464.8146	0.0783	53	164	175	LSKEELIQSMDR			Oxidation (M)[10]		Mascot
1464.7363	1464.8146	0.0783	53	164	175	LSKEELIQSMDR			Oxidation (M)[10]		Mascot
1524.6747	1524.7633	0.0886	58	1461	1474	AQLSPGMYDDSNAR					Mascot
1547.7224	1547.7916	0.0692	45	1314	1327	ASTEVYDEASKYGK					Mascot
1649.7377	1649.7625	0.0248	15	672	684	SEAQCKNFYFNNK			Carbamidomethyl (C)[5]		Mascot
1649.7377	1649.7625	0.0248	15	672	684	SEAQCKNFYFNNK			Carbamidomethyl (C)[5]		Mascot
1739.9299	1739.8994	-0.0305	-18	1737	1752	GGPEQPVPRPGSRSFLR					Mascot
1752.8481	1752.8356	-0.0125	-7	403	417	VKFINMNGLMDDPMK					Mascot
1784.838	1784.8805	0.0425	24	403	417	VKFINMNGLMDDPMK			Oxidation (M)[6,10]		Mascot

	2081.0735	2081.0435	-0.03	-14	1441	1460	HTSVVNSTSVLRSTHAEA GK							Mascot
	2156.1558	2155.9097	-0.2461	-114	1182	1203	GGSTITQGTPALTQSNVAA ELLK							Mascot
	2156.1558	2155.9097	-0.2461	-114	1182	1203	GGSTITQGTPALTQSNVAA ELLK							Mascot
	2225.0513	2225.0808	0.0295	13	384	401	QMRQLSVIPPMYDSEQ R					Oxidation (M)[2]		Mascot
	2225.0513	2225.0808	0.0295	13	384	401	QMRQLSVIPPMYDSEQ R					Oxidation (M)[2]		Mascot
	2233.1836	2233.0476	-0.136	-61	54	72	RPSLLSEFHPGTERPPER K							Mascot
	2261.1897	2260.9285	-0.2612	-116	53	71	RRPSLLSEFHPGTERPPE R							Mascot
	2284.0549	2284.1343	0.0794	35	2115	2135	GRGLESYEPISPPQGYS GMDK					Oxidation (M)[19]		Mascot
	2300.0525	2300.1372	0.0847	37	364	383	SEHEISEIIDGLSEQENNE K							Mascot
42	Gimap9 protein [Danio rerio]				gi 82524311		28897.6	8.05	7	30	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1259.5759	1259.6196	0.0437	35	181	191	IDSMKGCYTNK					Mascot
	1259.5759	1259.6196	0.0437	35	181	191	IDSMKGCYTNK					Mascot
	1265.5956	1265.6768	0.0812	64	157	166	CRGYHVFNNR					Mascot
	1464.7904	1464.8146	0.0242	17	36	49	KSLSAVTNTSSIEK					Mascot
	1464.7904	1464.8146	0.0242	17	36	49	KSLSAVTNTSSIEK					Mascot
	1591.7723	1591.7557	-0.0166	-10	159	171	GYHVFNNRSLNDR					Mascot
	2052.0696	2052.0659	-0.0037	-2	121	137	VLKHVILFTHGDECDR			Carbamidomethyl (C)[15]		Mascot
	2211.1597	2211.0679	-0.0918	-42	82	101	SVYLSASGVHAFLFVVPF DR					Mascot
	2403.1301	2403.0271	-0.103	-43	192	209	MYEYAHNLNIFEWLWEKC K					Mascot

43 novel NACHT domain containing protein [Danio rerio] gi|157886380 77579.9 6.27 10 30 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	808.4352	808.3995	-0.0357	-44	496	501	QSLWFK					Mascot
	936.5301	936.4772	-0.0529	-56	495	501	KQSLWFK					Mascot
	938.4135	938.4636	0.0501	53	226	233	EMEISSDK					Mascot
	1243.7368	1243.62	-0.1168	-94	166	178	GVAGIGKTVSVQK					Mascot
	1243.7368	1243.62	-0.1168	-94	166	178	GVAGIGKTVSVQK					Mascot
	1318.6559	1318.6866	0.0307	23	363	374	MLSEAETAEIPK					Mascot

	1970.0665	1970.0437	-0.0228	-12	324	341	ISDQSLANTIISHLKSSR										Mascot
	2081.1099	2081.0435	-0.0664	-32	375	391	TLTQMYTHFLILQTNIK					Oxidation (M)[5]					Mascot
	2096.0593	2095.99	-0.0693	-33	587	604	SINLFHCLNELGDHSLVK					Carbamidomethyl (C)[7]					Mascot
	2225.2839	2225.0808	-0.2031	-91	541	559	FLLGLSVESHQILLQRLM K										Mascot
	2225.2839	2225.0808	-0.2031	-91	541	559	FLLGLSVESHQILLQRLM K										Mascot
	2261.0576	2260.9285	-0.1291	-57	431	451	ECGIDVAEASVYSGLCTQ IFR										Mascot
44	RecName: Full=SH3 domain-binding protein 4-A				gi 123888628		108383	7.89	13	30	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	842.5822	842.496	-0.0862	-102	663	669	LIKTVIR					Mascot
	850.4338	850.5283	0.0945	111	387	393	LSNMEIK			Oxidation (M)[4]		Mascot
	870.4726	870.525	0.0524	60	1	7	MAAHRIR			Oxidation (M)[1]		Mascot
	1045.4796	1045.5464	0.0668	64	791	799	AELDSEPER					Mascot
	1318.5984	1318.6866	0.0882	67	66	76	DYCPSSFTTLK			Carbamidomethyl (C)[3]		Mascot
	1671.806	1671.7439	-0.0621	-37	461	474	HVSFSSNVWNHMK					Mascot
	1969.9578	1970.0437	0.0859	44	825	841	ELMMALLKMDQCGLVAR			Oxidation (M)[3,4,9]		Mascot
	2081.0188	2081.0435	0.0247	12	402	419	VSMVTRTESPMAEIVCVR			Carbamidomethyl (C)[16], Oxidation (M)[4]		Mascot
	2228.9282	2228.908	-0.0202	-9	117	138	NSSLSDSGMIDNLGDCS EEGAK					Mascot
	2261.1648	2260.9285	-0.2363	-105	485	504	HIHPSFKTVVAIFGHDCAPK			Carbamidomethyl (C)[17]		Mascot
	2284.2368	2284.1343	-0.1025	-45	492	513	TVVAIFGHDCAPKTLTLLVS EVGK					Mascot
	2300.0686	2300.1372	0.0686	30	597	616	DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5]		Mascot
	3337.6052	3337.7021	0.0969	29	298	327	LARSCHDLESLGQNPGW GQTQPVETNIVCK			Carbamidomethyl (C)[5]		Mascot

45 follistatin-like 1b [Danio rerio] gi|88900441 35185.6 5.16 8 30 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	808.3617	808.3995	0.0378	47	63	70	SVCGSNGK			Carbamidomethyl (C)[3]		Mascot
	870.4315	870.525	0.0935	107	296	302	HQETVEK					Mascot
	1524.8016	1524.7633	-0.0383	-25	290	302	VAELNKHQETVEK					Mascot
	2225.0947	2225.0808	-0.0139	-6	212	230	LSFDEFNLNCLKPGFSPPE K			Carbamidomethyl (C)[9]		Mascot
	2225.0947	2225.0808	-0.0139	-6	212	230	LSFDEFNLNCLKPGFSPPE K			Carbamidomethyl (C)[9]		Mascot
	2253.9607	2253.9939	0.0332	15	40	58	ECAVNEKGEPSCLCIEQC			Carbamidomethyl (C)[2,12,14]		Mascot

	2299.9661	2300.1372	0.1711	74	270	288	K TPVFDTEGDQEMTEEEW TR										Mascot
	2388.9553	2389.1238	0.1685	71	232	251	CALEDETYEDGAETQVE CNR	Carbamidomethyl (C)[1,18]									Mascot
	2388.9553	2389.1238	0.1685	71	232	251	CALEDETYEDGAETQVE CNR	Carbamidomethyl (C)[1,18]									Mascot
	2403.0076	2403.0271	0.0195	8	231	251	KCALEDETYEDGAETQV ECNR										Mascot

46 novel protein similar to vertebrate thyrotropin-releasing hormone degrading ectoenzyme (TRHDE) [Dan gi|169145900 102887 6.58 12 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
819.4147	819.406	-0.0087	-11	179	184	FHYQPK						Mascot
850.4669	850.5283	0.0614	72	752	758	ALYQLDK						Mascot
1165.6398	1165.7242	0.0844	72	194	202	EMKPLRTYK						Mascot
1212.579	1212.6027	0.0237	20	221	230	SSYMLNGERR						Mascot
1212.579	1212.6027	0.0237	20	221	230	SSYMLNGERR						Mascot
1457.7134	1457.7629	0.0495	34	244	255	KAFPCFDEPIYK						Mascot
1524.7661	1524.7633	-0.0028	-2	528	540	MLANVMGQTLFQR				Oxidation (M)[1]		Mascot
1547.8064	1547.7916	-0.0148	-10	824	837	QAVSLISDWISSNK						Mascot
1591.8518	1591.7557	-0.0961	-60	346	357	LLQFYQDYFKVK						Mascot
1698.8922	1698.8284	-0.0638	-38	13	27	ALSDQWADSVVVRPR						Mascot
1969.9912	1970.0437	0.0525	27	510	527	LYLHDGNDCKPGGAALIR				Carbamidomethyl (C)[9]		Mascot
2081.0344	2081.0435	0.0091	4	820	837	HCHRQAVSLISDWISSNK						Mascot
2147.113	2146.8823	-0.2307	-107	763	780	TLDHSLFSDYVLRQVEPK						Mascot

47 PREDICTED: BAI1-associated protein 3-like [Danio rerio] gi|326666171 105052.3 6.11 10 30 0 14 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1045.6	1045.5464	-0.0536	-51	34	43	SSVKEVLAGR						Mascot
1457.8032	1457.7629	-0.0403	-28	353	366	LVVVVDAVCADVQK						Mascot
1464.7456	1464.8146	0.069	47	449	460	MLALTGFHNWFK						Mascot
1464.7456	1464.8146	0.069	47	449	460	MLALTGFHNWFK						Mascot
1591.8049	1591.7557	-0.0492	-31	531	543	VYLGGLPREMDWR						Mascot
1649.7986	1649.7625	-0.0361	-22	169	183	DTAMSKMASNVTIHK	14	0		Oxidation (M)[4]		Mascot
1649.7986	1649.7625	-0.0361	-22	169	183	DTAMSKMASNVTIHK				Oxidation (M)[4]		Mascot

	2155.9868	2155.9097	-0.0771	-36	309	326	CELMLRSVGHMQSMAAF R					Carbamidomethyl (C)[1], Oxidation (M)[4,11]	Mascot
	2155.9868	2155.9097	-0.0771	-36	309	326	CELMLRSVGHMQSMAAF R					Carbamidomethyl (C)[1], Oxidation (M)[4,11]	Mascot
	2194.093	2194.041	-0.052	-24	296	314	QVFPCNNSAAIIRCELML R					Oxidation (M)[17]	Mascot
	2254.1025	2253.9939	-0.1086	-48	681	700	FFHADGEGLLLEDLKSGD YK						Mascot
	2261.1958	2260.9285	-0.2673	-118	353	373	LVVVVDAVCADVQKGQN VYNK						Mascot
	2283.9678	2284.1343	0.1665	73	539	558	EMDWRGVEQAMEESCG LEGK						Mascot
	2299.9626	2300.1372	0.1746	76	539	558	EMDWRGVEQAMEESCG LEGK					Oxidation (M)[2]	Mascot

48

PREDICTED: rho guanine nucleotide exchange factor 15 [Danio rerio]

gi|125831156

99248.4

6.04

12

30

0

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
862.3974	862.4878	0.0904	105	430	436	LSPEECK				Carbamidomethyl (C)[6]		Mascot
922.4515	922.448	-0.0035	-4	147	154	EEPVSFSK						Mascot
1226.6237	1226.5967	-0.027	-22	327	337	SGSNENIRPPR						Mascot
1242.5208	1242.5913	0.0705	57	811	820	TNEGWYEGMR						Mascot
1649.6586	1649.7625	0.1039	63	93	106	NCGCMCHQQRPGMK				Carbamidomethyl (C)[2]		Mascot
1649.6586	1649.7625	0.1039	63	93	106	NCGCMCHQQRPGMK				Carbamidomethyl (C)[2]		Mascot
1969.9246	1970.0437	0.1191	60	626	641	QMEELIQINGMLEFDK				Oxidation (M)[2,11]		Mascot
2156.1821	2155.9097	-0.2724	-126	657	676	QGEVLEVNKGGTFLGNL RPK						Mascot
2156.1821	2155.9097	-0.2724	-126	657	676	QGEVLEVNKGGTFLGNL RPK						Mascot
2211.1035	2211.0679	-0.0356	-16	626	643	QMEELIQINGMLEFDKLIK				Oxidation (M)[2,11]		Mascot
2229.0601	2228.908	-0.1521	-68	624	641	MKQMEELIQINGMLEFDK				Oxidation (M)[1,4]		Mascot
2254.325	2253.9939	-0.3311	-147	677	695	FTPVYLFLFNDLLVIAIKK						Mascot
2283.2715	2283.1389	-0.1326	-58	259	279	CPQIILPPSLARPASPLMP PK				Carbamidomethyl (C)[1]		Mascot
2299.2664	2299.1426	-0.1238	-54	259	279	CPQIILPPSLARPASPLMP PK				Carbamidomethyl (C)[1], Oxidation (M)[18]		Mascot
2300.1074	2300.1372	0.0298	13	376	396	NISKTSADFQMSSQITTS PEK						Mascot

49

serine/arginine-rich splicing factor 7 [Danio rerio]

gi|71834670

20442.3

9.87

1

17

0

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1649.9738	1649.7625	-0.2113	-128	133	145	LIQRVTILYDFLR	17		0		2	Mascot

50

transmembrane protein 68 [Danio rerio]

gi|41053784

37982.1

7.21

1

16

0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1212.6947	1212.6027	-0.092	-76	298	308 VQQAVQALIDK	16	0		2	Mascot
Gel Idx/Pos 241/J17					Instr./Gel Origin BA2060/110707A			Process Status Analysis Succeeded		
Plate [#] Name [1] 31496					Instrument Sample Name			Spectra 11		
Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %	
1	peroxiredoxin-4 [Danio rerio]	gi 148226847	29083.8	6.3	13	565	100	466	100	
Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
819.4207	819.4066	-0.0141	-17	213	219 SVDETLR					Mascot
862.5032	862.4886	-0.0146	-17	190	197 GLFIIDGK					Mascot
1212.6259	1212.605	-0.0209	-17	220	229 LVQAFQYTDK					Mascot
1212.6259	1212.605	-0.0209	-17	220	229 LVQAFQYTDK	57	99.942			Mascot
1243.6464	1243.624	-0.0224	-18	202	212 QITMNDLPVGR					Mascot
1243.6464	1243.624	-0.0224	-18	202	212 QITMNDLPVGR	48	99.549			Mascot
1259.6412	1259.6215	-0.0197	-16	202	212 QITMNDLPVGR			Oxidation (M)[4]		Mascot
1259.6412	1259.6215	-0.0197	-16	202	212 QITMNDLPVGR	43	98.542	Oxidation (M)[4]		Mascot
1318.7114	1318.6877	-0.0237	-18	56	67 VPVSDHSLHLSK					Mascot
1464.842	1464.8177	-0.0243	-17	163	175 IPLLSDLTHQISK					Mascot
1649.7917	1649.7689	-0.0228	-14	176	189 DYGVFLEDQGHTLR	127	100			Mascot
1649.7917	1649.7689	-0.0228	-14	176	189 DYGVFLEDQGHTLR					Mascot
2081.0813	2081.0522	-0.0291	-14	70	88 ISKPAPHWEGTAVINGEF K					Mascot
2233.2373	2233.0503	-0.187	-84	155	175 QGGLGPMKIPLLSDLTHQ ISK					Mascot
2246.9558	2246.9255	-0.0303	-13	37	55 EQECYNYAGGHVYPGEA FR	125	100	Carbamidomethyl (C)[4]		Mascot
2246.9558	2246.9255	-0.0303	-13	37	55 EQECYNYAGGHVYPGEA FR			Carbamidomethyl (C)[4]		Mascot
2389.1604	2389.135	-0.0254	-11	230	252 HGEVCPAGWKPGSDTIIP DPAGK	109	100	Carbamidomethyl (C)[5]		Mascot
2389.1604	2389.135	-0.0254	-11	230	252 HGEVCPAGWKPGSDTIIP DPAGK			Carbamidomethyl (C)[5]		Mascot
2403.0571	2403.1072	0.0501	21	36	55 REQECYNYAGGHVYPGE AFR			Carbamidomethyl (C)[5]		Mascot
3439.6851	3439.6467	-0.0384	-11	124	153 VHEFQAINAEVVACSVDS QFTHLAWINTPR			Carbamidomethyl (C)[14]		Mascot

2 Gcat protein [Danio rerio] gi|33604132 46995.1 7.24 10 46 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
936.4686	936.4787	0.0101	11	10	18	TAAWGFGAR					Mascot
964.5131	964.511	-0.0021	-2	2	9	LLSEMSLR			Oxidation (M)[5]		Mascot
1243.5624	1243.624	0.0616	50	195	204	HMDLNDLEEK					Mascot
1243.5624	1243.624	0.0616	50	195	204	HMDLNDLEEK					Mascot
1259.5573	1259.6215	0.0642	51	195	204	HMDLNDLEEK			Oxidation (M)[2]		Mascot
1259.5573	1259.6215	0.0642	51	195	204	HMDLNDLEEK			Oxidation (M)[2]		Mascot
1753.9014	1753.8351	-0.0663	-38	66	81	VITSKQGPHICVDGSR			Carbamidomethyl (C)[11]		Mascot
2000.1174	1999.9331	-0.1843	-92	283	303	ALGGAAGGYTVGPTALIE LLR					Mascot
2052.0332	2052.0703	0.0371	18	112	130	YGAGLSSVRFCGTQDIH K					Mascot
2247.1836	2246.9255	-0.2581	-115	326	346	AVELLASNEIAQSMAAK TMR					Mascot
2247.1836	2246.9255	-0.2581	-115	326	346	AVELLASNEIAQSMAAK TMR					Mascot
2261.1804	2260.938	-0.2424	-107	262	282	GTDELLGVMDRVQIVNST LGK			Oxidation (M)[9]		Mascot
2261.1804	2260.938	-0.2424	-107	262	282	GTDELLGVMDRVQIVNST LGK			Oxidation (M)[9]		Mascot
2283.198	2283.1521	-0.0459	-20	35	56	AFAPAAPQAVQSVLEAEL DSIR					Mascot
2284.2771	2284.1467	-0.1304	-57	283	305	ALGGAAGGYTVGPTALIE LLRQR					Mascot

3 CLIP-associating protein 1 [Danio rerio] gi|169646251 168891.5 9.05 19 46 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
819.4094	819.4066	-0.0028	-3	328	334	EILSDDK					Mascot
848.4988	848.4784	-0.0204	-24	216	222	LVVIFSR					Mascot
964.488	964.511	0.023	24	779	787	ISASVNAMR			Oxidation (M)[8]		Mascot
1165.6801	1165.728	0.0479	41	1355	1364	DHTIRALALR					Mascot
1226.7831	1226.5995	-0.1836	-150	1319	1329	GALIELLKITR					Mascot
1243.6833	1243.624	-0.0593	-48	1117	1127	LWGWGVDGLLK					Mascot
1243.6833	1243.624	-0.0593	-48	1117	1127	LWGWGVDGLLK					Mascot
1318.6355	1318.6877	0.0522	40	738	749	IPRPSMSQGCSR					Mascot
1728.9126	1728.9053	-0.0073	-4	788	804	VLNTGTEVEAAVADALR					Mascot
1752.8295	1752.8441	0.0146	8	2	15	EPNMEYCLTQVLQK			Carbamidomethyl (C)[7]		Mascot
1753.8214	1753.8351	0.0137	8	118	131	IMEQSATPQYIWR			Oxidation (M)[2]		Mascot

	1851.9044	1851.9003	-0.0041	-2	21	36	LQMGPELIDYITDAEK		Oxidation (M)[3]	Mascot
	1871.0068	1870.9608	-0.046	-25	771	787	FGLIHQARISASVNAMR			Mascot
	2081.9265	2082.0439	0.1174	56	1073	1092	NSSNTSNSSPSNTMGRT PAR		Oxidation (M)[14]	Mascot
	2081.9265	2082.0439	0.1174	56	1073	1092	NSSNTSNSSPSNTMGRT PAR		Oxidation (M)[14]	Mascot
	2194.063	2194.103	0.04	18	2	19	EPNMEYCLTQVLQKDVA R		Carbamidomethyl (C)[7]	Mascot
	2225.207	2225.0933	-0.1137	-51	381	401	SQVVREACITLGHLSLL GNK			Mascot
	2225.207	2225.0933	-0.1137	-51	381	401	SQVVREACITLGHLSLL GNK			Mascot
	2284.0769	2284.1467	0.0698	31	1	19	MEPNMEYCLTQVLQKDV AR		Oxidation (M)[1]	Mascot
	2300.072	2300.1501	0.0781	34	1	19	MEPNMEYCLTQVLQKDV AR		Oxidation (M)[1,5]	Mascot
	2384.22	2383.9209	-0.2991	-125	145	167	EGVCLCLISTLNTYGAQG LTLSK			Mascot
	2403.0994	2403.1072	0.0078	3	843	863	QTEDVAEVLNHCASSNW SERK			Mascot
	3338.7485	3338.7375	-0.011	-3	50	80	MVDGIATSWVNSSNFKL ALLGMDLLSALVTR		Oxidation (M)[1]	Mascot
4	cytochrome b-245, beta polypeptide [Danio rerio]				gi 41055433	64447.8	8.43	11	44	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
862.4781	862.4886	0.0105	12	151	157	SYLNPIR					Mascot
882.4427	882.5541	0.1114	126	483	490	DAEAAHLR					Mascot
1318.7188	1318.6877	-0.0311	-24	530	542	VGVFLCGP TALGK			Carbamidomethyl (C)[6]		Mascot
1671.8021	1671.7496	-0.0525	-31	270	282	WVVGPMFLYV CER			Carbamidomethyl (C)[11], Oxidation (M)[6]		Mascot
1752.8262	1752.8441	0.0179	10	467	480	NMSDFLSYNIYLTR			Oxidation (M)[2]		Mascot
1753.8835	1753.8351	-0.0484	-28	73	87	NLLSFLRGS IQCCSR			Carbamidomethyl (C)[12]		Mascot
2233.1113	2233.0503	-0.061	-27	54	72	APAACLNFNCMLILLPVC R			Carbamidomethyl (C)[5,10,18]		Mascot
2389.157	2389.135	-0.022	-9	509	529	YGKPNWDNEFS LIASQH PGTK					Mascot
2389.157	2389.135	-0.022	-9	509	529	YGKPNWDNEFS LIASQH PGTK					Mascot
2501.228	2501.2166	-0.0114	-5	245	266	FEKWGQNVTDCPV IFA GNPPK			Carbamidomethyl (C)[11]		Mascot
3338.7507	3338.7375	-0.0132	-4	43	72	VILGHALSWARAPA ACLN FNCMLILLPVCR			Carbamidomethyl (C)[16], Oxidation (M)[22]		Mascot
3453.8403	3453.6616	-0.1787	-52	96	124	NITFHKL VAYMIAFHTAVH IAHLFNFER					Mascot

5 tudor domain-containing protein 3 [Danio rerio] gi|49227351 81728.7 9.03 13 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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		819.3591	819.4066	0.0475	58	474	480	NESQDAR									Mascot
		842.4227	842.4985	0.0758	90	711	718	GGDGQPRR									Mascot
		862.4305	862.4886	0.0581	67	529	536	FSTPADPK									Mascot
		1133.5334	1133.5918	0.0584	52	472	480	WKNESQDAR									Mascot
		1165.567	1165.728	0.161	138	529	538	FSTPADPKMR			Oxidation (M)[9]						Mascot
		1212.5531	1212.605	0.0519	43	568	577	DFQDEGQFVK									Mascot
		1212.5531	1212.605	0.0519	43	568	577	DFQDEGQFVK									Mascot
		1671.7207	1671.7496	0.0289	17	11	24	EGWYLTDEGIEECK									Mascot
		1728.7421	1728.9053	0.1632	94	11	24	EGWYLTDEGIEECK			Carbamidomethyl (C)[13]						Mascot
		1753.7883	1753.8351	0.0468	27	98	113	VQMTDGHTACTGLEFK			Oxidation (M)[3]						Mascot
		1851.96	1851.9003	-0.0597	-32	519	536	IQSNGPAPPKFSTPADPK									Mascot
		1870.9994	1870.9608	-0.0386	-21	331	347	ANQPRAAPVEQSRPPPR									Mascot
		2194.063	2194.103	0.04	18	98	117	VQMTDGHTACTGLEFKQ LSK									Mascot
		2211.0354	2211.0776	0.0422	19	95	113	MLRVQMTDGHTACTGLE FK			Carbamidomethyl (C)[13], Oxidation (M)[1]						Mascot
		2246.9758	2246.9255	-0.0503	-22	11	29	EGWYLTDEGIEECKSSS EK			Carbamidomethyl (C)[13]						Mascot
		2246.9758	2246.9255	-0.0503	-22	11	29	EGWYLTDEGIEECKSSS EK			Carbamidomethyl (C)[13]						Mascot
6	novel gene [Danio rerio]						gi 55962596	45409.6	7.22	9	40	0					
<div>Peptide Information</div>																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification		Rank	Result	Type
		842.5458	842.4985	-0.0473	-56	391	397	KLIDVVR									Mascot
		848.4471	848.4784	0.0313	37	334	341	EVGSSLTR									Mascot
		996.5109	996.5818	0.0709	71	136	143	LHIDQNEK									Mascot
		1212.6769	1212.605	-0.0719	-59	161	171	KIVGHSTMPVK					Oxidation (M)[8]				Mascot
		1212.6769	1212.605	-0.0719	-59	161	171	KIVGHSTMPVK					Oxidation (M)[8]				Mascot
		1243.6477	1243.624	-0.0237	-19	47	56	RFCAVHGIQR					Carbamidomethyl (C)[3]				Mascot
		1243.6477	1243.624	-0.0237	-19	47	56	RFCAVHGIQR					Carbamidomethyl (C)[3]				Mascot
		1852.001	1851.9003	-0.1007	-54	298	315	IPGIGVPNHLAHGGCPKK					Carbamidomethyl (C)[15]				Mascot
		1871.8778	1871.9338	0.056	30	144	160	MVMFGVTHVAAVDGYSR					Oxidation (M)[1,3]				Mascot
		1983.9779	1983.8622	-0.1157	-58	144	161	MVMFGVTHVAAVDGYSR K					Oxidation (M)[1]				Mascot
		1999.9728	1999.9331	-0.0397	-20	144	161	MVMFGVTHVAAVDGYSR K					Oxidation (M)[1,3]				Mascot
		2501.1587	2501.2166	0.0579	23	217	237	NNTERQPYCQTPSTNNHI VER									Mascot
7	Zgc:85662 protein [Danio rerio]						gi 32766594	58091.1	7.77	10	39	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1051.5419	1051.6981	0.1562	149	307	316	GGTLIQYDGK					Mascot
1279.8096	1279.7555	-0.0541	-42	317	327	LRLLEIAQVPK					Mascot
1318.6572	1318.6877	0.0305	23	393	404	CFDNALGINVPR					Mascot
1464.7693	1464.8177	0.0484	33	303	316	ADVKGGLTIQYDGK					Mascot
1514.8365	1514.7058	-0.1307	-86	80	92	FLQVKGPSVEWPK					Mascot
1671.8337	1671.7496	-0.0841	-50	93	106	INRPPEDSIQPYDK					Mascot
2156.0981	2155.917	-0.1811	-84	149	166	NENTFLDLTVQQIEHLNK					Mascot
2156.0981	2155.917	-0.1811	-84	149	166	NENTFLDLTVQQIEHLNK					Mascot
2403.1021	2403.1072	0.0051	2	167	187	TYNADVPLVLMNSFNTD EDTK			Oxidation (M)[11]		Mascot
2705.3259	2705.134	-0.1919	-71	412	436	TTSDLLVMSNLYSLDAG SLTMSEK			Oxidation (M)[9]		Mascot
3439.709	3439.6467	-0.0623	-18	454	483	VQEYITRFESIPDMLELD HLTVSGDVTFGK					Mascot

8 sorting nexin family member 27 [Danio rerio] gi|41054611 64121.8 5.8 11 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5094	842.4985	-0.0109	-13	121	127	QVVDLIR					Mascot
1212.6736	1212.605	-0.0686	-57	204	213	EFAILHQNLIK					Mascot
1212.6736	1212.605	-0.0686	-57	204	213	EFAILHQNLIK					Mascot
1226.6316	1226.5995	-0.0321	-26	214	223	REFANFAFPK					Mascot
1318.6613	1318.6877	0.0264	20	185	195	FVYVNVYMAGR					Mascot
2225.0283	2225.0933	0.065	29	24	47	NGSGMSAGTCAGGLVAT TVTSGPR			Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot
2225.0283	2225.0933	0.065	29	24	47	NGSGMSAGTCAGGLVAT TVTSGPR			Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot
2229.0757	2228.9175	-0.1582	-71	177	195	HVEQSGEKFVYVNYMA GR			Oxidation (M)[16]		Mascot
2232.8743	2233.0503	0.176	79	425	442	TCEGYNEITFPHCSCDSR			Carbamidomethyl (C)[2,13,15]		Mascot
2269.0989	2268.9099	-0.189	-83	1	23	MADVVEGDGTRSAAPSA IHSAAR					Mascot
2283.9321	2284.1467	0.2146	94	482	500	WDTDEEGMAFCFEYARG EK					Mascot
2299.927	2300.1501	0.2231	97	482	500	WDTDEEGMAFCFEYARG EK			Oxidation (M)[8]		Mascot
2388.9753	2389.135	0.1597	67	425	443	TCEGYNEITFPHCSCDSR R			Carbamidomethyl (C)[2,13,15]		Mascot
2388.9753	2389.135	0.1597	67	425	443	TCEGYNEITFPHCSCDSR R			Carbamidomethyl (C)[2,13,15]		Mascot
2403.3354	2403.1072	-0.2282	-95	106	127	ILEVNGVNVGATHKQVV DLIR					Mascot

9 UDP-glucose pyrophosphorylase 2 [Danio rerio] gi|47086583 54991.6 7.25 10 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1051.5419	1051.6981	0.1562	149	276	285	GGTLIQYDGK					Mascot
1279.8096	1279.7555	-0.0541	-42	286	296	LRLLEIAQVPK					Mascot
1318.6572	1318.6877	0.0305	23	362	373	CFDNALGINVPR					Mascot
1464.7693	1464.8177	0.0484	33	272	285	ADVKG GTLIQYDGK					Mascot
1514.8365	1514.7058	-0.1307	-86	49	61	FLQVKGPSVEWPK					Mascot
1671.8337	1671.7496	-0.0841	-50	62	75	INRPPEDSIQPYDK					Mascot
2156.0981	2155.917	-0.1811	-84	118	135	NENTFLDLTVQQIEHLNK					Mascot
2156.0981	2155.917	-0.1811	-84	118	135	NENTFLDLTVQQIEHLNK					Mascot
2403.1021	2403.1072	0.0051	2	136	156	TYNADVPLVLMNSFNTD EDTK			Oxidation (M)[11]		Mascot
2705.3259	2705.134	-0.1919	-71	381	405	TTSDLLLVMNSLYSLDAG SLTMSEK			Oxidation (M)[9]		Mascot
3439.709	3439.6467	-0.0623	-18	423	452	VQEYITRFESIPDMLELD HLTVSGDVTFGK					Mascot

10 hypothetical protein LOC493609 [Danio rerio] gi|56090176 25141.4 5.78 7 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1212.6597	1212.605	-0.0547	-45	77	86	QRHDGAFLIR					Mascot
1212.6597	1212.605	-0.0547	-45	77	86	QRHDGAFLIR					Mascot
1318.5779	1318.6877	0.1098	83	196	207	GACHGQTGMFPR			Carbamidomethyl (C)[3]		Mascot
1464.723	1464.8177	0.0947	65	125	136	FNSLNSLV DYHR					Mascot
1504.823	1504.7722	-0.0508	-34	137	149	STSVSRNQPIFLR					Mascot
1649.7693	1649.7689	-0.0004	0	7	20	YDFKATADELSFK					Mascot
1649.7693	1649.7689	-0.0004	0	7	20	YDFKATADELSFK					Mascot
2081.0007	2081.0522	0.0515	25	22	38	GEILKVLNEECDQNWYK					Mascot
2082.0364	2082.0439	0.0075	4	125	142	FNSLNSLV DYHRSTSVSR					Mascot
2082.0364	2082.0439	0.0075	4	125	142	FNSLNSLV DYHRSTSVSR					Mascot

11 novel protein similar to vertebrate cytoplasmic linker associated protein 1 (CLASP1) [Danio rerio] gi|159569348 164674.4 8.99 18 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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819.4094	819.4066	-0.0028	-3	326	332	EILSDDK				Mascot
848.4988	848.4784	-0.0204	-24	216	222	LNIVFSR				Mascot
964.488	964.511	0.023	24	771	779	ISASVNAMR		Oxidation (M)[8]		Mascot
1165.6801	1165.728	0.0479	41	1313	1322	DHTIRALALR				Mascot
1226.7831	1226.5995	-0.1836	-150	1277	1287	GALIELLKITR				Mascot
1243.6753	1243.624	-0.0513	-41	662	673	AKVVSQSQPGSR				Mascot
1243.6753	1243.624	-0.0513	-41	662	673	AKVVSQSQPGSR				Mascot
1318.6355	1318.6877	0.0522	40	730	741	IPRPSMSQGCSR				Mascot
1728.9126	1728.9053	-0.0073	-4	780	796	VLNTGTEVEAAVADALR				Mascot
1752.8295	1752.8441	0.0146	8	2	15	EPNMEYCLTQVLQK		Carbamidomethyl (C)[7]		Mascot
1753.8214	1753.8351	0.0137	8	118	131	IMEQSATPQYIWDR		Oxidation (M)[2]		Mascot
1851.9044	1851.9003	-0.0041	-2	21	36	LQMGPELIDYITDAEK		Oxidation (M)[3]		Mascot
1871.0068	1870.9608	-0.046	-25	763	779	FGLIHQARISASVNAMR				Mascot
2194.063	2194.103	0.04	18	2	19	EPNMEYCLTQVLQKDVA R		Carbamidomethyl (C)[7]		Mascot
2225.207	2225.0933	-0.1137	-51	379	399	SQVVREACITLGHLSLL GNK				Mascot
2225.207	2225.0933	-0.1137	-51	379	399	SQVVREACITLGHLSLL GNK				Mascot
2284.0769	2284.1467	0.0698	31	1	19	MEPNMEYCLTQVLQKDV AR		Oxidation (M)[1]		Mascot
2300.072	2300.1501	0.0781	34	1	19	MEPNMEYCLTQVLQKDV AR		Oxidation (M)[1,5]		Mascot
2384.22	2383.9209	-0.2991	-125	145	167	EGVCLCLISTLNTYGAQG LTLSK				Mascot
2403.0994	2403.1072	0.0078	3	835	855	QTEDVAEVLNHCASSNW SERK				Mascot
3338.7485	3338.7375	-0.011	-3	50	80	MVDGIATSWVNSSNFKL ALLGMDLLSALVTTR		Oxidation (M)[1]		Mascot

12 SH3 domain-binding protein 4-A [Danio rerio] gi|45387913 104947.5 7.73 13 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5822	842.4985	-0.0837	-99	634	640	LIKTVIR					Mascot
850.4338	850.5291	0.0953	112	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
964.5205	964.511	-0.0095	-10	796	803	ELMMALLK			Oxidation (M)[3]		Mascot
1045.4796	1045.5492	0.0696	67	762	770	AELDSEPER					Mascot
1318.5984	1318.6877	0.0893	68	66	76	DYCPSSFTTLK			Carbamidomethyl (C)[3]		Mascot
1671.806	1671.7496	-0.0564	-34	432	445	HVSFSSNVWNHMK					Mascot
2081.0188	2081.0522	0.0334	16	373	390	VSVMTRTESPMIEIVCVR			Carbamidomethyl (C)[16], Oxidation (M)[4]		Mascot
2228.9282	2228.9175	-0.0107	-5	117	138	NSSLSDSGMIDNLGDCS EEGAK					Mascot
2261.1648	2260.938	-0.2268	-100	456	475	HIHPSFKTVVAIFGHDC			Carbamidomethyl (C)[17]		Mascot

	2261.1648	2260.938	-0.2268	-100	456	475	PK HHPSFKTVVAIFGHDCA PK		Carbamidomethyl (C)[17]		Mascot
	2284.2368	2284.1467	-0.0901	-39	463	484	TVVAIFGHDCAPKTLVLS EVGK				Mascot
	2300.0686	2300.1501	0.0815	35	568	587	DDQDCILAQFCVQTPQP PPK		Carbamidomethyl (C)[5]		Mascot
	3337.6052	3337.7129	0.1077	32	269	298	LARSCHDLES LGQNPWG GQTQPVETNIVCK		Carbamidomethyl (C)[5]		Mascot
	3338.5496	3338.7375	0.1879	56	856	884	TGMVDSEAMWKPAYDFL LTWAAQIGDSYR		Oxidation (M)[3]		Mascot
13	hypothetical protein LOC100145413 [Xenopus (Silurana) tropicalis]					gi 187607099	39415.2	9.16	11	36	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	848.5239	848.4784	-0.0455	-54	325	332	FLLGLK				Mascot
	1649.7775	1649.7689	-0.0086	-5	141	155	IHTGEKPFCTQCGK				Mascot
	1649.7775	1649.7689	-0.0086	-5	141	155	IHTGEKPFCTQCGK				Mascot
	1752.8043	1752.8441	0.0398	23	225	239	VHTKEKPYSCSECGK		Carbamidomethyl (C)[10]		Mascot
	1753.84	1753.8351	-0.0049	-3	253	267	IHAGVKEYLCFECGK		Carbamidomethyl (C)[10]		Mascot
	1999.9952	1999.9331	-0.0621	-31	81	96	IHMRIHTGEKPYTCTR		Carbamidomethyl (C)[14]		Mascot
	2081.8911	2082.0439	0.1528	73	166	183	HMMIHTGEKPFCTCEG K		Oxidation (M)[2,3]		Mascot
	2081.8911	2082.0439	0.1528	73	166	183	HMMIHTGEKPFCTCEG K		Oxidation (M)[2,3]		Mascot
	2194.0559	2194.103	0.0471	21	259	276	EYLCFECGKTFITEVGLK		Carbamidomethyl (C)[4,7]		Mascot
	2211.1702	2211.0776	-0.0926	-42	184	202	SFIQLSTLNLHMRIHAGE K		Oxidation (M)[12]		Mascot
	2229.0427	2228.9175	-0.1252	-56	203	220	THICDQCSLTFYRASELK		Carbamidomethyl (C)[4,7]		Mascot
	2389.0342	2389.135	0.1008	42	278	296	QQMNHTGEKPYKCSHC NNR		Carbamidomethyl (C)[13,16]		Mascot
	2389.0342	2389.135	0.1008	42	278	296	QQMNHTGEKPYKCSHC NNR		Carbamidomethyl (C)[13,16]		Mascot
	2501.1548	2501.2166	0.0618	25	113	134	IHTGEKPYTCTQCGKSFG QSSK		Carbamidomethyl (C)[10,13]		Mascot

14	PREDICTED: thrombospondin-4-B-like, partial [Danio rerio]					gi 326668026	52577.5	5.21	9	35	0
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	882.5155	882.5541	0.0386	44	157	164	SLPQGPKR				Mascot
	964.4669	964.511	0.0441	46	329	337	CVNTAPGFR				Mascot
	1226.5834	1226.5995	0.0161	13	410	421	TAGPDVPPMDR				Mascot
	1242.5784	1242.5988	0.0204	16	410	421	TAGPDVPPMDR		Oxidation (M)[10]		Mascot

		1279.6173	1279.7555	0.1382	108	220	230	VEAGPMFELMR								Mascot
		1752.8109	1752.8441	0.0332	19	463	477	DTDIDAYPDDILKCR								Mascot
		1851.8047	1851.9003	0.0956	52	329	343	CVNTAPGFRCEQCPR				Carbamidomethyl (C)[1,10,13]				Mascot
		2052.0615	2052.0703	0.0088	4	47	64	AKNMDNVFILATLQMQSK								Mascot
		2081.9453	2082.0439	0.0986	47	274	292	KPSNCGPVGCFTQDLGV EK				Carbamidomethyl (C)[5]				Mascot
		2081.9453	2082.0439	0.0986	47	274	292	KPSNCGPVGCFTQDLGV EK				Carbamidomethyl (C)[5]				Mascot
		3338.502	3338.7375	0.2355	71	410	441	TAGPDVAPPMDRLCGNG QPNPCDINAECVVER								Mascot
15	PREDICTED: BAI1-associated protein 3-like [Danio rerio]						gi 326666171	105052.3	6.11	12	35	0	15	0		
		Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification			Rank	Result Type
		1045.6	1045.5492	-0.0508	-49	34	43 SSVKEVLAGR									Mascot
		1106.6093	1106.5433	-0.066	-60	440	448 EYLPLKDTK									Mascot
		1133.5626	1133.5918	0.0292	26	381	389 VDFFSISYR									Mascot
		1457.8032	1457.7727	-0.0305	-21	353	366 LVVVVDVACADVQK									Mascot
		1464.7456	1464.8177	0.0721	49	449	460 MLALTGFHNWFK									Mascot
		1514.8247	1514.7058	-0.1189	-78	353	366 LVVVVDVACADVQK					Carbamidomethyl (C)[9]				Mascot
		1649.7986	1649.7689	-0.0297	-18	169	183 DTAMSKMASNVTIHK		15		0	Oxidation (M)[4]				Mascot
		1649.7986	1649.7689	-0.0297	-18	169	183 DTAMSKMASNVTIHK					Oxidation (M)[4]				Mascot
		1870.7954	1870.9608	0.1654	88	282	295 LYCDYCLSQMKSMR					Carbamidomethyl (C)[3,6], Oxidation (M)[10]				Mascot
		1983.8945	1983.8622	-0.0323	-16	315	332 SVGHMQSMAAFRAVCS NR					Oxidation (M)[5,8]				Mascot
		2155.9868	2155.917	-0.0698	-32	309	326 CELMLRSVGHMQSMAAF R					Carbamidomethyl (C)[1], Oxidation (M)[4,11]				Mascot
		2155.9868	2155.917	-0.0698	-32	309	326 CELMLRSVGHMQSMAAF R					Carbamidomethyl (C)[1], Oxidation (M)[4,11]				Mascot
		2194.093	2194.103	0.01	5	296	314 QVFPCNNSAIIRCELML R					Oxidation (M)[17]				Mascot
		2261.1958	2260.938	-0.2578	-114	353	373 LVVVVDVACADVQKGQN VYNK									Mascot
		2261.1958	2260.938	-0.2578	-114	353	373 LVVVVDVACADVQKGQN VYNK									Mascot
		2283.9678	2284.1467	0.1789	78	539	558 EMDWRGVEQAMEESCG LEGK									Mascot
		2299.9626	2300.1501	0.1875	82	539	558 EMDWRGVEQAMEESCG LEGK					Oxidation (M)[2]				Mascot

[illegible]

	2224.9607	2225.0933	0.1326	60	230	249	EGQVCELRCCTVYMGTYGR						Mascot
	2224.9607	2225.0933	0.1326	60	230	249	EGQVCELRCCTVYMGTYGR						Mascot
	2261.1152	2260.938	-0.1772	-78	87	106	VMDKINEMAEGITVIEAPER			Oxidation (M)[2]			Mascot
	2261.1152	2260.938	-0.1772	-78	87	106	VMDKINEMAEGITVIEAPER			Oxidation (M)[2]			Mascot
19	PREDICTED: interferon-induced protein 44 [Danio rerio] gi 125802987 33292.1 8.16 7 33 0												

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1045.6074	1045.5492	-0.0582	-56	204	213	GIAQVVMTK					Mascot
	1498.7649	1498.7151	-0.0498	-33	64	76	SSFINSINSVFQR					Mascot
	1504.8403	1504.7722	-0.0681	-45	200	213	ISDKGIAQVVMTK			Oxidation (M)[12]		Mascot
	2000.0918	1999.9331	-0.1587	-79	204	222	GIAQVVMTKVDEACPLVK					Mascot
	2389.1711	2389.135	-0.0361	-15	236	256	EKMELCSAHTGVPMTNIFPVK			Carbamidomethyl (C)[6]		Mascot
	2389.1711	2389.135	-0.0361	-15	236	256	EKMELCSAHTGVPMTNIFPVK			Carbamidomethyl (C)[6]		Mascot
	2403.1365	2403.1072	-0.0293	-12	12	31	QQPSSPELETPWRSFDWGQK					Mascot
	2501.2056	2501.2166	0.011	4	108	129	TSLPFVFFDIMGLEAEFHGSK					Mascot

20 PREDICTED: ribosomal protein S6 kinase alpha-2-like [Danio rerio] gi|125834099 83167.2 8.78 11 33 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	882.5771	882.5541	-0.023	-26	661	668	LTAPLVLR					Mascot
	1133.6599	1133.5918	-0.0681	-60	266	275	ETMALILKAK			Oxidation (M)[3]		Mascot
	1147.5994	1147.6296	0.0302	26	54	63	ADPSQFELLK					Mascot
	1165.698	1165.728	0.03	26	134	142	LYLILDFLR					Mascot
	1226.5609	1226.5995	0.0386	31	153	162	EVMFTEEDVK					Mascot
	1242.5558	1242.5988	0.043	35	153	162	EVMFTEEDVK			Oxidation (M)[3]		Mascot
	1504.7941	1504.7722	-0.0219	-15	432	444	CVHRITSVEYAVK					Mascot
	1638.7758	1638.8347	0.0589	36	631	646	FALSGGNWDTVSDAAK					Mascot
	1752.8875	1752.8441	-0.0434	-25	297	313	NPSNRLGAGPDGVVEIK					Mascot
	1871.8989	1871.9338	0.0349	19	503	518	CFSEREASAVLCTITK			Carbamidomethyl (C)[1,12]		Mascot
	2081.0298	2081.0522	0.0224	11	626	646	IGSGKFALSGGNWDTVSDAAK					Mascot
	2261.1296	2260.938	-0.1916	-85	532	551	DLKPSNILYVDETDGPESIR					Mascot

		2261.1296	2260.938	-0.1916	-85	532	551	DLKPSNILYVDETGDPEI R									Mascot
21	hypothetical protein LOC402939 [Danio rerio]							gi 45387697	40309.5	6.1	8	32	0				
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
		1242.6841	1242.5988	-0.0853	-69	344	353	ILLDEFVTHR								Mascot	
		1243.647	1243.624	-0.023	-18	317	327	TLKGSYFGGWK								Mascot	
		1243.647	1243.624	-0.023	-18	317	327	TLKGSYFGGWK								Mascot	
		1279.61	1279.7555	0.1455	114	113	122	TNLCSKNWEK				Carbamidomethyl (C)[4]				Mascot	
		1851.9052	1851.9003	-0.0049	-3	123	138	TQQCLLADGTSRITCK				Carbamidomethyl (C)[4,15]				Mascot	
		1983.9625	1983.8622	-0.1003	-51	174	193	VCLLGCGVSTGYGAAVN TGK				Carbamidomethyl (C)[2,6]				Mascot	
		2269.0586	2268.9099	-0.1487	-66	261	281	ELTNGGVDYALECVGNV GVMR				Carbamidomethyl (C)[13], Oxidation (M)[20]				Mascot	
		2284.1133	2284.1467	0.0334	15	194	217	VESGSTCAVFLGAVGL AAVMGCK				Carbamidomethyl (C)[7]				Mascot	
		2300.1082	2300.1501	0.0419	18	194	217	VESGSTCAVFLGAVGL AAVMGCK				Carbamidomethyl (C)[7], Oxidation (M)[21]				Mascot	
		3439.7202	3439.6467	-0.0735	-21	135	164	ITCKNQVHQFIAISTFSE YTVVPEDNVTK								Mascot	
22	Zgc:113377 [Danio rerio]							gi 66910322	36776.6	9.05	10	32	0				
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
		850.5145	850.5291	0.0146	17	29	35	EIKPHVK								Mascot	
		1649.7775	1649.7689	-0.0086	-5	83	97	IHTGEKPFTCTQCGK								Mascot	
		1649.7775	1649.7689	-0.0086	-5	83	97	IHTGEKPFTCTQCGK								Mascot	
		1752.8043	1752.8441	0.0398	23	167	181	VHTKEKPYSCECGK				Carbamidomethyl (C)[10]				Mascot	
		2081.9453	2082.0439	0.0986	47	201	218	EHMCLECQQTFTV K				Oxidation (M)[3]				Mascot	
		2081.9453	2082.0439	0.0986	47	201	218	EHMCLECQQTFTV K				Oxidation (M)[3]				Mascot	
		2211.0432	2211.0776	0.0344	16	83	101	IHTGEKPFTCTQCGKS R				Carbamidomethyl (C)[10,13]				Mascot	
		2283.0757	2283.1521	0.0764	33	111	129	IHTGERPFTCTQCGKS R				Carbamidomethyl (C)[10,13]				Mascot	
		2300.0369	2300.1501	0.1132	49	247	265	THEMIHTGEKPYKCS NK				Carbamidomethyl (C)[14]				Mascot	
		2403.1409	2403.1072	-0.0337	-14	9	28	IKQEEAEEQIDLIEE K								Mascot	
		3338.5073	3338.7375	0.2302	69	126	153	SFTRSYLNLHMMIHTGE RPHNCDQCGK								Mascot	
		3439.5374	3439.6467	0.1093	32	130	157	SYLNLHMMIHTGERPH NCDQCGKTFMR				Carbamidomethyl (C)[19]				Mascot	
23	CTP synthase-like [Danio rerio]							gi 162138974	66469.8	6.14	10	32	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
862.4265	862.4886	0.0621	72	85	92	DNNLTGK					Mascot
964.5461	964.511	-0.0351	-36	93	100	IYQSVINK					Mascot
1242.6875	1242.5988	-0.0887	-71	206	217	GLGLSPDLIVCR					Mascot
1279.6576	1279.7555	0.0979	77	551	560	LQNYLQKGCR			Carbamidomethyl (C)[9]		Mascot
1457.6907	1457.7727	0.082	56	466	477	KLYGDAEYVDER					Mascot
1504.9097	1504.7722	-0.1375	-91	2	16	KYILVTGGVISGIGK					Mascot
2051.9192	2052.0703	0.1511	74	412	429	NVLGWEDANSTFDPET K					Mascot
2082.0696	2082.0439	-0.0257	-12	393	411	KPFLGVCLGMQLAVCEF AR					Mascot
2082.0696	2082.0439	-0.0257	-12	393	411	KPFLGVCLGMQLAVCEF AR					Mascot
2233.031	2233.0503	0.0193	9	430	449	HPVVIEMPEHNPGQMGG TMR			Oxidation (M)[7]		Mascot
2705.2883	2705.134	-0.1543	-57	230	252	ISMFCHVEPEQVICIHDVS SIYR					Mascot
thrombospondin 4a [Danio rerio]				gi 167555077		103995.7	4.34	12	32	0	

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5155	882.5541	0.0386	44	157	164	SLPQGPKR					Mascot
964.4669	964.511	0.0441	46	323	331	CVNTAPGFR					Mascot
1226.5834	1226.5995	0.0161	13	404	415	TAGPDVPPMDR					Mascot
1242.5784	1242.5988	0.0204	16	404	415	TAGPDVPPMDR			Oxidation (M)[10]		Mascot
1279.6173	1279.7555	0.1382	108	214	224	VEAGPMFELMR					Mascot
1649.7345	1649.7689	0.0344	21	323	337	CVNTAPGFRCEPCPR					Mascot
1649.7345	1649.7689	0.0344	21	323	337	CVNTAPGFRCEPCPR					Mascot
1752.8109	1752.8441	0.0332	19	457	471	DTDIDAYPDDILKCR					Mascot
1837.8636	1837.9034	0.0398	22	705	720	IDTCPENAEITLDFR					Mascot
1870.733	1870.9608	0.2278	122	478	493	DNCMFVPNSGQEDADR			Carbamidomethyl (C)[3], Oxidation (M)[4]		Mascot
2052.0615	2052.0703	0.0088	4	47	64	AKNMDNVFILATLQMYSK					Mascot
2081.9453	2082.0439	0.0986	47	268	286	KPSNCGPGVCFTQDLGV EK			Carbamidomethyl (C)[5]		Mascot
2081.9453	2082.0439	0.0986	47	268	286	KPSNCGPGVCFTQDLGV EK			Carbamidomethyl (C)[5]		Mascot
2155.9495	2155.917	-0.0325	-15	530	548	DLHGDACDNCIEIKNPQ R					Mascot
2155.9495	2155.917	-0.0325	-15	530	548	DLHGDACDNCIEIKNPQ R					Mascot

	3338.502	3338.7375	0.2355	71	404	435	TAGPDVPPMDRLCGNG QNPDCDINAECVVER					Mascot
25	beta-1,3-galactosyltransferase 6 [Danio rerio]				gi 113675498		38567.2	8.52	7	32	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
848.4545	848.4784	0.0239	28	305	311	LCKEEVK					Mascot
1045.4949	1045.5492	0.0543	52	268	275	FDTEYKSR					Mascot
1133.6282	1133.5918	-0.0364	-32	1	9	MNLLRLVCR			Oxidation (M)[1]		Mascot
1871.928	1871.9338	0.0058	3	287	301	QSLEDMLEKHQTLQR			Oxidation (M)[6]		Mascot
2269.1975	2268.9099	-0.2876	-127	243	262	IWQSEDVSLGAWLAPVD VKR					Mascot
3337.6238	3337.7129	0.0891	27	204	232	WKESAWELCDYYLPYAL GGGYVLSADLVR					Mascot
3453.7324	3453.6616	-0.0708	-20	94	123	HDPEVLYWVFIGTEGLPA EDLQNLATEQIR					Mascot

26	hepatic triacylglycerol lipase [Danio rerio]				gi 41056195		57975.2	8.5	10	31	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.5182	996.5818	0.0636	64	293	300	DKQIMAYK					Mascot
1147.5413	1147.6296	0.0883	77	28	37	ADTEPEARMK					Mascot
1753.8632	1753.8351	-0.0281	-16	344	356	SHMPYKLFHYQFR					Mascot
1984.0538	1983.8622	-0.1916	-97	135	151	IVGQDIAHLLSWLEDFK					Mascot
2095.9695	2095.9971	0.0276	13	416	432	FTWEGNPVWANNWNTV K			Oxidation (M)[12]		Mascot
2233.2161	2233.0503	-0.1658	-74	213	232	FVDAIHTFTLQRMGLSVG IK					Mascot
2260.9771	2260.938	-0.0391	-17	462	480	TTFCPQTDEGMSIEMLQ K			Carbamidomethyl (C)[4], Oxidation (M)[11]		Mascot
2260.9771	2260.938	-0.0391	-17	462	480	TTFCPQTDEGMSIEMLQ K			Carbamidomethyl (C)[4], Oxidation (M)[11]		Mascot
2384.21	2383.9209	-0.2891	-121	7	27	IVLCFLMISQLTDGATFQ GNR			Carbamidomethyl (C)[4]		Mascot
2389.072	2389.135	0.063	26	461	480	KTTFCPQTDEGMSIEMLQ EK			Carbamidomethyl (C)[5], Oxidation (M)[12]		Mascot
2389.072	2389.135	0.063	26	461	480	KTTFCPQTDEGMSIEMLQ EK			Carbamidomethyl (C)[5], Oxidation (M)[12]		Mascot
2705.262	2705.134	-0.128	-47	462	484	TTFCPQTDEGMSIEMLQ KVFVR			Oxidation (M)[11]		Mascot

27	PREDICTED: tyrosine-protein kinase FRK-like isoform 2 [Danio rerio]				gi 326676893		57668.8	5.29	9	31	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	848.4624	848.4784	0.016	19	374	381	VADFGLAR										Mascot
	862.4199	862.4886	0.0687	80	1	7	MGDVRER										Mascot
	1106.5874	1106.5433	-0.0441	-40	134	142	MLISQENKK				Oxidation (M)[1]						Mascot
	1212.5895	1212.605	0.0155	13	382	391	VFQDNVYEAK										Mascot
	1212.5895	1212.605	0.0155	13	382	391	VFQDNVYEAK										Mascot
	1457.7383	1457.7727	0.0344	24	174	186	KLDNGGYLSTAR										Mascot
	2081.0955	2081.0522	-0.0433	-21	49	66	ELPPTPVLYVALYDYTAR										Mascot
	2233.1394	2233.0503	-0.0891	-40	143	162	GAFLIRNCESQPGELSLS VR				Carbamidomethyl (C)[8]						Mascot
	2384.0364	2383.9209	-0.1155	-48	453	472	MSSPPNCHKCLYDIMLD CWK										Mascot
	3439.6555	3439.6467	-0.0088	-3	327	357	GATLRMSDQIDMGAQVA SGMAYLELQNYIHR										Mascot
28	glutathione S-transferase M [Danio rerio]				gj 47086689		26045.6	5.58	6	31	0	13	0				
Peptide Information																	
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type			
	850.4239	850.5291	0.1052	124	211	217	MAKWGNK				Oxidation (M)[1]			Mascot			
	936.4937	936.4787	-0.015	-16	5	11	LAYWDIR							Mascot			
	1212.6007	1212.605	0.0043	4	136	145	QFSDFLGDRK							Mascot			
	1212.6007	1212.605	0.0043	4	136	145	QFSDFLGDRK	13		0				Mascot			
	1464.61	1464.8177	0.2077	142	32	43	FYTCEAPNYDK				Carbamidomethyl (C)[4]			Mascot			
	1671.9329	1671.7496	-0.1833	-110	5	18	LAYWDIRGLAQPIR							Mascot			
	1851.8582	1851.9003	0.0421	23	53	68	LGMDFPNLPYLEDGDR							Mascot			
29	Gna11 protein [Danio rerio]				gj 190339112		42105.3	5.59	9	31	0						
Peptide Information																	
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type			
	1165.6	1165.728	0.128	110	99	107	IPFRFEDNK							Mascot			
	1226.6012	1226.5995	-0.0017	-1	149	158	REYQLSDSTK							Mascot			
	1457.8573	1457.7727	-0.0846	-58	39	52	ELKLLLLGTGESGK							Mascot			
	1504.739	1504.7722	0.0332	22	61	73	IIHGTGYTDEDKR							Mascot			
	1752.6617	1752.8441	0.1824	104	2	16	TLESMMACCMSEEAK				Carbamidomethyl (C)[8], Oxidation (M)[5,6]			Mascot			
	1851.7124	1851.9003	0.1879	101	1	16	MTLESMMACCMSEEAK				Carbamidomethyl (C)[9]			Mascot			
	2080.8364	2081.0522	0.2158	104	2	19	TLESMMACCMSEEAKES K				Carbamidomethyl (C)[8], Oxidation (M)[5]			Mascot			
	2268.8984	2268.9099	0.0115	5	1	19	MTLESMMACCMSEEAKE SK				Carbamidomethyl (C)[9,10], Oxidation (M)[1]			Mascot			

Mascot

30	glutathione S-transferase M [Danio rerio]	gi 220679252	26044.7	6.03	6	30	0	13	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4239	850.5291	0.1052	124	211	217	MAKWGNK			Oxidation (M)[1]		Mascot
936.4937	936.4787	-0.015	-16	5	11	LAYWDIR					Mascot
1212.6007	1212.605	0.0043	4	136	145	QFSDFLGDRK					Mascot
1212.6007	1212.605	0.0043	4	136	145	QFSDFLGDRK	13	0			Mascot
1464.61	1464.8177	0.2077	142	32	43	FYTCGEAPNYDK			Carbamidomethyl (C)[4]		Mascot
1671.9329	1671.7496	-0.1833	-110	5	18	LAYWDIRGLAQPIR					Mascot
1851.8582	1851.9003	0.0421	23	53	68	LGMDFPNLPYLEDGDR					Mascot

31	neutrophil cytosol factor 1 [Danio rerio]	gi 71834304	47855.1	8.57	9	30	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.5109	996.5818	0.0709	71	324	331	ISQDSYRK					Mascot
1212.5677	1212.605	0.0373	31	136	145	NETFIMSTNR					Mascot
1212.5677	1212.605	0.0373	31	136	145	NETFIMSTNR					Mascot
1226.635	1226.5995	-0.0355	-29	111	119	CQLIRDFFK			Carbamidomethyl (C)[1]		Mascot
1279.6906	1279.7555	0.0649	51	43	52	RYPEVHTLHK					Mascot
1837.8247	1837.9034	0.0787	43	270	284	KGEETGFYPSMFLCR			Carbamidomethyl (C)[14], Oxidation (M)[11]		Mascot
1851.9044	1851.9003	-0.0041	-2	53	68	TLKEMFPIEAGDIDEK			Oxidation (M)[5]		Mascot
2051.9202	2052.0703	0.1501	73	271	288	GEETGFYPSMFLCRTGEK					Mascot
2233.1758	2233.0503	-0.1255	-56	91	110	QATLAEYCRSLNLPANISR					Mascot
2705.3337	2705.134	-0.1997	-74	148	171	SNTTSEITGPIMLETYRVIDYSK			Oxidation (M)[12]		Mascot

32	cytoplasmic dynein 1 heavy chain 1 [Danio rerio]	gi 112363126	532854.1	6.06	30	30	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
819.4835	819.4066	-0.0769	-94	2921	2926	IDRIFR					Mascot
850.4087	850.5291	0.1204	142	59	65	SALEQMR			Oxidation (M)[6]		Mascot
862.4338	862.4886	0.0548	64	4636	4643	GVAILCTE			Carbamidomethyl (C)[6]		Mascot
964.4734	964.511	0.0376	39	2694	2701	TSDQTWVK					Mascot

1045.5272	1045.5492	0.022	21	2836	2843	LVEDEERR			Mascot
1106.5952	1106.5433	-0.0519	-47	2511	2519	AELGEYIRR			Mascot
1165.6212	1165.728	0.1068	92	3438	3447	DLEASIARYK			Mascot
1226.6317	1226.5995	-0.0322	-26	4405	4413	DPLFRFFER			Mascot
1243.5953	1243.624	0.0287	23	4203	4212	KYEFGESDLR			Mascot
1243.5953	1243.624	0.0287	23	4203	4212	KYEFGESDLR			Mascot
1259.7219	1259.6215	-0.1004	-80	3733	3742	LQGEFQLRLR			Mascot
1259.7219	1259.6215	-0.1004	-80	3733	3742	LQGEFQLRLR	3	0	Mascot
1318.6862	1318.6877	0.0015	1	3076	3087	DRAATSPALFNR			Mascot
1464.7086	1464.8177	0.1091	74	2442	2452	MEHIMDFTRLR			Mascot
1514.7924	1514.7058	-0.0866	-57	1568	1580	FQSISTEFLALMK			Mascot
1671.8563	1671.7496	-0.1067	-64	2948	2961	FVAWMNGLSVYQIK			Mascot
1752.834	1752.8441	0.0101	6	2783	2796	FTQDTQPHYISPR			Mascot
1753.8351	1753.8351	0	0	3544	3558	TDIARTEYLSNADER			Mascot
1837.9741	1837.9034	-0.0707	-38	3873	3888	GMLHQDHITFAVLLAR			Mascot
2081.1099	2081.0522	-0.0577	-28	2340	2357	IMFEVQDLKYAPLATVSR			Mascot
2081.9531	2082.0439	0.0908	44	1130	1147	FGQMLGNNMQDFHSQIS K			Mascot
2081.9531	2082.0439	0.0908	44	1130	1147	FGQMLGNNMQDFHSQIS K			Mascot
2156.103	2155.917	-0.186	-86	981	997	LYQEMFAWKMNILSLPR			Mascot
2156.103	2155.917	-0.186	-86	981	997	LYQEMFAWKMNILSLPR			Mascot
2194.0928	2194.103	0.0102	5	3893	3911	SLVSEPSFDAEFQHFLRG K			Mascot
2210.9944	2211.0776	0.0832	38	531	550	EVDGLDVSKEGMEAWEA AMK			Mascot
2233.0627	2233.0503	-0.0124	-6	3561	3580	WQANSLPADDLCTENAI MLK			Mascot
2247.1074	2246.9255	-0.1819	-81	1020	1040	NALTRMPDGPSALEEAY NAVK			Mascot
2247.1074	2246.9255	-0.1819	-81	1020	1040	NALTRMPDGPSALEEAY NAVK			Mascot
2261.04	2260.938	-0.102	-45	862	879	SLETCMYEHKMFTEILNR			Mascot
2261.04	2260.938	-0.102	-45	862	879	SLETCMYEHKMFTEILNR			Mascot
2268.9827	2268.9099	-0.0728	-32	411	428	VMVACFEVFQWDEYE K			Mascot
2283.1624	2283.1521	-0.0103	-5	2004	2024	QVKVSAEMAIFITMNPY AGR			Mascot
2284.2561	2284.1467	-0.1094	-48	4504	4523	NIHVNLGRLFVPEAYITAT R			Mascot
2384.2642	2383.9209	-0.3433	-144	2046	2066	QLIAQVMLYSQGFRTAET LAK			Mascot
2389.1638	2389.135	-0.0288	-12	3561	3581	WQANSLPADDLCTENAI MLKR			Mascot
2389.1638	2389.135	-0.0288	-12	3561	3581	WQANSLPADDLCTENAI MLKR			Mascot

33 PREDICTED: hypothetical protein LOC568145 [Danio rerio] gi|326676943 95196.5 9.11 11 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.4658	848.4784	0.0126	15	774	780	KEMVGLR			Oxidation (M)[3]		Mascot
936.4164	936.4787	0.0623	67	261	268	MPATEMPK			Oxidation (M)[1,6]		Mascot
1147.5486	1147.6296	0.081	71	259	268	DKMPATEMPK					Mascot
1242.6801	1242.5988	-0.0813	-65	332	341	LQLNEDNLKR					Mascot
1498.6917	1498.7151	0.0234	16	1	12	MMEDEDLLLR			Oxidation (M)[1]		Mascot
1514.6865	1514.7058	0.0193	13	1	12	MMEDEDLLLR			Oxidation (M)[1,2]		Mascot
1999.9377	1999.9331	-0.0046	-2	199	214	CNGPCQNRPPFGYVK			Carbamidomethyl (C)[1,5]		Mascot
2194.1978	2194.103	-0.0948	-43	294	314	GFVLGGNAQIPTNKIQS PPK					Mascot
2247.0137	2246.9255	-0.0882	-39	102	121	MTLCAGVCSYEGRGGLC SIR			Carbamidomethyl (C)[4,8,17]		Mascot
2247.0137	2246.9255	-0.0882	-39	102	121	MTLCAGVCSYEGRGGLC SIR			Carbamidomethyl (C)[4,8,17]		Mascot
2300.251	2300.1501	-0.1009	-44	286	307	NIIPFSGRGFVLGGNAQIP TNK					Mascot
3337.6013	3337.7129	0.1116	33	775	801	EMVGLRQQDMSLLCQL WSLHESIQEYK			Carbamidomethyl (C)[14], Oxidation (M)[2]		Mascot
3453.7869	3453.6616	-0.1253	-36	684	717	QSALFVNVTMNDKVGNG AAGGVLACIEGLPLPK			Carbamidomethyl (C)[25], Oxidation (M)[10]		Mascot

34 methionine synthase [Danio rerio] gi|37620202 139615.6 5.26 14 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
964.5098	964.511	0.0012	1	716	725	TVGDLFGAGK					Mascot
1147.647	1147.6296	-0.0174	-15	644	653	LLLYAQNNAK					Mascot
1242.7052	1242.5988	-0.1064	-86	18	27	LELTELQQR					Mascot
1464.7693	1464.8177	0.0484	33	1231	1242	ITKEQVEDYALR					Mascot
1638.8407	1638.8347	-0.006	-4	387	401	LIMAGNYEEALSIK			Oxidation (M)[3]		Mascot
1728.95	1728.9053	-0.0447	-26	801	815	VIDLGVMI PCDRILR			Oxidation (M)[7]		Mascot
1984.0143	1983.8622	-0.1521	-77	699	715	YPRPLHVIEGPLMNGMK			Oxidation (M)[13,16]		Mascot
1999.9066	1999.9331	0.0265	13	1070	1087	DSASSEPYLCVSDFVAP R			Carbamidomethyl (C)[10]		Mascot
2081.0774	2081.0522	-0.0252	-12	564	583	ESLPGARVSGGLSNLSF SFR					Mascot
2283.1663	2283.1521	-0.0142	-6	780	800	GDVHDIGKNIVGVVLGCN NFR			Carbamidomethyl (C)[17]		Mascot
2284.0107	2284.1467	0.136	60	603	623	DGMDMGIVNAGNLPVYD DIDK			Oxidation (M)[3,5]		Mascot
2501.1614	2501.2166	0.0552	22	488	510	RYGAAVVMAFDEDGQA					Mascot

	3439.6946	3439.6467	-0.0479	-14	429	459	TETDQK FCNLIASEPDICKVPLCID SSNFSVIEAGLK	Carbamidomethyl (C)[2,12]	Mascot	
	3453.7854	3453.6616	-0.1238	-36	937	965	GLHIDWFAQPKPVRPQF LGTHVFDTYDLR		Mascot	
35	RecName: Full=SH3 domain-binding protein 4-A				gi 123888628	108383	7.89	13	30	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	842.5822	842.4985	-0.0837	-99	663	669	LIKTVIR					Mascot
	850.4338	850.5291	0.0953	112	387	393	LSNMEIK			Oxidation (M)[4]		Mascot
	964.5205	964.511	-0.0095	-10	825	832	ELMMALLK			Oxidation (M)[3]		Mascot
	1045.4796	1045.5492	0.0696	67	791	799	AELDSEPER					Mascot
	1318.5984	1318.6877	0.0893	68	66	76	DYCPSSFITLK			Carbamidomethyl (C)[3]		Mascot
	1671.806	1671.7496	-0.0564	-34	461	474	HVSFSSNVWNHMK					Mascot
	2081.0188	2081.0522	0.0334	16	402	419	VSVMTRTESMAEIVCVR			Carbamidomethyl (C)[16], Oxidation (M)[4]		Mascot
	2228.9282	2228.9175	-0.0107	-5	117	138	NSSLSDSGMIDNLGDCS EEGAK					Mascot
	2261.1648	2260.938	-0.2268	-100	485	504	HIHPSFKTVVAIFGHDCAPK			Carbamidomethyl (C)[17]		Mascot
	2261.1648	2260.938	-0.2268	-100	485	504	HIHPSFKTVVAIFGHDCAPK			Carbamidomethyl (C)[17]		Mascot
	2284.2368	2284.1467	-0.0901	-39	492	513	TVVAIFGHDCAPKTLVSEVGK					Mascot
	2300.0686	2300.1501	0.0815	35	597	616	DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5]		Mascot
	3337.6052	3337.7129	0.1077	32	298	327	LARSCHDLESGLQNPWG GQTQPVETNIVCK			Carbamidomethyl (C)[5]		Mascot
	3338.5496	3338.7375	0.1879	56	885	913	TGMVDSEAMWKPAYDFL LTWAAQIGDSYR			Oxidation (M)[3]		Mascot

36 Fanconi anemia group F protein [Danio rerio] gi|148225150 37464 5.55 7 30 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	850.4821	850.5291	0.047	55	251	257	LYWGALK					Mascot
	862.4451	862.4886	0.0435	50	180	186	CLLDSVR			Carbamidomethyl (C)[1]		Mascot
	964.4846	964.511	0.0264	27	48	55	YQSNPTVR					Mascot
	1279.6124	1279.7555	0.1431	112	56	67	SSLESGLTDTNR					Mascot
	1498.7505	1498.7151	-0.0354	-24	131	143	KSAFSLLCCTVNR			Carbamidomethyl (C)[8]		Mascot
	2225.0793	2225.0933	0.014	6	48	67	YQSNPTVRSSLESGLTDTNR					Mascot
	2225.0793	2225.0933	0.014	6	48	67	YQSNPTVRSSLESGLTDTNR					Mascot
	2384.0862	2383.9209	-0.1653	-69	71	90	ETFPSYSPVEFSELAQCQHK			Carbamidomethyl (C)[17]		Mascot

37 Fin bud initiation factor [Danio rerio] gi|62204463 23923.9 5.12 6 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.3898	842.4985	0.1087	129	54	59	CQMLFK			Carbamidomethyl (C)[1], Oxidation (M)[3]		Mascot
1464.6102	1464.8177	0.2075	142	54	64	CQMLFKMMDNR			Oxidation (M)[3,7,8]		Mascot
1498.7133	1498.7151	0.0018	1	142	153	QSQENELKEEHK					Mascot
1851.9894	1851.9003	-0.0891	-48	1	16	MASPLFILIACLLSMR			Carbamidomethyl (C)[11], Oxidation (M)[1]		Mascot
2229.092	2228.9175	-0.1745	-78	93	113	VLEGIGKSISFDLDGEDS YGK					Mascot
2283.0808	2283.1521	0.0713	31	66	84	CTLDEDQDSVIRDDFTIIK			Carbamidomethyl (C)[1]		Mascot

38 intraflagellar transport 81 homolog [Danio rerio] gi|159570779 78814.9 6.43 13 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
819.3954	819.4066	0.0112	14	380	386	TSQAQER					Mascot
1045.5636	1045.5492	-0.0144	-14	430	437	TEEILRER					Mascot
1133.5698	1133.5918	0.022	19	231	239	NQLFQAEQR					Mascot
1212.7311	1212.605	-0.1261	-104	501	511	SALSPLIKDLR					Mascot
1212.7311	1212.605	-0.1261	-104	501	511	SALSPLIKDLR					Mascot
1226.6124	1226.5995	-0.0129	-11	217	226	EREESLAHQK					Mascot
1318.6896	1318.6877	-0.0019	-1	586	596	ISQSMQVQVRR					Mascot
1514.9165	1514.7058	-0.2107	-139	341	353	LSLFRQQAIIIVR					Mascot
1784.8483	1784.8833	0.035	20	157	172	ECEQLKSSGFSTAEIR					Mascot
1870.9504	1870.9608	0.0104	6	359	374	VEELQEAREELAAVER					Mascot
2082.0349	2082.0439	0.009	4	453	471	GISGYSDTQEELERVSAI K					Mascot
2082.0349	2082.0439	0.009	4	453	471	GISGYSDTQEELERVSAI K					Mascot
2225.0879	2225.0933	0.0054	2	563	579	YHHINCEREIIESQIQR			Carbamidomethyl (C)[6]		Mascot
2225.0879	2225.0933	0.0054	2	563	579	YHHINCEREIIESQIQR			Carbamidomethyl (C)[6]		Mascot
2233.1646	2233.0503	-0.1143	-51	291	310	VVQYLQKVASEPAMGQA ELR			Oxidation (M)[14]		Mascot
2283.1914	2283.1521	-0.0393	-17	650	670	QCYLKAQSQAPIGHVIQD VGK					Mascot

39 Ssfa2 protein [Danio rerio] gi|115313851 31579.7 5.91 7 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4882	842.4985	0.0103	12	271	277	FIHVAQK					Mascot
848.4625	848.4784	0.0159	19	678	684	QHPPLEK					Mascot
964.4999	964.511	0.0111	12	128	134	QWISQFR					Mascot
1165.5703	1165.728	0.1577	135	580	589	DVVGMECLKR			Oxidation (M)[5]		Mascot
1226.6575	1226.5995	-0.058	-47	119	127	RPQICHFIR			Carbamidomethyl (C)[5]		Mascot
1243.5129	1243.624	0.1111	89	569	579	DCGVNCHKHCK					Mascot
1243.5129	1243.624	0.1111	89	569	579	DCGVNCHKHCK					Mascot
1279.5769	1279.7555	0.1786	140	33	43	MTCPSAQEISR			Carbamidomethyl (C)[3]		Mascot
1851.8438	1851.9003	0.0565	31	513	528	EEITSYFMRGMSVCAK					Mascot
2095.9165	2095.9971	0.0806	38	474	490	NYDLNMDGYISLEEFK			Oxidation (M)[6]		Mascot
2284.2812	2284.1467	-0.1345	-59	433	454	IQPVAPVKPPVVAEWGS GVTPR					Mascot
2501.2024	2501.2166	0.0142	6	33	55	MTCPSAQEISRALQSPPA HASFR			Oxidation (M)[1]		Mascot

41 methenyltetrahydrofolate synthase domain-containing protein [Danio rerio] gi|113679548 43056.8 9.08 8 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
862.4086	862.4886	0.08	93	45	52	GALEACNK			Carbamidomethyl (C)[6]		Mascot
882.5407	882.5541	0.0134	15	86	93	SLLVPTPR					Mascot

	1242.6147	1242.5988	-0.0159	-13	67	77	VDPDKPMEGVR										Mascot
	1649.9697	1649.7689	-0.2008	-122	324	337	GLLREQEVVPLQIR	5		0							Mascot
	1649.9697	1649.7689	-0.2008	-122	324	337	GLLREQEVVPLQIR										Mascot
	1671.9152	1671.7496	-0.1656	-99	220	233	HPKPQGIIWSMLHK										Mascot
	1728.8915	1728.9053	0.0138	8	255	269	DVALKLIHAGEDEYR										Mascot
	1872.0411	1871.9338	-0.1073	-57	200	215	HDLMVDFIITATRVIK										Mascot
	2389.2795	2389.135	-0.1445	-60	45	66	GALEACNKVAQLEIFIESA VVK					Carbamidomethyl (C)[6]					Mascot
	2389.2795	2389.135	-0.1445	-60	45	66	GALEACNKVAQLEIFIESA VVK					Carbamidomethyl (C)[6]					Mascot
42	Zgc:77614 protein [Danio rerio]				gi 169642093		19598	9.62	5	30	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
936.5334	936.4787	-0.0547	-58	39	45	LKFCQLK			Carbamidomethyl (C)[4]		Mascot
1752.8235	1752.8441	0.0206	12	148	164	TSASGRAQGFPASCWR					Mascot
2095.9766	2095.9971	0.0205	10	154	171	AQGFPASCWRWTTQT ER					Mascot
2283.2441	2283.1521	-0.092	-40	99	119	ADPSLLSLEQLLK TENLA EAK					Mascot
3439.6296	3439.6467	0.0171	5	1	30	MSCVHYSFQSRLTYDSL QFEGLNISAGELK			Oxidation (M)[1]		Mascot

43	5'-nucleotidase [Danio rerio]				gi 41055552		62976.9	6.22	9	30	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
936.4389	936.4787	0.0398	43	472	478	VLCTQCR			Carbamidomethyl (C)[3,6]		Mascot
1106.5323	1106.5433	0.011	10	39	48	VEETNKDSGK					Mascot
1259.5837	1259.6215	0.0378	30	544	554	FQFSSSCAGLR			Carbamidomethyl (C)[7]		Mascot
1259.5837	1259.6215	0.0378	30	544	554	FQFSSSCAGLR			Carbamidomethyl (C)[7]		Mascot
1464.7198	1464.8177	0.0979	67	49	61	CSKPPCFAGVSRR			Carbamidomethyl (C)[1]		Mascot
1638.7727	1638.8347	0.062	38	45	60	DSGKCSKPPCFAGVSR					Mascot
1752.8156	1752.8441	0.0285	16	45	60	DSGKCSKPPCFAGVSR			Carbamidomethyl (C)[5,10]		Mascot
2080.9724	2081.0522	0.0798	38	354	371	ECNLGNLICDAMVHHNIK			Carbamidomethyl (C)[2]		Mascot
2096.0779	2095.9971	-0.0808	-39	472	489	VLCTQCRVPHYEPLVPN K					Mascot
2384.1421	2383.9209	-0.2212	-93	352	371	FRECNLGNLICDAMVHH NIK			Carbamidomethyl (C)[4]		Mascot
2389.1353	2389.135	-0.0003	0	372	392	YADELQWNHVSSCILNG GGIR			Carbamidomethyl (C)[13]		Mascot
2389.1353	2389.135	-0.0003	0	372	392	YADELQWNHVSSCILNG GGIR			Carbamidomethyl (C)[13]		Mascot

44 Ndufa9 protein [Danio rerio] gi|46249713 42363.1 9.65 7 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.5291	0.051	60	172	178	SPSKYLR					Mascot
1165.6034	1165.728	0.1246	107	72	81	MGSQVVIPYR			Oxidation (M)[1]		Mascot
1649.8896	1649.7689	-0.1207	-73	137	150	YEDVFVSIPLQIAR					Mascot
1649.8896	1649.7689	-0.1207	-73	137	150	YEDVFVSIPLQIAR					Mascot
2082.1089	2082.0439	-0.065	-31	42	63	GGRSSISGLAATVFGATG FLGR					Mascot
2082.1089	2082.0439	-0.065	-31	42	63	GGRSSISGLAATVFGATG FLGR					Mascot
2156.1121	2155.917	-0.1951	-90	326	345	YDPLPGLEDLGITPASIEQ K					Mascot
2156.1121	2155.917	-0.1951	-90	326	345	YDPLPGLEDLGITPASIEQ K					Mascot
2261.178	2260.938	-0.24	-106	9	30	CFISGTCSPVLLAAPVT VQQR					Mascot
2261.178	2260.938	-0.24	-106	9	30	CFISGTCSPVLLAAPVT VQQR					Mascot
2389.2729	2389.135	-0.1379	-58	9	31	CFISGTCSPVLLAAPVT VQQRK					Mascot
2389.2729	2389.135	-0.1379	-58	9	31	CFISGTCSPVLLAAPVT VQQRK					Mascot

45 lft81 protein [Danio rerio] gi|145337899 29908.3 5.76 7 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.5636	1045.5492	-0.0144	-14	14	21	TEEILRER					Mascot
1212.7311	1212.605	-0.1261	-104	85	95	SALSPLIKDLR					Mascot
1212.7311	1212.605	-0.1261	-104	85	95	SALSPLIKDLR					Mascot
1318.6896	1318.6877	-0.0019	-1	170	180	ISQSMQVQVRR					Mascot
1784.8231	1784.8833	0.0602	34	113	128	AQYETCAAGLESNRSK			Carbamidomethyl (C)[6]		Mascot
2082.0349	2082.0439	0.009	4	37	55	GISGYSDTQEELERVSAI K					Mascot
2082.0349	2082.0439	0.009	4	37	55	GISGYSDTQEELERVSAI K					Mascot
2225.0879	2225.0933	0.0054	2	147	163	YHHINCEREIIESQIQR			Carbamidomethyl (C)[6]		Mascot
2225.0879	2225.0933	0.0054	2	147	163	YHHINCEREIIESQIQR			Carbamidomethyl (C)[6]		Mascot
2283.1914	2283.1521	-0.0393	-17	234	254	QCYLKAQSQAPIGHVIQD VGK					Mascot

46 Zgc:112399 [Danio rerio] gi|66267536 39455.2 9.11 10 29 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	848.5239	848.4784	-0.0455	-54	325	332 FTLLGGLK					Mascot
	1649.7775	1649.7689	-0.0086	-5	141	155 IHTGEKPFTCTQCGK					Mascot
	1649.7775	1649.7689	-0.0086	-5	141	155 IHTGEKPFTCTQCGK					Mascot
	1752.8043	1752.8441	0.0398	23	225	239 VHTKEKPYSCECGK			Carbamidomethyl (C)[10]		Mascot
	1753.84	1753.8351	-0.0049	-3	253	267 IHAGVKEYLCFECGK			Carbamidomethyl (C)[10]		Mascot
	1999.9952	1999.9331	-0.0621	-31	81	96 IHMRIHTGEKPYTCTR			Carbamidomethyl (C)[14]		Mascot
	2081.8911	2082.0439	0.1528	73	166	183 HMMIHTGEKPFTCTECG K			Oxidation (M)[2,3]		Mascot
	2081.8911	2082.0439	0.1528	73	166	183 HMMIHTGEKPFTCTECG K			Oxidation (M)[2,3]		Mascot
	2194.0559	2194.103	0.0471	21	259	276 EYLCFECGKTFITEVGLK			Carbamidomethyl (C)[4,7]		Mascot
	2211.1702	2211.0776	-0.0926	-42	184	202 SFIQLSTLNLHMRIHAGE K			Oxidation (M)[12]		Mascot
	2229.0427	2228.9175	-0.1252	-56	203	220 THICDQCSTLFYRASELK			Carbamidomethyl (C)[4,7]		Mascot
	2501.1548	2501.2166	0.0618	25	113	134 IHTGEKPYTCTQCGKSFG QSSK			Carbamidomethyl (C)[10,13]		Mascot
47	alpha-actinin-1 [Danio rerio]				gi 269973891		104139.1	5.36	10	29	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1106.584	1106.5433	-0.0407	-37	851	859 NYILADELR					Mascot
	1133.5731	1133.5918	0.0187	16	265	274 AETAANRICK			Carbamidomethyl (C)[9]		Mascot
	1504.7101	1504.7722	0.0621	41	861	873 ELPPDQAEYCIAR					Mascot
	1514.806	1514.7058	-0.1002	-66	117	131 LVSIGAEIIVDGNK					Mascot
	1649.8129	1649.7689	-0.044	-27	57	70 KAGTQIENIEEDFR	7	0			Mascot
	1649.8129	1649.7689	-0.044	-27	57	70 KAGTQIENIEEDFR					Mascot
	1753.8252	1753.8351	0.0099	6	446	460 KHEAFESDLAAHQDR					Mascot
	1852.0215	1851.9003	-0.1212	-65	513	527 LLETIDQLYLEFAKR					Mascot
	2051.959	2052.0703	0.1113	54	275	291 VLAVNQENEQLMEDYEK					Mascot
	2080.979	2081.0522	0.0732	35	311	327 VPENTMQAMQKKLEDFR			Oxidation (M)[6]		Mascot
	3338.6143	3338.7375	0.1232	37	783	813 ACLISLGFDIGNDAQGEA EFARIMSIVDPNR			Oxidation (M)[24]		Mascot
48	Ppp1r3b protein [Danio rerio]				gi 190337192		33606.4	5.74	7	29	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	964.5461	964.511	-0.0351	-36	155	162 VKNISFEK					Mascot

1051.5782	1051.6981	0.1199	114	157	165	NISFEKSVK											Mascot
1752.8043	1752.8441	0.0398	23	24	39	YSGPLQPCLNQCSSK											Mascot
1983.9198	1983.8622	-0.0576	-29	130	145	QRIENDHVCLEHCMLK					Oxidation (M)[14]						Mascot
2081.9678	2082.0439	0.0761	37	130	145	QRIENDHVCLEHCMLK					Carbamidomethyl (C)[9,13]						Mascot
2081.9678	2082.0439	0.0761	37	130	145	QRIENDHVCLEHCMLK					Carbamidomethyl (C)[9,13]						Mascot
2095.99	2095.9971	0.0071	3	21	39	ASKYSGPLQPCLNQCS SK					Carbamidomethyl (C)[11]						Mascot
2211.1001	2211.0776	-0.0225	-10	2	20	PIELAMSLYLSSDEFLNP R					Oxidation (M)[6]						Mascot
2284.0703	2284.1467	0.0764	33	168	185	ITFDTWKNHTDVECQYVK					Carbamidomethyl (C)[14]						Mascot

49 PREDICTED: actin-binding LIM protein 3-like [Danio rerio] gi|326673723 79710 8.72 11 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.473	842.4985	0.0255	30	656	662	LPKDVDR					Mascot
848.4373	848.4784	0.0411	48	2	9	AVNQFGGR					Mascot
1638.8169	1638.8347	0.0178	11	242	256	VLEAGGKHYHPTCAR					Mascot
1671.808	1671.7496	-0.0584	-35	199	213	CQTCGLVLTGEYISK			Carbamidomethyl (C)[1]		Mascot
1728.8295	1728.9053	0.0758	44	199	213	CQTCGLVLTGEYISK			Carbamidomethyl (C)[1,4]		Mascot
1871.8262	1871.9338	0.1076	57	102	119	CDSCGDFISGEVVSALG R			Carbamidomethyl (C)[1]		Mascot
1983.9116	1983.8622	-0.0494	-25	85	101	SGEYICTSDYQRLYGTK					Mascot
2247.0676	2246.9255	-0.1421	-63	591	611	SNFAAENDYISKSASLPG YGR					Mascot
2247.0676	2246.9255	-0.1421	-63	591	611	SNFAAENDYISKSASLPG YGR					Mascot
2261.1443	2260.938	-0.2063	-91	297	319	TSEASISPPGSSISSPSRV ICAK					Mascot
2261.1443	2260.938	-0.2063	-91	297	319	TSEASISPPGSSISSPSRV ICAK					Mascot
2284.0305	2284.1467	0.1162	51	570	590	SGSREMLHSMGHNNTVN GSPR			Oxidation (M)[6]		Mascot
2300.0254	2300.1501	0.1247	54	570	590	SGSREMLHSMGHNNTVN GSPR			Oxidation (M)[6,10]		Mascot
3338.4519	3338.7375	0.2856	86	102	132	CDSCGDFISGEVVSALG RTYHPQCFCVCSVCR					Mascot
3439.4519	3439.6467	0.1948	57	260	287	CQMMFTEGEEMLTGSE VWHPVCKQASR			Carbamidomethyl (C)[1,23], Oxidation (M)[3,4,11]		Mascot

50 serine/arginine-rich splicing factor 7 [Danio rerio] gi|71834670 20442.3 9.87 1 21 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1649.9738	1649.7689	-0.2049	-124	133	145	LIQRVTILYDFLR	21	0		2	Mascot

Gel Idx/Pos	242/J18	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
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1	ubiquitin carboxyl-terminal hydrolase isozyme L1 [Danio rerio]	gi 41393111	24232.8	5.1	9	384	100	327	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
865.4413	865.4321	-0.0092	-11	168	174	LYELDGR					Mascot
865.4413	865.4321	-0.0092	-11	168	174	LYELDGR	44	98.852			Mascot
1395.6572	1395.6449	-0.0123	-9	112	124	FLEATSGMSPAER					Mascot
1395.6572	1395.6449	-0.0123	-9	112	124	FLEATSGMSPAER	59	99.965			Mascot
1411.6522	1411.6357	-0.0165	-12	112	124	FLEATSGMSPAER			Oxidation (M)[8]		Mascot
1411.6522	1411.6357	-0.0165	-12	112	124	FLEATSGMSPAER	24	0	Oxidation (M)[8]		Mascot
1558.757	1558.7402	-0.0168	-11	66	78	QSVGDCKDVYFLK			Carbamidomethyl (C)[6]		Mascot
1664.8544	1664.8387	-0.0157	-9	154	167	VNFHFITFVNVDGR	113	100			Mascot
1664.8544	1664.8387	-0.0157	-9	154	167	VNFHFITFVNVDGR					Mascot
1774.8502	1774.8724	0.0222	13	2	15	EWKPMEINPEMLNK			Oxidation (M)[5]		Mascot
2197.0706	2197.0498	-0.0208	-9	175	195	IDGPVSHGPTKPDFVM DAAR					Mascot
2197.0706	2197.0498	-0.0208	-9	175	195	IDGPVSHGPTKPDFVM DAAR	111	100			Mascot
2213.0654	2213.075	0.0096	4	175	195	IDGPVSHGPTKPDFVM DAAR			Oxidation (M)[17]		Mascot
2213.0654	2213.075	0.0096	4	175	195	IDGPVSHGPTKPDFVM DAAR	6	0	Oxidation (M)[17]		Mascot
2283.0305	2283.1528	0.1223	54	133	153	AIQETHDAVADEGQCRP EADK					Mascot
2340.052	2340.0396	-0.0124	-5	133	153	AIQETHDAVADEGQCRP EADK			Carbamidomethyl (C)[15]		Mascot
3515.7183	3515.7007	-0.0176	-5	79	111	QTVVNSCGTVGLVHAVA NNQDSIDFDNNSALKK			Carbamidomethyl (C)[7]		Mascot
3985.8884	3985.8918	0.0034	1	133	167	AIQETHDAVADEGQCRP EADKVNHFHFITFVNVDGR			Carbamidomethyl (C)[15]		Mascot

2	ubiquitin C-terminal hydrolase L1 [Danio rerio]	gi 37722017	24231.9	5.2	8	261	100	214	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
865.4413	865.4321	-0.0092	-11	168	174	LYELDGR					Mascot

	865.4413	865.4321	-0.0092	-11	168	174	LYELDGR	44	98.852		Mascot	
	1395.6572	1395.6449	-0.0123	-9	112	124	FLEATSGMSPAER				Mascot	
	1395.6572	1395.6449	-0.0123	-9	112	124	FLEATSGMSPAER	59	99.965		Mascot	
	1411.6522	1411.6357	-0.0165	-12	112	124	FLEATSGMSPAER			Oxidation (M)[8]	Mascot	
	1411.6522	1411.6357	-0.0165	-12	112	124	FLEATSGMSPAER	24	0	Oxidation (M)[8]	Mascot	
	1558.757	1558.7402	-0.0168	-11	66	78	QSVGDCKDVYFLK			Carbamidomethyl (C)[6]	Mascot	
	1774.8502	1774.8724	0.0222	13	2	15	EWKPMEINPEMLNK			Oxidation (M)[5]	Mascot	
	2197.0706	2197.0498	-0.0208	-9	175	195	IDGPVSHGPTKPDFVM DAAR				Mascot	
	2197.0706	2197.0498	-0.0208	-9	175	195	IDGPVSHGPTKPDFVM DAAR	111	100		Mascot	
	2213.0654	2213.075	0.0096	4	175	195	IDGPVSHGPTKPDFVM DAAR			Oxidation (M)[17]	Mascot	
	2213.0654	2213.075	0.0096	4	175	195	IDGPVSHGPTKPDFVM DAAR	6	0	Oxidation (M)[17]	Mascot	
	2283.0305	2283.1528	0.1223	54	133	153	AIQETHDAVADEGQCRP EADK				Mascot	
	2340.052	2340.0396	-0.0124	-5	133	153	AIQETHDAVADEGQCRP EADK			Carbamidomethyl (C)[15]	Mascot	
	3515.7183	3515.7007	-0.0176	-5	79	111	QTVVNSCGTVGLVHAVA NNQDSIDFDNNSALKK			Carbamidomethyl (C)[7]	Mascot	
	3984.9045	3984.9224	0.0179	4	133	167	AIQETHDAVADEGQCRP EADKVNHFHITFVNVNGR			Carbamidomethyl (C)[15]	Mascot	
3	histone acetyltransferase MYST2 [Danio rerio]				gi 47086769		65537.7	8.98	12	46	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4563	850.5319	0.0756	89	59	65	MTRASLR			Oxidation (M)[1]		Mascot
865.3912	865.4321	0.0409	47	488	493	YMYNFK					Mascot
865.3912	865.4321	0.0409	47	488	493	YMYNFK					Mascot
1109.5472	1109.4812	-0.066	-59	360	370	GATSVFEVDGK					Mascot
1193.6677	1193.6022	-0.0655	-55	479	487	SYWKEVLLR					Mascot
1395.7123	1395.6449	-0.0674	-48	374	384	IYCQNLCLLAK			Carbamidomethyl (C)[3,7]		Mascot
1395.7123	1395.6449	-0.0674	-48	374	384	IYCQNLCLLAK			Carbamidomethyl (C)[3,7]		Mascot
1434.7257	1434.7539	0.0282	20	284	296	LQGQITEGSNMIK			Oxidation (M)[11]		Mascot
1475.7715	1475.741	-0.0305	-21	483	493	EVLLRYMYNFK					Mascot
1541.7198	1541.7236	0.0038	2	145	159	CPTPGCNSLGHLTGK			Carbamidomethyl (C)[1]		Mascot
1963.9225	1963.8793	-0.0432	-22	145	162	CPTPGCNSLGHLTGKHE R			Carbamidomethyl (C)[1]		Mascot
2232.9873	2233.0615	0.0742	33	303	319	YELETWYHSPYPEEYAR					Mascot
2367.093	2367.2341	0.1411	60	423	441	NSFLNYNVSCILTMPQYM R			Carbamidomethyl (C)[10], Oxidation (M)[14]		Mascot
2584.1819	2584.1792	-0.0027	-1	160	181	HERHFAISGCPLYHNLSA DECK			Carbamidomethyl (C)[10]		Mascot

4 PREDICTED: transformation/transcription domain-associated protein [Danio rerio] gi|326672350 433471.2 8.52 31 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
865.4963	865.4321	-0.0642	-74	2260	2266	LISVFMR					Mascot
865.5505	865.4321	-0.1184	-137	135	141	IIIELHK					Mascot
882.5155	882.5566	0.0411	47	2182	2189	AVHSLLSR					Mascot
1045.5095	1045.5494	0.0399	38	3604	3612	EVQGNMVP			Oxidation (M)[6]		Mascot
1109.566	1109.4812	-0.0848	-76	548	557	TITWGITSCK					Mascot
1165.5817	1165.5758	-0.0059	-5	606	615	VANCQTVRMK			Oxidation (M)[9]		Mascot
1165.5817	1165.7302	0.1485	127	606	615	VANCQTVRMK			Oxidation (M)[9]		Mascot
1193.5337	1193.6022	0.0685	57	3264	3272	CSRIMHMQR			Oxidation (M)[5,7]		Mascot
1234.7054	1234.6652	-0.0402	-33	986	995	WIPNVIISHR					Mascot
1323.7168	1323.6616	-0.0552	-42	1226	1236	SFHLVTHDLVR					Mascot
1365.5861	1365.6262	0.0401	29	1452	1461	FCDQMMQHLR			Carbamidomethyl (C)[2]		Mascot
1434.7079	1434.7539	0.046	32	2466	2477	QCTELLAVCER			Carbamidomethyl (C)[2]		Mascot
1475.8217	1475.741	-0.0807	-55	1963	1975	LGFTPSVTIEQRK					Mascot
1493.7126	1493.7156	0.003	2	1311	1322	LFTMDLNVMEHK			Oxidation (M)[4]		Mascot
1638.8958	1638.8412	-0.0546	-33	443	455	DILMRMLEVFVLK			Oxidation (M)[4,6]		Mascot
1664.8287	1664.8387	0.01	6	1691	1704	AFTGRFLCNMTFLK			Oxidation (M)[10]		Mascot
1664.8287	1664.8387	0.01	6	1691	1704	AFTGRFLCNMTFLK			Oxidation (M)[10]		Mascot
1721.8501	1721.8553	0.0052	3	1691	1704	AFTGRFLCNMTFLK			Carbamidomethyl (C)[8], Oxidation (M)[10]		Mascot
1948.0096	1947.8925	-0.1171	-60	2	19	SFVPTSPSTVVDQTTLMK					Mascot
1964.0045	1963.8793	-0.1252	-64	2	19	SFVPTSPSTVVDQTTLMK			Oxidation (M)[17]		Mascot
1980.1099	1979.876	-0.2339	-118	3022	3038	IHTIPTVPIVDCFQKIR					Mascot
1980.1099	1979.876	-0.2339	-118	3022	3038	IHTIPTVPIVDCFQKIR					Mascot
2046.0801	2045.9739	-0.1062	-52	1356	1374	IAALNALAACNYLPQSRE K					Mascot
2197.0229	2197.0498	0.0269	12	2796	2813	CSKELNQWEPLTEYGQS K			Carbamidomethyl (C)[1]		Mascot
2197.0229	2197.0498	0.0269	12	2796	2813	CSKELNQWEPLTEYGQS K			Carbamidomethyl (C)[1]		Mascot
2211.0745	2211.0813	0.0068	3	1075	1094	GMDPLVLIDAIACMAYEE K			Oxidation (M)[2]		Mascot
2213.0703	2213.075	0.0047	2	3128	3146	DRQPHLGVSITCYLHAC R			Carbamidomethyl (C)[13]		Mascot
2213.0703	2213.075	0.0047	2	3128	3146	DRQPHLGVSITCYLHAC R			Carbamidomethyl (C)[13]		Mascot
2230.0769	2230.1218	0.0449	20	1323	1341	VFYTELLNLCEAEDAALM K			Carbamidomethyl (C)[10]		Mascot
2249.2322	2249.0403	-0.1919	-85	2579	2599	TGALLNALVQLCHISTPLA			Carbamidomethyl (C)[12]		Mascot

		2283.0981	2283.1528	0.0547	24	3617	3634	EK EWALHTFPNATDYWTFR K							Mascot
		2284.1384	2284.1531	0.0147	6	1175	1196	ALLFVMMDLTGEVSNGA VAMAK	Oxidation (M)[6]						Mascot
		2297.0537	2297.166	0.1123	49	1696	1713	FLCNMTFLKEYMEEEIPK	Oxidation (M)[5, 12]						Mascot
		2340.2156	2340.0396	-0.176	-75	901	921	LLYVVTEVQGPSIAEFT DCK							Mascot
		2367.2312	2367.2341	0.0029	1	1844	1864	TCVDPACKYSGHLLLAHII AK	Carbamidomethyl (C)[2, 7]						Mascot
		2369.0874	2368.9788	-0.1086	-46	2616	2637	QQHALSGEMGPFLCSGS HQAQR							Mascot
		2584.2395	2584.1792	-0.0603	-23	1288	1310	HQPANAQIGLMEGNTFC TTLQPR	Carbamidomethyl (C)[17]						Mascot
		3985.918	3985.8918	-0.0262	-7	1288	1322	HQPANAQIGLMEGNTFC TTLQPRLFTMDLNVMEH K							Mascot
5	calpain 5 [Danio rerio]						gij 121583966	72751.2	6.28	11	40	0			
		Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification		Rank	Result	Type
		865.5366	865.4321	-0.1045	-121	218	224 VLKVHNR								Mascot
		865.5366	865.4321	-0.1045	-121	218	224 VLKVHNR								Mascot
		1062.6055	1062.6783	0.0728	69	428	435 VELNRIYR								Mascot
		1109.4891	1109.4812	-0.0079	-7	234	243 ATTQADMEAR				Oxidation (M)[7]				Mascot
		1411.7587	1411.6357	-0.123	-87	221	233 VHNRGGLISCSIR								Mascot
		1411.7587	1411.6357	-0.123	-87	221	233 VHNRGGLISCSIR								Mascot
		1558.7537	1558.7402	-0.0135	-9	100	111 VIPDWKDQEWDK								Mascot
		1638.6819	1638.8412	0.1593	97	290	303 GWNGAWSDSSEEWK								Mascot
		1979.9637	1979.876	-0.0877	-44	225	243 GGLISCSIRATTQADMEA R								Mascot
		1979.9637	1979.876	-0.0877	-44	225	243 GGLISCSIRATTQADMEA R								Mascot
		2367.1152	2367.2341	0.1189	50	106	124 DQEWDKNKPESYAGIFH FR								Mascot
		2383.9734	2383.9229	-0.0505	-21	313	332 LGVTVEDDGEFWMDFDD FCK				Oxidation (M)[13]				Mascot
		3515.7798	3515.7007	-0.0791	-22	584	614 NLLSDSFMGQVTNLNGDL SDLQLHLTRLQDK				Oxidation (M)[8]				Mascot
		3984.7644	3984.9224	0.158	40	166	203 AYAKMCGCYEALDGGNT ADALVDFTGGVSEPMDL LEGK				Carbamidomethyl (C)[6], Oxidation (M)[5]				Mascot
6	novel protein similar to vertebrate aldehyde oxidase 1 (AOX1) [Danio rerio]						gij 148725253	144958.2	6.3	14	40	0	9	0	
		Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification		Rank	Result	Type

	842.4665	842.5003	0.0338	40	790	796	VTCHVKR												Mascot
	865.4018	865.4321	0.0303	35	1299	1306	ACLACATR												Mascot
	865.4018	865.4321	0.0303	35	1299	1306	ACLACATR	9	0	Carbamidomethyl (C)[2]									Mascot
	996.6564	996.5855	-0.0709	-71	993	1001	RGISIIPIK												Mascot
	1051.5684	1051.701	0.1326	126	708	715	ESFFLPRR												Mascot
	1179.5615	1179.5869	0.0254	22	1108	1116	GTWQNWIMK			Oxidation (M)[8]									Mascot
	1179.5615	1179.5869	0.0254	22	1108	1116	GTWQNWIMK			Oxidation (M)[8]									Mascot
	1320.6212	1320.5663	-0.0549	-42	220	230	MAEDKDQSIQR												Mascot
	1395.6433	1395.6449	0.0016	1	225	235	DQSIQRFCGER			Carbamidomethyl (C)[8]									Mascot
	1395.6433	1395.6449	0.0016	1	225	235	DQSIQRFCGER			Carbamidomethyl (C)[8]									Mascot
	1558.7935	1558.7402	-0.0533	-34	23	35	NPDPETMLLPYLR												Mascot
	1664.8094	1664.8387	0.0293	18	828	842	CVLGERGEDMLITGGR			Oxidation (M)[9]									Mascot
	1664.8094	1664.8387	0.0293	18	828	842	CVLGERGEDMLITGGR			Oxidation (M)[9]									Mascot
	1721.8308	1721.8553	0.0245	14	828	842	CVLGERGEDMLITGGR			Carbamidomethyl (C)[1], Oxidation (M)[9]									Mascot
	1979.9603	1979.876	-0.0843	-43	1023	1042	DGSVLVSHGGAEMGGG LHTK												Mascot
	1979.9603	1979.876	-0.0843	-43	1023	1042	DGSVLVSHGGAEMGGG LHTK												Mascot
	2167.041	2167.0413	0.0003	0	252	271	ADYPQAPLVMGNTTIGLD MK			Oxidation (M)[10,19]									Mascot
	2213.0247	2213.075	0.0503	23	296	316	SEGVCVGAGCSMSDLKS VLEK			Carbamidomethyl (C)[5,10]									Mascot
	2213.0247	2213.075	0.0503	23	296	316	SEGVCVGAGCSMSDLKS VLEK			Carbamidomethyl (C)[5,10]									Mascot
	2297.1516	2297.166	0.0144	6	533	552	DVIQMEVPQEMQSAIQPL PK			Oxidation (M)[5]									Mascot
	2340.1792	2340.0396	-0.1396	-60	200	219	DDLLPLDPSQDLIFPEL MR			Oxidation (M)[19]									Mascot
7	PREDICTED: aldehyde oxidase [Danio rerio]				gi 326678456		147462.5	6.32	14	39	0	9	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4665	842.5003	0.0338	40	791	797	VTCHVKR					Mascot
865.4018	865.4321	0.0303	35	1306	1313	ACLACATR			Carbamidomethyl (C)[2]		Mascot
865.4018	865.4321	0.0303	35	1306	1313	ACLACATR	9	0	Carbamidomethyl (C)[2]		Mascot
996.6564	996.5855	-0.0709	-71	1000	1008	RGISIIPIK					Mascot
1051.5684	1051.701	0.1326	126	709	716	ESFFLPRR					Mascot
1179.5615	1179.5869	0.0254	22	1115	1123	GTWQNWIMK			Oxidation (M)[8]		Mascot
1179.5615	1179.5869	0.0254	22	1115	1123	GTWQNWIMK			Oxidation (M)[8]		Mascot
1320.6212	1320.5663	-0.0549	-42	221	231	MAEDKDQSIQR					Mascot
1395.6433	1395.6449	0.0016	1	226	236	DQSIQRFCGER			Carbamidomethyl (C)[8]		Mascot

	1395.6433	1395.6449	0.0016	1	226	236	DQSIQRF CGER		Carbamidomethyl (C)[8]	Mascot
	1558.7935	1558.7402	-0.0533	-34	23	35	NPDPETMLLPYLR			Mascot
	1664.8094	1664.8387	0.0293	18	829	843	CVL RGEDMLITGGR		Oxidation (M)[9]	Mascot
	1664.8094	1664.8387	0.0293	18	829	843	CVL RGEDMLITGGR		Oxidation (M)[9]	Mascot
	1721.8308	1721.8553	0.0245	14	829	843	CVL RGEDMLITGGR		Carbamidomethyl (C)[1], Oxidation (M)[9]	Mascot
	1979.9603	1979.876	-0.0843	-43	1030	1049	DGSVLVSHGGAEMGQG LHTK			Mascot
	1979.9603	1979.876	-0.0843	-43	1030	1049	DGSVLVSHGGAEMGQG LHTK			Mascot
	2167.041	2167.0413	0.0003	0	253	272	ADYPQAPLVMGNTTIGLD MK		Oxidation (M)[10,19]	Mascot
	2213.0247	2213.075	0.0503	23	297	317	SEGVCVGAGCSMDLKS VLEK		Carbamidomethyl (C)[5,10]	Mascot
	2213.0247	2213.075	0.0503	23	297	317	SEGVCVGAGCSMDLKS VLEK		Carbamidomethyl (C)[5,10]	Mascot
	2297.1516	2297.166	0.0144	6	534	553	DVIQMEVPQEMQSAIQPL PK		Oxidation (M)[5]	Mascot
	2340.1792	2340.0396	-0.1396	-60	201	220	DDLPLDPSQDLIFPEL MR		Oxidation (M)[19]	Mascot

8 PREDICTED: hypothetical protein LOC100003217 [Danio rerio] gi|326678765 31640.9 5.2 9 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
842.4114	842.5003	0.0889	106	78	84	SREAHDK					Mascot	
941.6141	941.4741	-0.14	-149	4	11	IQVNIKVK					Mascot	
1193.5289	1193.6022	0.0733	61	53	62	LCQECGLDAK			Carbamidomethyl (C)[2,5]		Mascot	
1277.6704	1277.696	0.0256	20	208	218	LICEMARQIGK			Oxidation (M)[5]		Mascot	
1475.7887	1475.741	-0.0477	-32	66	77	TDLLLRLSEEMR					Mascot	
1493.6835	1493.7156	0.0321	21	53	65	LCQECGLDAKGSR			Carbamidomethyl (C)[2,5]		Mascot	
1838.9792	1838.9012	-0.078	-42	36	52	VADATYSMSLTGVIRR					Mascot	
2210.9482	2211.0813	0.1331	60	196	214	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot	
2283.9646	2284.1531	0.1885	83	196	214	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]		Mascot	
2584.1628	2584.1792	0.0164	6	186	207	EEFWSLGLLRDMDSHIGNACMK			Oxidation (M)[12,21]		Mascot	

9 Pbx2 [Danio rerio] gi|7861936 18895.6 9.08 6 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
1051.5782	1051.701	0.1228	117	133	141	FSSIQTQLK					Mascot	
1179.6442	1179.5869	-0.0573	-49	1	10	ALFSVLCEIK			Carbamidomethyl (C)[7]		Mascot	

	1179.6732	1179.5869	-0.0863	-73	132	141	KFSSIQTQLK	10	0		Mascot
	1323.6395	1323.6616	0.0221	17	142	152	QSTCEAVMILR			Carbamidomethyl (C)[4], Oxidation (M)[8]	Mascot
	1493.7563	1493.7156	-0.0407	-27	142	154	QSTCEAVMILRSR				Mascot
	2283.1836	2283.1528	-0.0308	-13	133	152	FSSIQTQLKQSTCEAVMI LR				Mascot
	2299.1785	2299.1587	-0.0198	-9	133	152	FSSIQTQLKQSTCEAVMI LR			Oxidation (M)[17]	Mascot
	2340.2051	2340.0396	-0.1655	-71	133	152	FSSIQTQLKQSTCEAVMI LR			Carbamidomethyl (C)[13]	Mascot
10	pleckstrin homology domain-containing family G member 7 [Danio rerio]				gi 113681918	49035.5	6.76	9	37	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1165.6034	1165.5758	-0.0276	-24	1	10	MSLVDFLQGR					Mascot
1165.6034	1165.7302	0.1268	109	1	10	MSLVDFLQGR					Mascot
1193.6313	1193.6022	-0.0291	-24	219	227	WLDNYQKVK					Mascot
1320.6001	1320.5663	-0.0338	-26	61	70	QCLQDIDSWR			Carbamidomethyl (C)[2]		Mascot
1365.6289	1365.6262	-0.0027	-2	115	126	AFSESICHCLQK					Mascot
1493.7239	1493.7156	-0.0083	-6	114	126	KAFSESICHCLQK					Mascot
1638.8519	1638.8412	-0.0107	-7	1	14	MSLVDFLQGRSELK			Oxidation (M)[1]		Mascot
1707.8986	1707.7494	-0.1492	-87	387	401	AWMSEIEKAVSSLLK			Oxidation (M)[3]		Mascot
2183.1528	2183.0308	-0.122	-56	368	386	YQQCIAVFVLQAQSESIK K					Mascot
2283.9646	2284.1531	0.1885	83	95	113	EMWTDPDSCSTQSLHDL FR			Oxidation (M)[2]		Mascot

11	PREDICTED: transposon TX1 uncharacterized 149 kDa protein-like [Danio rerio]				gi 326674296	180436.7	7.83	21	36	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4087	850.5319	0.1232	145	595	601	DITQAMR			Oxidation (M)[6]		Mascot
996.493	996.5855	0.0925	93	564	571	KQCFSDLR					Mascot
1045.5717	1045.5494	-0.0223	-21	662	669	FFFSLEKK					Mascot
1062.5863	1062.6783	0.092	87	1313	1321	DMELLKGLK			Oxidation (M)[2]		Mascot
1179.6455	1179.5869	-0.0586	-50	1218	1226	VWRLFSLCR					Mascot
1179.6844	1179.5869	-0.0975	-83	855	864	SILDNVHLIR					Mascot
1193.6711	1193.6022	-0.0689	-58	306	314	RMQLYELIK					Mascot
1302.7239	1302.7031	-0.0208	-16	307	316	MQLYELIKHK					Mascot
1320.5571	1320.5663	0.0092	7	87	97	CFGCGQEGHLR			Carbamidomethyl (C)[1,4]		Mascot

1395.6573	1395.6449	-0.0124	-9	650	661	YQNLQMDAPSK							Mascot
1395.6573	1395.6449	-0.0124	-9	650	661	YQNLQMDAPSK							Mascot
1411.6522	1411.6357	-0.0165	-12	650	661	YQNLQMDAPSK			Oxidation (M)[7]				Mascot
1411.6522	1411.6357	-0.0165	-12	650	661	YQNLQMDAPSK			Oxidation (M)[7]				Mascot
1475.71	1475.741	0.031	21	583	594	LFCQQYAFNVSR							Mascot
1541.7417	1541.7236	-0.0181	-12	1028	1040	WEEGLPELPGQMR							Mascot
1638.7904	1638.8412	0.0508	31	648	661	SRYQNLQMDAPSK							Mascot
1707.775	1707.7494	-0.0256	-15	1357	1370	DVNLTMQKGTMYK			Oxidation (M)[6,7,12]				Mascot
1838.8265	1838.9012	0.0747	41	71	86	VDGYDYVVFASSETMR							Mascot
1994.0642	1993.9424	-0.1218	-61	276	291	IVFVFCYTLFLMGVIR			Carbamidomethyl (C)[6], Oxidation (M)[12]				Mascot
1994.0642	1993.9424	-0.1218	-61	276	291	IVFVFCYTLFLMGVIR			Carbamidomethyl (C)[6], Oxidation (M)[12]				Mascot
2197.322	2197.0498	-0.2722	-124	1500	1518	WQLINFLVGQAALILTR							Mascot
2197.322	2197.0498	-0.2722	-124	1500	1518	WQLINFLVGQAALILTR							Mascot
2230.1299	2230.1218	-0.0081	-4	1202	1220	NICLNGLPSFYCGLFKVW R							Mascot
2249.1885	2249.0403	-0.1482	-66	1271	1291	HVVDVAGTELNNVDAVT NLLR							Mascot
2297.25	2297.166	-0.084	-37	1422	1443	ILHGIVAVNAFISVVNSSV DDK							Mascot
2384.2754	2383.9229	-0.3525	-148	806	825	GNLQEIKNWRPVSLLCD LK			Carbamidomethyl (C)[16]				Mascot

12 hypothetical protein LOC368754 [Danio rerio] gi|52627185 31749.8 9.91 7 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4492	842.5003	0.0511	61	249	255	HHAGHRK					Mascot
1179.5826	1179.5869	0.0043	4	173	183	AFSAAPQMTQK					Mascot
1179.5826	1179.5869	0.0043	4	173	183	AFSAAPQMTQK	8		0		Mascot
1434.7335	1434.7539	0.0204	14	80	92	FKNTGLQDTSPAR					Mascot
1558.6373	1558.7402	0.1029	66	45	58	NGSRDTGYTCPECR					Mascot
1664.8424	1664.8387	-0.0037	-2	173	187	AFSAAPQMTQKLESR					Mascot
1664.8424	1664.8387	-0.0037	-2	173	187	AFSAAPQMTQKLESR					Mascot
2248.9209	2249.0403	0.1194	53	151	169	TAPGVCSQFCASCDEA WR			Carbamidomethyl (C)[6,10,13]		Mascot
3984.8018	3984.9224	0.1206	30	5	39	SLEDLPFTCPICLDALK DPVTIPCGHNYCMSCIK			Carbamidomethyl (C)[10,13], Oxidation (M)[31]		Mascot

13 PREDICTED: dynein beta chain, ciliary [Danio rerio] gi|292614668 513650.8 5.75 29 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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850.4087	850.5319	0.1232	145	781	787	STCDLVR	Carbamidomethyl (C)[3]	Mascot
865.4811	865.4321	-0.049	-57	3201	3208	ASKVVMSK	Oxidation (M)[6]	Mascot
865.4811	865.4321	-0.049	-57	3201	3208	ASKVVMSK	Oxidation (M)[6]	Mascot
1045.4983	1045.5494	0.0511	49	3641	3649	HTAAEIEMK	Oxidation (M)[8]	Mascot
1109.4602	1109.4812	0.021	19	389	397	MELEEGMDR		Mascot
1165.5704	1165.5758	0.0054	5	4254	4262	MNMLINEIR	Oxidation (M)[1,3]	Mascot
1165.5704	1165.7302	0.1598	137	4254	4262	MNMLINEIR	Oxidation (M)[1,3]	Mascot
1179.5385	1179.5869	0.0484	41	3818	3827	KMVESECPEK		Mascot
1179.5385	1179.5869	0.0484	41	3818	3827	KMVESECPEK		Mascot
1193.6525	1193.6022	-0.0503	-42	1578	1587	ALAEYLETKR		Mascot
1277.6671	1277.696	0.0289	23	2654	2664	MSQNFLPTAIR		Mascot
1320.694	1320.5663	-0.1277	-97	231	242	LMGSVLQRDSAK	Oxidation (M)[2]	Mascot
1323.5812	1323.6616	0.0804	61	13	23	SYDGQEPDKER		Mascot
1365.6024	1365.6262	0.0238	17	3819	3829	MVESECPEKEK	Carbamidomethyl (C)[6]	Mascot
1395.8141	1395.6449	-0.1692	-121	1134	1145	LVDIMSHLKAIR		Mascot
1395.8141	1395.6449	-0.1692	-121	1134	1145	LVDIMSHLKAIR		Mascot
1411.809	1411.6357	-0.1733	-123	1134	1145	LVDIMSHLKAIR	Oxidation (M)[5]	Mascot
1411.809	1411.6357	-0.1733	-123	1134	1145	LVDIMSHLKAIR	4 0 Oxidation (M)[5]	Mascot
1493.7781	1493.7156	-0.0625	-42	1148	1159	QMSTEQLFRPLK	Oxidation (M)[2]	Mascot
1541.8434	1541.7236	-0.1198	-78	704	717	NHNIPKAAVSLYSK		Mascot
1638.7574	1638.8412	0.0838	51	3440	3453	MSTQNATILTNCER	Carbamidomethyl (C)[12]	Mascot
1664.7367	1664.8387	0.102	61	2053	2065	EDRSCPEEQVLMR	Carbamidomethyl (C)[5], Oxidation (M)[12]	Mascot
1664.7367	1664.8387	0.102	61	2053	2065	EDRSCPEEQVLMR	Carbamidomethyl (C)[5], Oxidation (M)[12]	Mascot
1774.9122	1774.8724	-0.0398	-22	2177	2192	AVTTDELFGFLHPATR		Mascot
1917.9453	1917.8788	-0.0665	-35	1507	1522	TWAHLQSIFTNSEDIR		Mascot
1948.1418	1947.8925	-0.2493	-128	3454	3469	WPLLIDPQLQGIKWLK		Mascot
1994.0853	1993.9424	-0.1429	-72	1286	1302	SDIILVKAVWDMVMFVK		Mascot
1994.0853	1993.9424	-0.1429	-72	1286	1302	SDIILVKAVWDMVMFVK		Mascot
2183.0703	2183.0308	-0.0395	-18	2918	2935	ALGLLDTRENCWNFFIDR		Mascot
2197.0811	2197.0498	-0.0313	-14	3231	3248	VIKDEYLSDPEFNPEFVR		Mascot
2197.0811	2197.0498	-0.0313	-14	3231	3248	VIKDEYLSDPEFNPEFVR		Mascot
2230.1536	2230.1218	-0.0318	-14	303	321	VNYAVMEAEDIDLHLKTL R		Mascot
2283.2375	2283.1528	-0.0847	-37	3279	3299	LCLAQANADLVEAAEKLE IIR		Mascot
2297.1924	2297.166	-0.0264	-11	1264	1282	LQQTANLFEVSFPDYKQL R		Mascot
2340.259	2340.0396	-0.2194	-94	3279	3299	LCLAQANADLVEAAEKLE IIR	Carbamidomethyl (C)[2]	Mascot

	2367.1133	2367.2341	0.1208	51	1632	1652	EEKDNGELDPQTTIALGM YSR							Mascot
	2384.2332	2383.9229	-0.3103	-130	2654	2672	MSQNFLPTAIRFHYIFNLR					Oxidation (M)[1]		Mascot
	2584.188	2584.1792	-0.0088	-3	1875	1896	DLGRSLGIMVYVFNCS QMDYK					Oxidation (M)[9]		Mascot
	3498.6768	3498.668	-0.0088	-3	3407	3439	VPIPMSEGS DPISMLTDD ATIAKWNNGLPGDK							Mascot
14	28S ribosomal protein S16, mitochondrial [Danio rerio]				gi 54400562	14603.7	9.67	5	34	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1165.6588	1165.5758	-0.083	-71	11	20	KYHGGHVIR					Mascot
1165.6588	1165.7302	0.0714	61	11	20	KYHGGHVIR					Mascot
1302.7603	1302.7031	-0.0572	-44	1	11	MVHLSSFLLKK					Mascot
1918.048	1917.8788	-0.1692	-88	73	89	IKHWIACGAHTTKPVAK			Carbamidomethyl (C)[7]		Mascot
2213.1787	2213.075	-0.1037	-47	90	109	LLGLAGFFPLHPMTITEA ER					Mascot
2213.1787	2213.075	-0.1037	-47	90	109	LLGLAGFFPLHPMTITEA ER					Mascot
2369.2798	2368.9788	-0.301	-127	90	110	LLGLAGFFPLHPMTITEA ERR					Mascot

15	PREDICTED: hypothetical protein LOC100537922 [Danio rerio]				gi 326672557	45363.9	4.94	8	33	0				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1193.7616	1193.6022	-0.1594	-134	121	132	KPIGGASPLLK					Mascot
1664.8147	1664.8387	0.024	14	173	186	IKCFGCGNFGHLVR			Carbamidomethyl (C)[3,6]		Mascot
1664.8147	1664.8387	0.024	14	173	186	IKCFGCGNFGHLVR			Carbamidomethyl (C)[3,6]		Mascot
1917.9844	1917.8788	-0.1056	-55	159	174	VDDFDYVVFITTDKIK					Mascot
1964.15	1963.8793	-0.2707	-138	71	89	GIILEGVLTVMPLSLPSK					Mascot
1979.8785	1979.876	-0.0025	-1	175	191	CFGCGNFGHLVRNCPNK			Carbamidomethyl (C)[1,4]		Mascot
1980.1449	1979.876	-0.2689	-136	71	89	GIILEGVLTVMPLSLPSK			Oxidation (M)[12]		Mascot
2183.0801	2183.0308	-0.0493	-23	140	158	SVYMIVNNDADLDLALNF R					Mascot
2225.1487	2225.0955	-0.0532	-24	362	380	GVLVNEYFPDVEQFVDK VK					Mascot
2225.1487	2225.0955	-0.0532	-24	362	380	GVLVNEYFPDVEQFVDK VK					Mascot
3338.4224	3338.7371	0.3147	94	314	343	VDMEDESESDSELS SSLTSLSQSEFSSR					Mascot

16	RecName: Full=Contactin-1a; AltName: Full=F3/F11/contactin; AltName: Full=Neural cell recognition m				gi 55976512	114263.1	6.25	13	33	0				
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Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
865.489	865.4321	-0.0569	-66	918	925	SPPSRPPK					Mascot
865.489	865.4321	-0.0569	-66	918	925	SPPSRPPK					Mascot
1045.5173	1045.5494	0.0321	31	562	569	DAQHYQRK					Mascot
1062.5513	1062.6783	0.127	120	442	449	VVFECRPR			Carbamidomethyl (C)[5]		Mascot
1365.6857	1365.6262	-0.0595	-44	503	516	ANSTGSL SITDATK					Mascot
1434.7231	1434.7539	0.0308	21	1	12	MIPEAFQPRAMK			Oxidation (M)[1]		Mascot
1707.7683	1707.7494	-0.0189	-11	138	151	VQFGYLD MFSTDER					Mascot
2224.9749	2225.0955	0.1206	54	388	406	FSRLGFEDSGMYQCVAE NR			Oxidation (M)[11]		Mascot
2225.1772	2225.0955	-0.0817	-37	695	716	VIATNTLTGTPPSEPSK TTTR					Mascot
2230.0305	2230.1218	0.0913	41	114	134	SKHAGNYTCVASNQYGS VTSR					Mascot
2283.092	2283.1528	0.0608	27	594	614	YSCTAQT PVDNTTASAE VVR			Carbamidomethyl (C)[3]		Mascot
2284.2131	2284.1531	-0.06	-26	442	460	VVFECRPR AAPRPNITW SK			Carbamidomethyl (C)[5]		Mascot
2299.1426	2299.1587	0.0161	7	986	1007	GEYLVEVRAHSEGGDGA VAQVR					Mascot
3338.7102	3338.7371	0.0269	8	256	284	SPDSWALLGQNVLTLECF ALGNPIPIQRWR			Carbamidomethyl (C)[16]		Mascot
17	retinoic acid receptor RXR-beta-A [Danio rerio]			gi 24308520		48341.3	7.53	8	32	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
941.4365	941.4741	0.0376	40	152	159	CLAMGMKR			Oxidation (M)[4,6]		Mascot
1234.683	1234.6652	-0.0178	-14	237	246	QLFTLVEWAK					Mascot
1302.5242	1302.7031	0.1789	137	103	113	HYGVYSCEGCK			Carbamidomethyl (C)[7]		Mascot
1323.6144	1323.6616	0.0472	36	91	102	LCAICGDRSSGK			Carbamidomethyl (C)[2,5]		Mascot
1838.7988	1838.9012	0.1024	56	103	117	HYGVYSCEGCKGFFK			Carbamidomethyl (C)[7,10]		Mascot
2369.3074	2368.9788	-0.3286	-139	348	369	AIILFNPDAKGLSSPSEVE LLR					Mascot
2501.2302	2501.2224	-0.0078	-3	417	438	LIGDTPIDTFLMEMLEAPH QLT			Oxidation (M)[12]		Mascot
3985.8389	3985.8918	0.0529	13	199	236	ILEAEMAVEQKTELHADG SSGGSSPNPVTNICQA ADK			Carbamidomethyl (C)[33], Oxidation (M)[6]		Mascot
18	contactin-1a precursor [Danio rerio]			gi 136256388		114246.1	6.19	13	31	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type

	Seq.				Seq.	Score					
	865.489	865.4321	-0.0569	-66	918	925	SPPSRPPK			Mascot	
	865.489	865.4321	-0.0569	-66	918	925	SPPSRPPK			Mascot	
	1045.5173	1045.5494	0.0321	31	562	569	DAQHYQRK			Mascot	
	1062.5513	1062.6783	0.127	120	442	449	VVFECRPR	Carbamidomethyl (C)[5]		Mascot	
	1365.6857	1365.6262	-0.0595	-44	503	516	ANSTGSL SITDATK			Mascot	
	1434.7231	1434.7539	0.0308	21	1	12	MIPEAFQPRAMK	Oxidation (M)[1]		Mascot	
	1638.7581	1638.8412	0.0831	51	931	944	MHYSGSSINIAWEK	Oxidation (M)[1]		Mascot	
	1707.7683	1707.7494	-0.0189	-11	138	151	VQFGYLD MFSTDER			Mascot	
	2224.9749	2225.0955	0.1206	54	388	406	FSRLGFEDSGMYQCVAE NR	Oxidation (M)[11]		Mascot	
	2225.1772	2225.0955	-0.0817	-37	695	716	VIATNTLTGTPPSEPSK TTTR			Mascot	
	2230.0305	2230.1218	0.0913	41	114	134	SKHAGNYTCVASNQYGS VTSR			Mascot	
	2283.092	2283.1528	0.0608	27	594	614	YSCTAQT PVDNTTASAE VVR	Carbamidomethyl (C)[3]		Mascot	
	2284.2131	2284.1531	-0.06	-26	442	460	VVFECRPR AAPRPNITW SK	Carbamidomethyl (C)[5]		Mascot	
	2299.1426	2299.1587	0.0161	7	986	1007	GEYLVEVRAHSEGGDGA VAQVR			Mascot	
19	gamma-soluble NSF attachment protein [Danio rerio]				gi 61806530		33925.8	5.45	8	31	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	865.4413	865.4321	-0.0092	-11	207	214	ADYVAAQK					Mascot
	865.4413	865.4321	-0.0092	-11	207	214	ADYVAAQK					Mascot
	1045.5598	1045.5494	-0.0104	-10	123	131	LMEPLDLSK					Mascot
	1277.5177	1277.696	0.1783	140	185	194	EMENYPTCYK					Mascot
	1947.8939	1947.8925	-0.0014	-1	252	267	VCRSPLVTYMDNDYAK			Carbamidomethyl (C)[2], Oxidation (M)[10]		Mascot
	2183.1753	2183.0308	-0.1445	-66	196	214	CIAQVLVQLHRADYVAAQ K			Carbamidomethyl (C)[1]		Mascot
	2225.022	2225.0955	0.0735	33	21	39	TSFMKWKPDYDSAASEY AK					Mascot
	2225.022	2225.0955	0.0735	33	21	39	TSFMKWKPDYDSAASEY AK					Mascot
	2299.1062	2299.1587	0.0525	23	49	68	QLEQAKDAYLQEAHA NNR					Mascot
	2384.1221	2383.9229	-0.1992	-84	100	122	ASVMYVENGTPDTAAMA LDRAGK			Oxidation (M)[4]		Mascot
20	zinc finger CCHC domain-containing protein 9 [Danio rerio]				gi 38198649	28388.1	9.59	7	31	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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Seq. Seq. Score											
	1475.6478	1475.741	0.0932	63	147	158	CGSTEHEIQRCR			Carbamidomethyl (C)[1]	Mascot
	1664.8966	1664.8387	-0.0579	-35	81	95	HTPVDLRGEVETALK				Mascot
	1664.8966	1664.8387	-0.0579	-35	81	95	HTPVDLRGEVETALK				Mascot
	1721.9293	1721.8553	-0.074	-43	73	87	QTGQTLQKHTPVDLR				Mascot
	1838.8014	1838.9012	0.0998	54	58	72	QHDNEDVNGFMEYLK				Mascot
	2196.9397	2197.0498	0.1101	50	122	141	KPGHGLADCPEANNDEE MGR			Carbamidomethyl (C)[9]	Mascot
	2196.9397	2197.0498	0.1101	50	122	141	KPGHGLADCPEANNDEE MGR			Carbamidomethyl (C)[9]	Mascot
	2212.9346	2213.075	0.1404	63	122	141	KPGHGLADCPEANNDEE MGR			Carbamidomethyl (C)[9], Oxidation (M)[18]	Mascot
	2212.9346	2213.075	0.1404	63	122	141	KPGHGLADCPEANNDEE MGR			Carbamidomethyl (C)[9], Oxidation (M)[18]	Mascot
	2299.0845	2299.1587	0.0742	32	212	231	DCPEHQNSTNSITLGRLS NR			Carbamidomethyl (C)[2]	Mascot
	3338.3862	3338.7371	0.3509	105	113	141	SNMICFNCRKPGHGLAD CPEANNDEEMGR			Carbamidomethyl (C)[5,8], Oxidation (M)[3]	Mascot
21	pre-B-cell leukemia transcription factor 2 [Danio rerio]				gi 18859217	44196.6	6.32	7	31	0	
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
	850.41	850.5319	0.1219	143	85	91	HALNCHR				Mascot
	1051.5782	1051.701	0.1228	117	227	235	FSSIQTQLK				Mascot
	1179.6732	1179.5869	-0.0863	-73	226	235	KFSSIQTQLK				Mascot
	1179.6732	1179.5869	-0.0863	-73	226	235	KFSSIQTQLK	10	0		Mascot
	1323.6395	1323.6616	0.0221	17	236	246	QSTCEAVMILR			Carbamidomethyl (C)[4], Oxidation (M)[8]	Mascot
	1493.7563	1493.7156	-0.0407	-27	236	248	QSTCEAVMILRSR				Mascot
	2283.1836	2283.1528	-0.0308	-13	227	246	FSSIQTQLKQSTCEAVMI LR				Mascot
	2299.1785	2299.1587	-0.0198	-9	227	246	FSSIQTQLKQSTCEAVMI LR			Oxidation (M)[17]	Mascot
	2340.2051	2340.0396	-0.1655	-71	227	246	FSSIQTQLKQSTCEAVMI LR			Carbamidomethyl (C)[13]	Mascot
	2367.2246	2367.2341	0.0095	4	85	104	HALNCHRMKPALFSVLC EIK			Carbamidomethyl (C)[5]	Mascot
22	PREDICTED: hypothetical protein LOC100537788, partial [Danio rerio]				gi 326680782	28986.4	4.75	7	30	0	
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
	1193.5289	1193.6022	0.0733	61	28	37	LCQECGLDAK			Carbamidomethyl (C)[2,5]	Mascot
	1277.6704	1277.696	0.0256	20	197	207	LICEMARQIGK			Oxidation (M)[5]	Mascot

	1475.7887	1475.741	-0.0477	-32	41	52	TDLLRLSEEMR										Mascot
	1493.6835	1493.7156	0.0321	21	28	40	LCQECGLDAKGSR					Carbamidomethyl (C)[2,5]					Mascot
	1979.9708	1979.876	-0.0948	-48	60	77	VFEKIWAASGENPSSTEK										Mascot
	1979.9708	1979.876	-0.0948	-48	60	77	VFEKIWAASGENPSSTEK										Mascot
	2210.9482	2211.0813	0.1331	60	185	203	DMDSHIGNACMKLICEMAR					Carbamidomethyl (C)[10], Oxidation (M)[2]					Mascot
	2283.9646	2284.1531	0.1885	83	185	203	DMDSHIGNACMKLICEMAR					Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]					Mascot
	2584.1628	2584.1792	0.0164	6	175	196	EEFWSLGLLRDMDSHIGNACMK					Oxidation (M)[12,21]					Mascot
23	PREDICTED: LOW QUALITY PROTEIN: ryanodine receptor 2 [Danio rerio]					gi 189530774	552356.6	5.83	36	30	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
996.5624	996.5855	0.0231	23	3510	3516	LEIFYRR						Mascot
1045.5459	1045.5494	0.0035	3	75	83	ALQEMLANR						Mascot
1051.5604	1051.701	0.1406	134	2440	2448	AAMVLFLDR				Oxidation (M)[3]		Mascot
1062.5327	1062.6783	0.1456	137	1730	1738	VERFPGSDR						Mascot
1109.599	1109.4812	-0.1178	-106	4108	4116	QFIFDVVNK						Mascot
1165.567	1165.5758	0.0088	8	33	43	LCLAAEGFGER						Mascot
1165.567	1165.7302	0.1632	140	33	43	LCLAAEGFGER						Mascot
1179.6265	1179.5869	-0.0396	-34	2756	2765	CMLVLGWTIK				Oxidation (M)[2]		Mascot
1179.6265	1179.5869	-0.0396	-34	2756	2765	CMLVLGWTIK				Oxidation (M)[2]		Mascot
1277.6525	1277.696	0.0435	34	893	903	IEQGWTYGPVK						Mascot
1302.7239	1302.7031	-0.0208	-16	908	918	KVHLCCLVEFSK						Mascot
1320.6517	1320.5663	-0.0854	-65	2130	2139	VFYQHNP LMR				Oxidation (M)[9]		Mascot
1323.7242	1323.6616	-0.0626	-47	3528	3537	RPVWYKMLSK				Oxidation (M)[7]		Mascot
1365.6393	1365.6262	-0.0131	-10	3461	3471	FAQRDTEDEV R						Mascot
1411.6014	1411.6357	0.0343	24	2110	2120	MGKEEEECMIR				Carbamidomethyl (C)[8]		Mascot
1411.754	1411.6357	-0.1183	-84	925	936	IHTLQSS EDILR						Mascot
1558.7496	1558.7402	-0.0094	-6	3571	3583	VWLKAENDSPEDR						Mascot
1638.8268	1638.8412	0.0144	9	621	634	SNQHLCIDTLLPER						Mascot
1664.7948	1664.8387	0.0439	26	4256	4270	DPTMVEAIGVQDAFR				Oxidation (M)[4]		Mascot
1664.7948	1664.8387	0.0439	26	4256	4270	DPTMVEAIGVQDAFR				Oxidation (M)[4]		Mascot
1707.886	1707.7494	-0.1366	-80	1572	1584	LCVQH LTHTRWTR				Carbamidomethyl (C)[2]		Mascot
1774.8938	1774.8724	-0.0214	-12	2539	2554	AQREAIQDC LLAVCGK				Carbamidomethyl (C)[9]		Mascot
1838.8	1838.9012	0.1012	55	1330	1345	DPEDGEVD SDFELLMK						Mascot

1947.8943	1947.8925	-0.0018	-1	177	194	YLHVSWTNGEGNDSGV GR						Mascot
1979.8318	1979.876	0.0442	22	2168	2181	MVAHCCRFLCYFCR	Carbamidomethyl (C)[5,6,10,13]					Mascot
1979.9716	1979.876	-0.0956	-48	828	843	LELCHELTRNHTETQR						Mascot
2166.9756	2167.0413	0.0657	30	3618	3635	SKLEEDGLYMCYAEIMAK	Carbamidomethyl (C)[11], Oxidation (M)[10]					Mascot
2182.9705	2183.0308	0.0603	28	3618	3635	SKLEEDGLYMCYAEIMAK	Carbamidomethyl (C)[11], Oxidation (M)[10,16]					Mascot
2196.9246	2197.0498	0.1252	57	109	128	HAYSDMYLCCLSTSGLS SDK	Oxidation (M)[6]					Mascot
2197.0496	2197.0498	0.0002	0	3779	3796	FLQLLCEGHNSDFQNYL R						Mascot
2211.1018	2211.0813	-0.0205	-9	601	620	NHKILDVLCSLCVCHGMA VR						Mascot
2213.0259	2213.075	0.0491	22	3438	3458	LLSVAMNGCCHGDQGLV SHAK	Carbamidomethyl (C)[9], Oxidation (M)[6]					Mascot
2213.0259	2213.075	0.0491	22	3438	3458	LLSVAMNGCCHGDQGLV SHAK	Carbamidomethyl (C)[9], Oxidation (M)[6]					Mascot
2229.8894	2230.1218	0.2324	104	4721	4737	CDDMLTCYMFHMYGVGR	Carbamidomethyl (C)[1,7], Oxidation (M)[4,9]					Mascot
2233.0884	2233.0615	-0.0269	-12	1898	1917	VEAVISFSGDFVGHQLQED QR						Mascot
2249.2024	2249.0403	-0.1621	-72	2517	2538	SGPVDPELLQGVYLSKA SGLTK						Mascot
2283.2324	2283.1528	-0.0796	-35	3360	3378	LFSLVAEVFIFWAKSHNF K						Mascot
2284.1182	2284.1531	0.0349	15	601	620	NHKILDVLCSLCVCHGMA VR	Carbamidomethyl (C)[9], Oxidation (M)[17]					Mascot
2299.1499	2299.1587	0.0088	4	3472	3491	AYIHSILQQDLGNSVDP LR	Carbamidomethyl (C)[12]					Mascot
2367.2515	2367.2341	-0.0174	-7	1380	1400	QELNTSHSSARLLEEVL IEK						Mascot
2501.2944	2501.2224	-0.072	-29	3877	3897	LWDAAVVGFLHVF AHMQM KLSR	Oxidation (M)[15]					Mascot
3515.6643	3515.7007	0.0364	10	98	128	TLLYGQAVLFRHAYS DM YLCCLTSGLS SDK	Carbamidomethyl (C)[20], Oxidation (M)[17]					Mascot

24 PREDICTED: solute carrier family 15 member 5-like [Danio rerio] gi|125855224 64234.5 8.73 9 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
941.379	941.4741	0.0951	101	264	270	MCCLHYR			Oxidation (M)[1]		Mascot
1365.6532	1365.6262	-0.027	-20	406	417	DYPEVEQTLSGK					Mascot
1434.6504	1434.7539	0.1035	72	553	563	TCLRFYDTMER					Mascot
1493.7482	1493.7156	-0.0326	-22	405	417	KDYPEVEQTLSGK					Mascot
2045.9606	2045.9739	0.0133	7	167	184	AILCPMAAYHLQSCDQPK			Carbamidomethyl (C)[4]		Mascot
2183.0647	2183.0308	-0.0339	-16	285	304	ENNGGCYSETSVENVKIL VK					Mascot
2233.1621	2233.0615	-0.1006	-45	1	19	MLPIDVFDRPEHLLHGIC K					Mascot
2249.157	2249.0403	-0.1167	-52	1	19	MLPIDVFDRPEHLLHGIC K			Oxidation (M)[1]		Mascot

	2284.1101	2284.1531	0.043	19	317	336	ACITQIPSGYYLQTMHSN LK					Oxidation (M)[15]	Mascot
	3986.0854	3985.8918	-0.1936	-49	36	67	LQVIICVLFVELFERFTFF GIVCNMILFCTIK					Carbamidomethyl (C)[6,23,29], Oxidation (M)[25]	Mascot
25	ldh3a protein [Danio rerio]				gi 157423273		16736.4	6.89	5	29	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1109.5693	1109.4812	-0.0881	-79	7	17	STVSCIMGAIK					Mascot	
1411.6886	1411.6357	-0.0529	-37	118	129	IETACFDTIRDK					Mascot	
1411.6886	1411.6357	-0.0529	-37	118	129	IETACFDTIRDK					Mascot	
1707.8669	1707.7494	-0.1175	-69	2	17	ANAWRSTVSCIMGAIK					Mascot	
1838.9073	1838.9012	-0.0061	-3	1	17	MANAWRSTVSCIMGAIK					Mascot	
1917.9885	1917.8788	-0.1097	-57	7	24	STVSCIMGAIKTQTPQPR					Mascot	

26	DNA repair protein XRCC3 [Danio rerio]				gi 61806653		38597.4	8.94	7	29	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
941.4396	941.4741	0.0345	37	271	279	CDYGLVGSK					Mascot	
1051.6007	1051.701	0.1003	95	49	58	LHQAVAASVR					Mascot	
1179.6957	1179.5869	-0.1088	-92	49	59	LHQAVAASVRK					Mascot	
1179.6957	1179.5869	-0.1088	-92	49	59	LHQAVAASVRK					Mascot	
1277.7365	1277.696	-0.0405	-32	317	327	LEVVFAPHLPR					Mascot	
1302.778	1302.7031	-0.0749	-57	209	220	LLVDSVAALFR					Mascot	
2283.2827	2283.1528	-0.1299	-57	280	299	VLPALGIWANQVMVRL MLR			Oxidation (M)[14,18]		Mascot	
3985.05	3984.9224	-0.1276	-32	234	270	HLLAFSSTLHRLSHTYAA PVLGVNQVTDVVDGPNP GR					Mascot	

27	Snd1 protein [Danio rerio]				gi 28839773		32151.3	8.24	7	29	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1045.5459	1045.5494	0.0035	3	1	10	MASAVPAQVR			Oxidation (M)[1]		Mascot	
1193.6017	1193.6022	0.0005	0	235	244	EGMVMVDIRK			Oxidation (M)[3]		Mascot	
1234.6646	1234.6652	0.0006	0	26	36	MVLSGCAIIVR			Carbamidomethyl (C)[6], Oxidation (M)[1]		Mascot	
1558.9171	1558.7402	-0.1769	-113	22	36	GIVKMVLSGCAIIVR					Mascot	
1664.806	1664.8387	0.0327	20	94	107	EVCFTVENKTPQGR			Carbamidomethyl (C)[3]		Mascot	

	1664.806	1664.8387	0.0327	20	94	107	EVCFTVENKTPQGR									Carbamidomethyl (C)[3]	Mascot
	1994.0129	1993.9424	-0.0705	-35	130	146	VESPAKVHVFIIDYGNR										Mascot
	1994.0129	1993.9424	-0.0705	-35	130	146	VESPAKVHVFIIDYGNR										Mascot
	2183.135	2183.0308	-0.1042	-48	1	21	MASAVPAQVRSSQASAP QLQR										Mascot
28	PREDICTED: pappalysin-1-like, partial [Danio rerio]					gi 326668305	67040.5	5.82	7	29	0	12	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
865.3468	865.4321	0.0853	99	483	489	QCTEDGR			Carbamidomethyl (C)[2]		Mascot
865.3468	865.4321	0.0853	99	483	489	QCTEDGR	12	0	Carbamidomethyl (C)[2]		Mascot
1234.679	1234.6652	-0.0138	-11	256	267	SEFVAISGVGLR					Mascot
1707.8127	1707.7494	-0.0633	-37	326	340	CTVVCNCGYVLQIHR					Mascot
1721.8428	1721.8553	0.0125	7	554	568	DGNWTGSFRLCPQLK					Mascot
1917.8833	1917.8788	-0.0045	-2	362	378	WNKQVSCEPVDCGLPDK					Mascot
2183.0132	2183.0308	0.0176	8	341	360	DDDIKSQTDSVTITCAD R					Mascot
2584.0166	2584.1792	0.1626	63	44	66	SLGEECDLNMNGDGC SSHCKK			Carbamidomethyl (C)[6,17,21]		Mascot

29	annexin [Danio rerio]					gi 2760526	19821.2	5.63	5	29	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4042	842.5003	0.0961	114	70	75	VFEETR					Mascot
1411.7151	1411.6357	-0.0794	-56	105	116	CARSVPLYFAER					Mascot
1411.7151	1411.6357	-0.0794	-56	105	116	CARSVPLYFAER					Mascot
1541.9196	1541.7236	-0.196	-127	94	107	SLQKILLAVVKCAR					Mascot
1774.9196	1774.8724	-0.0472	-27	108	122	SVPLYFAERLYAAMK			Oxidation (M)[14]		Mascot
3515.8413	3515.7007	-0.1406	-40	15	47	MLVLLQASTQQGIQESL IQSDAQALFAAGEQK					Mascot

30	PREDICTED: rho GTPase-activating protein 21-like [Danio rerio]					gi 326679516	203369.8	8.31	17	29	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4417	850.5319	0.0902	106	151	157	VFSENVNR					Mascot
996.4971	996.5855	0.0884	89	867	874	GHCLYLYK					Mascot
1045.5248	1045.5494	0.0246	24	298	305	RLYMYGSR					Mascot

1193.5844	1193.6022	0.0178	15	1423	1432	LSCSPGFNRR	Carbamidomethyl (C)[3]	Mascot
1234.6387	1234.6652	0.0265	21	328	339	QKSASTTATPSR		Mascot
1434.6754	1434.7539	0.0785	55	367	380	SASQERLGAECAR		Mascot
1475.6986	1475.741	0.0424	29	1003	1015	ATSPHSPNKEHDR		Mascot
1541.7628	1541.7236	-0.0392	-25	898	910	ACLIDISYSDTKR	Carbamidomethyl (C)[2]	Mascot
1638.9214	1638.8412	-0.0802	-49	1125	1138	DLNVISSLLKSFFR		Mascot
1917.8945	1917.8788	-0.0157	-8	424	438	ACCRTDTEEWLLVHK	Carbamidomethyl (C)[2,3]	Mascot
1963.9906	1963.8793	-0.1113	-57	1413	1431	TSSVLSPSPKLSCSPGFN R		Mascot
2045.9458	2045.9739	0.0281	14	1746	1762	GDSQNMSIRDWIVSEHR	Oxidation (M)[6]	Mascot
2183.0825	2183.0308	-0.0517	-24	878	897	DGQTNANSQIEEELPISI K		Mascot
2196.8994	2197.0498	0.1504	68	1219	1236	TSEDNMTHMVTHMPDQY K	Oxidation (M)[6,9]	Mascot
2196.8994	2197.0498	0.1504	68	1219	1236	TSEDNMTHMVTHMPDQY K	Oxidation (M)[6,9]	Mascot
2212.8945	2213.075	0.1805	82	1219	1236	TSEDNMTHMVTHMPDQY K	Oxidation (M)[6,9,13]	Mascot
2212.8945	2213.075	0.1805	82	1219	1236	TSEDNMTHMVTHMPDQY K	Oxidation (M)[6,9,13]	Mascot
2283.0723	2283.1528	0.0805	35	1707	1725	HTMGQQRDFAELDVIHD WR		Mascot
2297.0137	2297.166	0.1523	66	1357	1376	NNNPTQKQSHQSQEEDE AGR		Mascot
2299.0674	2299.1587	0.0913	40	1707	1725	HTMGQQRDFAELDVIHD WR	Oxidation (M)[3]	Mascot
3338.5588	3338.7371	0.1783	53	1439	1470	CSISDPSSQLDETTSDLG TMSSGASVPTRPR		Mascot

31 PREDICTED: hypothetical protein LOC100330054 [Danio rerio] gi|326680669 21210.7 4.52 5 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1277.6704	1277.696	0.0256	20	117	127	LICEMARQIGK			Oxidation (M)[5]		Mascot
1838.9131	1838.9012	-0.0119	-6	142	158	ETPNINIVNGLPEDADLK					Mascot
2210.9482	2211.0813	0.1331	60	105	123	DMDSHIGNACMKLICEMA R			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
2283.9646	2284.1531	0.1885	83	105	123	DMDSHIGNACMKLICEMA R			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]		Mascot
2584.1628	2584.1792	0.0164	6	95	116	EEFWSLGLLRDMDSHIG NACMK			Oxidation (M)[12,21]		Mascot
3515.6399	3515.7007	0.0608	17	159	190	DLLAFPAWTNANGPDHL VVCENFLPSGSWDMV					Mascot

32 PREDICTED: hypothetical protein LOC799338 [Danio rerio] gi|326667977 158597.6 6.54 14 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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												Seq.		Seq.		Score					
	941.593	941.4741	-0.1189	-126	478	485	VALKFVHK													Mascot	
	1165.5922	1165.5758	-0.0164	-14	1081	1090	FDDVMKPVAK												Oxidation (M)[5]	Mascot	
	1165.5922	1165.7302	0.138	118	1081	1090	FDDVMKPVAK												Oxidation (M)[5]	Mascot	
	1302.7012	1302.7031	0.0019	1	941	951	RVEDLSSDILR													Mascot	
	1395.6475	1395.6449	-0.0026	-2	1304	1314	HQQCSLVDFYR													Mascot	
	1395.6871	1395.6449	-0.0422	-30	925	935	KQEFMNVCLAR												Carbamidomethyl (C)[8]	Mascot	
	1411.682	1411.6357	-0.0463	-33	925	935	KQEFMNVCLAR												Carbamidomethyl (C)[8], Oxidation (M)[5]	Mascot	
	1411.682	1411.6357	-0.0463	-33	925	935	KQEFMNVCLAR	4		0									Carbamidomethyl (C)[8], Oxidation (M)[5]	Mascot	
	1918.0756	1917.8788	-0.1968	-103	584	600	AVHEDNILVNPCTLQVK													Mascot	
	2167.0522	2167.0413	-0.0109	-5	1287	1303	LQLELIELQCDYECRGK												Carbamidomethyl (C)[10,14]	Mascot	
	2182.8828	2183.0308	0.148	68	348	367	CEPTQFPDDSEEPSTSS GGR												Carbamidomethyl (C)[1]	Mascot	
	2197.1545	2197.0498	-0.1047	-48	636	655	VCGIRPVHFALEENVTSV AR													Mascot	
	2197.1545	2197.0498	-0.1047	-48	636	655	VCGIRPVHFALEENVTSV AR													Mascot	
	2213.0576	2213.075	0.0174	8	1004	1023	GLTRGTDLFVSVCEAVD DMK												Carbamidomethyl (C)[13]	Mascot	
	2213.0576	2213.075	0.0174	8	1004	1023	GLTRGTDLFVSVCEAVD DMK												Carbamidomethyl (C)[13]	Mascot	
	2296.9807	2297.166	0.1853	81	13	33	GETSNCSRPEAENTSSG SRDR												Carbamidomethyl (C)[6]	Mascot	
	2298.8875	2299.1587	0.2712	118	180	199	CEPSQFPDDNEEPSTSS GCR												Carbamidomethyl (C)[1,19]	Mascot	
	2340.125	2340.0396	-0.0854	-36	1008	1028	GTDLFVSVCEAVDDMKL PWSK													Mascot	
	2584.0386	2584.1792	0.1406	54	705	727	SCQSPLEEPHSMDMYCDN LSDTGR													Mascot	
33	matrilin-3b [Danio rerio]				gi 56797994			38102	8.23	7	28	0									
Peptide Information																					
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification		Rank	Result	Type					
	850.4451	850.5319	0.0868	102	211	217	AEMRSLK					Oxidation (M)[3]					Mascot				
	1062.5579	1062.6783	0.1204	113	79	87	SVRPAEF EK										Mascot				
	1323.5957	1323.6616	0.0659	50	287	297	TCSKQTNEEAR					Carbamidomethyl (C)[2]					Mascot				
	1411.7903	1411.6357	-0.1546	-110	176	188	VAIIVTDGRPQDK										Mascot				
	1411.7903	1411.6357	-0.1546	-110	176	188	VAIIVTDGRPQDK										Mascot				
	1918.0432	1917.8788	-0.1644	-86	108	124	VALVNYASTVNIEFHLK										Mascot				
	2046.1382	2045.9739	-0.1643	-80	108	125	VALVNYASTVNIEFHLKK										Mascot				
	2211.1326	2211.0813	-0.0513	-23	88	107	VKIFLSEMVNSLDIGSDAT R					Oxidation (M)[8]					Mascot				
34	fermitin family homolog 1 [Danio rerio]				gi 82658266			52137.6	8.67	9	28	0									

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
1109.5884	1109.4812	-0.1072	-97	171	179	EPGKICHLR				Carbamidomethyl (C)[6]	Mascot
1165.5558	1165.5758	0.02	17	376	384	EPLIECYNK				Carbamidomethyl (C)[6]	Mascot
1165.5558	1165.7302	0.1744	150	376	384	EPLIECYNK				Carbamidomethyl (C)[6]	Mascot
1411.7589	1411.6357	-0.1232	-87	349	360	FHPCPVLMGLIK				Carbamidomethyl (C)[4]	Mascot
1411.7589	1411.6357	-0.1232	-87	349	360	FHPCPVLMGLIK				Carbamidomethyl (C)[4]	Mascot
1434.741	1434.7539	0.0129	9	376	386	EPLIECYNKLR				Carbamidomethyl (C)[6]	Mascot
1541.5842	1541.7236	0.1394	90	1	13	MAECVNSDEESR				Carbamidomethyl (C)[4]	Mascot
1994.0449	1993.9424	-0.1025	-51	198	215	IIVFETCAGLVLGSMER				Carbamidomethyl (C)[7]	Mascot
1994.0449	1993.9424	-0.1025	-51	198	215	IIVFETCAGLVLGSMER				Carbamidomethyl (C)[7]	Mascot
2249.0286	2249.0403	0.0117	5	285	303	NSEAQSMEISLDPQEQM RR					Mascot
2367.2676	2367.2341	-0.0335	-14	339	360	NADGLVIASRFHPCPVLM GLIK				Oxidation (M)[18]	Mascot
3498.77	3498.668	-0.102	-29	44	74	QWFFMDNAVGLYGT FEIVAGGSLKHKPVK					Mascot
35	LOC560371 protein [Danio rerio]			gi 159155589		59848.1	8.43	8	28	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
1277.5905	1277.696	0.1055	83	448	457	ILCYEKCYDK					Mascot
1302.6536	1302.7031	0.0495	38	460	470	LNKDDNEIVDK					Mascot
1964.1554	1963.8793	-0.2761	-141	495	510	AAVYNLFLLLWLMIR					Mascot
1980.1503	1979.876	-0.2743	-139	495	510	AAVYNLFLLLWLMIR				Oxidation (M)[14]	Mascot
1980.1503	1979.876	-0.2743	-139	495	510	AAVYNLFLLLWLMIR				Oxidation (M)[14]	Mascot
1994.0198	1993.9424	-0.0774	-39	73	90	LAVGMVEKCSQANIQFQ K					Mascot
1994.0198	1993.9424	-0.0774	-39	73	90	LAVGMVEKCSQANIQFQ K					Mascot
2297.1516	2297.166	0.0144	6	342	362	DLQACVLSSVELQVLTGS CFK				Carbamidomethyl (C)[5]	Mascot
2384.1948	2383.9229	-0.2719	-114	105	125	DCTATATMEALLYKPIDR VTR				Oxidation (M)[8]	Mascot
2584.301	2584.1792	-0.1218	-47	292	313	MNEQESCLLLNSPTIPFRI HNK					Mascot
3984.9211	3984.9224	0.0013	0	228	261	WYIPLADLSFQTLDES LPHVQTLAEHEIEMK					Mascot
36	LRP2-binding protein [Danio rerio]			gi 148922942		38119.7	5.7	6	28	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start	End	Sequence	Ion	C. I.	%	Modification	Rank Result Type

				Seq.	Seq.	Score					
	1277.6346	1277.696	0.0614	48	291	301	GIAIGMFYYAR		Oxidation (M)[6]		Mascot
	1365.6943	1365.6262	-0.0681	-50	261	272	AAALGQRVCEYK		Carbamidomethyl (C)[9]		Mascot
	1395.6685	1395.6449	-0.0236	-17	107	118	EDLGRAVEYMGR				Mascot
	1395.6685	1395.6449	-0.0236	-17	107	118	EDLGRAVEYMGR				Mascot
	1411.6635	1411.6357	-0.0278	-20	107	118	EDLGRAVEYMGR		Oxidation (M)[10]		Mascot
	1411.6635	1411.6357	-0.0278	-20	107	118	EDLGRAVEYMGR	4	0	Oxidation (M)[10]	Mascot
	2167.0369	2167.0413	0.0044	2	1	19	MDCSELDSTEKSKPSQL LR				Mascot
	2183.0317	2183.0308	-0.0009	0	1	19	MDCSELDSTEKSKPSQL LR		Oxidation (M)[1]		Mascot
	2233.0342	2233.0615	0.0273	12	112	131	AVEYMGRVAFWDSSEA GSVR		Oxidation (M)[5]		Mascot
	3498.647	3498.668	0.021	6	193	224	AFFWHSQACGNGSLESQ AALGLMYLYGHGVQR				Mascot
37	oxysterol binding protein-like 7 [Danio rerio]				gi 54400360	100618.9	8.73	11	28	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.5145	850.5319	0.0174	20	715	721	ITFVKSR					Mascot
1051.5836	1051.701	0.1174	112	81	88	WPLKGWHK					Mascot
1320.6035	1320.5663	-0.0372	-28	237	246	CQMELNELQR			Carbamidomethyl (C)[1]		Mascot
1475.7345	1475.741	0.0065	4	340	351	KLHQDICSMSLK			Carbamidomethyl (C)[7], Oxidation (M)[9]		Mascot
1664.8597	1664.8387	-0.021	-13	656	670	SLEIMPTGMVNVTLK			Oxidation (M)[5,9]		Mascot
1664.871	1664.8387	-0.0323	-19	268	281	MISMQNLSLDKPKK			Oxidation (M)[1,4]		Mascot
1964.0388	1963.8793	-0.1595	-81	147	162	SQDLYFIWVTKLSAHR					Mascot
1980.0048	1979.876	-0.1288	-65	577	594	MVYIAAFAISGYATAQFR					Mascot
1980.0048	1979.876	-0.1288	-65	577	594	MVYIAAFAISGYATAQFR					Mascot
2167.1289	2167.0413	-0.0876	-40	652	670	FWGKSLEIMPTGMVNVTLK			Oxidation (M)[9]		Mascot
2183.1064	2183.0308	-0.0756	-35	595	612	NRYPKPFNPVLGETFECIR					Mascot
3984.7759	3984.9224	0.1465	37	44	78	DWEVMDDCPADLTITAE NIQDANTPGICEGYLMKR			Carbamidomethyl (C)[8]		Mascot

38 PREDICTED: NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial-like [Danio

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.5319	0.0538	63	178	184	SPSKYLR					Mascot
1165.5571	1165.5758	0.0187	16	215	223	FLNHFANMR			Oxidation (M)[8]		Mascot

1165.6034	1165.7302	0.1268	109	78	87	MGSQVVIPYR	Oxidation (M)[1]	Mascot
1179.5752	1179.5869	0.0117	10	205	214	ASELFGREDR		Mascot
1179.5752	1179.5869	0.0117	10	205	214	ASELFGREDR		Mascot
1193.587	1193.6022	0.0152	13	195	204	NEFPDAIMK	Oxidation (M)[9]	Mascot
1475.8151	1475.741	-0.0741	-50	75	87	LGRMGSQVVIPYR		Mascot

39 PREDICTED: supervillin [Danio rerio] gi|326672283 147558.1 5.63 14 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5457	842.5003	-0.0454	-54	717	724	KVAVQLGK					Mascot
1109.5771	1109.4812	-0.0959	-86	989	997	LFCVRGETK			Carbamidomethyl (C)[3]		Mascot
1179.5562	1179.5869	0.0307	26	385	394	NSTIEVMEEK					Mascot
1179.5674	1179.5869	0.0195	17	1058	1068	EMGLNSNSSLK					Mascot
1193.595	1193.6022	0.0072	6	777	785	EKFLDWAER					Mascot
1411.6998	1411.6357	-0.0641	-45	596	607	GSEMAQYIQTQR					Mascot
1411.6998	1411.6357	-0.0641	-45	596	607	GSEMAQYIQTQR					Mascot
1434.7257	1434.7539	0.0282	20	934	947	GTSALMTVELGNNK					Mascot
1493.8209	1493.7156	-0.1053	-70	786	798	KPPKDEPVEEVK					Mascot
2213.1899	2213.075	-0.1149	-52	1016	1035	ASLLLLGVQNGQLYLWH					Mascot
2213.1899	2213.075	-0.1149	-52	1016	1035	GCK ASLLLLGVQNGQLYLWH					Mascot
2248.9688	2249.0403	0.0715	32	157	175	ELTVVDGNEEKNEEDEE					Mascot
2284.2092	2284.1531	-0.0561	-25	958	977	DR EPPCFLQLFLGGLVIHKG			Carbamidomethyl (C)[4]		Mascot
2367.0847	2367.2341	0.1494	63	52	72	CR QDEKISHFQSFTAGQED					Mascot
2501.1135	2501.2224	0.1089	44	645	667	ASNK GAGEPGEDELYESAIIES					Mascot
2584.1255	2584.1792	0.0537	21	1069	1090	NCVYR VNEMEEGTESKEFWDAL					Mascot
						GNQDR					

40 [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 4, mitochondrial [Danio rerio] gi|192453580 46637.8 7.67 8 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4855	850.5319	0.0464	55	3	9	FAQIMLK					Mascot
1109.621	1109.4812	-0.1398	-126	1	9	MKFAQIMLK					Mascot
1411.809	1411.6357	-0.1733	-123	55	66	QELPVRLANIMK					Mascot
1411.809	1411.6357	-0.1733	-123	55	66	QELPVRLANIMK					Mascot

	1664.8524	1664.8387	-0.0137	-8	277	291	VSLGTEDLTIKMSDR							Mascot
	1664.8524	1664.8387	-0.0137	-8	277	291	VSLGTEDLTIKMSDR							Mascot
	1947.9078	1947.8925	-0.0153	-8	210	225	MLCDQYYLTSPEVEIK			Oxidation (M)[1]				Mascot
	2284.085	2284.1531	0.0681	30	167	186	MLMNQHTLIFDGSTNPAH PK			Oxidation (M)[1,3]				Mascot
	2369.1052	2368.9788	-0.1264	-53	35	54	QFIDFGSANACEKTSFMF LR			Carbamidomethyl (C)[11]				Mascot
	3984.9517	3984.9224	-0.0293	-7	167	202	MLMNQHTLIFDGSTNPAH PKHIGSIDPNCDDVVEVVR							Mascot
41	ADP-ribosylation factor-like 13A [Danio rerio]						gi 41387122	46496	9.86	8	27	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5519	882.5566	0.0047	5	15	21	LQQPLRK					Mascot
1320.7634	1320.5663	-0.1971	-149	109	119	ETLVDLLKHPR					Mascot
1395.6395	1395.6449	0.0054	4	189	200	AVCLDYPDLCAR			Carbamidomethyl (C)[3]		Mascot
1395.6395	1395.6449	0.0054	4	189	200	AVCLDYPDLCAR			Carbamidomethyl (C)[3]		Mascot
1838.871	1838.9012	0.0302	16	189	203	AVCLDYPDLCARVMR			Carbamidomethyl (C)[3,10]		Mascot
1947.8833	1947.8925	0.0092	5	158	173	SLCHIEPCSASMDLRR			Carbamidomethyl (C)[3,8], Oxidation (M)[12]		Mascot
1963.988	1963.8793	-0.1087	-55	185	200	WLLRAVCLDYPDLCAR			Carbamidomethyl (C)[7]		Mascot
2299.2327	2299.1587	-0.074	-32	132	151	QDKMNALLGNELIEILSLE R					Mascot
2384.1309	2383.9229	-0.208	-87	2	20	FNLMNSNCCSWVSKLQQP LR			Carbamidomethyl (C)[7,8], Oxidation (M)[4]		Mascot

42	PREDICTED: hypothetical protein LOC797100 [Danio rerio]						gi 326681404	37240.7	5.09	7	27	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1193.5289	1193.6022	0.0733	61	89	98	LCQECGLDAK			Carbamidomethyl (C)[2,5]		Mascot
1277.6704	1277.696	0.0256	20	257	267	LICEMARQIGK			Oxidation (M)[5]		Mascot
1475.7887	1475.741	-0.0477	-32	102	113	TDLLRLRSEEMR					Mascot
1493.6835	1493.7156	0.0321	21	89	101	LCQECGLDAKGSR			Carbamidomethyl (C)[2,5]		Mascot
1774.7485	1774.8724	0.1239	70	315	330	FVVCESCLPSGSWDMV			Oxidation (M)[15]		Mascot
2210.9482	2211.0813	0.1331	60	245	263	DMDSHIGNACMKLICEMA R			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
2283.9646	2284.1531	0.1885	83	245	263	DMDSHIGNACMKLICEMA R			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]		Mascot
2584.1628	2584.1792	0.0164	6	235	256	EEFWSLGLLRDMDSHIG NACMK			Oxidation (M)[12,21]		Mascot

43	PREDICTED: calcium-dependent secretion activator 1 [Danio rerio]						gi 326668734	142952	5.72	13	27	0		
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Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type	
1045.5459	1045.5494	0.0035	3	280	288 LQMADQIAR					Mascot	
1179.6343	1179.5869	-0.0474	-40	578	586 ILWVQAMYP					Mascot	
1179.6343	1179.5869	-0.0474	-40	578	586 ILWVQAMYP					Mascot	
1365.691	1365.6262	-0.0648	-47	613	623 SWQIYADRAQK					Mascot	
1493.7166	1493.7156	-0.001	-1	802	813 CLEQAAQINYQR			Carbamidomethyl (C)[1]		Mascot	
1541.757	1541.7236	-0.0334	-22	760	772 YCFPFGRPEGALK			Carbamidomethyl (C)[2]		Mascot	
1664.8458	1664.8387	-0.0071	-4	158	173 VAKMVQTGGLSALDCR			Oxidation (M)[4]		Mascot	
1664.8458	1664.8387	-0.0071	-4	158	173 VAKMVQTGGLSALDCR			Oxidation (M)[4]		Mascot	
1721.8673	1721.8553	-0.012	-7	158	173 VAKMVQTGGLSALDCR			Carbamidomethyl (C)[15], Oxidation (M)[4]		Mascot	
1838.9213	1838.9012	-0.0201	-11	1029	1044 IPLSLCTMFNVMVDAK			Carbamidomethyl (C)[6]		Mascot	
2197.1174	2197.0498	-0.0676	-31	1095	1113 ISRYDEGTLFSSFLSFTVK					Mascot	
2197.1174	2197.0498	-0.0676	-31	1095	1113 ISRYDEGTLFSSFLSFTVK					Mascot	
2213.0767	2213.075	-0.0017	-1	802	819 CLEQAAQINYQRITDYAR			Carbamidomethyl (C)[1]		Mascot	
2213.0767	2213.075	-0.0017	-1	802	819 CLEQAAQINYQRITDYAR			Carbamidomethyl (C)[1]		Mascot	
2224.9397	2225.0955	0.1558	70	1	20 MLDPSSEEEESDGIVEEE SR					Mascot	
2224.9397	2225.0955	0.1558	70	1	20 MLDPSSEEEESDGIVEEE SR					Mascot	
2233.166	2233.0615	-0.1045	-47	84	101 LQLYVFVMRCIAYPFNAK			Carbamidomethyl (C)[10]		Mascot	
2249.1609	2249.0403	-0.1206	-54	84	101 LQLYVFVMRCIAYPFNAK			Carbamidomethyl (C)[10], Oxidation (M)[8]		Mascot	
2369.1475	2368.9788	-0.1687	-71	310	331 SSVNQLMANLESMPVSK GGEFK			Oxidation (M)[7]		Mascot	
2384.1658	2383.9229	-0.2429	-102	1029	1049 IPLSLCTMFNVMVDAKDQ SAK			Carbamidomethyl (C)[6], Oxidation (M)[8]		Mascot	
44	PREDICTED: rho GTPase-activating protein 21-like [Danio rerio]			gi 326679518		211650.9	8.29	17	27	0	

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
850.4417	850.5319	0.0902	106	225	231 VFSENV					Mascot
996.4971	996.5855	0.0884	89	941	948 GHCLYLYK					Mascot
1045.5248	1045.5494	0.0246	24	372	379 RLYMYGSR					Mascot
1193.5844	1193.6022	0.0178	15	1497	1506 LSCSPGFNRR			Carbamidomethyl (C)[3]		Mascot
1234.6387	1234.6652	0.0265	21	402	413 QKSASTTATPSR					Mascot
1434.6754	1434.7539	0.0785	55	441	454 SASQERLGGAECAR					Mascot

1475.6986	1475.741	0.0424	29	1077	1089	ATSPHSPNKEHDR						Mascot
1541.7628	1541.7236	-0.0392	-25	972	984	ACLIDISYSDTKR				Carbamidomethyl (C)[2]		Mascot
1638.9214	1638.8412	-0.0802	-49	1199	1212	DLNVISSLLKSFFR						Mascot
1917.8945	1917.8788	-0.0157	-8	498	512	ACCRTDTEEWLLVHK				Carbamidomethyl (C)[2,3]		Mascot
1963.9906	1963.8793	-0.1113	-57	1487	1505	TSSVLSPSPKLSCSPGFN R						Mascot
2045.9458	2045.9739	0.0281	14	1820	1836	GDSQNMSIRDWIVSEHR				Oxidation (M)[6]		Mascot
2183.0825	2183.0308	-0.0517	-24	952	971	DGQTNANSQIEEELPISI K						Mascot
2196.8994	2197.0498	0.1504	68	1293	1310	TSEDNMTHMVTHMPDQY K				Oxidation (M)[6,9]		Mascot
2196.8994	2197.0498	0.1504	68	1293	1310	TSEDNMTHMVTHMPDQY K				Oxidation (M)[6,9]		Mascot
2212.8945	2213.075	0.1805	82	1293	1310	TSEDNMTHMVTHMPDQY K				Oxidation (M)[6,9,13]		Mascot
2212.8945	2213.075	0.1805	82	1293	1310	TSEDNMTHMVTHMPDQY K				Oxidation (M)[6,9,13]		Mascot
2283.0723	2283.1528	0.0805	35	1781	1799	HTMGGQRDFAELDVIHD WR						Mascot
2297.0137	2297.166	0.1523	66	1431	1450	NNNPTQKQSHQSQEED AGR						Mascot
2299.0674	2299.1587	0.0913	40	1781	1799	HTMGGQRDFAELDVIHD WR				Oxidation (M)[3]		Mascot
3338.5588	3338.7371	0.1783	53	1513	1544	CSISDPSSQLDETTSDLG TMSSGASVPRTTRPR						Mascot

45 PREDICTED: hypothetical protein LOC795173 [Danio rerio] gi|125838385 24950.6 8.87 6 27 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1323.6038	1323.6616	0.0578	44	129	139	SDGCVIFYTYR					Mascot
1411.6349	1411.6357	0.0008	1	177	187	EDQNYHNLHNK					Mascot
1411.6349	1411.6357	0.0008	1	177	187	EDQNYHNLHNK					Mascot
1541.8005	1541.7236	-0.0769	-50	191	203	IAEHVPLYQCRGR					Mascot
1638.7944	1638.8412	0.0468	29	105	118	DAPYEHLLMNPPNK					Mascot
1838.8126	1838.9012	0.0886	48	75	89	DMSSDVRPYFQHDNK					Mascot
3338.6475	3338.7371	0.0896	27	90	118	EVYQGTELTAIVVHRDA PYEHLMLNPPNK			Oxidation (M)[24]		Mascot

46 PREDICTED: hypothetical protein LOC100537950 [Danio rerio] gi|326676836 45410.9 5.02 7 27 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1193.7616	1193.6022	-0.1594	-134	121	132	KIPIGGASPLLK					Mascot
1664.8147	1664.8387	0.024	14	173	186	IKCFGCGNFGHLVR			Carbamidomethyl (C)[3,6]		Mascot

	1664.8147	1664.8387	0.024	14	173	186	IKCFGCGNFGHLVR		Carbamidomethyl (C)[3,6]		Mascot
	1917.9844	1917.8788	-0.1056	-55	159	174	VDDFDYVVFITTDKIK				Mascot
	1964.15	1963.8793	-0.2707	-138	71	89	GIILEGVLTPVMPLSLPSK				Mascot
	1980.1449	1979.876	-0.2689	-136	71	89	GIILEGVLTPVMPLSLPSK		Oxidation (M)[12]		Mascot
	1980.1449	1979.876	-0.2689	-136	71	89	GIILEGVLTPVMPLSLPSK		Oxidation (M)[12]		Mascot
	2183.0801	2183.0308	-0.0493	-23	140	158	SVYMIVNNDADLDLALNFR				Mascot
	2225.1487	2225.0955	-0.0532	-24	362	380	GVLVNEYFPDVEQFVDKVK				Mascot
	2225.1487	2225.0955	-0.0532	-24	362	380	GVLVNEYFPDVEQFVDKVK				Mascot
	3338.4224	3338.7371	0.3147	94	314	343	VDMEDELESESDSELSDSLTLTSSQSEFSSR				Mascot
47	PREDICTED: hypothetical protein LOC100002887 [Danio rerio]					gi 326671410	28495.6	8.8	6	27	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1109.5884	1109.4812	-0.1072	-97	47	55	LASFLRSCR			Carbamidomethyl (C)[8]		Mascot
1411.7726	1411.6357	-0.1369	-97	56	67	KHLTISCLTPNK			Carbamidomethyl (C)[7]		Mascot
1411.7726	1411.6357	-0.1369	-97	56	67	KHLTISCLTPNK			Carbamidomethyl (C)[7]		Mascot
1774.7435	1774.8724	0.1289	73	133	147	KTTSYCGEQEEEEEGK			Carbamidomethyl (C)[6]		Mascot
1917.7948	1917.8788	0.084	44	197	212	MEEMMMEKEEEGGTIK			Oxidation (M)[1]		Mascot
1994.093	1993.9424	-0.1506	-76	98	114	NSTIEHHQIIVTPVIHR					Mascot
1994.093	1993.9424	-0.1506	-76	98	114	NSTIEHHQIIVTPVIHR					Mascot
3498.6282	3498.668	0.0398	11	68	97	EIELENEEEEEQIDLPISPKGGADDDFLR					Mascot

48 survival of motor neuron protein-interacting protein 1 [Danio rerio] gi|62955193 29013.8 5.44 6 26 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1193.6273	1193.6022	-0.0251	-21	84	93	FSEVRQSVNK					Mascot
1234.6208	1234.6652	0.0444	36	215	225	CSAVRANLESK			Carbamidomethyl (C)[1]		Mascot
1434.6747	1434.7539	0.0792	55	135	147	EEDGVNPGLDYVK					Mascot
1917.9885	1917.8788	-0.1097	-57	226	242	DDRLSALNLMICIVAR					Mascot
2367.2012	2367.2341	0.0329	14	53	75	KQSVNVSITGLAAPEGFSPSFK					Mascot
2384.2131	2383.9229	-0.2902	-122	160	179	LSQSTVSAVLEYLINWFER					Mascot

49 Zgc:136688 [Danio rerio] gi|49902960 48277.1 6.22 1 18 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1179.5609	1179.5869	0.026	22	155	163 KMQEQLCSR	18	0	Carbamidomethyl (C)[7]	1	Mascot
50	PREDICTED: potassium channel SKOR [Danio rerio] gi 326672803 52150.7 8.43 1 17 0									

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1179.6117	1179.5869	-0.0248	-21	81	90 STSHSYLTRK	17	0		2	Mascot

Gel Idx/Pos	243/J19	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	apolipoprotein A-I precursor [Danio rerio]	gi 18858281	30237.5	5.06	16	384	100	269	100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
832.3948	832.3935	-0.0013	-2	131	136 HIDEYR					Mascot
858.4427	858.4422	-0.0005	-1	152	158 QNAEQLR					Mascot
866.4842	866.462	-0.0222	-26	115	121 SKLEPHR					Mascot
999.5655	999.5625	-0.003	-3	183	191 VVPMVEAVR					Mascot
1015.5604	1015.5523	-0.0081	-8	183	191 VVPMVEAVR			Oxidation (M)[4]		Mascot
1089.5323	1089.5281	-0.0042	-4	131	138 HIDEYREK					Mascot
1093.5194	1093.5179	-0.0015	-1	106	114 VMTDVEDLR			Oxidation (M)[2]		Mascot
1184.5074	1184.5033	-0.0041	-3	238	246 MEPYMNVR			Oxidation (M)[1]		Mascot
1189.6938	1189.6831	-0.0107	-9	34	44 AAALVYLNQVK					Mascot
1200.5023	1200.4988	-0.0035	-3	238	246 MEPYMNVR			Oxidation (M)[1,5]		Mascot
1279.6754	1279.6721	-0.0033	-3	227	237 IAPHTQDLQTR					Mascot
1279.6754	1279.6721	-0.0033	-3	227	237 IAPHTQDLQTR	72	99.998			Mascot
1316.6879	1316.6709	-0.017	-13	159	169 AKLEPLMDDIR			Oxidation (M)[7]		Mascot
1419.6825	1419.6769	-0.0056	-4	247	258 TTFAQMYETIAK			Oxidation (M)[6]		Mascot
1565.7958	1565.7883	-0.0075	-5	139	151 LEPVFQEYSALNR					Mascot
1565.7958	1565.7883	-0.0075	-5	139	151 LEPVFQEYSALNR	101	100			Mascot

	1644.7388	1644.7345	-0.0043	-3	50	63	ALDNLDTGTDYEYK										Mascot
	1668.9067	1668.8925	-0.0142	-9	117	130	LEPHRAELYTALQK										Mascot
	1822.9333	1822.9247	-0.0086	-5	137	151	EKLEPVFQEYSALNR										Mascot
	1822.9333	1822.9247	-0.0086	-5	137	151	EKLEPVFQEYSALNR	96	100								Mascot
	1886.9204	1886.9117	-0.0087	-5	203	218	TMAAPYAEYKEQLVK					Oxidation (M)[2]					Mascot
2	Apoa protein [Danio rerio]						gi 53733942	19735.1	5.31	14	368	100	269	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
832.3948	832.3935	-0.0013	-2	36	41	HIDEYR							Mascot
858.4427	858.4422	-0.0005	-1	57	63	QNAEQLR							Mascot
866.4842	866.462	-0.0222	-26	20	26	SKLEPHR							Mascot
999.5655	999.5625	-0.003	-3	88	96	VVPMVEAVR							Mascot
1015.5604	1015.5523	-0.0081	-8	88	96	VVPMVEAVR				Oxidation (M)[4]			Mascot
1089.5323	1089.5281	-0.0042	-4	36	43	HIDEYREK							Mascot
1093.5194	1093.5179	-0.0015	-1	11	19	VMTDVEDLR				Oxidation (M)[2]			Mascot
1184.5074	1184.5033	-0.0041	-3	143	151	MEPYMENVR				Oxidation (M)[1]			Mascot
1200.5023	1200.4988	-0.0035	-3	143	151	MEPYMENVR				Oxidation (M)[1,5]			Mascot
1279.6754	1279.6721	-0.0033	-3	132	142	IAPHTQDLQTR							Mascot
1279.6754	1279.6721	-0.0033	-3	132	142	IAPHTQDLQTR	72	99.998					Mascot
1316.6879	1316.6709	-0.017	-13	64	74	AKLEPLMDDIR				Oxidation (M)[7]			Mascot
1419.6825	1419.6769	-0.0056	-4	152	163	TTFAQMYETIAK				Oxidation (M)[6]			Mascot
1565.7958	1565.7883	-0.0075	-5	44	56	LEPVFQEYSALNR							Mascot
1565.7958	1565.7883	-0.0075	-5	44	56	LEPVFQEYSALNR	101	100					Mascot
1668.9067	1668.8925	-0.0142	-9	22	35	LEPHRAELYTALQK							Mascot
1822.9333	1822.9247	-0.0086	-5	42	56	EKLEPVFQEYSALNR							Mascot
1822.9333	1822.9247	-0.0086	-5	42	56	EKLEPVFQEYSALNR	96	100					Mascot
1886.9204	1886.9117	-0.0087	-5	108	123	TMAAPYAEYKEQLVK				Oxidation (M)[2]			Mascot

3	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial precursor [Danio rerio]						gi 41152189	26578.3	5.44	7	281	100	247	100			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1155.6554	1155.6482	-0.0072	-6	96	106	VAEVLGIAPMR							Mascot
1171.6503	1171.6464	-0.0039	-3	96	106	VAEVLGIAPMR				Oxidation (M)[10]			Mascot
1338.7739	1338.7688	-0.0051	-4	71	83	AAATIPVLDLAQR							Mascot

	1338.7739	1338.7688	-0.0051	-4	71	83	AAATIPVLDLAQR	90	100				Mascot
	1483.7539	1483.7457	-0.0082	-6	58	70	VEAIINNYPEGHK						Mascot
	1639.8188	1639.8311	0.0123	8	107	119	VYEVATFYTMFLR						Mascot
	1639.855	1639.8311	-0.0239	-15	57	70	RVEAIINNYPEGHK	27	50.122				Mascot
	1655.8137	1655.8046	-0.0091	-5	107	119	VYEVATFYTMFLR	16	0	Oxidation (M)[10]			Mascot
	1655.8137	1655.8046	-0.0091	-5	107	119	VYEVATFYTMFLR			Oxidation (M)[10]			Mascot
	2382.1758	2382.1633	-0.0125	-5	218	241	FSCEPAGGLTSLTEPPPG PGVGVR	115	100	Carbamidomethyl (C)[3]			Mascot
	2382.1758	2382.1633	-0.0125	-5	218	241	FSCEPAGGLTSLTEPPPG PGVGVR			Carbamidomethyl (C)[3]			Mascot
	2395.0508	2395.0476	-0.0032	-1	38	57	DTPENNPDPTEFTPEN MKR			Oxidation (M)[18]			Mascot
4	mitochondrial ATP synthase beta subunit [Danio rerio] gi 147905995 55779.4 5.19 3 151 100 144 100												

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1988.0334	1988.0239	-0.0095	-5	385	403	AIAELGIYPAVDPLDSTSR	144	100			Mascot
1988.0334	1988.0239	-0.0095	-5	385	403	AIAELGIYPAVDPLDSTSR					Mascot
2225.2864	2225.1104	-0.176	-79	12	33	VLSASKPSIELTKAVPAAL SSR					Mascot
2225.2864	2225.1104	-0.176	-79	12	33	VLSASKPSIELTKAVPAAL SSR					Mascot
2291.1335	2291.1448	0.0113	5	237	256	TREGNDLYHEMIESGVIS LK					Mascot

5 Zgc:111961 [Danio rerio] gi|159155102 55095.8 5.14 3 150 100 144 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1845.88	1845.8774	-0.0026	-1	396	411	IMDPNIVGTEHYDVAR			Oxidation (M)[2]		Mascot
1988.0334	1988.0239	-0.0095	-5	377	395	AIAELGIYPAVDPLDSTSR	144	100			Mascot
1988.0334	1988.0239	-0.0095	-5	377	395	AIAELGIYPAVDPLDSTSR					Mascot
2005.0541	2005.0409	-0.0132	-7	452	469	FLSQPFQVAEVFTGHLG K					Mascot

6 Zgc:163069 protein [Danio rerio] gi|116284212 29885.7 5.04 1 144 100 144 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1988.0334	1988.0239	-0.0095	-5	135	153	AIAELGIYPAVDPLDSTSR	144	100			Mascot
1988.0334	1988.0239	-0.0095	-5	135	153	AIAELGIYPAVDPLDSTSR					Mascot

7 PREDICTED: hypothetical protein LOC572344 [Danio rerio] gi|326674476 114472.4 4.94 17 50 60.338

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
832.4046	832.3935	-0.0111	-13	199	205	EQGELEK					Mascot
865.4851	865.4405	-0.0446	-52	36	42	LLEICFK					Mascot
1045.5775	1045.5597	-0.0178	-17	313	321	ISVLEDELK					Mascot
1155.5537	1155.6482	0.0945	82	825	833	QMELLYCQK					Mascot
1171.5486	1171.6464	0.0978	83	825	833	QMELLYCQK			Oxidation (M)[2]		Mascot
1357.7322	1357.6796	-0.0526	-39	366	377	KAEVEALLAEER					Mascot
1434.7335	1434.7635	0.03	21	813	824	EHHLESLNQLK					Mascot
1444.7529	1444.7759	0.023	16	739	751	EELEGIVSELQAK					Mascot
1475.7588	1475.7452	-0.0136	-9	556	568	TEEENKVSEALVK					Mascot
1565.8057	1565.7883	-0.0174	-11	596	608	EYESVDNELKLVK					Mascot
1565.8057	1565.7883	-0.0174	-11	596	608	EYESVDNELKLVK					Mascot
1639.7921	1639.8311	0.039	24	157	170	ELAHEGDVRDELEK					Mascot
1639.7921	1639.8311	0.039	24	157	170	ELAHEGDVRDELEK					Mascot
1644.8666	1644.7345	-0.1321	-80	329	342	GEVLGPIMWEKLLK			Oxidation (M)[8]		Mascot
1655.8673	1655.8046	-0.0627	-38	569	582	IESLQTEILHLCEK					Mascot
1655.8673	1655.8046	-0.0627	-38	569	582	IESLQTEILHLCEK					Mascot
1845.8218	1845.8774	0.0556	30	525	539	NEACTMQQELNNHLK			Carbamidomethyl (C)[4], Oxidation (M)[6]		Mascot
1988.0294	1988.0239	-0.0055	-3	245	262	KIDELTEENGTLSAQLAR					Mascot
1988.0294	1988.0239	-0.0055	-3	245	262	KIDELTEENGTLSAQLAR					Mascot
2283.1616	2283.1675	0.0059	3	263	282	AEQEVAKLTVVHESAQT EWK					Mascot
2382.168	2382.1633	-0.0047	-2	825	844	QMELLYCQKEEEIIASQQ AK					Mascot
2382.2949	2382.1633	-0.1316	-55	562	582	VSEALVKIESLQTEILHLC EK					Mascot

8 novel protein similar to vertebrate tropomyosin 4 (TPM4) (zgc:63909) [Danio rerio] gi|94732584 23517.9 4.6 8 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
866.3923	866.462	0.0697	80	54	60	AMKDEEK			Oxidation (M)[2]		Mascot
1015.5166	1015.5523	0.0357	35	1	10	AEGDVAALNR					Mascot
1093.4943	1093.5179	0.0236	22	39	48	AADESERGMK					Mascot

	1171.6178	1171.6464	0.0286	24	1	11	AEGDVAALNRR										Mascot
	1234.5732	1234.6748	0.1016	82	99	109	AEERAEVAECK										Mascot
	1493.7338	1493.7322	-0.0016	-1	61	72	MEIQEMQLKEAK						Oxidation (M)[1]				Mascot
	1655.8962	1655.8046	-0.0916	-55	89	102	LVILEGELERAEER		4		0						Mascot
	1655.8962	1655.8046	-0.0916	-55	89	102	LVILEGELERAEER										Mascot
	1774.8164	1774.8722	0.0558	31	189	204	AISEELDHALNDMTSL						Oxidation (M)[13]				Mascot
9	PREDICTED: transformation/transcription domain-associated protein [Danio rerio]						gi 326672350	433471.2	8.52	31	42	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
832.4134	832.3935	-0.0199	-24	3257	3263	ATAPMWR						Mascot
865.4963	865.4405	-0.0558	-64	2260	2266	LISVFMR						Mascot
882.5155	882.5626	0.0471	53	2182	2189	AVHSLLSR						Mascot
1015.5894	1015.5523	-0.0371	-37	1428	1436	SLTLNVVNR						Mascot
1045.5095	1045.5597	0.0502	48	3604	3612	EVQGNMVP			Oxidation (M)[6]			Mascot
1089.5535	1089.5281	-0.0254	-23	1237	1246	EVTSPNSTVR						Mascot
1155.6844	1155.6482	-0.0362	-31	3506	3514	EERVLQLLR						Mascot
1165.5817	1165.7386	0.1569	135	606	615	VANCQTVRMK			Oxidation (M)[9]			Mascot
1171.6106	1171.6464	0.0358	31	558	568	APGEAQFIPNK						Mascot
1184.5955	1184.5033	-0.0922	-78	1558	1566	MFMSFLKHK			Oxidation (M)[1]			Mascot
1189.6609	1189.6831	0.0222	19	2876	2886	LVEMASSLAIR						Mascot
1200.5905	1200.4988	-0.0917	-76	1558	1566	MFMSFLKHK			Oxidation (M)[1,3]			Mascot
1234.7054	1234.6748	-0.0306	-25	986	995	WIPNVIISHR						Mascot
1316.5536	1316.6709	0.1173	89	2248	2259	SACSNSSYIDR						Mascot
1338.7562	1338.7688	0.0126	9	1893	1905	QAMAILTPAVPAR						Mascot
1338.7562	1338.7688	0.0126	9	1893	1905	QAMAILTPAVPAR	1		0			Mascot
1357.6859	1357.6796	-0.0063	-5	871	882	NPAETISHVAYR						Mascot
1419.6976	1419.6769	-0.0207	-15	2428	2439	AKFFEVDASMK						Mascot
1434.7079	1434.7635	0.0556	39	2466	2477	QCTELLAVCER			Carbamidomethyl (C)[2]			Mascot
1475.8217	1475.7452	-0.0765	-52	1963	1975	LGFTPSVTIEQRK						Mascot
1493.7126	1493.7322	0.0196	13	1311	1322	LFTMDLNVMEHK			Oxidation (M)[4]			Mascot
1565.8759	1565.7883	-0.0876	-56	3590	3603	GTQASHQVLRDILK						Mascot
1565.8759	1565.7883	-0.0876	-56	3590	3603	GTQASHQVLRDILK						Mascot
1638.8958	1638.8502	-0.0456	-28	443	455	DILMRMLEVFVLK			Oxidation (M)[4,6]			Mascot
1639.8737	1639.8311	-0.0426	-26	1463	1476	WMEVVVITHKGGQR						Mascot

1639.8737	1639.8311	-0.0426	-26	1463	1476	WMEVVVITHKGGQR					Mascot
1655.8685	1655.8046	-0.0639	-39	1463	1476	WMEVVVITHKGGQR	Oxidation (M)[2]				Mascot
1655.8685	1655.8046	-0.0639	-39	1463	1476	WMEVVVITHKGGQR	Oxidation (M)[2]				Mascot
1822.9255	1822.9247	-0.0008	0	686	701	LPEMGSNVELSNLYLK	Oxidation (M)[4]				Mascot
1822.9255	1822.9247	-0.0008	0	686	701	LPEMGSNVELSNLYLK	Oxidation (M)[4]				Mascot
1845.964	1845.8774	-0.0866	-47	1356	1372	IAALNALAACNYLPQSR	Carbamidomethyl (C)[10]				Mascot
2005.1805	2005.0409	-0.1396	-70	224	240	VLAELPIIVLVMYQLYK					Mascot
2197.0229	2197.0642	0.0413	19	2796	2813	CSKELNQWEPLTEYGQS K	Carbamidomethyl (C)[1]				Mascot
2211.0977	2211.094	-0.0037	-2	619	637	EVLEHFAGVFTMMNPLTF K					Mascot
2283.0981	2283.1675	0.0694	30	3617	3634	EWALHTFPNATDYWTFR K					Mascot
2284.1384	2284.1633	0.0249	11	1175	1196	ALLFVMMDLTGEVSNGA VAMAK	Oxidation (M)[6]				Mascot
2291.2139	2291.1448	-0.0691	-30	1263	1282	SVTIIMEPHKEVLQDMVP PK					Mascot
2300.1335	2300.1697	0.0362	16	1175	1196	ALLFVMMDLTGEVSNGA VAMAK	Oxidation (M)[6,7]				Mascot
2382.1831	2382.1633	-0.0198	-8	951	970	QAWVEVIKFLVAMTSLED NK	Carbamidomethyl (C)[8]				Mascot
2382.1831	2382.1633	-0.0198	-8	951	970	QAWVEVIKFLVAMTSLED NK	Carbamidomethyl (C)[8]				Mascot

10 PREDICTED: calcium and integrin-binding protein 1-like gi|326679996 21396.8 4.77 7 42 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
858.5043	858.4422	-0.0621	-72	2	10	GGTASKLPK					Mascot
865.4083	865.4405	0.0322	37	141	147	LTAEE MR			Oxidation (M)[6]		Mascot
1277.6307	1277.702	0.0713	56	69	79	ICHVFSTSDLR					Mascot
1338.7303	1338.7688	0.0385	29	177	188	SPDFVSSFKIVL					Mascot
1338.7303	1338.7688	0.0385	29	177	188	SPDFVSSFKIVL					Mascot
1483.6846	1483.7457	0.0611	41	41	53	ENGPYSSRVSM EK					Mascot
1493.6901	1493.7322	0.0421	28	128	140	LVNCLTGETDDTR			Carbamidomethyl (C)[4]		Mascot
2283.0591	2283.1675	0.1084	47	128	147	LVNCLTGETDDTRLTAE E MR			Oxidation (M)[19]		Mascot

11 tropomyosin alpha-4 chain isoform 2 [Danio rerio] gi|47085929 28484.4 4.63 9 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
866.3923	866.462	0.0697	80	98	104	AMKDEEK			Oxidation (M)[2]		Mascot
1015.5166	1015.5523	0.0357	35	45	54	AEGDVAALNR					Mascot

	1093.4943	1093.5179	0.0236	22	83	92	AADESERGMK										Mascot
	1171.6178	1171.6464	0.0286	24	45	55	AEGDVAALNRR										Mascot
	1234.5732	1234.6748	0.1016	82	143	153	AEERAEVAECK										Mascot
	1277.6882	1277.702	0.0138	11	1	12	MTGVTSLDAPVKK										Mascot
	1434.7322	1434.7635	0.0313	22	216	228	SIDDLLEEKLSAK										Mascot
	1493.7338	1493.7322	-0.0016	-1	105	116	MEIQEMQLKEAK							Oxidation (M)[1]			Mascot
	1655.8962	1655.8046	-0.0916	-55	133	146	LVILEGELERAEEER		4		0						Mascot
	1655.8962	1655.8046	-0.0916	-55	133	146	LVILEGELERAEEER										Mascot

12 novel protein similar to vertebrate tropomyosin 4 (TPM4) (zgc:63909) [Danio rerio] gi|94732583 23433.8 4.6 8 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
866.3923	866.462	0.0697	80	54	60	AMKDEEK			Oxidation (M)[2]		Mascot
1015.5166	1015.5523	0.0357	35	1	10	AEGDVAALNR					Mascot
1093.4943	1093.5179	0.0236	22	39	48	AADESERGMK					Mascot
1171.6178	1171.6464	0.0286	24	1	11	AEGDVAALNRR					Mascot
1234.5732	1234.6748	0.1016	82	99	109	AEERAEVAECK					Mascot
1434.7322	1434.7635	0.0313	22	172	184	SIDDLLEEKLSAK					Mascot
1493.7338	1493.7322	-0.0016	-1	61	72	MEIQEMQLKEAK			Oxidation (M)[1]		Mascot
1655.8962	1655.8046	-0.0916	-55	89	102	LVILEGELERAEEER	4		0		Mascot
1655.8962	1655.8046	-0.0916	-55	89	102	LVILEGELERAEEER					Mascot

13 novel protein similar to vertebrate piccolo (presynaptic cytomatrix protein) (PCLO) [Danio rerio] gi|122890939 359570.7 5.95 28 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
832.4046	832.3935	-0.0111	-13	16	22	EPSEKDK					Mascot
842.4049	842.5062	0.1013	120	3226	3231	VCRHDR			Carbamidomethyl (C)[2]		Mascot
870.5771	870.5369	-0.0402	-46	2299	2305	LLKQQLK					Mascot
913.5141	913.4963	-0.0178	-19	3190	3196	NITYKFK					Mascot
913.5141	913.4963	-0.0178	-19	3190	3196	NITYKFK					Mascot
999.4637	999.5625	0.0988	99	1316	1324	AVCCDVVYK					Mascot
1045.5248	1045.5597	0.0349	33	1084	1092	TPPPHPMPR			Oxidation (M)[7]		Mascot
1089.5786	1089.5281	-0.0505	-46	3007	3016	EDSPKSSVIK					Mascot
1155.5649	1155.6482	0.0833	72	1315	1324	RAVCCDVVYK					Mascot

		1171.5796	1171.6464	0.0668	57	2644	2652	FHYPPFHAR				Mascot
		1316.7321	1316.6709	-0.0612	-46	2883	2894	VYLLPGRGAENK				Mascot
		1338.6722	1338.7688	0.0966	72	2410	2420	LMQDEITFGLR	Oxidation (M)[2]			Mascot
		1338.7012	1338.7688	0.0676	50	2557	2570	ASAGPLPPISADSR				Mascot
		1411.7791	1411.6505	-0.1286	-91	3	15	EAAAPVKENELLK				Mascot
		1428.6238	1428.7797	0.1559	109	2456	2469	SSLGEDSSYPGSGSR				Mascot
		1639.8472	1639.8311	-0.0161	-10	3176	3189	TEGEHLVLEILQCR				Mascot
		1639.8472	1639.8311	-0.0161	-10	3176	3189	TEGEHLVLEILQCR				Mascot
		1668.8374	1668.8925	0.0551	33	2407	2420	SSRLMQDEITFGLR	Oxidation (M)[5]			Mascot
		1774.6378	1774.8722	0.2344	132	1706	1720	MDSGCQTDEEDNTEK	Carbamidomethyl (C)[5], Oxidation (M)[1]			Mascot
		1822.7688	1822.9247	0.1559	86	2284	2298	AQDEEDPMEEPFEK	Oxidation (M)[8]			Mascot
		1822.8501	1822.9247	0.0746	41	3071	3088	AHLDDAAAMAEAGQQP R				Mascot
		1845.9779	1845.8774	-0.1005	-54	1843	1859	SPKVLYSPISPCVSPSK	Carbamidomethyl (C)[12]			Mascot
		1886.8735	1886.9117	0.0382	20	1420	1436	TTGVCTGMTVPQYTQAR	Carbamidomethyl (C)[5], Oxidation (M)[8]			Mascot
		1988.0157	1988.0239	0.0082	4	1687	1704	QMYPGEVLPEALVVTGE R				Mascot
		1988.0157	1988.0239	0.0082	4	1687	1704	QMYPGEVLPEALVVTGE R				Mascot
		1993.947	1993.9583	0.0113	6	532	547	KPLRSPDEVYEDMMQR				Mascot
		2005.0098	2005.0409	0.0311	16	2259	2277	LLRHAAADVSSDYLGSSS R				Mascot
		2196.9966	2197.0642	0.0676	31	125	143	TIGDKGEIESPMDEEDFIR	Oxidation (M)[12]			Mascot
		2291.1853	2291.1448	-0.0405	-18	1685	1704	FRQMYPGEVLPALVVT GER				Mascot
		2382.1243	2382.1633	0.039	16	2744	2764	LDINMLSDSDSSHDLHD QVK				Mascot
		2382.2373	2382.1633	-0.074	-31	1363	1385	GLGGIKPSMSDTNLAEA GLFLYK				Mascot
14	PREDICTED: tRNA-dihydrouridine synthase 2-like [Danio rerio]					gi 292628574	56676.6	6.04	12	41	0	

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.473	842.5062	0.0332	39	436	443	TLGLPEGR					Mascot
913.5287	913.4963	-0.0324	-35	19	26	NILAPMVR					Mascot
913.5287	913.4963	-0.0324	-35	19	26	NILAPMVR					Mascot
1045.4628	1045.5597	0.0969	93	288	295	YCLCQMLR			Oxidation (M)[6]		Mascot
1051.6007	1051.7067	0.106	101	180	190	TGVAAIAVHGR					Mascot
1062.5538	1062.6842	0.1304	123	328	336	TTAELESRR					Mascot
1201.7085	1201.5355	-0.173	-144	152	162	GISKPVTCCKIR					Mascot

1277.6041	1277.702	0.0979	77	129	141	GGMGSALLSDPEK	Oxidation (M)[3]	Mascot
1316.5908	1316.6709	0.0801	61	288	297	YCLCQMLRDR	Oxidation (M)[6]	Mascot
1338.7124	1338.7688	0.0564	42	444	455	IGEEHSGLVNKR		Mascot
1338.7124	1338.7688	0.0564	42	444	455	IGEEHSGLVNKR		Mascot
1357.6173	1357.6796	0.0623	46	288	297	YCLCQMLRDR	Carbamidomethyl (C)[2]	Mascot
1419.7777	1419.6769	-0.1008	-71	423	435	KFAEQAAALVCLR		Mascot
1444.8257	1444.7759	-0.0498	-34	163	175	ILSTIEDTVNLVK		Mascot
2382.1316	2382.1633	0.0317	13	107	128	LVENDVAADVNMGCPK EYSTK		Mascot
2382.1316	2382.1633	0.0317	13	107	128	LVENDVAADVNMGCPK EYSTK		Mascot

15 PREDICTED: hypothetical protein LOC559994 [Danio rerio] gi|326677062 1030064.3 5.62 47 40 0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank Result Type
832.4563	832.3935	-0.0628	-75	1404	1410	WALDSLK			Mascot
850.5185	850.5383	0.0198	23	8569	8575	IKPFAFK			Mascot
858.3232	858.4422	0.119	139	8188	8194	QGYCCER			Mascot
865.4084	865.4405	0.0321	37	4710	4717	QGVMTSDK			Mascot
866.44	866.462	0.022	25	6867	6873	MLESSRK		Oxidation (M)[1]	Mascot
870.5559	870.5369	-0.019	-22	1536	1542	ALLLWVR			Mascot
882.4679	882.5626	0.0947	107	3102	3108	NLHEELK			Mascot
913.4665	913.4963	0.0298	33	3566	3572	ELFFETK			Mascot
913.4665	913.4963	0.0298	33	3566	3572	ELFFETK			Mascot
999.6057	999.5625	-0.0432	-43	3432	3439	QLQSLVRR			Mascot
1015.553	1015.5523	-0.0007	-1	5576	5584	AEDNRLGIK			Mascot
1045.5636	1045.5597	-0.0039	-4	8277	8285	DLEVRSAQK			Mascot
1062.536	1062.6842	0.1482	139	3153	3160	TKCLEQQR		Carbamidomethyl (C)[3]	Mascot
1089.5422	1089.5281	-0.0141	-13	7830	7838	LQSEEDLQK			Mascot
1093.5282	1093.5179	-0.0103	-9	1656	1663	EMKCWLQR			Mascot
1179.5674	1179.5941	0.0267	23	2826	2835	DMDLLSQSVR		Oxidation (M)[2]	Mascot
1184.5953	1184.5033	-0.092	-78	324	333	RANPPQQSMR			Mascot
1200.5531	1200.4988	-0.0543	-45	4900	4909	SDEFALTDFR			Mascot
1234.6348	1234.6748	0.04	32	3360	3370	EQCASLTELK			Mascot
1279.6504	1279.6721	0.0217	17	249	258	ELYGKWMQPK			Mascot
1279.6562	1279.6721	0.0159	12	5890	5900	TLKQDVTMSEK			Mascot
1316.6593	1316.6709	0.0116	9	3905	3916	ISHTSIYHGSSK			Mascot

1357.7296	1357.6796	-0.05	-37	277	287	MLSPELQVWVR		Mascot
1411.6547	1411.6505	-0.0042	-3	5340	5353	SADAEKSDSTSSVK		Mascot
1419.7512	1419.6769	-0.0743	-52	3360	3371	EQCASLTELK	Carbamidomethyl (C)[3]	Mascot
1428.6835	1428.7797	0.0962	67	3155	3165	CLEQQRHCVQK	Carbamidomethyl (C)[1]	Mascot
1434.8467	1434.7635	-0.0832	-58	8569	8580	IKPFAFKLLSDR		Mascot
1444.8522	1444.7759	-0.0763	-53	4568	4579	FLLEKDIVKPSR		Mascot
1475.7522	1475.7452	-0.007	-5	6801	6813	QEAKILECSVAER		Mascot
1483.6812	1483.7457	0.0645	43	8253	8265	WKSFSGSDTPESR		Mascot
1638.9438	1638.8502	-0.0936	-57	3297	3310	HVLKEPTLPALQHR		Mascot
1639.7744	1639.8311	0.0567	35	874	887	NDETNVASYVIQMR		Mascot
1639.7744	1639.8311	0.0567	35	874	887	NDETNVASYVIQMR		Mascot
1644.7347	1644.7345	-0.0002	0	4256	4270	SSAGTVEPEEQEPER		Mascot
1655.7694	1655.8046	0.0352	21	874	887	NDETNVASYVIQMR	Oxidation (M)[13]	Mascot
1655.8938	1655.8046	-0.0892	-54	744	757	AKYVATCLVQLFSR	Carbamidomethyl (C)[7]	Mascot
1668.7687	1668.8925	0.1238	74	1724	1736	AWDAMEERLQEYK		Mascot
1886.9454	1886.9117	-0.0337	-18	2859	2875	ESLESAESVLLSTTHQR		Mascot
1987.9828	1988.0239	0.0411	21	413	430	EMIALVDTGSDQTLVHMK		Mascot
1987.9828	1988.0239	0.0411	21	413	430	EMIALVDTGSDQTLVHMK		Mascot
2005.0336	2005.0409	0.0073	4	5104	5121	LSETVDTETLNLLQTEAK		Mascot
2167.0295	2167.0569	0.0274	13	4410	4429	VPDTTDTSLNVASTCSQS KR	Carbamidomethyl (C)[15]	Mascot
2183.0835	2183.05	-0.0335	-15	6163	6182	GMDARWSAVLLATSTMA ELK	Oxidation (M)[2,16]	Mascot
2211.126	2211.094	-0.032	-14	8508	8526	MSAAELQTTGVIYRLELC R	Carbamidomethyl (C)[18]	Mascot
2224.9873	2225.1104	0.1231	55	4312	4333	VTDAETSSQIGACAEDNE SGIK		Mascot
2224.9873	2225.1104	0.1231	55	4312	4333	VTDAETSSQIGACAEDNE SGIK		Mascot
2233.0012	2233.0696	0.0684	31	8235	8252	DSTELEEWMRCAHEQLQ K		Mascot
2283.1333	2283.1675	0.0342	15	7195	7214	ESPQICQDLQSLGHCRS LR		Mascot
2284.022	2284.1633	0.1413	62	3439	3458	RVLDCDAPFESEADTL MDR		Mascot
2291.0366	2291.1448	0.1082	47	7455	7474	CIHGHANSLKMMLDESE GYR		Mascot
2300.0168	2300.1697	0.1529	66	3439	3458	RVLDCDAPFESEADTL MDR	Oxidation (M)[18]	Mascot
2382.1467	2382.1633	0.0166	7	7419	7438	IPACLQDYEALLSSTNCW LK	Carbamidomethyl (C)[4,17]	Mascot
2382.1467	2382.1633	0.0166	7	7419	7438	IPACLQDYEALLSSTNCW LK	Carbamidomethyl (C)[4,17]	Mascot
2395.2405	2395.0476	-0.1929	-81	2702	2722	HFFDSPPKLQSQTSVTTL HPK		Mascot

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
832.4821	832.3935	-0.0886	-106	722	728	MRLIGSR					Mascot
996.5182	996.5918	0.0736	74	75	83	DCPLVAPPK			Carbamidomethyl (C)[2]		Mascot
1045.516	1045.5597	0.0437	42	98	106	QTNITDEPK					Mascot
1155.5681	1155.6482	0.0801	69	1043	1051	DIDYTPYIR					Mascot
1165.6034	1165.7386	0.1352	116	440	449	FCEQAVTIVR					Mascot
1357.7507	1357.6796	-0.0711	-52	377	388	LPVVQIQTACK			Carbamidomethyl (C)[11]		Mascot
1434.879	1434.7635	-0.1155	-80	724	736	LIGSREPLLLAR					Mascot
1444.7617	1444.7759	0.0142	10	547	559	EMQAAIVLQAGWK					Mascot
1638.842	1638.8502	0.0082	5	750	762	GYIIPNQKNIICR			Carbamidomethyl (C)[12]		Mascot
1707.8846	1707.7631	-0.1215	-71	436	449	ESLRFCEQAVTIVR			Carbamidomethyl (C)[6]		Mascot
1845.8824	1845.8774	-0.005	-3	191	208	KDNSIANEGVESTAAPDK					Mascot
1887.0197	1886.9117	-0.108	-57	75	91	DCPLVAPPKTPPLPQWK					Mascot
1988.027	1988.0239	-0.0031	-2	542	559	QATDKEMQAAIVLQAGW K					Mascot
1988.027	1988.0239	-0.0031	-2	542	559	QATDKEMQAAIVLQAGW K					Mascot
2005	2005.0409	0.0409	20	484	500	VFSEAVYHMFSSALGRK			Oxidation (M)[9]		Mascot
2196.9358	2197.0642	0.1284	58	1104	1121	QMETCIGFQDTMDAYRQ K			Oxidation (M)[2,12]		Mascot
2283.1875	2283.1675	-0.02	-9	663	682	MFSPIPVCILHVINNDTLE K					Mascot
17	euchromatic histone-lysine N-methyltransferase 1b [Danio rerio]			gi 289191301		140285.8	6.16	17	39	0	

Peptide Information													
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type		
866.4552	866.462	0.0068	8	1230	1236	GKLFNCK			Carbamidomethyl (C)[6]		Mascot		
1171.6582	1171.6464	-0.0118	-10	965	974	VWNALQANKK					Mascot		
1179.619	1179.5941	-0.0249	-21	932	941	LDCVNLFLSR					Mascot		
1200.5499	1200.4988	-0.0511	-43	1232	1241	LFNCKCGSSK			Carbamidomethyl (C)[4,6]		Mascot		
1201.4976	1201.5355	0.0379	32	1160	1169	VGDMYCVDAR			Carbamidomethyl (C)[6], Oxidation (M)[4]		Mascot		
1279.7732	1279.6721	-0.1011	-79	865	875	HVDQVKLLLSK					Mascot		
1279.7732	1279.6721	-0.1011	-79	865	875	HVDQVKLLLSK					Mascot		
1316.7419	1316.6709	-0.071	-54	165	176	AETETKNGIILK					Mascot		
1357.5057	1357.6796	0.1739	128	556	567	HQCCPGCGFFCR					Mascot		
1483.6515	1483.7457	0.0942	63	511	523	CMATESIDGQLSR			Carbamidomethyl (C)[1], Oxidation (M)[2]		Mascot		

1707.8258	1707.7631	-0.0627	-37	1019	1033	YVPDSCVTSPNLIDK	Carbamidomethyl (C)[6]	Mascot
1845.9963	1845.8774	-0.1189	-64	188	203	TMSRPASNQTLKLLNR	Oxidation (M)[2]	Mascot
1987.8215	1988.0239	0.2024	102	551	567	TGMVKHQCCPGCGFFC R	Carbamidomethyl (C)[8,9]	Mascot
1987.8215	1988.0239	0.2024	102	551	567	TGMVKHQCCPGCGFFC R	Carbamidomethyl (C)[8,9]	Mascot
2167.002	2167.0569	0.0549	25	910	928	CDLNTMNIHGDSPLHIAS R	Carbamidomethyl (C)[1], Oxidation (M)[6]	Mascot
2197.041	2197.0642	0.0232	11	511	530	CMATESIDGQLSRCQSA VLK	Carbamidomethyl (C)[1]	Mascot
2283.0557	2283.1675	0.1118	49	47	66	TGPLREAIEQNGTYENM DTK	Oxidation (M)[17]	Mascot
2291.1775	2291.1448	-0.0327	-14	734	753	VLLMLVDGIDPNFKMESQ NK		Mascot
2395.0837	2395.0476	-0.0361	-15	587	609	TCASVLNGQSFCPHCGE EVSKAK		Mascot

18 novel protein [Danio rerio] gi|122890781 25209.1 6.27 7 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
866.4366	866.462	0.0254	29	29	35	DTTVFQR					Mascot
999.5945	999.5625	-0.032	-32	1	9	LQVSAVNIR					Mascot
1316.6317	1316.6709	0.0392	30	175	185	RPDHFMFPGGR					Mascot
1444.7267	1444.7759	0.0492	34	174	185	KRPDHFMFPGGR					Mascot
1707.7842	1707.7631	-0.0211	-12	186	199	GPYHCICGRDFNR			Carbamidomethyl (C)[5]		Mascot
2197.0078	2197.0642	0.0564	26	10	28	QQTQSSVNSEQDYLLCE PK					Mascot
2211.0544	2211.094	0.0396	18	209	226	IHTGERPYTCSICARFR			Carbamidomethyl (C)[10,13]		Mascot

19 PREDICTED: retrotransposable element Tf2 155 kDa protein type 1-like [Danio rerio] gi|326671833 129625.3 9.12 15 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
832.4523	832.3935	-0.0588	-71	277	283	LSAEERK					Mascot
882.4614	882.5626	0.1012	115	896	903	LTCHPGVR					Mascot
999.5581	999.5625	0.0044	4	819	827	NVKPDALSR					Mascot
1189.5994	1189.6831	0.0837	70	1060	1069	ANQALEQMLR			Oxidation (M)[8]		Mascot
1201.5848	1201.5355	-0.0493	-41	173	182	SVSDYSIQFR					Mascot
1234.6538	1234.6748	0.021	17	412	422	GRLYSLSGPER					Mascot
1357.6859	1357.6796	-0.0063	-5	626	637	AVSNWPTPDSRK					Mascot
1428.7634	1428.7797	0.0163	11	807	818	FNFILSYRPGSK					Mascot
1483.7977	1483.7457	-0.052	-35	868	881	VPEGCPANLLFVPK					Mascot

1565.7992	1565.7883	-0.0109	-7	414	427	LYSLSGPERVAMDK	Mascot
1565.7992	1565.7883	-0.0109	-7	414	427	LYSLSGPERVAMDK	Mascot
1655.8151	1655.8046	-0.0105	-6	642	654	FLGFSNFYCRFVR	Mascot
1655.8151	1655.8046	-0.0105	-6	642	654	FLGFSNFYCRFVR	Mascot
1668.8802	1668.8925	0.0123	7	655	670	NYSQIAASLTALTSTK	Mascot
1822.9731	1822.9247	-0.0484	-27	423	439	VAMDKYISDSLAAGLIR	Mascot
1822.9731	1822.9247	-0.0484	-27	423	439	VAMDKYISDSLAAGLIR	Mascot
1994.0051	1993.9583	-0.0468	-23	686	703	LKTCFSSAPVLSFPDPER	Mascot
2167.1101	2167.0569	-0.0532	-25	2	22	DPADEDTVRAALAAQQGA LLGR	Mascot

20 PREDICTED: WD repeat- and FYVE domain-containing gij326673033 526148.3 6.32 31 37 0
protein 4 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.5145	850.5383	0.0238	28	2616	2622	RSFSLLK					Mascot
866.3937	866.462	0.0683	79	1217	1222	FCQQQR			Carbamidomethyl (C)[2]		Mascot
1051.5492	1051.7067	0.1575	150	2205	2213	DLGMIPYVK			Oxidation (M)[4]		Mascot
1062.5435	1062.6842	0.1407	132	901	908	IMLQELCR			Carbamidomethyl (C)[7]		Mascot
1155.7096	1155.6482	-0.0614	-53	1005	1015	LELTA AVLAVR					Mascot
1171.509	1171.6464	0.1374	117	1321	1330	KIMSDCCLCR					Mascot
1179.6844	1179.5941	-0.0903	-77	1279	1288	DQHIALLLR					Mascot
1184.6534	1184.5033	-0.1501	-127	4307	4316	QIFTKPHASR					Mascot
1189.5443	1189.6831	0.1388	117	1076	1086	SKENPADDASR					Mascot
1200.6444	1200.4988	-0.1456	-121	4626	4635	ELNRNQAISR					Mascot
1234.6394	1234.6748	0.0354	29	901	909	IMLQELCRR			Carbamidomethyl (C)[7], Oxidation (M)[2]		Mascot
1316.7606	1316.6709	-0.0897	-68	2258	2268	LKQDLLQSIMK					Mascot
1428.7667	1428.7797	0.013	9	2349	2361	LGEALLHLGCFQK					Mascot
1444.7365	1444.7759	0.0394	27	48	59	AKQLVQE HFGCK			Carbamidomethyl (C)[11]		Mascot
1483.7032	1483.7457	0.0425	29	389	400	TQFLLCTMGQER			Carbamidomethyl (C)[6]		Mascot
1565.6685	1565.7883	0.1198	77	35	47	SCLYMPPELG YDK			Oxidation (M)[5]		Mascot
1565.6685	1565.7883	0.1198	77	35	47	SCLYMPPELG YDK			Oxidation (M)[5]		Mascot
1638.6848	1638.8502	0.1654	101	35	47	SCLYMPPELG YDK			Carbamidomethyl (C)[2], Oxidation (M)[5,6]		Mascot
1639.8043	1639.8311	0.0268	16	388	400	RTQFLLCTMGQER			Carbamidomethyl (C)[7]		Mascot
1639.8043	1639.8311	0.0268	16	388	400	RTQFLLCTMGQER			Carbamidomethyl (C)[7]		Mascot
1655.7992	1655.8046	0.0054	3	388	400	RTQFLLCTMGQER			Carbamidomethyl (C)[7], Oxidation (M)[9]		Mascot
1655.7992	1655.8046	0.0054	3	388	400	RTQFLLCTMGQER			Carbamidomethyl (C)[7], Oxidation (M)[9]		Mascot

1823.1113	1822.9247	-0.1866	-102	999	1015	TVTIPRLELTA AVLAVR						Mascot
1823.1113	1822.9247	-0.1866	-102	999	1015	TVTIPRLELTA AVLAVR						Mascot
1887.0806	1886.9117	-0.1689	-90	1005	1021	LELTA AVLAVRMDMLK						Mascot
1988.0481	1988.0239	-0.0242	-12	1438	1455	EALLTLNQTNIGGMLQKQ	Oxidation (M)[14]					Mascot
1988.0481	1988.0239	-0.0242	-12	1438	1455	EALLTLNQTNIGGMLQKQ	Oxidation (M)[14]					Mascot
1993.9907	1993.9583	-0.0324	-16	2521	2537	QIMCEFGLLSTLLTHCK	Carbamidomethyl (C)[4]					Mascot
2166.9504	2167.0569	0.1065	49	3900	3919	ADLYICEGFTLTSTGDVC CR						Mascot
2183.157	2183.05	-0.107	-49	2205	2222	DLGMIPYVKIFLDVEQFR						Mascot
2197.1885	2197.0642	-0.1243	-57	2792	2810	HLIPGQWHHLCLVMAKGI K	Oxidation (M)[14]					Mascot
2224.9355	2225.1104	0.1749	79	257	274	HLCFGCLSTSHMSRDCE K	Carbamidomethyl (C)[3,6,16]					Mascot
2224.9355	2225.1104	0.1749	79	257	274	HLCFGCLSTSHMSRDCE K	Carbamidomethyl (C)[3,6,16]					Mascot
2233.0127	2233.0696	0.0569	25	3183	3201	SWSFECLSCICPGFEVLQ K	Carbamidomethyl (C)[6]					Mascot
2283.1948	2283.1675	-0.0273	-12	2024	2043	IIQSSFMRSSNTVICSQIL R						Mascot
2284.1389	2284.1633	0.0244	11	2349	2369	LGEALLHLGCFQKGDVP ESDR						Mascot
2291.1587	2291.1448	-0.0139	-6	1517	1536	LSDDPNLEPLTPNHILL MK	Oxidation (M)[19]					Mascot
2300.1206	2300.1697	0.0491	21	910	927	NYGWDETVPQELLHRWT R						Mascot
2382.1548	2382.1633	0.0085	4	925	942	WTRWIEELEMLSNFEINR	Oxidation (M)[10]					Mascot
2382.1548	2382.1633	0.0085	4	925	942	WTRWIEELEMLSNFEINR	Oxidation (M)[10]					Mascot

21

PREDICTED: NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial-like [Danio

gi|68437403

26034.6

9.74

7

37

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4781	850.5383	0.0602	71	178	184	SPSKYLR					Mascot
1165.6034	1165.7386	0.1352	116	78	87	MGSQVVIPYR			Oxidation (M)[1]		Mascot
1179.5752	1179.5941	0.0189	16	205	214	ASELFGREDR					Mascot
1475.8151	1475.7452	-0.0699	-47	75	87	LGRMGSQVVIPYR					Mascot
1565.7278	1565.7883	0.0605	39	212	223	EDRFLNHFANMR			Oxidation (M)[11]		Mascot
1565.7278	1565.7883	0.0605	39	212	223	EDRFLNHFANMR			Oxidation (M)[11]		Mascot
1845.9493	1845.8774	-0.0719	-39	51	69	SSFSGLAATVFGATGFLG R					Mascot
2005.0059	2005.0409	0.035	17	187	204	AVGEEAVRNEFPDAIMK			Oxidation (M)[17]		Mascot

22

taln-1 [Danio rerio]

gi|57222259

270469.6

5.86

23

37

0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
	858.4791	858.4422	-0.0369	-43	1187	1194 AVSQALNR				Mascot
	865.3906	865.4405	0.0499	58	461	468 MGSMPQAK		Oxidation (M)[1]		Mascot
	1089.5687	1089.5281	-0.0406	-37	1456	1465 GLVDPSQFAR				Mascot
	1093.5493	1093.5179	-0.0314	-29	2206	2215 AVADMLRSCK				Mascot
	1165.6576	1165.7386	0.081	69	1615	1625 SLAVNPKDPPK				Mascot
	1179.5422	1179.5941	0.0519	44	2441	2450 ADQDSQTMKR				Mascot
	1189.5232	1189.6831	0.1599	134	2002	2011 ENAETFADHR				Mascot
	1234.5811	1234.6748	0.0937	76	1541	1551 ALDGAFNQENR				Mascot
	1316.6804	1316.6709	-0.0095	-7	2193	2204 QEDVIATANLSR				Mascot
	1428.7917	1428.7797	-0.012	-8	1119	1132 DVAQALRSLASAAR				Mascot
	1444.5753	1444.7759	0.2006	139	1145	1157 NAMLDCTGDVMDK		Oxidation (M)[3,11]		Mascot
	1475.7886	1475.7452	-0.0434	-29	859	872 LLADATARMVEAAK		Oxidation (M)[9]		Mascot
	1493.7628	1493.7322	-0.0306	-20	1601	1614 AMLESSTGLIQTAR		Oxidation (M)[2]		Mascot
	1638.8077	1638.8502	0.0425	26	92	106 MLDGTVKTMVDDSK				Mascot
	1639.7744	1639.8311	0.0567	35	1929	1943 AGALQCSPNDSYTKK		Carbamidomethyl (C)[6]		Mascot
	1639.7744	1639.8311	0.0567	35	1929	1943 AGALQCSPNDSYTKK		Carbamidomethyl (C)[6]		Mascot
	1655.8308	1655.8046	-0.0262	-16	1914	1928 QVTELGYTCTGLVSK		Carbamidomethyl (C)[9]		Mascot
	1655.8308	1655.8046	-0.0262	-16	1914	1928 QVTELGYTCTGLVSK		Carbamidomethyl (C)[9]		Mascot
	1668.9471	1668.8925	-0.0546	-33	255	268 HKPGFLDLKEFLPK				Mascot
	1845.9561	1845.8774	-0.0787	-43	2488	2504 MVGGIAQIIAAQEMLR		Oxidation (M)[1]		Mascot
	1987.9575	1988.0239	0.0664	33	1037	1054 AQEACGPLEIDNALTMR		Carbamidomethyl (C)[5]		Mascot
	1987.9575	1988.0239	0.0664	33	1037	1054 AQEACGPLEIDNALTMR		Carbamidomethyl (C)[5]		Mascot
	2004.963	2005.0409	0.0779	39	279	295 IFQAHKNCQNMTEIEAK				Mascot
	2211.1865	2211.094	-0.0925	-42	2059	2080 LGAASLGSEDPETQVVLI NAVK				Mascot
	2225.1846	2225.1104	-0.0742	-33	718	738 VVVAPTISSPVCQEQLIEA GK		Carbamidomethyl (C)[12]		Mascot
	2225.1846	2225.1104	-0.0742	-33	718	738 VVVAPTISSPVCQEQLIEA GK		Carbamidomethyl (C)[12]		Mascot
	2233.0952	2233.0696	-0.0256	-11	1337	1357 AVTDSINQLISMCTQQAP GQK				Mascot

23 complement component c3b [Danio rerio] gi|220673392 182155.7 6.42 18 36 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
	865.4236	865.4405	0.0169	20	502	508 EMVPSFR				Mascot
	870.4176	870.5369	0.1193	137	1603	1609 SAEHRDR				Mascot

1565.901	1565.7883	-0.1127	-72	180	193	ALSQQRPPPLDTVLK						Mascot
1565.901	1565.7883	-0.1127	-72	180	193	ALSQQRPPPLDTVLK						Mascot
1987.9291	1988.0239	0.0948	48	319	335	ELYLQNHHSNTTTAAKC				Carbamidomethyl (C)[17]		Mascot
1987.9291	1988.0239	0.0948	48	319	335	ELYLQNHHSNTTTAAKC				Carbamidomethyl (C)[17]		Mascot

25 RecName: Full=Thrombospondin-3a; Short=Thbs3a; gi|110825751 105523.1 4.41 13 36 0
Flags: Precursor

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
866.4366	866.462	0.0254	29	104	110	YVREDGK					Mascot
913.5101	913.4963	-0.0138	-15	686	693	LISNPNQK					Mascot
913.5101	913.4963	-0.0138	-15	686	693	LISNPNQK					Mascot
996.6022	996.5918	-0.0104	-10	954	961	KQVLMHIK					Mascot
1179.5398	1179.5941	0.0543	46	279	288	SRCQPNPCFK					Mascot
1234.646	1234.6748	0.0288	23	254	263	EQVKEMSLVR			Oxidation (M)[6]		Mascot
1338.6801	1338.7688	0.0887	66	873	883	NVGWLDKTSYR					Mascot
1338.6801	1338.7688	0.0887	66	873	883	NVGWLDKTSYR					Mascot
1434.6934	1434.7635	0.0701	49	56	67	TLSDVYVMSTFR			Oxidation (M)[8]		Mascot
1638.8949	1638.8502	-0.0447	-27	27	41	QDVPVIDVLGLEDVK					Mascot
1639.8816	1639.8311	-0.0505	-31	884	896	WQLSHRPQVG YIR					Mascot
1639.8816	1639.8311	-0.0505	-31	884	896	WQLSHRPQVG YIR					Mascot
1655.7958	1655.8046	0.0088	5	404	418	TGYVGNQTAGCFPRK			Carbamidomethyl (C)[11]		Mascot
1655.7958	1655.8046	0.0088	5	404	418	TGYVGNQTAGCFPRK			Carbamidomethyl (C)[11]		Mascot
2233	2233.0696	0.0696	31	899	918	LYEGSEM VADSDVVIDTS MR			Oxidation (M)[7]		Mascot
2283.9363	2284.1633	0.227	99	419	438	SCSSLSFNPCDANAHC V MQR			Carbamidomethyl (C)[2,10]		Mascot
2300.134	2300.1697	0.0357	16	139	157	EYLSLELYVNCRLADSAQ R			Carbamidomethyl (C)[11]		Mascot

26 papilin b, proteoglycan-like sulfated glycoprotein [Danio rerio] gi|66472626 60158.6 8.23 10 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
832.4344	832.3935	-0.0409	-49	266	273	EVICVGGR					Mascot
1093.4764	1093.5179	0.0415	38	145	153	DVCVEGVCR			Carbamidomethyl (C)[3,8]		Mascot
1171.516	1171.6464	0.1304	111	56	67	TDGGHNCVGPSK					Mascot
1316.594	1316.6709	0.0769	58	476	486	DVGPCYEYKSR					Mascot

	1774.8574	1774.8722	0.0148	8	215	230	TSAMVDESHCIAKGLR	Carbamidomethyl (C)[10]	Mascot	
	1845.8734	1845.8774	0.004	2	438	453	YGCCLDGITAALGYRR	Carbamidomethyl (C)[3,4]	Mascot	
	2166.918	2167.0569	0.1389	64	454	475	AGCPDSSYGDHSPSASV CSLAR		Mascot	
	2225.0549	2225.1104	0.0555	25	277	295	LSEHHCSGLTRPQDTKA CK	Carbamidomethyl (C)[6,18]	Mascot	
	2225.0549	2225.1104	0.0555	25	277	295	LSEHHCSGLTRPQDTKA CK	Carbamidomethyl (C)[6,18]	Mascot	
	2232.9436	2233.0696	0.126	56	83	100	DFREEQCShFDQMTFQG K		Mascot	
	2395.084	2395.0476	-0.0364	-15	207	227	TVYCVHERTSAMVDESH CIAK	Oxidation (M)[12]	Mascot	
27	PREDICTED: protein piccolo [Danio rerio]				gi 326666555	462397.7	6.2	31	35	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
832.4046	832.3935	-0.0111	-13	946	952	EPSEKDK					Mascot
842.4049	842.5062	0.1013	120	4237	4242	VCRHDR			Carbamidomethyl (C)[2]		Mascot
870.5771	870.5369	-0.0402	-46	3229	3235	LLKQQLK					Mascot
913.5141	913.4963	-0.0178	-19	4201	4207	NITYKFK					Mascot
913.5141	913.4963	-0.0178	-19	4201	4207	NITYKFK					Mascot
999.4637	999.5625	0.0988	99	2246	2254	AVCCDVVYK					Mascot
1045.5248	1045.5597	0.0349	33	2014	2022	TPPPHPMPR			Oxidation (M)[7]		Mascot
1089.5786	1089.5281	-0.0505	-46	3964	3973	EDSPKSSVIK					Mascot
1155.5649	1155.6482	0.0833	72	2245	2254	RAVCCDVVYK					Mascot
1171.5796	1171.6464	0.0668	57	3592	3600	FHYPPHAR					Mascot
1338.6722	1338.7688	0.0966	72	3340	3350	LMQDEITFGLR			Oxidation (M)[2]		Mascot
1338.7012	1338.7688	0.0676	50	3487	3500	ASAGPLPPISADSR					Mascot
1357.679	1357.6796	0.0006	0	348	361	AAPAPGKAMCPLCK					Mascot
1411.6014	1411.6505	0.0491	35	706	719	VSGSEAQSCCPLCK					Mascot
1428.6238	1428.7797	0.1559	109	3386	3399	SSLGEDSSYPGSR					Mascot
1638.9299	1638.8502	-0.0797	-49	4058	4071	HHRHSVVGVTIQR					Mascot
1639.8472	1639.8311	-0.0161	-10	4187	4200	TEGEHLVLEILQCR					Mascot
1639.8472	1639.8311	-0.0161	-10	4187	4200	TEGEHLVLEILQCR					Mascot
1644.918	1644.7345	-0.1835	-112	495	509	RQQPPPLQKPSQSPK					Mascot
1668.8374	1668.8925	0.0551	33	3337	3350	SSRLMQDEITFGLR			Oxidation (M)[5]		Mascot
1774.6378	1774.8722	0.2344	132	2636	2650	MDSGCQTDEEDNTEK			Carbamidomethyl (C)[5], Oxidation (M)[1]		Mascot
1822.7688	1822.9247	0.1559	86	3214	3228	AQDEEDPMEEPFEK			Oxidation (M)[8]		Mascot
1822.8501	1822.9247	0.0746	41	4028	4045	AHLDDAAAMAEAGQQP R					Mascot
1845.9779	1845.8774	-0.1005	-54	2773	2789	SPKVLYSPIPCVSPSK			Carbamidomethyl (C)[12]		Mascot

	1886.8735	1886.9117	0.0382	20	2350	2366	TTGVCTGMTVPQYTQAR		Carbamidomethyl (C)[5], Oxidation (M)[8]	Mascot	
	1988.0157	1988.0239	0.0082	4	2617	2634	QMYPGEVLPEALVVTGE R			Mascot	
	1988.0157	1988.0239	0.0082	4	2617	2634	QMYPGEVLPEALVVTGE R			Mascot	
	1993.947	1993.9583	0.0113	6	1462	1477	KPLRSPDEVYEDMMQR			Mascot	
	2005.0098	2005.0409	0.0311	16	3189	3207	LLRHAAADVSSDYLGS R			Mascot	
	2196.9966	2197.0642	0.0676	31	1055	1073	TIGDKGEIESPMDEEDFIR		Oxidation (M)[12]	Mascot	
	2284.1826	2284.1633	-0.0193	-8	47	68	QLVAAMARAQSRPPETQ AGGTK		Oxidation (M)[6]	Mascot	
	2291.1853	2291.1448	-0.0405	-18	2615	2634	FRQMYPGEVLPEALVVT GER			Mascot	
	2382.1243	2382.1633	0.039	16	3692	3712	LDINMLSDSDSHLDLHD QVK			Mascot	
	2382.2373	2382.1633	-0.074	-31	2293	2315	GLGGIKPSMSDTNLAEA GLFLYK			Mascot	
28	Si:dkey-246a16.3 [Danio rerio]				gi 134025086		84499.9	6.06	12	35	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
865.4382	865.4405	0.0023	3	110	116	CGMITKR			Carbamidomethyl (C)[1]		Mascot
1045.5571	1045.5597	0.0026	2	100	109	AGAMPISSRR					Mascot
1184.6633	1184.5033	-0.16	-135	428	438	SIEGIPPTSRK					Mascot
1189.6171	1189.6831	0.066	55	652	662	DTGNRGS�IEK					Mascot
1279.6542	1279.6721	0.0179	14	570	579	HTTRFEVYAR					Mascot
1279.6542	1279.6721	0.0179	14	570	579	HTTRFEVYAR					Mascot
1316.7606	1316.6709	-0.0897	-68	57	68	LCLAQISNTLLK					Mascot
1419.7148	1419.6769	-0.0379	-27	663	674	NIESMAKEELQK					Mascot
1428.635	1428.7797	0.1447	101	383	394	HNELDVSEQSDR					Mascot
1668.8236	1668.8925	0.0689	41	736	750	HCTGTCTFKPPLPP			Carbamidomethyl (C)[2]		Mascot
1987.8438	1988.0239	0.1801	91	607	623	DVHEEESSTVEEMEPK			Oxidation (M)[14]		Mascot
1987.8438	1988.0239	0.1801	91	607	623	DVHEEESSTVEEMEPK			Oxidation (M)[14]		Mascot
2283.1782	2283.1675	-0.0107	-5	302	321	IPPLFPHPYGFPAFLC QK			Carbamidomethyl (C)[18]		Mascot
2291.0391	2291.1448	0.1057	46	1	21	MESIPNQLPAGRDSSCS PNSK			Carbamidomethyl (C)[16], Oxidation (M)[1]		Mascot

29 Unknown (protein for IMAGE:7251921) [Danio rerio] gi|148744663 44771.3 6.74 9 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1015.5418	1015.5523	0.0105	10	21	29	AEPITTQK					Mascot

	1338.5907	1338.7688	0.1781	133	99	110	SDVEETDSDIK							Mascot
	1338.5907	1338.7688	0.1781	133	99	110	SDVEETDSDIK							Mascot
	2197.0515	2197.0642	0.0127	6	322	341	CTGSELSLAECTIYNPTPI K			Carbamidomethyl (C)[1]				Mascot
	2211.2029	2211.094	-0.1089	-49	2	20	RILCAFIFICVLQSASLEK			Carbamidomethyl (C)[4]				Mascot
	2283.083	2283.1675	0.0845	37	268	287	GKMLVCGSEWNIAAANV FCR			Carbamidomethyl (C)[6,19]				Mascot
	2283.9502	2284.1633	0.2131	93	209	229	ACTLDGAEFYSMCQTNAI ACR			Oxidation (M)[12]				Mascot
	2291.1401	2291.1448	0.0047	2	37	57	IPPETNPEAAVEQTPDVN LEK							Mascot
	2381.998	2382.1633	0.1653	69	209	229	ACTLDGAEFYSMCQTNAI ACR			Carbamidomethyl (C)[2,13]				Mascot
	2382.168	2382.1633	-0.0047	-2	322	343	CTGSELSLAECTIYNPTPI KGK			Carbamidomethyl (C)[1]				Mascot
	2395.1995	2395.0476	-0.1519	-63	320	341	VRCTGSELSLAECTIYNP TPIK							Mascot
30	novel protein [Danio rerio]						gi 169146109	64501.6	6.3	10	34	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.5836	996.5918	0.0082	8	508	517	SPGILSPGIR					Mascot
1045.5411	1045.5597	0.0186	18	118	126	VIADLEEEK					Mascot
1179.5319	1179.5941	0.0622	53	92	101	LVMAHCTNMK			Oxidation (M)[3,9]		Mascot
1201.6284	1201.5355	-0.0929	-77	235	244	AQQIEARTER					Mascot
1493.6909	1493.7322	0.0413	28	92	103	LVMAHCTNMKEK			Carbamidomethyl (C)[6], Oxidation (M)[3,9]		Mascot
1639.869	1639.8311	-0.0379	-23	267	279	YQELLEQFNSLKK					Mascot
1639.869	1639.8311	-0.0379	-23	267	279	YQELLEQFNSLKK					Mascot
1707.749	1707.7631	0.0141	8	130	145	AQDAAAGDDITDMLER			Oxidation (M)[13]		Mascot
1994.1029	1993.9583	-0.1446	-73	497	517	NLAAASSPTGKSPGILSP GIR					Mascot
2167.1604	2167.0569	-0.1035	-48	304	325	ATSGITPPVSQVEADGKI ATPK					Mascot
2395.29	2395.0476	-0.2424	-101	1	21	MLLSILEGELEAQDVVIHT LR			Oxidation (M)[1]		Mascot

31 PREDICTED: neurogenic locus notch homolog protein 1-like [Danio rerio] gi|326677582 51895.6 5.21 9 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
866.397	866.462	0.065	75	1	7	MKCASNR			Carbamidomethyl (C)[3]		Mascot
1171.4871	1171.6464	0.1593	136	47	56	CDCVLGFSDR			Carbamidomethyl (C)[1]		Mascot
1184.438	1184.5033	0.0653	55	409	417	CEMDVNECK			Carbamidomethyl (C)[1,8]		Mascot

1200.433	1200.4988	0.0658	55	409	417	CEMDVNECK	Carbamidomethyl (C)[1,8], Oxidation (M)[3]	Mascot
1234.5343	1234.6748	0.1405	114	469	478	INSFHCECPK	Carbamidomethyl (C)[6]	Mascot
1444.6096	1444.7759	0.1663	115	166	177	CPPEYTGPHCQR	Carbamidomethyl (C)[1]	Mascot
1655.6611	1655.8046	0.1435	87	232	245	CIDGINTYNCHCDK	Carbamidomethyl (C)[1]	Mascot
1655.6611	1655.8046	0.1435	87	232	245	CIDGINTYNCHCDK	Carbamidomethyl (C)[1]	Mascot
1774.7855	1774.8722	0.0867	49	57	72	LCLTPVNHACMNSPCR	Oxidation (M)[11]	Mascot
1845.8694	1845.8774	0.008	4	30	46	NGGVCRPQMKGNEVG K	Carbamidomethyl (C)[5], Oxidation (M)[9]	Mascot
1987.9034	1988.0239	0.1205	61	326	343	TGLLCHLDDACISNPCQK	Carbamidomethyl (C)[5]	Mascot
1987.9034	1988.0239	0.1205	61	326	343	TGLLCHLDDACISNPCQK	Carbamidomethyl (C)[5]	Mascot

32 PREDICTED: corepressor interacting with RBPJ 1, partial [Danio rerio] gi|326670450 18483 7.63 7 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1062.5612	1062.6842	0.123	116	57	65	LLMGDDRDK			Oxidation (M)[3]		Mascot
1189.5492	1189.6831	0.1339	113	2	11	GKSFANFMCK			Carbamidomethyl (C)[9]		Mascot
1279.5632	1279.6721	0.1089	85	1	11	MGKSFANFMCK			Oxidation (M)[1]		Mascot
1279.5632	1279.6721	0.1089	85	1	11	MGKSFANFMCK			Oxidation (M)[1]		Mascot
1338.5757	1338.7688	0.1931	144	128	138	CHNWGHVNTDR					Mascot
1338.5757	1338.7688	0.1931	144	128	138	CHNWGHVNTDR					Mascot
1428.7706	1428.7797	0.0091	6	113	124	DQPFGIQVRNVR					Mascot
1822.9155	1822.9247	0.0092	5	64	80	VKNGLNFMYEAPPGASK					Mascot
1822.9155	1822.9247	0.0092	5	64	80	VKNGLNFMYEAPPGASK					Mascot
2283.0266	2283.1675	0.1409	62	139	161	ECPLFGLSGINASSMAGD EAGTV			Carbamidomethyl (C)[2]		Mascot

33 PREDICTED: cGMP-dependent protein kinase 1 [Danio rerio] gi|326676901 73240 8.78 11 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1015.5643	1015.5523	-0.012	-12	154	162	VTQAGRDLR					Mascot
1155.6527	1155.6482	-0.0045	-4	565	573	LCRLRPGQR			Carbamidomethyl (C)[2]		Mascot
1419.7566	1419.6769	-0.0797	-56	391	402	CDFIVRLHAAFK					Mascot
1434.7799	1434.7635	-0.0164	-11	88	100	VQKTSSETSIQVK					Mascot
1483.8413	1483.7457	-0.0956	-64	600	612	MGQLEAPTURLIR					Mascot
2005.0786	2005.0409	-0.0377	-19	452	468	GILYRDLKPENMLDSK					Mascot
2197.1143	2197.0642	-0.0501	-23	163	181	ILSPGDMFGELAILYNCK			Carbamidomethyl (C)[17]		Mascot

2225.1091	2225.1104	0.0013	1	39	56	R HLQALQERLDQLDCTTQ	Carbamidomethyl (C)[14]	Mascot
2225.1091	2225.1104	0.0013	1	39	56	R HLQALQERLDQLDCTTQ	Carbamidomethyl (C)[14]	Mascot
2284.0691	2284.1633	0.0942	41	111	129	CR LDEEQISMMVDLMKVLD	Oxidation (M)[8]	Mascot
2300.0642	2300.1697	0.1055	46	111	129	CR LDEEQISMMVDLMKVLD	Oxidation (M)[8,9]	Mascot
2382.1604	2382.1633	0.0029	1	137	159	TQAGR EGTEGDSMYIVAAGELKV		Mascot
2382.1604	2382.1633	0.0029	1	137	159	TQAGR EGTEGDSMYIVAAGELKV		Mascot
2395.2649	2395.0476	-0.2173	-91	69	90	RVQK AAVMAPEQVPEVLDITAN	Oxidation (M)[4]	Mascot

34 PREDICTED: UPF0639 protein-like [Danio rerio] gi|326675781 53022.8 5.16 9 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4866	882.5626	0.076	86	443	449	AYKIMTR					Mascot
1015.5795	1015.5523	-0.0272	-27	39	47	RPFGRPSAK					Mascot
1062.5314	1062.6842	0.1528	144	247	255	SLEELSQEK					Mascot
1419.6459	1419.6769	0.031	22	264	276	ERGQDVAETGSDR					Mascot
1444.792	1444.7759	-0.0161	-11	39	50	RPFGRPSAKWSR					Mascot
1493.6975	1493.7322	0.0347	23	171	182	LMEETEELCLQR					Mascot
2005.0236	2005.0409	0.0173	9	202	217	FEEVVQELRTEQEQIK					Mascot
2183.1792	2183.05	-0.1292	-59	76	95	ER YFNIHPKGVIPLGGCIVEA					Mascot
2283.219	2283.1675	-0.0515	-23	370	389	ER LKLAEEALQDLEQGLNTI					Mascot

35 PREDICTED: tripartite motif-containing protein 59-like [Danio rerio] gi|125836979 39637.8 5.73 8 32 0 5 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.5636	1045.5597	-0.0039	-4	174	182	SEALVQKDR					Mascot
1089.5609	1089.5281	-0.0328	-30	163	171	LAEQLQMEK					Mascot
1165.61	1165.7386	0.1286	110	131	140	IDDLQTAYVK					Mascot
1279.6464	1279.6721	0.0257	20	200	209	KEQFMQALER					Mascot
1279.6464	1279.6721	0.0257	20	200	209	KEQFMQALER					Mascot
1338.626	1338.7688	0.1428	107	322	333	NTLAFCSPSGWR					Mascot
1338.626	1338.7688	0.1428	107	322	333	NTLAFCSPSGWR	0	0			Mascot
1411.7441	1411.6505	-0.0936	-66	290	300	HWTDTVTLRLR					Mascot

	1987.8815	1988.0239	0.1424	72	301	318	DGPLPEISWHSESCSTS R	5	0		Mascot
	1987.8815	1988.0239	0.1424	72	301	318	DGPLPEISWHSESCSTS R				Mascot
	2283.0281	2283.1675	0.1394	61	94	113	SPSCPEHPGQPLNVYCV QDR			Carbamidomethyl (C)[4]	Mascot
36	PREDICTED: cytochrome c oxidase subunit 8B, mitochondrial-like [Danio rerio]				gi 68444759	7977.2	10.16	4	32	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
865.4274	865.4405	0.0131	15	66	73	HRPGAAQE					Mascot
913.5464	913.4963	-0.0501	-55	23	31	ANITAKPAK					Mascot
913.5464	913.4963	-0.0501	-55	23	31	ANITAKPAK					Mascot
1165.651	1165.7386	0.0876	75	7	16	SFTLLRAAMR					Mascot
1428.7416	1428.7797	0.0381	27	1	12	MSGFNRSFTLLR					Mascot
1444.7366	1444.7759	0.0393	27	1	12	MSGFNRSFTLLR			Oxidation (M)[1]		Mascot

37 eukaryotic translation initiation factor 4E [Danio rerio] gi|56090190 24998.3 5.66 7 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
858.4567	858.4422	-0.0145	-17	2	9	ATAEPEIK					Mascot
882.4791	882.5626	0.0835	95	173	180	EAVTHIGR					Mascot
1279.6429	1279.6721	0.0292	23	162	172	IAIWTADYGNR					Mascot
1279.6429	1279.6721	0.0292	23	162	172	IAIWTADYGNR					Mascot
1434.6893	1434.7635	0.0742	52	2	14	ATAEPEIKSNSCK			Carbamidomethyl (C)[12]		Mascot
1565.7297	1565.7883	0.0586	37	1	14	MATAEPEIKSNSCK			Carbamidomethyl (C)[13]		Mascot
1565.7297	1565.7883	0.0586	37	1	14	MATAEPEIKSNSCK			Carbamidomethyl (C)[13]		Mascot
1774.8999	1774.8722	-0.0277	-16	36	48	HPLQNRWCLWFFK					Mascot
2167.0159	2167.0569	0.041	19	186	205	LGVPNMNTIGYQSHADT ATK			Oxidation (M)[5,7]		Mascot

38 coiled-coil domain-containing protein 111 homolog [Danio rerio] gi|82658206 60125.6 5.26 9 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
999.4941	999.5625	0.0684	68	389	395	WCHNVKR			Carbamidomethyl (C)[2]		Mascot
1015.4196	1015.5523	0.1327	131	417	424	CHDPECRR					Mascot

	1089.541	1089.5281	-0.0129	-12	387	394	FRWCHNVK							Mascot
	1493.7845	1493.7322	-0.0523	-35	227	239	KTEENDLGFLTVK							Mascot
	1639.953	1639.8311	-0.1219	-74	396	409	FHKSNNIIIVDLK							Mascot
	1639.953	1639.8311	-0.1219	-74	396	409	FHKSNNIIIVDLK							Mascot
	1644.8158	1644.7345	-0.0813	-49	132	144	MMVAKLIQYVCEK				Carbamidomethyl (C)[11], Oxidation (M)[1,2]			Mascot
	2004.934	2005.0409	0.1069	53	97	113	HSLMHCYEIVLEGAVCK				Carbamidomethyl (C)[6], Oxidation (M)[4]			Mascot
	2167.1506	2167.0569	-0.0937	-43	293	311	DERIFLASLITNVSTGQR							Mascot
	2382.1831	2382.1633	-0.0198	-8	137	156	LIQYVCEKLEEVYGLHCS AK				Carbamidomethyl (C)[6]			Mascot
	2382.1831	2382.1633	-0.0198	-8	137	156	LIQYVCEKLEEVYGLHCS AK				Carbamidomethyl (C)[6]			Mascot
39	hypothetical protein LOC100135261 [Xenopus (Silurana) tropicalis]				gi 166158023	42901.5	9.7	8	32	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.5383	0.0602	71	178	184	SPSKYLR					Mascot
858.5155	858.4422	-0.0733	-85	352	358	AIELTLLR					Mascot
1165.6034	1165.7386	0.1352	116	78	87	MGSQVVIPYR			Oxidation (M)[1]		Mascot
1419.8318	1419.6769	-0.1549	-109	238	250	TVKQPVHVVDVAK					Mascot
1475.8151	1475.7452	-0.0699	-47	75	87	LGRMGSQVVIPYR					Mascot
1565.7278	1565.7883	0.0605	39	212	223	EDRFLNHFANMR			Oxidation (M)[11]		Mascot
1565.9196	1565.7883	-0.1313	-84	2	16	AAVTLICRPAGVLPK			Carbamidomethyl (C)[7]		Mascot
1639.9386	1639.8311	-0.1075	-66	1	16	MAAVTLICRPAGVLPK					Mascot
1639.9386	1639.8311	-0.1075	-66	1	16	MAAVTLICRPAGVLPK					Mascot
1655.9335	1655.8046	-0.1289	-78	1	16	MAAVTLICRPAGVLPK			Oxidation (M)[1]		Mascot
1655.9335	1655.8046	-0.1289	-78	1	16	MAAVTLICRPAGVLPK			Oxidation (M)[1]		Mascot

40 novel protein similar to vertebrate low density lipoprotein-related protein 1B (deleted in tumors)

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
858.4679	858.4422	-0.0257	-30	2471	2477	ILLDDNR					Mascot
865.3906	865.4405	0.0499	58	1069	1075	MCDPKAK			Carbamidomethyl (C)[2], Oxidation (M)[1]		Mascot
913.5366	913.4963	-0.0403	-44	1388	1394	QRHVVFVK					Mascot
913.5366	913.4963	-0.0403	-44	1388	1394	QRHVVFVK					Mascot
996.4996	996.5918	0.0922	93	1801	1808	VYDKDTQK					Mascot
1015.5894	1015.5523	-0.0371	-37	1782	1790	DGKNLTVLR					Mascot

	1062.5975	1062.6842	0.0867	82	1754	1764	KATALAVMGGK						Oxidation (M)[8]	Mascot
	1155.4882	1155.6482	0.16	138	323	332	CNMDGTNRTK						Oxidation (M)[3]	Mascot
	1179.5786	1179.5941	0.0155	13	1379	1389	IEGASMSGKQR						Oxidation (M)[6]	Mascot
	1189.6576	1189.6831	0.0255	21	1253	1263	GDYSLLVPGLR							Mascot
	1200.6331	1200.4988	-0.1343	-112	2468	2477	GERILLDDNR							Mascot
	1201.52	1201.5355	0.0155	13	2868	2877	NCHVNECLNR							Mascot
	1234.5382	1234.6748	0.1366	111	446	456	THACSPDPHGR						Carbamidomethyl (C)[4]	Mascot
	1316.5293	1316.6709	0.1416	108	2519	2528	MQYCENRNCR							Mascot
	1428.6648	1428.7797	0.1149	80	1499	1512	QPQTVSPCAGNGGR						Carbamidomethyl (C)[8]	Mascot
	1434.7118	1434.7635	0.0517	36	1537	1549	LSANNSTCQGVR						Carbamidomethyl (C)[8]	Mascot
	1475.589	1475.7452	0.1562	106	2515	2525	SDEKMQYCENR						Carbamidomethyl (C)[8], Oxidation (M)[5]	Mascot
	1483.8307	1483.7457	-0.085	-57	492	503	KPKNELFLFYGK							Mascot
	1493.7383	1493.7322	-0.0061	-4	2352	2364	LYFSDGSLGHIER							Mascot
	1639.7302	1639.8311	0.1009	62	1735	1749	CNLDGSGLDVIDSMK						Carbamidomethyl (C)[1], Oxidation (M)[14]	Mascot
	1639.7302	1639.8311	0.1009	62	1735	1749	CNLDGSGLDVIDSMK						Carbamidomethyl (C)[1], Oxidation (M)[14]	Mascot
	1655.7377	1655.8046	0.0669	40	147	160	CACTDGFSLQANRR	4	0				Carbamidomethyl (C)[1,3]	Mascot
	1655.7377	1655.8046	0.0669	40	147	160	CACTDGFSLQANRR						Carbamidomethyl (C)[1,3]	Mascot
	1774.8475	1774.8722	0.0247	14	458	473	GGCSHICLLSHNYKSR							Mascot
	1845.7014	1845.8774	0.176	95	1053	1068	DCEDGSDEFACEGAKR						Carbamidomethyl (C)[2,11]	Mascot
	1988.1003	1988.0239	-0.0764	-38	2373	2390	YVIVKSGPGTFFGLAIYR							Mascot
	1988.1003	1988.0239	-0.0764	-38	2373	2390	YVIVKSGPGTFFGLAIYR							Mascot
	2182.928	2183.05	0.122	56	1637	1654	NMYWMSSDNETHINVAR							Mascot
	2232.9546	2233.0696	0.115	52	1682	1701	MFWMDDGGTINMANMDG SNIK							Mascot
	2382.2573	2382.1633	-0.094	-39	2562	2583	VCLPSTAVPMAPVFP PGVIR						Carbamidomethyl (C)[2]	Mascot
	2382.2573	2382.1633	-0.094	-39	2562	2583	VCLPSTAVPMAPVFP PGVIR						Carbamidomethyl (C)[2]	Mascot
41	dynammin-1-like protein [Danio rerio]				gi 41055508		77214.6	6.16	11	31	0			

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
996.6088	996.5918	-0.017	-17	2	10	EALIPVINK						Mascot	
999.5581	999.5625	0.0044	4	422	429	RLEEPSLR						Mascot	
1155.6368	1155.6482	0.0114	10	564	574	LQSSIPASPQK						Mascot	
1171.563	1171.6464	0.0834	71	99	107	IYTDDEIR						Mascot	
1201.6357	1201.5355	-0.1002	-83	519	528	MRELPTSVPR				Oxidation (M)[1]		Mascot	
1419.8002	1419.6769	-0.1233	-87	287	297	TLNRLLMHHIR				Oxidation (M)[7]		Mascot	

	1707.9023	1707.7631	-0.1392	-82	117	132	VSGNNKGISDEPIHLK											Mascot
	1774.9454	1774.8722	-0.0732	-41	291	304	LLMHHIRDCLPELK										Carbamidomethyl (C)[9]	Mascot
	2197.074	2197.0642	-0.0098	-4	423	440	LEEPSLRCVELVHEEMQ R											Mascot
	2284.27	2284.1633	-0.1067	-47	397	417	NATGPRPALFVPEVSFEL LVK											Mascot
	2300.0676	2300.1697	0.1021	44	99	116	IYTFDEIRQEIENETER											Mascot
42	novel protein similar to vertebrate piccolo (presynaptic cytomatrix protein) (PCLO) [Danio rerio]						gi 122890940	337249	5.79	25	31	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	832.4046	832.3935	-0.0111	-13	16	22	EPSEKDK					Mascot
	870.5771	870.5369	-0.0402	-46	2299	2305	LLKQQLK					Mascot
	999.4637	999.5625	0.0988	99	1316	1324	AVCCDVVYK					Mascot
	1045.5248	1045.5597	0.0349	33	1084	1092	TPPPHPMPR			Oxidation (M)[7]		Mascot
	1089.5786	1089.5281	-0.0505	-46	3007	3016	EDSPKSSVIK					Mascot
	1155.5649	1155.6482	0.0833	72	1315	1324	RAVCCDVVYK					Mascot
	1171.5796	1171.6464	0.0668	57	2644	2652	FHYPPPHAR					Mascot
	1316.7321	1316.6709	-0.0612	-46	2883	2894	VYLLPGRGAENK					Mascot
	1338.6722	1338.7688	0.0966	72	2410	2420	LMQDEITFGLR			Oxidation (M)[2]		Mascot
	1338.7012	1338.7688	0.0676	50	2557	2570	ASAGPLPPISADSR					Mascot
	1411.7791	1411.6505	-0.1286	-91	3	15	EEAAPVKENELLK					Mascot
	1428.6238	1428.7797	0.1559	109	2456	2469	SSLGEDSSYPGSGR					Mascot
	1668.8374	1668.8925	0.0551	33	2407	2420	SSRLMQDEITFGLR			Oxidation (M)[5]		Mascot
	1774.6378	1774.8722	0.2344	132	1706	1720	MDSGCQTDEEDNTEK			Carbamidomethyl (C)[5], Oxidation (M)[1]		Mascot
	1822.7688	1822.9247	0.1559	86	2284	2298	AQDEEDPMEEPFEK			Oxidation (M)[8]		Mascot
	1822.8501	1822.9247	0.0746	41	3071	3088	AHLDDAAAMAEAGQQP R					Mascot
	1845.9779	1845.8774	-0.1005	-54	1843	1859	SPKVLYSPISPCVSPSK			Carbamidomethyl (C)[12]		Mascot
	1886.8735	1886.9117	0.0382	20	1420	1436	TTGVCTGMTVPQYTQAR			Carbamidomethyl (C)[5], Oxidation (M)[8]		Mascot
	1988.0157	1988.0239	0.0082	4	1687	1704	QMYPGEVLPALVVTGE R					Mascot
	1988.0157	1988.0239	0.0082	4	1687	1704	QMYPGEVLPALVVTGE R					Mascot
	1993.947	1993.9583	0.0113	6	532	547	KPLRSPDEVYEDMMQR					Mascot
	2005.0098	2005.0409	0.0311	16	2259	2277	LLRHAAADVSSDYLGSSS R					Mascot
	2196.9966	2197.0642	0.0676	31	125	143	TIGDKGEIESPMDEEDFIR			Oxidation (M)[12]		Mascot
	2291.1853	2291.1448	-0.0405	-18	1685	1704	FRQMYPGEVLPALVVT GER					Mascot

		2382.1243	2382.1633	0.039	16	2744	2764	LDINMLSDSDSSHLDLHDQVK					Mascot
		2382.2373	2382.1633	-0.074	-31	1363	1385	GLGGIKPSMSDTNLAEA GLFLYK					Mascot
43	Wu:f47e11 protein [Danio rerio]					gj 68534254	58915.8	9.6	12	31	0		
	Peptide Information												
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
		850.4417	850.5383	0.0966	114	358	364 NAETIFR						Mascot
		865.4447	865.4405	-0.0042	-5	4	12 MAASTGISK						Mascot
		913.5101	913.4963	-0.0138	-15	417	424 EAEKPLAR						Mascot
		913.5101	913.4963	-0.0138	-15	417	424 EAEKPLAR						Mascot
		1045.4545	1045.5597	0.1052	101	248	257 GSDSDQSPPR						Mascot
		1051.5604	1051.7067	0.1463	139	461	469 GVKEKPCYK						Mascot
		1093.5636	1093.5179	-0.0457	-42	358	366 NAETIFRDK						Mascot
		1155.5865	1155.6482	0.0617	53	310	320 TRSPDGQAAPR						Mascot
		1184.627	1184.5033	-0.1237	-104	265	275 GLDSDLSPPRK						Mascot
		1201.5557	1201.5355	-0.0202	-17	248	258 GSDSDQSPPRR						Mascot
		1234.5919	1234.6748	0.0829	67	441	451 EGDPMAAMLRK				Oxidation (M)[5]		Mascot
		1655.8096	1655.8046	-0.005	-3	293	308 RVQGQGGSDDLSPPR		3	0			Mascot
		1655.8096	1655.8046	-0.005	-3	294	309 VQGQGGSDDLSPPRR						Mascot
44	NP95 [Danio rerio]					gj 49618893	87114.9	6.46	12	31	0		
	Peptide Information												
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
		832.4498	832.3935	-0.0563	-68	1	6 MWIQVR						Mascot
		858.5043	858.4422	-0.0621	-72	25	31 VDELRVK						Mascot
		882.4944	882.5626	0.0682	77	43	48 QRLFYR						Mascot
		1171.6066	1171.6464	0.0398	34	12	21 ETHRVDSLK						Mascot
		1179.5398	1179.5941	0.0543	46	394	404 DWGKGMACVGR						Mascot
		1189.5275	1189.6831	0.1556	131	313	322 VCNCHVCGIK				Carbamidomethyl (C)[2,4]		Mascot
		1279.5769	1279.6721	0.0952	74	293	304 SQSNGPECKVCK						Mascot
		1279.5769	1279.6721	0.0952	74	293	304 SQSNGPECKVCK						Mascot
		1316.6627	1316.6709	0.0082	6	505	517 ALALNCNAAVNDK						Mascot
		1338.6206	1338.7688	0.1482	111	641	652 SQSMEEKSSPTK						Mascot
		1338.6206	1338.7688	0.1482	111	641	652 SQSMEEKSSPTK						Mascot
		1428.6907	1428.7797	0.089	62	228	238 GYWYDAEIQRK						Mascot

	1475.686	1475.7452	0.0592	40	624	636	NEDDIEETPTKGK										Mascot
	2211.1365	2211.094	-0.0425	-19	599	618	LGLTMQYPEGYLEAVAA KEK										Mascot
45	Wu:fi47e11 protein [Danio rerio]				gi 94574412		58914.8	9.66	12	31	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4417	850.5383	0.0966	114	358	364	NAETIFR					Mascot
865.4447	865.4405	-0.0042	-5	4	12	MAASTGISK					Mascot
913.5101	913.4963	-0.0138	-15	417	424	EAEKPLAR					Mascot
913.5101	913.4963	-0.0138	-15	417	424	EAEKPLAR					Mascot
1045.4545	1045.5597	0.1052	101	248	257	GSDSDQSPPR					Mascot
1051.5604	1051.7067	0.1463	139	461	469	GVKEKPCYK					Mascot
1093.5636	1093.5179	-0.0457	-42	358	366	NAETIFRDK					Mascot
1155.5865	1155.6482	0.0617	53	310	320	TRSPDGQAAPR					Mascot
1184.627	1184.5033	-0.1237	-104	265	275	GLDSDLSPPRK					Mascot
1201.5557	1201.5355	-0.0202	-17	248	258	GSDSDQSPPRR					Mascot
1234.5919	1234.6748	0.0829	67	441	451	EGDPMAAMLRK			Oxidation (M)[5]		Mascot
1655.8096	1655.8046	-0.005	-3	293	308	RVQGGQGSDSDLSPPR	3		0		Mascot
1655.8096	1655.8046	-0.005	-3	294	309	VQGGQGSDSDLSPPRR					Mascot

46	Ywhab1 protein [Danio rerio]				gi 56269288		32354.9	4.63	7	31	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1015.553	1015.5523	-0.0007	-1	56	64	AKLAEQAER					Mascot
1062.5538	1062.6842	0.1304	123	185	193	RTTVENSQK					Mascot
1155.5527	1155.6482	0.0955	83	174	184	YLSEVASGDSK					Mascot
1171.563	1171.6464	0.0834	71	194	203	AYQDAFEISK					Mascot
1189.6609	1189.6831	0.0222	19	259	268	DSTLIMQLLR					Mascot
1419.759	1419.6769	-0.0821	-58	103	114	SSWRVISSIEQK					Mascot
1822.9442	1822.9247	-0.0195	-11	41	55	YIPICIMDKSDLVQK			Carbamidomethyl (C)[5]		Mascot
1822.9442	1822.9247	-0.0195	-11	41	55	YIPICIMDKSDLVQK			Carbamidomethyl (C)[5]		Mascot

47	PREDICTED: UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2 [Danio rerio]				gi 125843963		48322.6	8.69	8	31	0						
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1

tubulin alpha-1C chain [Danio rerio]

gi|300244537

49937.5

4.97

7

561

100

537

100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1023.449	1023.458	0.009	9	97	105	EDAANNYAR					Mascot
1085.6201	1085.6276	0.0075	7	113	121	ELIDLVLDR	69	99.997			Mascot
1085.6201	1085.6276	0.0075	7	113	121	ELIDLVLDR					Mascot
1244.7208	1244.7266	0.0058	5	327	338	DVNAAIATIKTK					Mascot
1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK					Mascot
1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK	82	100			Mascot
1701.9058	1701.9159	0.0101	6	65	79	AVFVDLEPTVIDEVR	123	100			Mascot
1701.9058	1701.9159	0.0101	6	65	79	AVFVDLEPTVIDEVR					Mascot
2007.8929	2007.9091	0.0162	8	41	60	TIGGGDDSFNTFFSETGA GK					Mascot
2007.8929	2007.9091	0.0162	8	41	60	TIGGGDDSFNTFFSETGA GK	132	100			Mascot
2415.2051	2415.2056	0.0005	0	85	105	QLFHPEQLITGKEDAANN YAR	131	100			Mascot
2415.2051	2415.2056	0.0005	0	85	105	QLFHPEQLITGKEDAANN YAR					Mascot

2

Tuba1 protein [Danio rerio]

gi|27503932

50117.6

4.94

7

561

100

537

100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1023.449	1023.458	0.009	9	97	105	EDAANNYAR					Mascot
1085.6201	1085.6276	0.0075	7	113	121	EIIDLVLDR	69	99.997			Mascot
1085.6201	1085.6276	0.0075	7	113	121	EIIDLVLDR					Mascot
1244.7208	1244.7266	0.0058	5	327	338	DVNAAIATIKTK					Mascot
1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK					Mascot
1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK	82	100			Mascot
1701.9058	1701.9159	0.0101	6	65	79	AVFVDLEPTVIDEVR	123	100			Mascot
1701.9058	1701.9159	0.0101	6	65	79	AVFVDLEPTVIDEVR					Mascot
2007.8929	2007.9091	0.0162	8	41	60	TIGGGDDSFNTFFSETGA GK					Mascot
2007.8929	2007.9091	0.0162	8	41	60	TIGGGDDSFNTFFSETGA GK	132	100			Mascot
2415.2051	2415.2056	0.0005	0	85	105	QLFHPEQLITGKEDAANN YAR	131	100			Mascot
2415.2051	2415.2056	0.0005	0	85	105	QLFHPEQLITGKEDAANN YAR					Mascot

3

PREDICTED: tubulin alpha-1A chain isoform 1 [Danio rerio]

gi|125818111

50111.5

4.94

6

556

100

537

100

Peptide Information														
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification				Rank	Result Type
	1023.449	1023.458	0.009	9	97	105	EDAANNYAR						Mascot	
	1085.6201	1085.6276	0.0075	7	113	121	EIIDLVLDR	69	99.997				Mascot	
	1085.6201	1085.6276	0.0075	7	113	121	EIIDLVLDR						Mascot	
	1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK						Mascot	
	1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK	82	100				Mascot	
	1701.9058	1701.9159	0.0101	6	65	79	AVFVDLEPTVIDEVR	123	100				Mascot	
	1701.9058	1701.9159	0.0101	6	65	79	AVFVDLEPTVIDEVR						Mascot	
	2007.8929	2007.9091	0.0162	8	41	60	TIGGGDDSFNTFFSETGA GK						Mascot	
	2007.8929	2007.9091	0.0162	8	41	60	TIGGGDDSFNTFFSETGA GK	132	100				Mascot	
	2415.2051	2415.2056	0.0005	0	85	105	QLFHPEQLITGKEDAANN YAR	131	100				Mascot	
	2415.2051	2415.2056	0.0005	0	85	105	QLFHPEQLITGKEDAANN YAR						Mascot	
4	tubulin alpha 6 [Danio rerio]				gi 37595424		50002.4	4.93	6	555	100	537	100	

Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type	
	1023.449	1023.458	0.009	9	97	105	EDAANNYAR					Mascot	
	1085.6201	1085.6276	0.0075	7	113	121	EIIDLVLDR	69	99.997			Mascot	
	1085.6201	1085.6276	0.0075	7	113	121	EIIDLVLDR					Mascot	
	1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK					Mascot	
	1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK	82	100			Mascot	
	1701.9058	1701.9159	0.0101	6	65	79	AVFVDLEPTVIDEVR	123	100			Mascot	
	1701.9058	1701.9159	0.0101	6	65	79	AVFVDLEPTVIDEVR					Mascot	
	2007.8929	2007.9091	0.0162	8	41	60	TIGGGDDSFNTFFSETGA GK					Mascot	
	2007.8929	2007.9091	0.0162	8	41	60	TIGGGDDSFNTFFSETGA GK	132	100			Mascot	
	2415.2051	2415.2056	0.0005	0	85	105	QLFHPEQLITGKEDAANN YAR	131	100			Mascot	
	2415.2051	2415.2056	0.0005	0	85	105	QLFHPEQLITGKEDAANN YAR					Mascot	
5	tubulin, alpha 8 like 3 [Danio rerio]				gi 54261795		50034.4	4.93	6	432	100	414	100

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type

	1023.449	1023.458	0.009	9	97	105	EDAANNYAR										Mascot
	1085.6201	1085.6276	0.0075	7	113	121	EIIDLVLDR	69	99.997								Mascot
	1085.6201	1085.6276	0.0075	7	113	121	EIIDLVLDR										Mascot
	1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK										Mascot
	1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK	82	100								Mascot
	1715.9214	1715.9296	0.0082	5	65	79	AIFVDLEPTVIDEVR										Mascot
	2007.8929	2007.9091	0.0162	8	41	60	TIGGGDDSFNTFFSETGA GK										Mascot
	2007.8929	2007.9091	0.0162	8	41	60	TIGGGDDSFNTFFSETGA GK	132	100								Mascot
	2415.2051	2415.2056	0.0005	0	85	105	QLFHPEQLITGKEDAANN YAR	131	100								Mascot
	2415.2051	2415.2056	0.0005	0	85	105	QLFHPEQLITGKEDAANN YAR										Mascot
6	tubulin, alpha 8 like 4 [Danio rerio]					gi 41055710	49957.4	4.97	5	428	100	414	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1023.449	1023.458	0.009	9	97	105	EDAANNYAR						Mascot
1085.6201	1085.6276	0.0075	7	113	121	EIIDLVLDR	69	99.997				Mascot
1085.6201	1085.6276	0.0075	7	113	121	EIIDLVLDR						Mascot
1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK						Mascot
1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK	82	100				Mascot
2007.8929	2007.9091	0.0162	8	41	60	TIGGGDDSFNTFFSETGA GK						Mascot
2007.8929	2007.9091	0.0162	8	41	60	TIGGGDDSFNTFFSETGA GK	132	100				Mascot
2415.2051	2415.2056	0.0005	0	85	105	QLFHPEQLITGKEDAANN YAR	131	100				Mascot
2415.2051	2415.2056	0.0005	0	85	105	QLFHPEQLITGKEDAANN YAR						Mascot

7 hypothetical protein LOC641561 [Danio rerio] gi|83025060 49906.5 5.01 5 225 100 213 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1023.449	1023.458	0.009	9	97	105	EDAANNYAR						Mascot
1244.7208	1244.7266	0.0058	5	327	338	DVNAAIATIKTK						Mascot
1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK						Mascot
1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK	82	100				Mascot
1475.6415	1475.7621	0.1206	82	309	320	HGKYMACCMLYR						Mascot
2415.2051	2415.2056	0.0005	0	85	105	QLFHPEQLITGKEDAANN	131	100				Mascot

		2415.2051	2415.2056	0.0005	0	85	105	QLFHPEQLITGKEDAANN YAR										Mascot
8	tubulin, alpha 7 like [Danio rerio]						gi 50345118		49845.5	5.06	4	222	100	213	100			
	Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence			Ion Score	C. I.	%	Modification		Rank	Result Type	
		1023.449	1023.458	0.009	9	97	105	EDAANNYAR									Mascot	
		1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK									Mascot	
		1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK			82		100				Mascot	
		1475.6415	1475.7621	0.1206	82	309	320	HGKYMACCMLYR									Mascot	
		2415.2051	2415.2056	0.0005	0	85	105	QLFHPEQLITGKEDAANN YAR			131		100				Mascot	
		2415.2051	2415.2056	0.0005	0	85	105	QLFHPEQLITGKEDAANN YAR									Mascot	
9	tubulin alpha 8-like 3b [Danio rerio]						gi 269973893		52877.9	5	4	222	100	213	100			
	Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence			Ion Score	C. I.	%	Modification		Rank	Result Type	
		1023.449	1023.458	0.009	9	125	133	EDAANNYAR									Mascot	
		1410.7739	1410.7828	0.0089	6	113	124	QLFHPEQLITGK									Mascot	
		1410.7739	1410.7828	0.0089	6	113	124	QLFHPEQLITGK			82		100				Mascot	
		1715.9214	1715.9296	0.0082	5	93	107	AIFVDLEPTVIDEVR									Mascot	
		2415.2051	2415.2056	0.0005	0	113	133	QLFHPEQLITGKEDAANN YAR			131		100				Mascot	
		2415.2051	2415.2056	0.0005	0	113	133	QLFHPEQLITGKEDAANN YAR									Mascot	
10	Unknown (protein for MGC:173992) [Danio rerio]						gi 157422920		24667.1	6.3	3	216	100	205	100			
	Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence			Ion Score	C. I.	%	Modification		Rank	Result Type	
		1244.7208	1244.7266	0.0058	5	158	169	DVNAAIATIKTK									Mascot	
		1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK									Mascot	
		1410.7739	1410.7828	0.0089	6	85	96	QLFHPEQLITGK			82		100				Mascot	
		1701.9058	1701.9159	0.0101	6	65	79	AVFVDLEPTVIDEVR			123		100				Mascot	
		1701.9058	1701.9159	0.0101	6	65	79	AVFVDLEPTVIDEVR									Mascot	
11	tubulin alpha-1D chain [Danio rerio]						gi 54261761		50004.5	4.9	4	202	100	192	100			
	Peptide Information																	

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	1023.449	1023.458	0.009	9	97	105 EDAANNYAR					Mascot
	1085.6201	1085.6276	0.0075	7	113	121 EIIDLVLDR	69	99.997			Mascot
	1085.6201	1085.6276	0.0075	7	113	121 EIIDLVLDR					Mascot
	1701.9058	1701.9159	0.0101	6	65	79 AVFVDLEPTVIDEVR	123	100			Mascot
	1701.9058	1701.9159	0.0101	6	65	79 AVFVDLEPTVIDEVR					Mascot
	1993.8773	1993.9789	0.1016	51	41	60 TVGGGDDSFNTFFSETG AGK					Mascot
12	PREDICTED: secretory phospholipase A2 receptor-like [Danio rerio]					gi 326677742	114529.8	4.98	10	54 83.466	35 91.454

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	1085.4755	1085.6276	0.1521	140	757	764 ELCVFMDR	35	91.454	Carbamidomethyl (C)[3], Oxidation (M)[6]		Mascot
	1085.4755	1085.6276	0.1521	140	757	764 ELCVFMDR			Carbamidomethyl (C)[3], Oxidation (M)[6]		Mascot
	1287.5892	1287.676	0.0868	67	80	89 WTLEDSDFFK					Mascot
	1288.5562	1288.6534	0.0972	75	390	399 TWTEACRYCR					Mascot
	1364.5865	1364.7062	0.1197	88	745	756 NFYHEPDNSGGK					Mascot
	1410.7111	1410.7828	0.0717	51	38	49 DKYTDLATIENK					Mascot
	1410.7111	1410.7828	0.0717	51	38	49 DKYTDLATIENK					Mascot
	1493.7747	1493.7378	-0.0369	-25	140	152 NASATYVVIYQHK					Mascot
	1623.7941	1623.8529	0.0588	36	417	429 ILERICTQSSCTR			Carbamidomethyl (C)[6,11]		Mascot
	1851.8044	1851.9381	0.1337	72	332	346 DYRNWYHEPDNTGGK					Mascot
	1858.983	1858.8837	-0.0993	-53	939	953 IEQEVIIQLQEELMK			Oxidation (M)[14]		Mascot
	2415.0491	2415.2056	0.1565	65	745	764 NFYHEPDNSGGKELCVF MDR			Carbamidomethyl (C)[15]		Mascot
	2415.0491	2415.2056	0.1565	65	745	764 NFYHEPDNSGGKELCVF MDR			Carbamidomethyl (C)[15]		Mascot
13	acetylserotonin O-methyltransferase-like [Danio rerio]					gi 169154831	70785.2	5.72	9	45 0	19 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	1023.5105	1023.458	-0.0525	-51	344	351 QEEISVYR					Mascot
	1085.6313	1085.6276	-0.0037	-3	25	34 LEILSNAGLR	19	0			Mascot
	1085.6313	1085.6276	-0.0037	-3	25	34 LEILSNAGLR					Mascot
	1277.677	1277.7148	0.0378	30	563	574 ALLQALSMTEGK			Oxidation (M)[8]		Mascot
	1392.6318	1392.7539	0.1221	88	406	416 EDVFQDVYYSK					Mascot

1516.7828	1516.717	-0.0658	-43	597	609	HTDNLLDAMLFVK						Mascot
1623.7782	1623.8529	0.0747	46	617	632	TLLGCSSASIAETAELE						Mascot
1638.9901	1638.8604	-0.1297	-79	329	343	LLEAAVSLGLLERVR						Mascot
2211.1477	2211.1184	-0.0293	-13	467	485	AHPELSVTIFDLPQVIEMR			Oxidation (M)[18]			Mascot
3337.4519	3337.7576	0.3057	92	437	466	DLATAFDLSCYKTACDIG GCTGAMAYEFTK			Carbamidomethyl (C)[10,15,20]			Mascot

14 PREDICTED: echinoderm microtubule associated protein like 6 [Danio rerio] gi|326672044 191942.5 7.32 19 45 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4617	842.5182	0.0565	67	433	439	EDLPQLK					Mascot
850.4451	850.5499	0.1048	123	1228	1234	QTMSVLR			Oxidation (M)[3]		Mascot
996.5546	996.6024	0.0478	48	714	721	CLKTYAIK			Carbamidomethyl (C)[1]		Mascot
996.5546	996.6024	0.0478	48	714	721	CLKTYAIK			Carbamidomethyl (C)[1]		Mascot
1051.651	1051.7194	0.0684	65	1117	1126	AAPLPDKLVK					Mascot
1085.4972	1085.6276	0.1304	120	1684	1692	LFDFPCSEK					Mascot
1085.4972	1085.6276	0.1304	120	1684	1692	LFDFPCSEK					Mascot
1179.5575	1179.6073	0.0498	42	1269	1278	WQEGSRVCSK					Mascot
1320.6769	1320.5892	-0.0877	-66	176	187	FWALCGNALTPK					Mascot
1349.696	1349.7142	0.0182	13	927	937	EQLFFEAPRGR					Mascot
1410.7627	1410.7828	0.0201	14	982	994	KLLATGDDFGFVK					Mascot
1410.7627	1410.7828	0.0201	14	982	994	KLLATGDDFGFVK					Mascot
1535.8217	1535.7115	-0.1102	-72	529	541	DPAIHVWDIQLK					Mascot
1859.0425	1858.8837	-0.1588	-85	261	275	LWDVDFKPIKIDLR					Mascot
2008.0684	2007.9091	-0.1593	-79	1365	1382	VVAKAHTGPVFTMYTTLR			Oxidation (M)[13]		Mascot
2008.0684	2007.9091	-0.1593	-79	1365	1382	VVAKAHTGPVFTMYTTLR			Oxidation (M)[13]		Mascot
2095.0488	2095.1541	0.1053	50	296	313	ILAGTQDSEIFEVMVRDR			Oxidation (M)[14]		Mascot
2283.2019	2283.1895	-0.0124	-5	1285	1304	IFVVEFRPDSDTQFVSVG IK					Mascot
2283.2019	2283.1895	-0.0124	-5	1285	1304	IFVVEFRPDSDTQFVSVG IK					Mascot
2300.0764	2300.1904	0.114	50	1135	1153	TVEELSLDHVFGYRGFD CR			Carbamidomethyl (C)[18]		Mascot
2398.24	2398.1816	-0.0584	-24	876	896	YLAVASHDSFVDIYNVLT SKR					Mascot
2415.1907	2415.2056	0.0149	6	351	370	LWLSSEHTLIARCNMEEA VR			Carbamidomethyl (C)[13]		Mascot
2415.1907	2415.2056	0.0149	6	351	370	LWLSSEHTLIARCNMEEA VR			Carbamidomethyl (C)[13]		Mascot
3338.6436	3338.7561	0.1125	34	949	979	MEWATWTSVLGGTCEGI WPTLSLVNASSLTK					Mascot

	3729.8438	3729.9419	0.0981	26	765	799	SGPMTLLVQGHMEGEV WGLAAHPLLPICATVSDD K				Carbamidomethyl (C)[28]		Mascot
15	meteorin [Danio rerio]				gi 58000446		30960.5	8.54	8	41	0		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1023.5257	1023.458	-0.0677	-66	211	219	FALFPESGR						Mascot
	1279.6793	1279.7883	0.109	85	209	219	QKFALFPESGR						Mascot
	1349.6439	1349.7142	0.0703	52	272	283	QSLMIPCTLVND				Oxidation (M)[4]		Mascot
	1393.7587	1393.755	-0.0037	-3	211	222	FALFPESGRLTR						Mascot
	1393.7587	1393.755	-0.0037	-3	211	222	FALFPESGRLTR						Mascot
	1535.589	1535.7115	0.1225	80	1	12	MASYSEDQCSWR				Carbamidomethyl (C)[9], Oxidation (M)[1]		Mascot
	1790.8795	1790.9036	0.0241	13	247	261	VHFGEAWLGCAPRYK				Carbamidomethyl (C)[10]		Mascot
	2211.1492	2211.1184	-0.0308	-14	109	128	CFSALPGERPALFLQATP HR						Mascot
	2306.0176	2306.1606	0.143	62	1	21	MASYSEDQCSWRGSGLSQAVK				Oxidation (M)[1]		Mascot
16	N-acetylserotonin O-methyltransferase-like protein [Danio rerio]				gi 47087263		70740.2	5.78	8	39	0	19	0
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1023.5105	1023.458	-0.0525	-51	344	351	QEEISVYR						Mascot
	1085.6313	1085.6276	-0.0037	-3	25	34	LEILSNAGLR	19		0			Mascot
	1085.6313	1085.6276	-0.0037	-3	25	34	LEILSNAGLR						Mascot
	1277.677	1277.7148	0.0378	30	563	574	ALLQALSMTEGK				Oxidation (M)[8]		Mascot
	1392.6318	1392.7539	0.1221	88	406	416	EDVFQDVYYSK						Mascot
	1516.7828	1516.717	-0.0658	-43	597	609	HTDNLLDAMLFVK						Mascot
	1623.7782	1623.8529	0.0747	46	617	632	TLLGCSSASIETAELE						Mascot
	1638.9901	1638.8604	-0.1297	-79	329	343	LLEAAVSLGLLERVR						Mascot
	3337.4519	3337.7576	0.3057	92	437	466	DLATAFDLSCYKTACDIG GCTGAMAYEFTK				Carbamidomethyl (C)[10,15,20]		Mascot
17	PREDICTED: calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C-like, partial				gi 326681376		45655.3	5.68	9	39	0		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	864.4429	864.5258	0.0829	96	104	110	QMGLMLR				Oxidation (M)[2]		Mascot

	1023.4642	1023.458	-0.0062	-6	315	321	DDWREFR						Mascot
	1045.5823	1045.5695	-0.0128	-12	37	44	CLVKQLER	Carbamidomethyl (C)[1]					Mascot
	1062.5691	1062.699	0.1299	122	112	119	TEEKPRFR						Mascot
	1701.9323	1701.9159	-0.0164	-10	18	30	YLQPDQIEKIWLR						Mascot
	1701.9323	1701.9159	-0.0164	-10	18	30	YLQPDQIEKIWLR						Mascot
	2008.1001	2007.9091	-0.191	-95	195	213	IPVSALVSFVEALEVGYS K						Mascot
	2008.1001	2007.9091	-0.191	-95	195	213	IPVSALVSFVEALEVGYS K						Mascot
	2283.2634	2283.1895	-0.0739	-32	193	213	FKIPVSALVSFVEALEVG YSK						Mascot
	2283.2634	2283.1895	-0.0739	-32	193	213	FKIPVSALVSFVEALEVG YSK						Mascot
	2299.2583	2299.1948	-0.0635	-28	195	215	IPVSALVSFVEALEVGYS KYK						Mascot
	2306.134	2306.1606	0.0266	12	322	341	ALVVEMVLATDMSCHFQ QVK	Carbamidomethyl (C)[14]					Mascot
18	Sec23-like protein B [Danio rerio]				gi 37362184		86124.5	7.23	12	39	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1023.5258	1023.458	-0.0678	-66	251	259	DPWPVPQGK					Mascot
1287.5762	1287.676	0.0998	78	82	91	IWACNFCFQR					Mascot
1410.741	1410.7828	0.0418	30	402	414	MAFGATLEVKTSR					Mascot
1410.741	1410.7828	0.0418	30	402	414	MAFGATLEVKTSR					Mascot
1707.7683	1707.7819	0.0136	8	671	684	KAGYQEMAEYENFK					Mascot
1715.936	1715.9296	-0.0064	-4	415	431	ELKVSAGIGPCVSLNTK					Mascot
1790.9039	1790.9036	-0.0003	0	64	79	ANCKAVLNPLCQVDFR					Mascot
1840.7662	1840.9467	0.1805	98	432	449	GPCVSDSEMVGVGTCQ WK					Mascot
2230.1245	2230.1917	0.0672	30	287	308	VMLFTGGPPTQGPGMVV GDELK					Mascot
2283.126	2283.1895	0.0635	28	172	190	MIQVHELSCCEGIAKSYVF R			Carbamidomethyl (C)[9], Oxidation (M)[1]		Mascot
2283.126	2283.1895	0.0635	28	172	190	MIQVHELSCCEGIAKSYVF R			Carbamidomethyl (C)[9], Oxidation (M)[1]		Mascot
2306.0835	2306.1606	0.0771	33	588	606	RSPFLQVFNNSPDESSY YR					Mascot
2398.1528	2398.1816	0.0288	12	364	385	CLSNLTGGHIVMGDSFNT SLFK			Carbamidomethyl (C)[1]		Mascot
3338.5271	3338.7561	0.229	69	418	449	VSGAIGPCVSLNTKGPCV SDEMGVGGTCQWK			Carbamidomethyl (C)[8,17,29]		Mascot

19 SH3 domain-binding protein 4-A [Danio rerio] gi|45387913 104947.5 7.73 14 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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		842.5822	842.5182	-0.064	-76	634	640	LIKTVIR									Mascot
		850.4338	850.5499	0.1161	137	358	364	LSNMEIK			Oxidation (M)[4]						Mascot
		870.4726	870.5475	0.0749	86	1	7	MAAHRIR			Oxidation (M)[1]						Mascot
		1023.5655	1023.458	-0.1075	-105	625	633	CITNLKFGK									Mascot
		1045.4796	1045.5695	0.0899	86	762	770	AELDSEPER									Mascot
		1623.7723	1623.8529	0.0806	50	66	79	DYCPSSFTTLKFSK									Mascot
		1671.806	1671.8976	0.0916	55	432	445	HVSFSSNVWNHMK									Mascot
		1840.8237	1840.9467	0.123	67	379	394	TESPMAEIVCVRSDCK			Carbamidomethyl (C)[10], Oxidation (M)[5]						Mascot
		2008.0024	2007.9091	-0.0933	-46	373	390	VSVMTRTESPMAEIVCVR									Mascot
		2008.0024	2007.9091	-0.0933	-46	373	390	VSVMTRTESPMAEIVCVR									Mascot
		2230.2417	2230.1917	-0.05	-22	813	831	LIMDFVLLTTAVEVAPRW R									Mascot
		2284.2368	2284.1853	-0.0515	-23	463	484	TVVAIFGHDCAPKTLVS EVGK									Mascot
		2300.0686	2300.1904	0.1218	53	568	587	DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5]						Mascot
		3337.6052	3337.7576	0.1524	46	269	298	LARSCHDLESLGQNPWG GQTQPVETNIVCK			Carbamidomethyl (C)[5]						Mascot
		3338.5496	3338.7561	0.2065	62	856	884	TGMVDSEAMWKPAYDFL LTWAAQIGDSYR			Oxidation (M)[3]						Mascot
20	PREDICTED: hypothetical protein LOC100002352 [Danio rerio]						gi 326667104	28311.2	4.72	8	38	0					
		Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
		1023.4887	1023.458	-0.0307	-30	47	54	LSEEMRSR				Oxidation (M)[5]				Mascot	
		1277.6704	1277.7148	0.0444	35	179	189	LICEMARQIGK				Oxidation (M)[5]				Mascot	
		1320.5493	1320.5892	0.0399	30	167	178	DMNSHIGNACMK								Mascot	
		1349.63	1349.7142	0.0842	62	27	37	RLCQECGLDAK				Carbamidomethyl (C)[3,6]				Mascot	
		1393.5657	1393.755	0.1893	136	167	178	DMNSHIGNACMK				Carbamidomethyl (C)[10], Oxidation (M)[2]				Mascot	
		1393.5657	1393.755	0.1893	136	167	178	DMNSHIGNACMK				Carbamidomethyl (C)[10], Oxidation (M)[2]				Mascot	
		1475.7887	1475.7621	-0.0266	-18	41	52	TDLLRLSEEMR								Mascot	
		1493.6835	1493.7378	0.0543	36	28	40	LCQECGLDAKGSR				Carbamidomethyl (C)[2,5]				Mascot	
		1858.7809	1858.8837	0.1028	55	237	252	FVVCENCLPSGSWDMV				Carbamidomethyl (C)[4], Oxidation (M)[15]				Mascot	
		2282.9807	2283.1895	0.2088	91	167	185	DMNSHIGNACMKLICEM R				Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]				Mascot	
		2282.9807	2283.1895	0.2088	91	167	185	DMNSHIGNACMKLICEM R				Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]				Mascot	
		2298.9756	2299.1948	0.2192	95	167	185	DMNSHIGNACMKLICEM R				Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]				Mascot	
21	PREDICTED: e3 ubiquitin-protein ligase BRE1A [Danio rerio]						gi 189527718	115551	5.66	17	37	0					

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5206	842.5182	-0.0024	-3	61	67	ALQIKNR					Mascot
960.4744	960.4806	0.0062	6	720	726	ELEERER					Mascot
1045.5823	1045.5695	-0.0128	-12	786	793	LMQQLREK					Mascot
1062.5426	1062.699	0.1564	147	707	715	TKSEAEELR					Mascot
1287.6791	1287.676	-0.0031	-2	743	753	SVEEQIDILNK					Mascot
1393.6284	1393.755	0.1266	91	107	116	YWNQFDEHVR					Mascot
1393.6284	1393.755	0.1266	91	107	116	YWNQFDEHVR					Mascot
1432.7278	1432.7507	0.0229	16	900	911	EEVIENSISREK					Mascot
1475.6268	1475.7621	0.1353	92	975	985	CFHVFCEFCVK			Carbamidomethyl (C)[1,6]		Mascot
1638.7826	1638.8604	0.0778	47	317	332	VCGEASSVCGTITINK			Carbamidomethyl (C)[2]		Mascot
1707.7478	1707.7819	0.0341	20	995	1009	CPKCNAAFGANDFHR			Carbamidomethyl (C)[1]		Mascot
1826.8514	1826.9823	0.1309	72	139	155	SLKPGTPEPDGDSNQER					Mascot
1851.905	1851.9381	0.0331	18	317	333	VCGEASSVCGTITINKR			Carbamidomethyl (C)[2,9]		Mascot
1858.7871	1858.8837	0.0966	52	122	138	CDQSGSEPVESQPPEGR			Carbamidomethyl (C)[1]		Mascot
2095.0535	2095.1541	0.1006	48	485	501	EMRHLISTLQTHNQMK					Mascot
2299.0918	2299.1948	0.103	45	243	262	LCQLTDGLQKSHMTS ESR					Mascot
2300.1816	2300.1904	0.0088	4	222	242	DGGLWDVAVRLNALLTG MNER					Mascot
3729.7395	3729.9419	0.2024	54	160	194	GQQGEGVSSFLATLASS TSEEIDAEQERVESSCK			Carbamidomethyl (C)[34]		Mascot
22	LOC402838 protein [Danio rerio]			gi 27882353		64909.8	5.17	10	37	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5206	842.5182	-0.0024	-3	30	36	ALQIKNR					Mascot
1393.7169	1393.755	0.0381	27	2	16	STGSGGSTAVETVIK					Mascot
1393.7169	1393.755	0.0381	27	2	16	STGSGGSTAVETVIK					Mascot
1638.7826	1638.8604	0.0778	47	286	301	VCGEASSVCGTITINK			Carbamidomethyl (C)[2]		Mascot
1826.8514	1826.9823	0.1309	72	108	124	SLKPGTPEPDGDSNQER					Mascot
1851.905	1851.9381	0.0331	18	286	302	VCGEASSVCGTITINKR			Carbamidomethyl (C)[2,9]		Mascot
1858.7871	1858.8837	0.0966	52	91	107	CDQSGSEPVESQPPEGR			Carbamidomethyl (C)[1]		Mascot
2095.0535	2095.1541	0.1006	48	454	470	EMRHLISTLQTHNQMK					Mascot
2299.0918	2299.1948	0.103	45	212	231	LCQLTDGLQKSHMTS ESR					Mascot

25 PREDICTED: hypothetical protein LOC100535533 gi|326671744 3229.6 9.19 4 35 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.4641	996.6024	0.1383	139	4	12	AGPVFSCMK			Carbamidomethyl (C)[7]		Mascot
996.4641	996.6024	0.1383	139	4	12	AGPVFSCMK			Carbamidomethyl (C)[7]		Mascot
1287.5894	1287.676	0.0866	67	1	12	MGKAGPVFSCMK			Oxidation (M)[1,11]		Mascot
1364.674	1364.7062	0.0322	24	13	24	HNGHAISMEIQK					Mascot
1993.9912	1993.9789	-0.0123	-6	13	30	HNGHAISMEIQKTGLWTA					Mascot

26 RecName: Full=SH3 domain-binding protein 4-A gi|123888628 108383 7.89 14 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5822	842.5182	-0.064	-76	663	669	LIKTIVIR					Mascot
850.4338	850.5499	0.1161	137	387	393	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.5475	0.0749	86	1	7	MAAHRIR			Oxidation (M)[1]		Mascot
1023.5655	1023.458	-0.1075	-105	654	662	CITNLKFGK					Mascot
1045.4796	1045.5695	0.0899	86	791	799	AELDSEPER					Mascot
1623.7723	1623.8529	0.0806	50	66	79	DYCPSSFTTLKFSK					Mascot
1671.806	1671.8976	0.0916	55	461	474	HVSFSSNVWNHMK					Mascot
1840.8237	1840.9467	0.123	67	408	423	TESPMAEIVCVRSCK			Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot
2008.0024	2007.9091	-0.0933	-46	402	419	VSVMTRTESPMAEIVCVR					Mascot
2008.0024	2007.9091	-0.0933	-46	402	419	VSVMTRTESPMAEIVCVR					Mascot
2230.2417	2230.1917	-0.05	-22	842	860	LIMDFVLLTTAVEVAPRW R					Mascot
2284.2368	2284.1853	-0.0515	-23	492	513	TVVAIFGHDCAPKTLVS EVGK					Mascot
2300.0686	2300.1904	0.1218	53	597	616	DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5]		Mascot
3337.6052	3337.7576	0.1524	46	298	327	LARSCHDLESLGQNPWG GQTQPVETNIVCK			Carbamidomethyl (C)[5]		Mascot
3338.5496	3338.7561	0.2065	62	885	913	TGMVDSEAMWKPAYDFL LTWAAQIGDSYR			Oxidation (M)[3]		Mascot

27 PREDICTED: tetratricopeptide repeat protein 23-like gi|326676038 8822.5 10.02 5 34 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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1393.6324	1393.755	0.1226	88	1	11	MTQGHMRHAHR	Oxidation (M)[1,6]	Mascot
1393.6324	1393.755	0.1226	88	1	11	MTQGHMRHAHR	Oxidation (M)[1,6]	Mascot
1535.7258	1535.7115	-0.0143	-9	37	50	SVDMLSQSPEVSEK		Mascot
1707.8218	1707.7819	-0.0399	-23	37	51	SVDMLSQSPEVSEKR	Oxidation (M)[4]	Mascot
1790.9258	1790.9036	-0.0222	-12	16	30	CFEIQSLLYGPQHKK		Mascot
2007.9652	2007.9091	-0.0561	-28	33	50	ATQRSVDMLSQSPEVSE K	Oxidation (M)[8]	Mascot
2007.9652	2007.9091	-0.0561	-28	33	50	ATQRSVDMLSQSPEVSE K	Oxidation (M)[8]	Mascot

28 PREDICTED: DNA repair and recombination protein
RAD54B [Danio rerio] gi|189529831 130627.4 7.85 16 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
983.5156	983.5491	0.0335	34	135	142	ILEEHTNK				Mascot
1051.6007	1051.7194	0.1187	113	143	151	HAVIVDKNR				Mascot
1062.6418	1062.699	0.0572	54	786	794	LTGVFTLRR				Mascot
1085.6387	1085.6276	-0.0111	-10	622	632	ALVVCPSGLVK				Mascot
1085.6387	1085.6276	-0.0111	-10	622	632	ALVVCPSGLVK				Mascot
1277.6228	1277.7148	0.092	72	584	596	CGAILADEMGLGK				Mascot
1279.6178	1279.7883	0.1705	133	160	170	YNSFGGERPPR				Mascot
1320.7052	1320.5892	-0.116	-88	707	719	TAGALTALSCTRR				Mascot
1393.6892	1393.755	0.0658	47	774	785	CIGEERAAELFR				Mascot
1393.6892	1393.755	0.0658	47	774	785	CIGEERAAELFR				Mascot
1493.7594	1493.7378	-0.0216	-14	795	806	TQEINQYLSEK				Mascot
1516.7754	1516.717	-0.0584	-39	1060	1072	KAEHISFSAEELR				Mascot
1671.8597	1671.8976	0.0379	23	211	224	IMEMIPQLFHIGDK				Mascot
1827.0236	1826.9823	-0.0413	-23	128	142	LVQPHIRILEEHTNK				Mascot
1840.9163	1840.9467	0.0304	17	382	396	LAHYYSVIWCKASSR		Carbamidomethyl (C)[10]		Mascot
1851.8827	1851.9381	0.0554	30	432	449	ASELESLCEGQTLMTVGG K				Mascot
2501.1135	2501.2566	0.1431	57	101	122	SMPDFPEPEESARSSNF TLSEK		Oxidation (M)[2]		Mascot
3337.7249	3337.7576	0.0327	10	795	821	TQEINQYLSEKIEWTVFC KPTLQIR				Mascot

29 ADP/ATP translocase 2 [Danio rerio] gi|27545251 32742.1 9.78 7 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
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	996.4536	996.6024	0.1488	149	237	244	RMMMQSGR										Mascot
	996.4536	996.6024	0.1488	149	237	244	RMMMQSGR										Mascot
	1287.6912	1287.676	-0.0152	-12	53	63	GIMDCVVRIPK					Carbamidomethyl (C)[5]					Mascot
	1707.8481	1707.7819	-0.0662	-39	148	163	AGAEREFSGLGNCLVK					Carbamidomethyl (C)[13]					Mascot
	1715.788	1715.9296	0.1416	83	246	260	GADIMYSGTIDCWRK										Mascot
	2284.2236	2284.1853	-0.0383	-17	73	92	GNLANVIRYFPTQALNFA FK										Mascot
	2299.2002	2299.1948	-0.0054	-2	1	23	MSETAISFAKDFLAGGIA AAISK										Mascot
	3514.7	3514.8047	0.1047	30	107	138	TQFWRYFAGNLASGGAA GATSLCFVYPLDFAR					Carbamidomethyl (C)[23]					Mascot
30	PREDICTED: tRNA-dihydrouridine synthase 2-like [Danio rerio]						gi 292628574	56676.6	6.04	11	33	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.473	842.5182	0.0452	54	436	443	TLGLPEGR					Mascot
1045.4628	1045.5695	0.1067	102	288	295	YCLCQMLR			Oxidation (M)[6]		Mascot
1051.6007	1051.7194	0.1187	113	180	190	TGVAIAIVHGR					Mascot
1062.5538	1062.699	0.1452	137	328	336	TTAELESRR					Mascot
1277.6041	1277.7148	0.1107	87	129	141	GGMGSALLSDPEK			Oxidation (M)[3]		Mascot
1316.5908	1316.6674	0.0766	58	288	297	YCLCQMLRDR			Oxidation (M)[6]		Mascot
1349.6519	1349.7142	0.0623	46	89	100	VVFQMGTDAPER					Mascot
1432.6415	1432.7507	0.1092	76	1	12	MMKVMMANTVGR			Oxidation (M)[1,2,5,6]		Mascot
2299.1387	2299.1948	0.0561	24	259	278	QQGALSVDQVMQEYITY AVR					Mascot
2384.1484	2383.9722	-0.1762	-74	237	258	ESTGASSVMLARAAMWN PSVFR			Oxidation (M)[9]		Mascot
2398.1265	2398.1816	0.0551	23	107	128	LVENDVAADVNMGCPK EYSTK			Oxidation (M)[13]		Mascot

31	PREDICTED: lysosomal thioesterase PPT2-like [Danio rerio]						gi 189529027	32977.1	9.45	7	32	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1085.6499	1085.6276	-0.0223	-21	81	89	KAIKPIMER					Mascot
1085.6499	1085.6276	-0.0223	-21	81	89	KAIKPIMER					Mascot
1316.7249	1316.6674	-0.0575	-44	137	147	YISKFFPSLSK					Mascot
1701.8563	1701.9159	0.0596	35	92	107	DGVHLICFAQGGLICR	1		0		Mascot
1701.8563	1701.9159	0.0596	35	92	107	DGVHLICFAQGGLICR					Mascot
1707.7795	1707.7819	0.0024	1	163	176	SSCSYWKDPHQIEK					Mascot

	1790.849	1790.9036	0.0546	30	148	162	STLYNACYTTQGQKR		Carbamidomethyl (C)[7]		Mascot
	1841.0208	1840.9467	-0.0741	-40	177	192	YLKYSVFLAPLNGEVK				Mascot
	2384.1592	2383.9722	-0.187	-78	141	161	FFPSLSKSTLYNACYTTQ GQK				Mascot
32	PREDICTED: protein NLRC3-like [Danio rerio]				gi 326680819		81089.1	7.57	12	32	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
983.4502	983.5491	0.0989	101	522	529	DCGIDIYK			Carbamidomethyl (C)[2]		Mascot
1045.5459	1045.5695	0.0236	23	11	19	NMLQQLGNK					Mascot
1062.5803	1062.699	0.1187	112	473	480	FQIQQSRR					Mascot
1364.7103	1364.7062	-0.0041	-3	9	19	FRNMLQQLGNK			Oxidation (M)[4]		Mascot
1392.7191	1392.7539	0.0348	25	317	328	VLFIELDGLDECR					Mascot
1410.7198	1410.7828	0.063	45	462	472	TLTQMYTHFLR					Mascot
1410.7198	1410.7828	0.063	45	462	472	TLTQMYTHFLR					Mascot
1826.8953	1826.9823	0.087	48	143	158	DSTQAAAYQLEMNKLK			Oxidation (M)[12]		Mascot
1840.9148	1840.9467	0.0319	17	225	240	QIEAASRPAEQDEQIR					Mascot
2143.999	2144.1206	0.1216	57	176	192	ESWYIPHHMTHHNGKNR					Mascot
2298.1812	2298.2004	0.0192	8	462	479	TLTQMYTHFLRFQIQQSR					Mascot
2306.1008	2306.1606	0.0598	26	511	529	NNVIFYESDLKDCGIDIYK			Carbamidomethyl (C)[13]		Mascot
2415.1028	2415.2056	0.1028	43	522	542	DCGIDIYKASVYSGMCTQ IFK			Carbamidomethyl (C)[2], Oxidation (M)[15]		Mascot
2415.1028	2415.2056	0.1028	43	522	542	DCGIDIYKASVYSGMCTQ IFK			Carbamidomethyl (C)[2], Oxidation (M)[15]		Mascot

33	Zgc:55557 protein [Danio rerio]				gi 158253754		25038.8	8.63	6	32	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4417	850.5499	0.1082	127	105	111	EFKEAAR					Mascot
1279.7368	1279.7883	0.0515	40	43	54	SVYRIISVGGTK					Mascot
1410.676	1410.7828	0.1068	76	70	81	TSQKFGQWADSR					Mascot
1410.676	1410.7828	0.1068	76	70	81	TSQKFGQWADSR					Mascot
1715.7211	1715.9296	0.2085	122	164	177	SADMEQTTEKEQMR			Oxidation (M)[4,13]		Mascot
2230.0366	2230.1917	0.1551	70	179	198	MLSEGSICEVNSEAELFS LR			Oxidation (M)[1]		Mascot
2415.1531	2415.2056	0.0525	22	178	198	KMLSEGSICEVNSEAELF SLR			Carbamidomethyl (C)[9], Oxidation (M)[2]		Mascot
2415.1531	2415.2056	0.0525	22	178	198	KMLSEGSICEVNSEAELF SLR			Carbamidomethyl (C)[9], Oxidation (M)[2]		Mascot

34 PREDICTED: CBP80/20-dependent translation initiation factor-like [Danio rerio] gi|326677542 71302.3 6.06 5 31 0 22 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1062.5426	1062.699	0.1564	147	329	337	NTKETENVK					Mascot
1393.672	1393.755	0.083	60	291	302	QIGPHHGYSQNR					Mascot
1393.7355	1393.755	0.0195	14	368	380	TESGKICLLQSSK					Mascot
1410.7196	1410.7828	0.0632	45	221	237	QQRLPGGGGGGGGAGG K					Mascot
1410.7196	1410.7828	0.0632	45	221	237	QQRLPGGGGGGGGAGG K	22	0			Mascot
2211.1047	2211.1184	0.0137	6	523	541	SSAGEPFRVLVCPYISCL R			Carbamidomethyl (C)[12,17]		Mascot

35 truncated SH3 binding domain protein 4 [Danio rerio] gi|33438222 84564.4 8.75 11 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5822	842.5182	-0.064	-76	634	640	LIKTVIR					Mascot
850.4338	850.5499	0.1161	137	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.5475	0.0749	86	1	7	MAHRIR			Oxidation (M)[1]		Mascot
1023.5655	1023.458	-0.1075	-105	625	633	CITNLKFGK					Mascot
1623.7723	1623.8529	0.0806	50	66	79	DYCPSSFITLKFSK					Mascot
1671.806	1671.8976	0.0916	55	432	445	HVSFSSNVWNHMK					Mascot
1840.8237	1840.9467	0.123	67	379	394	TESPMIEIVCRSDCK			Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot
2008.0024	2007.9091	-0.0933	-46	373	390	VSMTRTESPMIEIVCR					Mascot
2008.0024	2007.9091	-0.0933	-46	373	390	VSMTRTESPMIEIVCR					Mascot
2284.2368	2284.1853	-0.0515	-23	463	484	TVVAIFGHDCAPKTLVS EVGK					Mascot
2300.0686	2300.1904	0.1218	53	568	587	DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5]		Mascot
3337.6052	3337.7576	0.1524	46	269	298	LARSCHDLES LGQNP GW GQTQPVETNIVCK			Carbamidomethyl (C)[5]		Mascot

36 PREDICTED: zinc finger protein 420 isoform 2 [Danio rerio] gi|326678086 70371 9.08 13 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.5182	-0.0024	-3	25	31	QRQGLLK					Mascot
864.4798	864.5258	0.046	53	591	597	HRSVHTK					Mascot

	1045.536	1045.5695	0.0335	32	134	141	FHCARNLK		Carbamidomethyl (C)[3]	Mascot
	1393.5723	1393.755	0.1827	131	32	43	DSEKMSDPEPCR			Mascot
	1393.5723	1393.755	0.1827	131	32	43	DSEKMSDPEPCR			Mascot
	1623.806	1623.8529	0.0469	29	105	117	SFSQKYNLNVHMR			Mascot
	1671.7729	1671.8976	0.1247	75	538	552	VHTGEKPFACHTCGK		Carbamidomethyl (C)[10]	Mascot
	1851.8477	1851.9381	0.0904	49	276	291	CSSHLNEHMIHTGEK		Oxidation (M)[9]	Mascot
	2144.0125	2144.1206	0.1081	50	367	384	HQRIHTGEKPYTCTQCG K		Carbamidomethyl (C)[13]	Mascot
	2211.0798	2211.1184	0.0386	17	450	468	IHLRVHTNEKPYSCPECG K			Mascot
	2230.0605	2230.1917	0.1312	59	276	294	CSSHLNEHMIHTGEKTH R			Mascot
	2283.0579	2283.1895	0.1316	58	227	245	HQMIHTGEKPYKSHCD LR			Mascot
	2283.0579	2283.1895	0.1316	58	227	245	HQMIHTGEKPYKSHCD LR			Mascot
	2298.0906	2298.2004	0.1098	48	478	496	LHQHVHTGVREFVCFEC EK			Mascot
	2299.053	2299.1948	0.1418	62	227	245	HQMIHTGEKPYKSHCD LR		Oxidation (M)[3]	Mascot
	2415.1997	2415.2056	0.0059	2	2	24	TSALTRSFSVESSELSSA AISER			Mascot
	2415.1997	2415.2056	0.0059	2	2	24	TSALTRSFSVESSELSSA AISER			Mascot
37	hypothetical protein LOC100191015 [Danio rerio]				gi 209863095	44412.9	9.4	8	31	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.5373	996.6024	0.0651	65	282	288	QRIFNYR					Mascot
996.5373	996.6024	0.0651	65	282	288	QRIFNYR					Mascot
1023.5118	1023.458	-0.0538	-53	34	41	HQLGEFHR					Mascot
1287.6764	1287.676	-0.0004	0	362	373	VGSNNATREAIR					Mascot
1475.6802	1475.7621	0.0819	55	176	188	APDNSGSLFYNYK					Mascot
1493.8335	1493.7378	-0.0957	-64	22	33	RSVWVHEILQAR					Mascot
1993.9834	1993.9789	-0.0045	-2	309	326	MYRGAIEISPANVDACVK			Carbamidomethyl (C)[16]		Mascot
2211.1743	2211.1184	-0.0559	-25	294	311	LIVENTFGILTAQWRMYR					Mascot
2398.1714	2398.1816	0.0102	4	374	394	VRETFTSYFSTEGAVPW QPVP					Mascot

38 novel NACHT domain containing protein [Danio rerio] gi|148726000 74983.9 6.01 10 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4791	882.574	0.0949	108	587	593	EIQSHLR					Mascot

	1045.5272	1045.5695	0.0423	40	537	545	GLLTQQDDR						Mascot
	1062.5803	1062.699	0.1187	112	382	389	FQIQQSRR						Mascot
	1244.6593	1244.7266	0.0673	54	558	568	QKLEGNLSAER						Mascot
	1349.673	1349.7142	0.0412	31	492	502	NRDESMIDLLK			Oxidation (M)[6]			Mascot
	1392.7191	1392.7539	0.0348	25	226	237	VLFIELDGLDECR						Mascot
	1410.7198	1410.7828	0.063	45	371	381	TLTQMYTHFLR						Mascot
	1410.7198	1410.7828	0.063	45	371	381	TLTQMYTHFLR						Mascot
	2144.0981	2144.1206	0.0225	10	503	521	TAVDKALESENGHLDLYL R						Mascot
	2211.2092	2211.1184	-0.0908	-41	33	51	SIITEAALDLTLFFLREMK						Mascot
	2298.1812	2298.2004	0.0192	8	371	388	TLTQMYTHFLRFQIQQSR						Mascot
39	ubiquitin-like protein 4A [Danio rerio]				gi 41053523		17309	5.95	5	30	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.522	996.6024	0.0804	81	47	55	GKALADEHR					Mascot
996.522	996.6024	0.0804	81	47	55	GKALADEHR					Mascot
1179.5892	1179.6073	0.0181	15	56	66	LSDYSIGPEAK					Mascot
1349.6001	1349.7142	0.1141	85	12	22	ECNVQVTENEK			Carbamidomethyl (C)[2]		Mascot
2384.2932	2383.9722	-0.321	-135	56	77	LSDYSIGPEAKLNLVVRP AGER					Mascot
2501.3101	2501.2566	-0.0535	-21	1	22	MILTVKPLQGKECNVQVT ENEK					Mascot

40 Sh3bp4a protein [Danio rerio] gi|66910395 76175.4 8.42 11 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5822	842.5182	-0.064	-76	663	669	LIKTVIR					Mascot
850.4338	850.5499	0.1161	137	387	393	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.5475	0.0749	86	1	7	MAHRIR			Oxidation (M)[1]		Mascot
1023.5655	1023.458	-0.1075	-105	654	662	CITNLKFGK					Mascot
1623.7723	1623.8529	0.0806	50	66	79	DYCPSSFTTLKFSK					Mascot
1671.806	1671.8976	0.0916	55	461	474	HVSFSSNVWNHMK					Mascot
1840.8237	1840.9467	0.123	67	408	423	TESPMAEIVCVRSCK			Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot
2008.0024	2007.9091	-0.0933	-46	402	419	VSMVTRTESPMAEIVCVR					Mascot
2008.0024	2007.9091	-0.0933	-46	402	419	VSMVTRTESPMAEIVCVR					Mascot
2284.2368	2284.1853	-0.0515	-23	492	513	TVVAIFGHDCAPKLLVS EVGK					Mascot

	2300.0686	2300.1904	0.1218	53	597	616	DDQDCILAQFCVQTPQP PPK					Carbamidomethyl (C)[5]	Mascot
	3337.6052	3337.7576	0.1524	46	298	327	LARSCHDLESLGQNPBW GQTQPVETNIVCK					Carbamidomethyl (C)[5]	Mascot
41	choline transporter-like protein 2 [Danio rerio]				gi 38564419		79124.8	8.66	10	30	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4573	864.5258	0.0685	79	525	532	GAENKFAK					Mascot
1023.4485	1023.458	0.0095	9	1	8	MDMEEKPK			Oxidation (M)[1]		Mascot
1320.6001	1320.5892	-0.0109	-8	389	399	VFNETECVHSR					Mascot
1393.6603	1393.755	0.0947	68	478	490	DMPAFPLCASLGR			Oxidation (M)[2]		Mascot
1393.6603	1393.755	0.0947	68	478	490	DMPAFPLCASLGR			Oxidation (M)[2]		Mascot
1707.8887	1707.7819	-0.1068	-63	152	166	LCPAYLVSSNPFLQR					Mascot
1790.9041	1790.9036	-0.0005	0	478	493	DMPAFPLCASLGRSLR			Carbamidomethyl (C)[8]		Mascot
1851.9172	1851.9381	0.0209	11	76	89	LEKQPFLFYFNMMK			Oxidation (M)[12]		Mascot
1858.8826	1858.8837	0.0011	1	59	75	KVIYPTDSMGQFCGQGK					Mascot
2501.0649	2501.2566	0.1917	77	414	434	SDCPHSQCLFAFYGGET PYHK			Carbamidomethyl (C)[3,8]		Mascot
3730.0005	3729.9419	-0.0586	-16	249	281	FLAGVMVWVWMLMVVAVI AYGIAHCSIKYVSLK			Carbamidomethyl (C)[25], Oxidation (M)[6,10,13]		Mascot

42	novel protein [Danio rerio]				gi 148725934		20790.5	5.31	6	29	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.3937	842.5182	0.1245	148	18	24	HINCAER					Mascot
864.4131	864.5258	0.1127	130	2	8	EEVSCLK			Carbamidomethyl (C)[5]		Mascot
960.5472	960.4806	-0.0666	-69	45	52	IRQEISSK					Mascot
1051.6007	1051.7194	0.1187	113	161	168	HQELQRLK					Mascot
1179.6112	1179.6073	-0.0039	-3	1	10	MEEVSCLKLK					Mascot
2415.1755	2415.2056	0.0301	12	25	44	QHKAESVNVNLISELQEQM CR			Carbamidomethyl (C)[19], Oxidation (M)[18]		Mascot
2415.1755	2415.2056	0.0301	12	25	44	QHKAESVNVNLISELQEQM CR			Carbamidomethyl (C)[19], Oxidation (M)[18]		Mascot

43	PREDICTED: hypothetical protein LOC100535042 [Danio rerio]				gi 326678194		27705.3	6.97	6	29	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	864.4607	864.5258	0.0651	75	102	108	EVSVKMR					Oxidation (M)[6]	Mascot
	1320.7006	1320.5892	-0.1114	-84	109	121	NSVTLSSGVSELK						Mascot
	1392.7006	1392.7539	0.0533	38	130	142	FGDGLTIAEINK						Mascot
	1623.837	1623.8529	0.0159	10	107	121	MRNSVTLSSGVSELK					Oxidation (M)[1]	Mascot
	1701.8707	1701.9159	0.0452	27	174	188	AEHAGVYERWSLVGK						Mascot
	1701.8707	1701.9159	0.0452	27	174	188	AEHAGVYERWSLVGK						Mascot
	2007.9779	2007.9091	-0.0688	-34	191	209	FFLTGVSVHCCGPTEAAI R						Mascot
	2007.9779	2007.9091	-0.0688	-34	191	209	FFLTGVSVHCCGPTEAAI R						Mascot
44	lectin, mannose-binding 2 [Danio rerio]				gi 215983104		40223.1	6.7	7	29	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4375	842.5182	0.0807	96	20	26	KMPVCHK					Mascot
1535.7482	1535.7115	-0.0367	-24	194	207	STELGGCSVEVRNK			Carbamidomethyl (C)[7]		Mascot
1707.7894	1707.7819	-0.0075	-4	222	235	LTIMVDVDDQNDWK			Oxidation (M)[4]		Mascot
1840.8435	1840.9467	0.1032	56	124	138	NLHGDGFAMWYTKER			Oxidation (M)[9]		Mascot
2211.054	2211.1184	0.0644	29	171	190	SFPYISAMVNNGLPYEH GK					Mascot
2415.0479	2415.2056	0.1577	65	271	289	MYQLMVEHTLEEDSQD WTK			Oxidation (M)[1,5]		Mascot
2415.0479	2415.2056	0.1577	65	271	289	MYQLMVEHTLEEDSQD WTK			Oxidation (M)[1,5]		Mascot
3729.7522	3729.9419	0.1897	51	236	270	ECVDIGGVRLPTGYFGA SAATGDLSDNHDIISMK			Carbamidomethyl (C)[2]		Mascot

45	novel protein (zgc:77721) [Danio rerio]				gi 94733612		52714.6	9	1	29	69.042		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1085.5837	1085.6276	0.0439	40	18	26	ELTPEILDR	29	69.042		4	Mascot

46	PREDICTED: transcription factor EB [Danio rerio]				gi 125829340		55373.3	6.18	1	19	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1701.884	1701.9159	0.0319	19	267	281	ELGTMIPKTNLDLVR	19	0		2	Mascot

47	PREDICTED: TBC1 domain family member 2B [Danio rerio]				gi 326680312		109264.9	5.83	1	17	0		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification		Rank	Result Type
	1085.6565	1085.6276	-0.0289	-27	488	496 EIIELTVLR		19	0			6	Mascot

48 PREDICTED: tricarboxylate transport protein, mitochondrial [Danio rerio] gi|326669808 37300 9.25 1 16 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification		Rank	Result Type
	1085.6426	1085.6276	-0.015	-14	195	203 EIIRTQGIR		16	0			7	Mascot

49 PREDICTED: zinc finger protein 595-like [Danio rerio] gi|326668051 59316.6 9.8 1 15 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification		Rank	Result Type
	1085.6062	1085.6276	0.0214	20	467	475 ARQVLDIR		15	0			8	Mascot

50 solute carrier family 25, member 1 [Danio rerio] gi|41055086 39386.5 9.66 1 14 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification		Rank	Result Type
	1085.6062	1085.6276	0.0214	20	218	226 EIIRDQGV		14	0			9	Mascot

Gel Idx/Pos	245/J21	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Vtg1 protein [Danio rerio]	gi 63100501	36409.1	9.23	9	383	100	341	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification		Rank	Result Type
	826.4457	826.4445	-0.0012	-1	198	204 QYAVFAK							Mascot
	960.4785	960.4761	-0.0024	-2	218	224 LEVEWER							Mascot
	960.4785	960.4761	-0.0024	-2	218	224 LEVEWER		48	99.529				Mascot
	1077.58	1077.5089	-0.0711	-66	21	30 SAARFSSVPR							Mascot
	1118.682	1118.6503	-0.0317	-28	225	234 LPIIVTTYAK							Mascot
	1287.6691	1287.6692	0.0001	0	205	217 AEAGVLGEFPAAR		101	100				Mascot

1287.6691	1287.6692	0.0001	0	205	217	AEAGVLGEFPAAR											Mascot
1327.7216	1327.7382	0.0166	13	260	271	EIELTAALPSQR											Mascot
1364.6957	1364.6943	-0.0014	-1	239	250	HILTAAYDTGFR	83	100									Mascot
1364.6957	1364.6943	-0.0014	-1	239	250	HILTAAYDTGFR											Mascot
1826.9799	1826.9792	-0.0007	0	143	158	LLGYQLAAYFDKPTAR											Mascot
1826.9799	1826.9792	-0.0007	0	143	158	LLGYQLAAYFDKPTAR	111	100									Mascot
1958.0189	1958.0155	-0.0034	-2	254	271	ATNSEKEIELTAALPSQR											Mascot

2 vitellogenin 1 [Danio rerio] gi|94733730 149140.4 8.74 16 380 100 342 100

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
826.4457	826.4445	-0.0012	-1	1238	1244	QYAVFAK						Mascot
960.4785	960.4761	-0.0024	-2	1258	1264	LEVEWER						Mascot
960.4785	960.4761	-0.0024	-2	1258	1264	LEVEWER	48	99.529				Mascot
983.5995	983.5398	-0.0597	-61	878	887	TIAPGKVAAR						Mascot
983.5995	983.5398	-0.0597	-61	878	887	TIAPGKVAAR						Mascot
1088.5405	1088.5459	0.0054	5	415	424	MTASLATHEK						Mascot
1118.682	1118.6503	-0.0317	-28	1265	1274	LPIIVTTYAK						Mascot
1257.6031	1257.6921	0.089	71	828	837	LESMTYEQLK				Oxidation (M)[4]		Mascot
1287.6691	1287.6692	0.0001	0	1245	1257	AEAGVLGEFPAAR	101	100				Mascot
1287.6691	1287.6692	0.0001	0	1245	1257	AEAGVLGEFPAAR						Mascot
1327.7216	1327.7382	0.0166	13	1300	1311	EIELTAALPSQR						Mascot
1364.6957	1364.6943	-0.0014	-1	1279	1290	HILTAAYDTGFR	83	100				Mascot
1364.6957	1364.6943	-0.0014	-1	1279	1290	HILTAAYDTGFR						Mascot
1382.7889	1382.7772	-0.0117	-8	303	315	ISDAPAQIVEVLK						Mascot
1715.8997	1715.9199	0.0202	12	597	614	ITAPDMASVAGAANVAIK				Oxidation (M)[6]		Mascot
1826.9799	1826.9792	-0.0007	0	1183	1198	LLGYQLAAYFDKPTAR						Mascot
1826.9799	1826.9792	-0.0007	0	1183	1198	LLGYQLAAYFDKPTAR	111	100				Mascot
1958.0189	1958.0155	-0.0034	-2	1294	1311	ATNSEKEIELTAALPSQR						Mascot
2041.943	2042.0739	0.1309	64	146	163	KTQNIYEMQEAGAQGVCR				Oxidation (M)[8]		Mascot
2249.2725	2249.0615	-0.211	-94	425	445	FATIPALREVVMLGYGSLIAK						Mascot
2531.4231	2531.248	-0.1751	-69	95	118	LTSALAAQLQIPIKFEYANGVVGK						Mascot

3 vitellogenin 1 [Danio rerio] gi|166795887 149452.5 8.68 16 379 100 342 100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. % Modification				Rank	Result Type
	826.4457	826.4445	-0.0012	-1	1238	1244 QYAVFAK								Mascot
	960.4785	960.4761	-0.0024	-2	1258	1264 LEVEWER								Mascot
	960.4785	960.4761	-0.0024	-2	1258	1264 LEVEWER		48	99.529					Mascot
	983.5995	983.5398	-0.0597	-61	878	887 TIAPGKVAAR								Mascot
	983.5995	983.5398	-0.0597	-61	878	887 TIAPGKVAAR								Mascot
	1088.5405	1088.5459	0.0054	5	415	424 MTASLATHEK								Mascot
	1118.682	1118.6503	-0.0317	-28	1265	1274 LPIIVTTYAK								Mascot
	1257.6031	1257.6921	0.089	71	828	837 LESMTYEQLK				Oxidation (M)[4]				Mascot
	1287.6691	1287.6692	0.0001	0	1245	1257 AEAGVLGEFPAAR		101	100					Mascot
	1287.6691	1287.6692	0.0001	0	1245	1257 AEAGVLGEFPAAR								Mascot
	1327.7216	1327.7382	0.0166	13	1300	1311 EIELTAALPSQR								Mascot
	1364.6957	1364.6943	-0.0014	-1	1279	1290 HILTAAYDTGFR		83	100					Mascot
	1364.6957	1364.6943	-0.0014	-1	1279	1290 HILTAAYDTGFR								Mascot
	1382.7889	1382.7772	-0.0117	-8	303	315 ISDAPAQIVEVLK								Mascot
	1638.8485	1638.9172	0.0687	42	668	683 TYLAGAAADVVEFGVR								Mascot
	1826.9799	1826.9792	-0.0007	0	1183	1198 LLGYQLAAYFDKPTAR								Mascot
	1826.9799	1826.9792	-0.0007	0	1183	1198 LLGYQLAAYFDKPTAR		111	100					Mascot
	1958.0189	1958.0155	-0.0034	-2	1294	1311 ATNSEKEIELTAALPSQR								Mascot
	2041.943	2042.0739	0.1309	64	146	163 KTQNIYEMQEAGAQQGVC R				Oxidation (M)[8]				Mascot
	2233.2009	2233.0791	-0.1218	-55	593	614 SLTRITAPDMAYVAGAAN VAIK								Mascot
	2249.1958	2249.0615	-0.1343	-60	593	614 SLTRITAPDMAYVAGAAN VAIK				Oxidation (M)[10]				Mascot
	2531.4231	2531.248	-0.1751	-69	95	118 LTSALAAQLQIPIKFEYAN GVVGK								Mascot
4	Vtg1 protein [Danio rerio]				gi 145337918	116565.5	9.07	14	379	100	342	100		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	826.4457	826.4445	-0.0012	-1	944	950 QYAVFAK					Mascot
	960.4785	960.4761	-0.0024	-2	964	970 LEVEWER					Mascot
	960.4785	960.4761	-0.0024	-2	964	970 LEVEWER	48	99.529			Mascot
	983.5995	983.5398	-0.0597	-61	584	593 TIAPGKVAAR					Mascot
	983.5995	983.5398	-0.0597	-61	584	593 TIAPGKVAAR					Mascot
	1088.5405	1088.5459	0.0054	5	121	130 MTASLATHEK					Mascot
	1118.682	1118.6503	-0.0317	-28	971	980 LPIIVTTYAK					Mascot

6 vitellogenin 7 [Danio rerio] gi|57864789 24318.7 8.37 5 284 100 260 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4445	-0.0012	-1	93	99 QYAVFAK					Mascot
960.4785	960.4761	-0.0024	-2	113	119 LEVEWER					Mascot
960.4785	960.4761	-0.0024	-2	113	119 LEVEWER	48	99.529			Mascot
1118.6238	1118.6503	0.0265	24	68	78 KICADGALLSK					Mascot
1287.6691	1287.6692	0.0001	0	100	112 AEAGVLGEFPAAR	101	100			Mascot
1287.6691	1287.6692	0.0001	0	100	112 AEAGVLGEFPAAR					Mascot
1826.9799	1826.9792	-0.0007	0	38	53 LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9792	-0.0007	0	38	53 LLGYQLAAYFDKPTAR	111	100			Mascot

7 vitellogenin 7 [Danio rerio] gi|156713467 148739.2 8.76 9 265 100 260 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4445	-0.0012	-1	1234	1240 QYAVFAK					Mascot
960.4785	960.4761	-0.0024	-2	1254	1260 LEVEWER					Mascot
960.4785	960.4761	-0.0024	-2	1254	1260 LEVEWER	48	99.529			Mascot
983.5995	983.5398	-0.0597	-61	878	887 TIAPGKVAAR					Mascot
983.5995	983.5398	-0.0597	-61	878	887 TIAPGKVAAR					Mascot
1118.6238	1118.6503	0.0265	24	1209	1219 KICADGALLSK					Mascot
1287.6691	1287.6692	0.0001	0	1241	1253 AEAGVLGEFPAAR	101	100			Mascot
1287.6691	1287.6692	0.0001	0	1241	1253 AEAGVLGEFPAAR					Mascot
1715.8997	1715.9199	0.0202	12	597	614 ITAPDMASVAGAANVAIK			Oxidation (M)[6]		Mascot
1826.9799	1826.9792	-0.0007	0	1179	1194 LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9792	-0.0007	0	1179	1194 LLGYQLAAYFDKPTAR	111	100			Mascot
2230.1682	2230.1951	0.0269	12	597	618 ITAPDMASVAGAANVAIK LMNR			Oxidation (M)[6]		Mascot
2531.4231	2531.248	-0.1751	-69	95	118 LTSALAAQLQIPIKFEYAN GVVGK					Mascot

8 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94732723 147084.2 8.73 9 263 100 260 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4445	-0.0012	-1	1219	1225 QYAVFAK					Mascot

960.4785	960.4761	-0.0024	-2	1239	1245	LEVEWER									Mascot
960.4785	960.4761	-0.0024	-2	1239	1245	LEVEWER	48	99.529							Mascot
983.5995	983.5398	-0.0597	-61	878	887	TIAPGKVAAR									Mascot
983.5995	983.5398	-0.0597	-61	878	887	TIAPGKVAAR									Mascot
1118.6238	1118.6503	0.0265	24	1194	1204	KICADGALLSK									Mascot
1287.6691	1287.6692	0.0001	0	1226	1238	AEAGVLGEFPAAR	101	100							Mascot
1287.6691	1287.6692	0.0001	0	1226	1238	AEAGVLGEFPAAR									Mascot
1715.8997	1715.9199	0.0202	12	597	614	ITAPDMASVAGAANVAIK						Oxidation (M)[6]			Mascot
1826.9799	1826.9792	-0.0007	0	1164	1179	LLGYQLAAYFDKPTAR									Mascot
1826.9799	1826.9792	-0.0007	0	1164	1179	LLGYQLAAYFDKPTAR	111	100							Mascot
2230.1682	2230.1951	0.0269	12	597	618	ITAPDMASVAGAANVAIK LMNR						Oxidation (M)[6]			Mascot
2531.4231	2531.248	-0.1751	-69	95	118	LTSALAAQLQIPIKFEYAN GVVGK									Mascot

9
Zgc:136383 [Danio rerio]
gi|92097636
28809.9
9.33
7
188
100
159
100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result	Type
826.4457	826.4445	-0.0012	-1	136	142 QYAVFAK						Mascot
960.4785	960.4761	-0.0024	-2	156	162 LEVEWER						Mascot
960.4785	960.4761	-0.0024	-2	156	162 LEVEWER	48	99.529				Mascot
1045.5465	1045.5605	0.014	13	246	253 DFLSWIHK						Mascot
1118.5986	1118.6503	0.0517	46	217	225 IPEITMSRR			Oxidation (M)[6]			Mascot
1326.6511	1326.7534	0.1023	77	124	135 VTAKFSWGAECK						Mascot
1715.9473	1715.9199	-0.0274	-16	210	224 SLNVIARIPETMSR			Oxidation (M)[13]			Mascot
1826.9799	1826.9792	-0.0007	0	81	96 LLGYQLAAYFDKPTAR						Mascot
1826.9799	1826.9792	-0.0007	0	81	96 LLGYQLAAYFDKPTAR	111	100				Mascot

10
vitellogenin 6 [Danio rerio]
gi|303227889
150936.1
8.84
14
186
100
159
100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result	Type
826.4457	826.4445	-0.0012	-1	1256	1262 QYAVFAK						Mascot
864.4461	864.499	0.0529	61	98	105 DSFVPATK						Mascot
960.4785	960.4761	-0.0024	-2	1276	1282 LEVEWER						Mascot
960.4785	960.4761	-0.0024	-2	1276	1282 LEVEWER	48	99.529				Mascot
983.5995	983.5398	-0.0597	-61	889	898 TIAPGKVAAR						Mascot
983.5995	983.5398	-0.0597	-61	889	898 TIAPGKVAAR						Mascot

1015.5781	1015.5256	-0.0525	-52	695	704	TGGINEALLK											Mascot
1257.6031	1257.6921	0.089	71	839	848	LESMTYEQLK							Oxidation (M)[4]				Mascot
1326.6511	1326.7534	0.1023	77	1244	1255	VTAKFSWGAECK											Mascot
1327.7216	1327.7382	0.0166	13	1318	1329	EIELTAALPSQR											Mascot
1638.8485	1638.9172	0.0687	42	679	694	TYLAGAAADVVEFGVR											Mascot
1715.7727	1715.9199	0.1472	86	206	220	DVGLAYTERCAECTK							Carbamidomethyl (C)[10]				Mascot
1826.9799	1826.9792	-0.0007	0	1201	1216	LLGYQLAAYFDKPTAR											Mascot
1826.9799	1826.9792	-0.0007	0	1201	1216	LLGYQLAAYFDKPTAR	111	100									Mascot
1958.0189	1958.0155	-0.0034	-2	1312	1329	ATNSEKEIELTAALPSQR											Mascot
2233.2009	2233.0791	-0.1218	-55	604	625	SLTRITAPDMAYVAGAAN VAIK											Mascot
2249.1958	2249.0615	-0.1343	-60	604	625	SLTRITAPDMAYVAGAAN VAIK							Oxidation (M)[10]				Mascot
2531.4231	2531.248	-0.1751	-69	106	129	LTSALAAQLQIPIKFEYAN GVVGK											Mascot
11	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733734 149808.5 8.83 14 184 100 159 100																

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4445	-0.0012	-1	1245	1251	QYAVFAK					Mascot
864.4461	864.499	0.0529	61	91	98	DSFVPATK					Mascot
960.4785	960.4761	-0.0024	-2	1265	1271	LEVEWER					Mascot
960.4785	960.4761	-0.0024	-2	1265	1271	LEVEWER	48	99.529			Mascot
983.5995	983.5398	-0.0597	-61	882	891	TIAPGKVAAR					Mascot
983.5995	983.5398	-0.0597	-61	882	891	TIAPGKVAAR					Mascot
1015.5781	1015.5256	-0.0525	-52	688	697	TGGINEALLK					Mascot
1257.6031	1257.6921	0.089	71	832	841	LESMTYEQLK			Oxidation (M)[4]		Mascot
1326.6511	1326.7534	0.1023	77	1233	1244	VTAKFSWGAECK					Mascot
1327.7216	1327.7382	0.0166	13	1307	1318	EIELTAALPSQR					Mascot
1638.8485	1638.9172	0.0687	42	672	687	TYLAGAAADVVEFGVR					Mascot
1715.7727	1715.9199	0.1472	86	199	213	DVGLAYTERCAECTK			Carbamidomethyl (C)[10]		Mascot
1826.9799	1826.9792	-0.0007	0	1190	1205	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9792	-0.0007	0	1190	1205	LLGYQLAAYFDKPTAR	111	100			Mascot
1958.0189	1958.0155	-0.0034	-2	1301	1318	ATNSEKEIELTAALPSQR					Mascot
2233.2009	2233.0791	-0.1218	-55	597	618	SLTRITAPDMAYVAGAAN VAIK					Mascot
2249.1958	2249.0615	-0.1343	-60	597	618	SLTRITAPDMAYVAGAAN VAIK			Oxidation (M)[10]		Mascot
2531.4231	2531.248	-0.1751	-69	99	122	LTSALAAQLQIPIKFEYAN GVVGK					Mascot

12

vitellogenin 6 [Danio rerio]

gi|57864787

38968.8

8.92

6

179

100

159

100

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank Result Type
826.4457	826.4445	-0.0012	-1	235	241 QYAVFAK				Mascot
960.4785	960.4761	-0.0024	-2	255	261 LEVEWER				Mascot
960.4785	960.4761	-0.0024	-2	255	261 LEVEWER	48	99.529		Mascot
1326.6511	1326.7534	0.1023	77	223	234 VTAKFSWGAECK				Mascot
1327.7216	1327.7382	0.0166	13	297	308 EIELTAALPSQR				Mascot
1826.9799	1826.9792	-0.0007	0	180	195 LLGYQLAAYFDKPTAR				Mascot
1826.9799	1826.9792	-0.0007	0	180	195 LLGYQLAAYFDKPTAR	111	100		Mascot
1958.0189	1958.0155	-0.0034	-2	291	308 ATNSEKEIELTAALPSQR				Mascot

13

vitellogenin 5 [Danio rerio]

gi|68448530

148868

8.77

12

178

100

159

100

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank Result Type
826.4457	826.4445	-0.0012	-1	1238	1244 QYAVFAK				Mascot
960.4785	960.4761	-0.0024	-2	1258	1264 LEVEWER				Mascot
960.4785	960.4761	-0.0024	-2	1258	1264 LEVEWER	48	99.529		Mascot
983.5995	983.5398	-0.0597	-61	878	887 TIAPGKVAAR				Mascot
983.5995	983.5398	-0.0597	-61	878	887 TIAPGKVAAR				Mascot
1015.5781	1015.5256	-0.0525	-52	684	693 TGGINEALLK				Mascot
1257.6031	1257.6921	0.089	71	828	837 LESMTYEQLK			Oxidation (M)[4]	Mascot
1326.7124	1326.7534	0.041	31	1009	1021 AAISRAEGPAVER				Mascot
1715.8997	1715.9199	0.0202	12	597	614 ITAPDMASVAGAANVAIK			Oxidation (M)[6]	Mascot
1826.9799	1826.9792	-0.0007	0	1183	1198 LLGYQLAAYFDKPTAR				Mascot
1826.9799	1826.9792	-0.0007	0	1183	1198 LLGYQLAAYFDKPTAR	111	100		Mascot
1840.8938	1840.9486	0.0548	30	72	86 LMDPLLYEYAGTWPR			Oxidation (M)[2]	Mascot
2041.943	2042.0739	0.1309	64	146	163 KTQNIYEMQEAGAQQGVC R			Oxidation (M)[8]	Mascot
2362.1926	2362.1865	-0.0061	-3	597	619 ITAPDMASVAGAANVAIK LMNCK			Carbamidomethyl (C)[22], Oxidation (M)[6]	Mascot
2531.4231	2531.248	-0.1751	-69	95	118 LTSALAAQLQIPIKFEYAN GVVGK				Mascot

14

vitellogenin 4 [Danio rerio]

gi|57864783

31189.9

9.48

6

178

100

159

100

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End Sequence	Ion	C. I.	% Modification	Rank Result Type

				Seq.	Seq.	Score					
	826.4457	826.4445	-0.0012	-1	162	168	QYAVFAK				Mascot
	960.4785	960.4761	-0.0024	-2	182	188	LEVEWER				Mascot
	960.4785	960.4761	-0.0024	-2	182	188	LEVEWER	48	99.529		Mascot
	1118.5986	1118.6503	0.0517	46	243	251	IPEITMSRR			Oxidation (M)[6]	Mascot
	1326.6511	1326.7534	0.1023	77	150	161	VTAKFSWGAECK				Mascot
	1715.9473	1715.9199	-0.0274	-16	236	250	SLNVIARIPEITMSR			Oxidation (M)[13]	Mascot
	1826.9799	1826.9792	-0.0007	0	107	122	LLGYQLAAYFDKPTAR				Mascot
	1826.9799	1826.9792	-0.0007	0	107	122	LLGYQLAAYFDKPTAR	111	100		Mascot

15 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733731 149169.2 8.84 12 177 100 159 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4445	-0.0012	-1	1240	1246	QYAVFAK					Mascot
960.4785	960.4761	-0.0024	-2	1260	1266	LEVEWER					Mascot
960.4785	960.4761	-0.0024	-2	1260	1266	LEVEWER	48	99.529			Mascot
983.5995	983.5398	-0.0597	-61	882	891	TIAPGKVAAR					Mascot
983.5995	983.5398	-0.0597	-61	882	891	TIAPGKVAAR					Mascot
1015.5781	1015.5256	-0.0525	-52	688	697	TGGINEALLK					Mascot
1257.6031	1257.6921	0.089	71	832	841	LESMTYEQLK			Oxidation (M)[4]		Mascot
1326.7124	1326.7534	0.041	31	1013	1025	AAISRAEGPAVER					Mascot
1715.8997	1715.9199	0.0202	12	601	618	ITAPDMASVAGAANVAIK			Oxidation (M)[6]		Mascot
1826.9799	1826.9792	-0.0007	0	1185	1200	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9792	-0.0007	0	1185	1200	LLGYQLAAYFDKPTAR	111	100			Mascot
1840.8938	1840.9486	0.0548	30	76	90	LMDPLLYEYAGTWPR			Oxidation (M)[2]		Mascot
2041.943	2042.0739	0.1309	64	150	167	KTQNIYEMQEAGAQQGVC R			Oxidation (M)[8]		Mascot
2362.1926	2362.1865	-0.0061	-3	601	623	ITAPDMASVAGAANVAIK LMNCK			Carbamidomethyl (C)[22], Oxidation (M)[6]		Mascot
2531.4231	2531.248	-0.1751	-69	99	122	LTSALAAQLQIPIKFEYAN GVVGK					Mascot

16 Zgc:136383 protein [Danio rerio] gi|125857991 148644.2 8.93 13 176 100 159 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4445	-0.0012	-1	1235	1241	QYAVFAK					Mascot
864.4461	864.499	0.0529	61	86	93	DSFVPATK					Mascot

	960.4785	960.4761	-0.0024	-2	1255	1261	LEVEWER										Mascot
	960.4785	960.4761	-0.0024	-2	1255	1261	LEVEWER	48	99.529								Mascot
	983.5995	983.5398	-0.0597	-61	877	886	TIAPGKVAAR										Mascot
	983.5995	983.5398	-0.0597	-61	877	886	TIAPGKVAAR										Mascot
	1045.5465	1045.5605	0.014	13	1345	1352	DFLSWIHK										Mascot
	1118.5986	1118.6503	0.0517	46	1316	1324	IPEITMSRR						Oxidation (M)[6]				Mascot
	1257.6031	1257.6921	0.089	71	827	836	LESMTYEQLK						Oxidation (M)[4]				Mascot
	1326.6511	1326.7534	0.1023	77	1223	1234	VTAKFSWGAECK										Mascot
	1382.7889	1382.7772	-0.0117	-8	302	314	ISDAPAQIVEVLK										Mascot
	1715.9473	1715.9199	-0.0274	-16	1309	1323	SLNVIARPEITMSR						Oxidation (M)[13]				Mascot
	1826.9799	1826.9792	-0.0007	0	1180	1195	LLGYQLAAYFDKPTAR										Mascot
	1826.9799	1826.9792	-0.0007	0	1180	1195	LLGYQLAAYFDKPTAR	111	100								Mascot
	2233.2009	2233.0791	-0.1218	-55	592	613	SLTRITAPDMAYVAGAAN VAIK										Mascot
	2249.1958	2249.0615	-0.1343	-60	592	613	SLTRITAPDMAYVAGAAN VAIK						Oxidation (M)[10]				Mascot
	2531.4231	2531.248	-0.1751	-69	94	117	LTSALAAQLQIPIKFEYAN GVVGK										Mascot
17	Zgc:136383 protein [Danio rerio]				gi 159155252		123957.1	8.78	11	176	100	159	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4445	-0.0012	-1	1013	1019	QYAVFAK					Mascot
960.4785	960.4761	-0.0024	-2	1033	1039	LEVEWER					Mascot
960.4785	960.4761	-0.0024	-2	1033	1039	LEVEWER	48	99.529			Mascot
983.5995	983.5398	-0.0597	-61	655	664	TIAPGKVAAR					Mascot
983.5995	983.5398	-0.0597	-61	655	664	TIAPGKVAAR					Mascot
1045.5465	1045.5605	0.014	13	1123	1130	DFLSWIHK					Mascot
1118.5986	1118.6503	0.0517	46	1094	1102	IPEITMSRR			Oxidation (M)[6]		Mascot
1257.6031	1257.6921	0.089	71	605	614	LESMTYEQLK			Oxidation (M)[4]		Mascot
1326.6511	1326.7534	0.1023	77	1001	1012	VTAKFSWGAECK					Mascot
1382.7889	1382.7772	-0.0117	-8	80	92	ISDAPAQIVEVLK					Mascot
1715.9473	1715.9199	-0.0274	-16	1087	1101	SLNVIARPEITMSR			Oxidation (M)[13]		Mascot
1826.9799	1826.9792	-0.0007	0	958	973	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9792	-0.0007	0	958	973	LLGYQLAAYFDKPTAR	111	100			Mascot
2233.2009	2233.0791	-0.1218	-55	370	391	SLTRITAPDMAYVAGAAN VAIK					Mascot
2249.1958	2249.0615	-0.1343	-60	370	391	SLTRITAPDMAYVAGAAN VAIK			Oxidation (M)[10]		Mascot

18 hypothetical protein LOC678536 [Danio rerio] gi|160420306 148750.2 8.89 13 175 100 159 100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
826.4457	826.4445	-0.0012	-1	1236	1242	QYAVFAK				Mascot
864.4461	864.499	0.0529	61	87	94	DSFVPATK				Mascot
960.4785	960.4761	-0.0024	-2	1256	1262	LEVEWER				Mascot
960.4785	960.4761	-0.0024	-2	1256	1262	LEVEWER	48	99.529		Mascot
983.5995	983.5398	-0.0597	-61	878	887	TIAPGKVAAR				Mascot
983.5995	983.5398	-0.0597	-61	878	887	TIAPGKVAAR				Mascot
1045.5465	1045.5605	0.014	13	1346	1353	DFLSWIHK				Mascot
1118.5986	1118.6503	0.0517	46	1317	1325	IPEITMSRR			Oxidation (M)[6]	Mascot
1257.6031	1257.6921	0.089	71	828	837	LESMTYEQLK			Oxidation (M)[4]	Mascot
1326.6511	1326.7534	0.1023	77	1224	1235	VTAKFSWGAECK				Mascot
1382.7889	1382.7772	-0.0117	-8	303	315	ISDAPAQIVEVLK				Mascot
1715.9473	1715.9199	-0.0274	-16	1310	1324	SLNVIARPEITMSR			Oxidation (M)[13]	Mascot
1826.9799	1826.9792	-0.0007	0	1181	1196	LLGYQLAAYFDKPTAR				Mascot
1826.9799	1826.9792	-0.0007	0	1181	1196	LLGYQLAAYFDKPTAR	111	100		Mascot
2233.2009	2233.0791	-0.1218	-55	593	614	SLTRITAPDMAYVAGAAN VAIK				Mascot
2249.1958	2249.0615	-0.1343	-60	593	614	SLTRITAPDMAYVAGAAN VAIK			Oxidation (M)[10]	Mascot
2531.4231	2531.248	-0.1751	-69	95	118	LTSALAAQLQIPIKFEYAN GVVGK				Mascot

19 vitellogenin 5 [Danio rerio] gi|57864785 72820.8 9 6 170 100 159 100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
826.4457	826.4445	-0.0012	-1	544	550	QYAVFAK				Mascot
960.4785	960.4761	-0.0024	-2	564	570	LEVEWER				Mascot
960.4785	960.4761	-0.0024	-2	564	570	LEVEWER	48	99.529		Mascot
983.5995	983.5398	-0.0597	-61	187	196	TIAPGKVAAR				Mascot
983.5995	983.5398	-0.0597	-61	187	196	TIAPGKVAAR				Mascot
1257.6031	1257.6921	0.089	71	137	146	LESMTYEQLK			Oxidation (M)[4]	Mascot
1326.7124	1326.7534	0.041	31	318	330	AAISRAEGPAVER				Mascot
1826.9799	1826.9792	-0.0007	0	489	504	LLGYQLAAYFDKPTAR				Mascot
1826.9799	1826.9792	-0.0007	0	489	504	LLGYQLAAYFDKPTAR	111	100		Mascot

20 Vtg5 protein [Danio rerio] gi|148744685 27543.3 9.2 3 166 100 159 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
826.4457	826.4445	-0.0012	-1	124	130	QYAVFAK					Mascot	
960.4785	960.4761	-0.0024	-2	144	150	LEVEWER					Mascot	
960.4785	960.4761	-0.0024	-2	144	150	LEVEWER	48	99.529			Mascot	
1826.9799	1826.9792	-0.0007	0	69	84	LLGYQLAAYFDKPTAR					Mascot	
1826.9799	1826.9792	-0.0007	0	69	84	LLGYQLAAYFDKPTAR	111	100			Mascot	

21 mediator of RNA polymerase II transcription subunit 18 [Danio rerio] gi|41056143 23274 5.97 5 137 100 112 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1129.6112	1129.6097	-0.0015	-1	62	71	GQQGNPFILR	65	99.992			Mascot	
1129.6112	1129.6097	-0.0015	-1	62	71	GQQGNPFILR					Mascot	
1419.7743	1419.7725	-0.0018	-1	75	86	SLLDPSVPWHLR					Mascot	
1419.7743	1419.7725	-0.0018	-1	75	86	SLLDPSVPWHLR	46	99.333			Mascot	
1638.9214	1638.9172	-0.0042	-3	188	201	SFAEQLKPLVHLEK					Mascot	
2395.0806	2395.0928	0.0122	5	104	124	NCVDVAASHSLPDFLNE MGFR			Carbamidomethyl (C)[2], Oxidation (M)[18]		Mascot	
2496.1421	2496.28	0.1379	55	41	61	GLCDNMEPESFADHEL VYLLK			Carbamidomethyl (C)[3], Oxidation (M)[6]		Mascot	

22 grpE protein homolog 1, mitochondrial [Danio rerio] gi|82658254 23861.5 7.71 9 104 100 51 99.758

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1002.5214	1002.5165	-0.0049	-5	81	89	ALADTENLR					Mascot	
1085.5448	1085.5427	-0.0021	-2	101	109	LYGIQGFCK			Carbamidomethyl (C)[8]		Mascot	
1088.5782	1088.5459	-0.0323	-30	2	10	ANWCVRAIR					Mascot	
1152.7463	1152.7451	-0.0012	-1	205	215	TLRPALVG VVK					Mascot	
1152.7463	1152.7451	-0.0012	-1	205	215	TLRPALVG VVK	51	99.758			Mascot	
1257.6936	1257.6921	-0.0015	-1	110	120	DLLEVADILEK					Mascot	
1546.7959	1546.7904	-0.0055	-4	65	77	TQLEEQLKD VTDK					Mascot	
1750.9044	1750.9111	0.0067	4	139	153	NLYDGLVMTEVQIQK					Mascot	
1766.8993	1766.9076	0.0083	5	139	153	NLYDGLVMTEVQIQK			Oxidation (M)[8]		Mascot	

	1971.9235	1971.9252	0.0017	1	170	186	FDPYEHEAVFHAPVEGK										Mascot
	2697.2942	2697.3069	0.0127	5	163	186	LSPDGQKFDPYEHEAVF HAPVEGK										Mascot
23	proteasome subunit beta type-4 [Danio rerio]				gi 62955575		24030.2	5.65	8	86	99.989	33	87.199				

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	960.5723	960.4761	-0.0962	-100	2	11	VTGTSVLGVK						Mascot
	960.5723	960.4761	-0.0962	-100	2	11	VTGTSVLGVK						Mascot
	983.5421	983.5398	-0.0023	-2	83	90	AIHSWLTR	33	87.199				Mascot
	983.5421	983.5398	-0.0023	-2	83	90	AIHSWLTR						Mascot
	1382.7711	1382.7772	0.0061	4	1	13	MVTGTSVLGVKFK				Oxidation (M)[1]		Mascot
	1750.9155	1750.9111	-0.0044	-3	14	31	GGVIAADMLGSYGSLAR						Mascot
	1766.9105	1766.9076	-0.0029	-2	14	31	GGVIAADMLGSYGSLAR				Oxidation (M)[9]		Mascot
	2042.0739	2042.0739	0	0	12	31	FKGGVIAADMLGSYGSL AR				Oxidation (M)[11]		Mascot
	2192.0505	2192.0576	0.0071	3	41	60	VNNSTILGASGDYADYQY LK						Mascot
	2496.2954	2496.28	-0.0154	-6	124	147	LGVA YEAPT VATGFGAYL AQPLMR						Mascot
	2512.2903	2512.3005	0.0102	4	124	147	LGVA YEAPT VATGFGAYL AQPLMR				Oxidation (M)[23]		Mascot
	2515.2385	2515.2927	0.0542	22	61	82	QII EQMVIDEELLGDGHS YTPK						Mascot
	2531.2334	2531.248	0.0146	6	61	82	QII EQMVIDEELLGDGHS YTPK				Oxidation (M)[6]		Mascot

24	cytohesin-1 [Danio rerio]				gi 47550685		46452.5	5.48	8	69	99.465	30	70.384				
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	983.5097	983.5398	0.0301	31	149	155	QFLWSFR	31	79.898				Mascot
	983.5097	983.5398	0.0301	31	149	155	QFLWSFR						Mascot
	1015.4335	1015.5256	0.0921	91	166	173	MMEAF AQR				Oxidation (M)[1,2]		Mascot
	1094.5476	1094.5358	-0.0118	-11	112	121	TAIGDYLGER						Mascot
	1129.5848	1129.6097	0.0249	22	30	38	QELLDDIQR	7	0				Mascot
	1129.5848	1129.6097	0.0249	22	30	38	QELLDDIQR						Mascot
	1257.6797	1257.6921	0.0124	10	29	38	KQELLDDIQR						Mascot
	2249.0779	2249.0615	-0.0164	-7	41	60	DEIAEVTSEIENLGSTEER K						Mascot
	2362.1619	2362.1865	0.0246	10	39	59	LKDEIAEVTSEIENLGSTE ER						Mascot
	2512.2048	2512.3005	0.0957	38	5	26	SEDGVVPDDLTP EEQKE LENIR						Mascot

25 Cytohesin 1 [Danio rerio] gi|115313031 46509.5 5.48 8 69 99.386 30 70.384

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
983.5097	983.5398	0.0301	31	149	155	QFLWSFR	31	79.898			Mascot
983.5097	983.5398	0.0301	31	149	155	QFLWSFR					Mascot
1015.4335	1015.5256	0.0921	91	166	173	MMEFAQR			Oxidation (M)[1,2]		Mascot
1094.5476	1094.5358	-0.0118	-11	112	121	TAIGDYLGER					Mascot
1129.5848	1129.6097	0.0249	22	30	38	QELLDDIQR	7	0			Mascot
1129.5848	1129.6097	0.0249	22	30	38	QELLDDIQR					Mascot
1257.6797	1257.6921	0.0124	10	29	38	KQELLDDIQR					Mascot
2249.0779	2249.0615	-0.0164	-7	41	60	DEIAEVTSEIENLGSTEER					Mascot
2362.1619	2362.1865	0.0246	10	39	59	LKDEIAEVTSEIENLGSTEER					Mascot
2512.2048	2512.3005	0.0957	38	5	26	SEDGVVPDDLTPPEEQKELENIR					Mascot

26 Vtg6 protein [Danio rerio] gi|157422885 27937.4 9.18 5 65 98.593 48 99.529

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4445	-0.0012	-1	129	135	QYAVFAK					Mascot
960.4785	960.4761	-0.0024	-2	149	155	LEVEWER					Mascot
960.4785	960.4761	-0.0024	-2	149	155	LEVEWER	48	99.529			Mascot
1326.6511	1326.7534	0.1023	77	117	128	VTAKFSWGAECK					Mascot
1327.7216	1327.7382	0.0166	13	191	202	EIELTAALPSQR					Mascot
1958.0189	1958.0155	-0.0034	-2	185	202	ATNSEKEIELTAALPSQR					Mascot

27 novel protein similar to vertebrate proteasome (prosome, macropain) subunit, beta type, 4 (PSMB4) [gi|157886055 28400.4 6.01 6 64 98.187 33 87.199

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
983.5421	983.5398	-0.0023	-2	124	131	AIHSWLTR	33	87.199			Mascot
983.5421	983.5398	-0.0023	-2	124	131	AIHSWLTR					Mascot
1750.9155	1750.9111	-0.0044	-3	55	72	GGVIAADMLGSYGSLAR					Mascot
1766.9105	1766.9076	-0.0029	-2	55	72	GGVIAADMLGSYGSLAR			Oxidation (M)[9]		Mascot
2042.0739	2042.0739	0	0	53	72	FKGGVIAADMLGSYGSLAR			Oxidation (M)[11]		Mascot

	2192.0505	2192.0576	0.0071	3	82	101	VNNSTILGASGDYADYQY LK											Mascot
	2496.2954	2496.28	-0.0154	-6	165	188	LGVA YEAP TVATGFGAYL AQPLMR											Mascot
	2512.2903	2512.3005	0.0102	4	165	188	LGVA YEAP TVATGFGAYL AQPLMR					Oxidation (M)[23]						Mascot
	2515.2385	2515.2927	0.0542	22	102	123	QIIEQMVIDEELLGDGHS YTPK											Mascot
	2531.2334	2531.248	0.0146	6	102	123	QIIEQMVIDEELLGDGHS YTPK					Oxidation (M)[6]						Mascot
28	PREDICTED: structural maintenance of chromosomes protein 1B-like isoform 1 [Danio rerio]										gi 125855523	141682.3	7.11	21	63	97.966		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.577	870.5363	-0.0407	-47	172	179	LAVLQKAK					Mascot
960.4996	960.4761	-0.0235	-24	501	508	DEVLESLR					Mascot
960.4996	960.4761	-0.0235	-24	501	508	DEVLESLR	3		0		Mascot
983.5883	983.5398	-0.0485	-49	1020	1028	APNLKALEK	2		0		Mascot
983.5883	983.5398	-0.0485	-49	1020	1028	APNLKALEK					Mascot
1015.5782	1015.5256	-0.0526	-52	801	808	LQQELEKK					Mascot
1045.5636	1045.5605	-0.0031	-3	338	345	RELTELER					Mascot
1077.4807	1077.5089	0.0282	26	1225	1233	DENATDREK					Mascot
1118.594	1118.6503	0.0563	50	840	848	IEETIEKEK					Mascot
1129.6323	1129.6097	-0.0226	-20	896	905	ALTGLQERNK					Mascot
1129.6323	1129.6097	-0.0226	-20	896	905	ALTGLQERNK					Mascot
1165.6068	1165.7454	0.1386	119	683	692	LSSEMRALMK					Mascot
1274.674	1274.6094	-0.0646	-51	339	348	ELTELERAWK					Mascot
1307.7504	1307.6226	-0.1278	-98	519	529	LVELCQPIHKK					Mascot
1364.7719	1364.6943	-0.0776	-57	519	529	LVELCQPIHKK			Carbamidomethyl (C)[5]		Mascot
1364.7719	1364.6943	-0.0776	-57	519	529	LVELCQPIHKK			Carbamidomethyl (C)[5]		Mascot
1382.6798	1382.7772	0.0974	70	98	110	ISGESSEYLVNGK					Mascot
1638.7601	1638.9172	0.1571	96	990	1003	MLTEESEVEAMLEK					Mascot
1826.9172	1826.9792	0.062	34	1174	1188	MMSRESCQIIVISLK			Carbamidomethyl (C)[7], Oxidation (M)[1,2]		Mascot
1826.9172	1826.9792	0.062	34	1174	1188	MMSRESCQIIVISLK			Carbamidomethyl (C)[7], Oxidation (M)[1,2]		Mascot
1957.918	1958.0155	0.0975	50	132	149	NCLVYQGAVESIAMMNA K			Oxidation (M)[14]		Mascot
1972.0103	1971.9252	-0.0851	-43	593	609	MVVDVVQCSQNAPQLKR			Carbamidomethyl (C)[8]		Mascot
2192.1055	2192.0576	-0.0479	-22	415	433	SEIQGNIKHSQTHLEDISR					Mascot
2225.1052	2225.1208	0.0156	7	610	628	VIQYVCGNSLVCETLKDA R			Carbamidomethyl (C)[6,12]		Mascot
2225.1052	2225.1208	0.0156	7	610	628	VIQYVCGNSLVCETLKDA			Carbamidomethyl (C)[6,12]		Mascot

2230.0664	2230.1951	0.1287	58	130	149	R AKNCLVYQGAVESIAMM NAK	Carbamidomethyl (C)[4], Oxidation (M)[16,17]	Mascot
2284.0881	2284.1758	0.0877	38	132	151	NCLVYQGAVESIAMMNA KER	Carbamidomethyl (C)[2]	Mascot
2300.0833	2300.1768	0.0935	41	132	151	NCLVYQGAVESIAMMNA KER	Carbamidomethyl (C)[2], Oxidation (M)[14]	Mascot
2496.238	2496.28	0.042	17	1065	1084	FHLFSQCFEHVSVIDQI YK	Carbamidomethyl (C)[7]	Mascot

29 PREDICTED: structural maintenance of chromosomes protein 1B-like [Danio rerio] gi|292628155 123493.8 8.42 18 54 83.081

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.577	870.5363	-0.0407	-47	172	179	LAVLQKAK					Mascot
960.4996	960.4761	-0.0235	-24	501	508	DEVLESRLR					Mascot
960.4996	960.4761	-0.0235	-24	501	508	DEVLESRLR	3	0			Mascot
983.5883	983.5398	-0.0485	-49	864	872	APNLKALEK	2	0			Mascot
983.5883	983.5398	-0.0485	-49	864	872	APNLKALEK					Mascot
1045.5636	1045.5605	-0.0031	-3	338	345	RELTELER					Mascot
1077.4807	1077.5089	0.0282	26	1069	1077	DENATDREK					Mascot
1165.6068	1165.7454	0.1386	119	683	692	LSSEMRALMK					Mascot
1274.674	1274.6094	-0.0646	-51	339	348	ELTELERAWK					Mascot
1307.7504	1307.6226	-0.1278	-98	519	529	LVELCQPIHKK					Mascot
1364.7719	1364.6943	-0.0776	-57	519	529	LVELCQPIHKK			Carbamidomethyl (C)[5]		Mascot
1364.7719	1364.6943	-0.0776	-57	519	529	LVELCQPIHKK			Carbamidomethyl (C)[5]		Mascot
1382.6798	1382.7772	0.0974	70	98	110	ISGESSEYLVNGK					Mascot
1638.7601	1638.9172	0.1571	96	834	847	MLTEESEVEAMLEK					Mascot
1826.9172	1826.9792	0.062	34	1018	1032	MMSRESCQIIVISLK			Carbamidomethyl (C)[7], Oxidation (M)[1,2]		Mascot
1826.9172	1826.9792	0.062	34	1018	1032	MMSRESCQIIVISLK			Carbamidomethyl (C)[7], Oxidation (M)[1,2]		Mascot
1957.918	1958.0155	0.0975	50	132	149	NCLVYQGAVESIAMMNA K			Oxidation (M)[14]		Mascot
1972.0103	1971.9252	-0.0851	-43	593	609	MVVDVVQCSQNAPQLKR			Carbamidomethyl (C)[8]		Mascot
2192.1055	2192.0576	-0.0479	-22	415	433	SEIQGNIKHSQTHLEDISR					Mascot
2225.1052	2225.1208	0.0156	7	610	628	VIQYVCGNSLVCETLKDA R			Carbamidomethyl (C)[6,12]		Mascot
2225.1052	2225.1208	0.0156	7	610	628	VIQYVCGNSLVCETLKDA R			Carbamidomethyl (C)[6,12]		Mascot
2230.0664	2230.1951	0.1287	58	130	149	AKNCLVYQGAVESIAMM NAK			Carbamidomethyl (C)[4], Oxidation (M)[16,17]		Mascot
2284.0881	2284.1758	0.0877	38	132	151	NCLVYQGAVESIAMMNA KER			Carbamidomethyl (C)[2]		Mascot
2300.0833	2300.1768	0.0935	41	132	151	NCLVYQGAVESIAMMNA KER			Carbamidomethyl (C)[2], Oxidation (M)[14]		Mascot
2496.238	2496.28	0.042	17	909	928	FHLFSQCFEHVSVIDQI			Carbamidomethyl (C)[7]		Mascot

30 novel protein similar to human titin (TTN) [Danio rerio] YK
gi|94732358 2437518.2 5.95 64 52 73.186

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4669	826.4445	-0.0224	-27	21022	21028	LTSYKSK					Mascot
842.4478	842.5087	0.0609	72	14643	14649	RDLPEGR					Mascot
850.4668	850.5414	0.0746	88	11818	11824	FTVENLK					Mascot
856.4999	856.5221	0.0222	26	9129	9136	RANSAPLK					Mascot
864.4825	864.499	0.0165	19	14124	14130	FEVKDVK					Mascot
870.5658	870.5363	-0.0295	-34	6408	6415	LIEGLVVK					Mascot
882.4791	882.5657	0.0866	98	7328	7334	KEEHAIR					Mascot
911.4846	911.3981	-0.0865	-95	10200	10206	NSIVWHR					Mascot
960.4632	960.4761	0.0129	13	957	965	DGNEITPSK					Mascot
960.4996	960.4761	-0.0235	-24	8299	8306	LDEILSDR	14	0			Mascot
983.4904	983.5398	0.0494	50	14745	14752	DGHEIERK					Mascot
983.6248	983.5398	-0.085	-86	1422	1429	ILIIQDLR					Mascot
991.4955	991.463	-0.0325	-33	6275	6283	VAAENQFGR					Mascot
996.5359	996.5957	0.0598	60	3662	3669	LSYEQTKK					Mascot
1015.524	1015.5256	0.0016	2	4153	4161	QPLEVAACK			Carbamidomethyl (C)[8]		Mascot
1051.6146	1051.712	0.0974	93	10946	10955	VSEKPLPPGK					Mascot
1085.6466	1085.5427	-0.1039	-96	20523	20531	VIWLKNGQK					Mascot
1088.5371	1088.5459	0.0088	8	18012	18020	YALQYSSTR					Mascot
1094.6093	1094.5358	-0.0735	-67	14558	14566	TLIKDTEFK					Mascot
1118.6489	1118.6503	0.0014	1	7804	7813	IIMTELVTA					Mascot
1129.5596	1129.6097	0.0501	44	6774	6784	ASNKVG DGEPR	10	0			Mascot
1129.6212	1129.6097	-0.0115	-10	1004	1012	LNIEERDIK					Mascot
1152.583	1152.7451	0.1621	141	12791	12799	QKVT DVCFR			Carbamidomethyl (C)[7]		Mascot
1152.583	1152.7451	0.1621	141	12791	12799	QKVT DVCFR	3	0	Carbamidomethyl (C)[7]		Mascot
1165.6324	1165.7454	0.113	97	5141	5149	ITNYTIERR					Mascot
1211.7106	1211.7114	0.0008	1	5565	5575	QNAV VNNLVK					Mascot
1257.699	1257.6921	-0.0069	-5	2506	2515	SIFLLWEPPR					Mascot
1274.5933	1274.6094	0.0161	13	11495	11505	STDSYTCLTVK			Carbamidomethyl (C)[7]		Mascot
1279.7256	1279.7507	0.0251	20	15857	15867	LNTGTYELKIK					Mascot
1287.6328	1287.6692	0.0364	28	7033	7042	KPK EADEWER					Mascot
1287.6328	1287.6692	0.0364	28	7033	7042	KPK EADEWER					Mascot

1307.6147	1307.6226	0.0079	6	555	565	EVSLDDTCQIK	Carbamidomethyl (C)[8]	Mascot
1325.7358	1325.7559	0.0201	15	5424	5435	EKMVIHAGGVIR	Oxidation (M)[3]	Mascot
1325.7358	1325.7559	0.0201	15	5424	5435	EKMVIHAGGVIR	Oxidation (M)[3]	Mascot
1326.7528	1326.7534	0.0006	0	7025	7035	NLAYHVEKKPK		Mascot
1327.6892	1327.7382	0.049	37	17636	17647	YFLSLENVAGSK		Mascot
1364.6804	1364.6943	0.0139	10	759	769	DEARFEIELSR		Mascot
1364.6804	1364.6943	0.0139	10	759	769	DEARFEIELSR		Mascot
1382.7678	1382.7772	0.0094	7	5123	5134	AEQITLSWLPPK		Mascot
1419.7478	1419.7725	0.0247	17	14882	14894	FGLGEALESEIVR		Mascot
1419.7743	1419.7725	-0.0018	-1	16496	16507	LGHNHVHLELPYK		Mascot
1546.8125	1546.7904	-0.0221	-14	8356	8367	LIEGHEYQFRVR		Mascot
1627.8789	1627.7954	-0.0835	-51	20892	20906	SLGDLSDEELLPPVK		Mascot
1638.7944	1638.9172	0.1228	75	11699	11711	VTSLMENHLYEFR		Mascot
1715.9149	1715.9199	0.005	3	18012	18026	YALQYSSTRAMAIK		Mascot
1750.8892	1750.9111	0.0219	13	19342	19357	EMDEVTAKLGTATLK	Oxidation (M)[2]	Mascot
1816.8964	1816.9244	0.028	15	5705	5719	DELEPPTIELDFRDK		Mascot
1826.8412	1826.9792	0.138	76	5849	5864	DMWTTVTSTATTCK	Oxidation (M)[2]	Mascot
1826.9622	1826.9792	0.017	9	6952	6966	LVKAPLVQNCYFFR		Mascot
1840.944	1840.9486	0.0046	2	3819	3835	IGEVTSSTVALSWHEPK		Mascot
1957.9601	1958.0155	0.0554	28	11905	11922	ESAIETSSSYTSLVIDK		Mascot
1972.0056	1971.9252	-0.0804	-41	549	565	HTLEIKEVSLDDTCQIK		Mascot
2042.095	2042.0739	-0.0211	-10	8872	8889	ELSVLAKDINVLPSCDLR	Carbamidomethyl (C)[15]	Mascot
2191.9998	2192.0576	0.0578	26	11796	11814	AAEEIQEQWTMCTPPTG VK	Carbamidomethyl (C)[12], Oxidation (M)[11]	Mascot
2211.1147	2211.1077	-0.007	-3	15930	15948	VVWSVISEAMESRMVTV QK	Oxidation (M)[10,14]	Mascot
2230.0808	2230.1951	0.1143	51	9022	9041	DSITNMWTVSSSVVTNS FR		Mascot
2233.0076	2233.0791	0.0715	32	13895	13914	VSAENETGVGECSDL FYR	Carbamidomethyl (C)[12]	Mascot
2249.2175	2249.0615	-0.156	-69	671	690	DIKVVKPIYGVELFDGETA R		Mascot
2283.0269	2283.1763	0.1494	65	1430	1450	MDDAGEYHCKLPASSETT GTLK	Oxidation (M)[1]	Mascot
2284.0583	2284.1758	0.1175	51	9228	9248	ANTVNVIDCAYTVADLQE GCK	Carbamidomethyl (C)[9]	Mascot
2298.1348	2298.1748	0.04	17	3285	3306	DPDSAPTIDVATQDIVVV EGEK		Mascot
2300.1616	2300.1768	0.0152	7	11905	11925	ESAIETSSSYTSLVIDKV SR		Mascot
2362.1165	2362.1865	0.07	30	18711	18731	VAAANRYGTGEYLQSEV VMCK	Carbamidomethyl (C)[20], Oxidation (M)[19]	Mascot
2395.2188	2395.0928	-0.126	-53	5554	5575	AWTSCSYTAGRQNAVVN NLVLK		Mascot
2496.2625	2496.28	0.0175	7	15650	15673	VTNICPGMIYEFKVAEEN AAGIGK		Mascot

	2512.2573	2512.3005	0.0432	17	15650	15673	VTNICPGMIYEFKVAEN AAGIGK							Oxidation (M)[8]	Mascot
	2515.241	2515.2927	0.0517	21	4759	4782	HTLPVDSDISSDTSVV TIPESK								Mascot
	2531.1904	2531.248	0.0576	23	12431	12454	ISEGFVARPCDPPGTPE AVCVSK							Carbamidomethyl (C)[11]	Mascot
	2697.3328	2697.3069	-0.0259	-10	735	758	VSQSGEELPISFVMPLSD VQVYEK							Oxidation (M)[14]	Mascot
31	novel protein [Danio rerio]				gi 56207698		61957.1	9.81	12	51	63.828				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
960.5109	960.4761	-0.0348	-36	236	244	AGLSITDQR						Mascot	
960.5109	960.4761	-0.0348	-36	236	244	AGLSITDQR						Mascot	
1085.5698	1085.5427	-0.0271	-25	297	306	QINSIGSPNR						Mascot	
1088.5458	1088.5459	0.0001	0	381	388	LYHHFICR						Mascot	
1118.6204	1118.6503	0.0299	27	274	284	SFIGVLSPNGK						Mascot	
1165.6437	1165.7454	0.1017	87	542	551	QINQARSHVL						Mascot	
1382.6699	1382.7772	0.1073	78	459	469	HFQLTDLHEDK						Mascot	
2042.0963	2042.0739	-0.0224	-11	475	493	GVLLQCPSPGFLRGTGN LR				Carbamidomethyl (C)[6]		Mascot	
2233.1096	2233.0791	-0.0305	-14	159	179	NSVDVSGVTDQSAWIDV ALTR						Mascot	
2249.0906	2249.0615	-0.0291	-13	138	157	LKSSPLNISYESSACFYS PR						Mascot	
2300.1228	2300.1768	0.054	23	408	429	ESFQSPGFSSSSMSALA LTPLR						Mascot	
2362.2461	2362.1865	-0.0596	-25	236	257	AGLSITDQRETSIISQLSS LDK						Mascot	
2515.2498	2515.2927	0.0429	17	408	431	ESFQSPGFSSSSMSALA LTPLRAK				Oxidation (M)[13]		Mascot	

32	ribosome biogenesis protein BMS1 homolog [Danio rerio]				gi 302191608		139916.2	5.26	14	47	13.23	22	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
826.3763	826.4445	0.0682	83	684	690	DCFVTGK				Carbamidomethyl (C)[2]		Mascot	
960.5148	960.4761	-0.0387	-40	596	603	WKEGLAEK						Mascot	
960.5148	960.4761	-0.0387	-40	596	603	WKEGLAEK	22		0			Mascot	
1015.6298	1015.5256	-0.1042	-103	1113	1121	ALPFKSKPK						Mascot	
1051.5717	1051.712	0.1403	133	102	109	CLIKNFTR				Carbamidomethyl (C)[1]		Mascot	
1077.4596	1077.5089	0.0493	46	422	429	EWDENTQR						Mascot	
1085.6215	1085.5427	-0.0788	-73	1014	1023	ALRTPPGAFR						Mascot	

1094.6608	1094.5358	-0.125	-114	967	975	LKLIGYPYK		Mascot
1325.7688	1325.7559	-0.0129	-10	880	890	DPLILSLGWRR		Mascot
1325.7688	1325.7559	-0.0129	-10	880	890	DPLILSLGWRR		Mascot
1364.7532	1364.6943	-0.0589	-43	996	1008	FEGASIRTVSGIK		Mascot
1364.7532	1364.6943	-0.0589	-43	996	1008	FEGASIRTVSGIK		Mascot
1419.6572	1419.7725	0.1153	81	351	363	DAVYIDMPSGHAK	Oxidation (M)[7]	Mascot
1419.6572	1419.7725	0.1153	81	351	363	DAVYIDMPSGHAK	Oxidation (M)[7]	Mascot
1627.8942	1627.7954	-0.0988	-61	1147	1161	VAALLDALTTVYSYK		Mascot
2283.1108	2283.1763	0.0655	29	128	146	RLTFIECNNDINSMIDLAK	Carbamidomethyl (C)[7], Oxidation (M)[14]	Mascot
2283.9675	2284.1758	0.2083	91	774	792	ERFDAQYDDGDATYFDD LK		Mascot
2515.2949	2515.2927	-0.0022	-1	1049	1070	LYNPVTSLLMPVGQKHT WSGMR		Mascot
2531.2898	2531.248	-0.0418	-17	1049	1070	LYNPVTSLLMPVGQKHT WSGMR	Oxidation (M)[10]	Mascot

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1118.6489	1118.6503	0.0014	1	7882	7891	IIMTELVTA			Mascot
1129.5596	1129.6097	0.0501	44	6852	6862	ASNKVGGEPR	10	0	Mascot
1129.6212	1129.6097	-0.0115	-10	1082	1090	LNIEERDIK			Mascot
1152.583	1152.7451	0.1621	141	12869	12877	QKVTDVCFR		Carbamidomethyl (C)[7]	Mascot
1152.583	1152.7451	0.1621	141	12869	12877	QKVTDVCFR	3	0	Carbamidomethyl (C)[7] Mascot
1165.6324	1165.7454	0.113	97	5219	5227	ITNYTIERR			Mascot
1211.7106	1211.7114	0.0008	1	5643	5653	QNAVNNLVK			Mascot
1257.699	1257.6921	-0.0069	-5	2584	2593	SIFLLWEPPR			Mascot
1274.5933	1274.6094	0.0161	13	11573	11583	STDSYTCLTVK		Carbamidomethyl (C)[7]	Mascot
1279.7256	1279.7507	0.0251	20	15935	15945	LNTGTYELKIK			Mascot
1287.6328	1287.6692	0.0364	28	7111	7120	KPKEADEWER			Mascot
1287.6328	1287.6692	0.0364	28	7111	7120	KPKEADEWER			Mascot
1307.6147	1307.6226	0.0079	6	633	643	EVSLDDTCQIK		Carbamidomethyl (C)[8]	Mascot
1325.7358	1325.7559	0.0201	15	5502	5513	EKMVIHAGGVIR		Oxidation (M)[3]	Mascot
1325.7358	1325.7559	0.0201	15	5502	5513	EKMVIHAGGVIR		Oxidation (M)[3]	Mascot
1326.7528	1326.7534	0.0006	0	7103	7113	NLAYHVEKKPK			Mascot
1327.6892	1327.7382	0.049	37	17714	17725	YFLSLENVAGSK			Mascot
1364.6804	1364.6943	0.0139	10	837	847	DEARFEIELSR			Mascot
1364.6804	1364.6943	0.0139	10	837	847	DEARFEIELSR			Mascot
1382.7678	1382.7772	0.0094	7	5201	5212	AEQITLSWLPPK			Mascot
1419.7478	1419.7725	0.0247	17	14960	14972	FGLGEALESEIVR			Mascot
1419.7743	1419.7725	-0.0018	-1	16574	16585	LGHNHLELPYK			Mascot
1546.8125	1546.7904	-0.0221	-14	8434	8445	LIEGHEYQFRVR			Mascot
1627.8789	1627.7954	-0.0835	-51	21064	21078	SLGDLSEELLPPVK			Mascot
1638.7944	1638.9172	0.1228	75	11777	11789	VTSLMENHLYEFR			Mascot
1715.9149	1715.9199	0.005	3	18090	18104	YALQYSSTRAMAIK			Mascot
1750.8892	1750.9111	0.0219	13	19514	19529	EMDEVTAQLGQTATLK		Oxidation (M)[2]	Mascot
1816.8964	1816.9244	0.028	15	5783	5797	DELEPTIELDFRDK			Mascot
1826.8412	1826.9792	0.138	76	5927	5942	DMWTTVTSATTKTHCK		Oxidation (M)[2]	Mascot
1826.9622	1826.9792	0.017	9	7030	7044	LVKAPLVQNCEYFFR			Mascot
1840.944	1840.9486	0.0046	2	3897	3913	IGEVTSSTVALSWHEPK			Mascot
1957.9601	1958.0155	0.0554	28	11983	12000	ESAQIETSSSYTSLVIDK			Mascot
1972.0056	1971.9252	-0.0804	-41	627	643	HTLEIKEVSLDDTCQIK			Mascot
2042.095	2042.0739	-0.0211	-10	8950	8967	ELSVLAKDINVLPSCDLR		Carbamidomethyl (C)[15]	Mascot
2191.9998	2192.0576	0.0578	26	11874	11892	AAEEIQEQWTMCTPPTG VK		Carbamidomethyl (C)[12], Oxidation (M)[11]	Mascot
2211.1147	2211.1077	-0.007	-3	16008	16026	VVWSVISEAMESRMVTV QK		Oxidation (M)[10,14]	Mascot

	2230.0808	2230.1951	0.1143	51	9100	9119	DSITNMWVTVSSSVVTNS FR										Mascot
	2233.0076	2233.0791	0.0715	32	13973	13992	VSAENETGVGECSDL SLFYR	Carbamidomethyl (C)[12]									Mascot
	2249.2175	2249.0615	-0.156	-69	749	768	DIKVVKPIYGVELFDGE TAR										Mascot
	2283.0269	2283.1763	0.1494	65	1508	1528	MDDAGEYHCKLPASETT GTLK	Oxidation (M)[1]									Mascot
	2284.0583	2284.1758	0.1175	51	9306	9326	ANTVNVIDCAYTVADLQE GCK	Carbamidomethyl (C)[9]									Mascot
	2298.1348	2298.1748	0.04	17	3363	3384	DPDSAPTIDVATQDIVVV EGEK										Mascot
	2300.1616	2300.1768	0.0152	7	11983	12003	ESAQIETSSSYTSLVIDKV SR										Mascot
	2362.1165	2362.1865	0.07	30	18883	18903	VAAANRYGTGEYLQSEV VMCK	Carbamidomethyl (C)[20], Oxidation (M)[19]									Mascot
	2395.2188	2395.0928	-0.126	-53	5632	5653	AWTSCSYTAGRQNAVVN NLVLK										Mascot
	2496.2625	2496.28	0.0175	7	15728	15751	VTNICPGMIYEFKVA AEN AAGIGK										Mascot
	2512.2573	2512.3005	0.0432	17	15728	15751	VTNICPGMIYEFKVA AEN AAGIGK	Oxidation (M)[8]									Mascot
	2515.241	2515.2927	0.0517	21	4837	4860	HTLPVDSDISSD TTSVV TIPSCK										Mascot
	2697.3328	2697.3069	-0.0259	-10	813	836	VSQSGEELPISFV MPLSD VQVYEK	Oxidation (M)[14]									Mascot
34	novel protein [Danio rerio]				gi 56207697		60239	9.48	11	45	0						

Peptide Information																	
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type				
960.5109	960.4761	-0.0348	-36	260	268	AGLSITDQR							Mascot				
960.5109	960.4761	-0.0348	-36	260	268	AGLSITDQR							Mascot				
1085.5698	1085.5427	-0.0271	-25	321	330	QINSIGSPNR							Mascot				
1088.5458	1088.5459	0.0001	0	405	412	LYHHFICR							Mascot				
1118.6204	1118.6503	0.0299	27	298	308	SFIGVLSPNGK							Mascot				
1382.6699	1382.7772	0.1073	78	483	493	HFQLTDLHEDK							Mascot				
2042.0963	2042.0739	-0.0224	-11	499	517	GVLLQCPSPGFLRGTGN LR				Carbamidomethyl (C)[6]			Mascot				
2233.1096	2233.0791	-0.0305	-14	183	203	NSVDVSGVTDQSAWIDV ALTR							Mascot				
2249.0906	2249.0615	-0.0291	-13	162	181	LKSSPLNISYESSACFYS PR							Mascot				
2300.1228	2300.1768	0.054	23	432	453	ESFQSPGFSSSSMSALA LTPLR							Mascot				
2362.2461	2362.1865	-0.0596	-25	260	281	AGLSITDQRETSIISQLSS LDK							Mascot				
2515.2498	2515.2927	0.0429	17	432	455	ESFQSPGFSSSSMSALA LTPLRAK				Oxidation (M)[13]			Mascot				

35	PREDICTED: serine/threonine-protein kinase pim-3-like [Danio rerio]				gi 326675215		23705.1	8.34	4	44	0	28	58.576				
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Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
	991.4843	991.463	-0.0213	-21	120	127	LQEGEPYR				Mascot
	1211.6531	1211.7114	0.0583	48	110	119	SPYLGVTRYR				Mascot
	1287.7015	1287.6692	-0.0323	-25	44	55	KNNGLLSESVAR	28	58.576		Mascot
	1287.7015	1287.6692	-0.0323	-25	44	55	KNNGLLSESVAR				Mascot
	1364.7419	1364.6943	-0.0476	-35	184	195	TGPVLEEIIIEHK				Mascot
	1364.7419	1364.6943	-0.0476	-35	184	195	TGPVLEEIIIEHK				Mascot
36	serine/threonine-protein kinase 33 [Danio rerio]				gi 136255681	54885.7	9.11	12	44	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.4832	870.5363	0.0531	61	47	53	IYSFGRK					Mascot
911.3862	911.3981	0.0119	13	19	25	MACQWTR			Oxidation (M)[1]		Mascot
996.4897	996.5957	0.106	106	487	495	STNPAFGFR					Mascot
1015.608	1015.5256	-0.0824	-81	288	295	NVIRCLLK			Carbamidomethyl (C)[5]		Mascot
1077.5898	1077.5089	-0.0809	-75	401	411	LSASSSNGVKK					Mascot
1152.5752	1152.7451	0.1699	147	261	269	ERLSEMIMK			Oxidation (M)[6]		Mascot
1152.5752	1152.7451	0.1699	147	261	269	ERLSEMIMK			Oxidation (M)[6]		Mascot
1257.662	1257.6921	0.0301	24	91	100	HLEREVSIMK			Oxidation (M)[9]		Mascot
1627.7706	1627.7954	0.0248	15	120	133	MYLVTELCEGGDLK			Carbamidomethyl (C)[8]		Mascot
1638.8446	1638.9172	0.0726	44	33	46	VPHTRIEDESIQK					Mascot
1751.0214	1750.9111	-0.1103	-63	149	163	HIKSLSEAIVYLHK					Mascot
2225.1191	2225.1208	0.0017	1	120	138	MYLVTELCEGGDLKDLL QK			Carbamidomethyl (C)[8]		Mascot
2225.1191	2225.1208	0.0017	1	120	138	MYLVTELCEGGDLKDLL QK			Carbamidomethyl (C)[8]		Mascot
2362.1843	2362.1865	0.0022	1	447	471	ASSILGSSSLKPPSSEAPA AASNSSR					Mascot
37	hypothetical protein LOC572032 [Danio rerio]			gi 130501553		75267.4	9.23	12	44	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
960.5109	960.4761	-0.0348	-36	344	352	AGLSITDQR					Mascot
960.5109	960.4761	-0.0348	-36	344	352	AGLSITDQR					Mascot
1085.5698	1085.5427	-0.0271	-25	405	414	QINSIGSPNR					Mascot

	1088.5458	1088.5459	0.0001	0	489	496	LYHHFICR										Mascot
	1118.6204	1118.6503	0.0299	27	382	392	SFIGVLSPNGK										Mascot
	1382.6699	1382.7772	0.1073	78	567	577	HFQLTDLHEDK										Mascot
	1826.8854	1826.9792	0.0938	51	11	25	NNDVFRNTMEAIFQK										Mascot
	1826.8854	1826.9792	0.0938	51	11	25	NNDVFRNTMEAIFQK										Mascot
	2042.0963	2042.0739	-0.0224	-11	583	601	GVLLQCPSPGFLRGNTN LR					Carbamidomethyl (C)[6]					Mascot
	2233.1096	2233.0791	-0.0305	-14	267	287	NSVDVSGVTDQSAWIDV ALTR										Mascot
	2249.0906	2249.0615	-0.0291	-13	246	265	LKSSPLNISYESSACFYS PR										Mascot
	2300.1228	2300.1768	0.054	23	516	537	ESFQSPGFSSSSMSALA LTPLR										Mascot
	2362.2461	2362.1865	-0.0596	-25	344	365	AGLSITDQRETSIISQLSS LDK										Mascot
	2515.2498	2515.2927	0.0429	17	516	539	ESFQSPGFSSSSMSALA LTPLRAK					Oxidation (M)[13]					Mascot
38	AP-3 complex subunit sigma-2 [Danio rerio]				gi 50540146		21897.1	5.1	7	43	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
960.5148	960.4761	-0.0387	-40	34	41	ETFHLVSK						Mascot
960.5148	960.4761	-0.0387	-40	34	41	ETFHLVSK						Mascot
1015.5166	1015.5256	0.009	9	150	160	SEGGLSAAPAR						Mascot
1419.6896	1419.7725	0.0829	58	147	160	MEKSEGGLSAAPAR				Oxidation (M)[1]		Mascot
1419.6896	1419.7725	0.0829	58	147	160	MEKSEGGLSAAPAR				Oxidation (M)[1]		Mascot
1638.8995	1638.9172	0.0177	11	161	175	AVSAVKNMNLPEIPR						Mascot
1841.0167	1840.9486	-0.0681	-37	176	192	NINIGDINIKVPSLSPF						Mascot
1971.8649	1971.9252	0.0603	31	100	115	CFENVCELDLIFHMDK				Oxidation (M)[14]		Mascot
2362.2012	2362.1865	-0.0147	-6	16	33	LIRFYQYFAEDMQQIIR						Mascot

39 PREDICTED: cytohesin-3 [Danio rerio] gi|189525884 46368.6 5.84 4 42 0 31 79.898

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
983.5097	983.5398	0.0301	31	148	154	QFLWSFR	31	79.898				Mascot
983.5097	983.5398	0.0301	31	148	154	QFLWSFR						Mascot
1002.5101	1002.5165	0.0064	6	30	37	ELLDDIER						Mascot
1326.6293	1326.7534	0.1241	94	162	172	IDRMMEAYAAR						Mascot
2300.1987	2300.1768	-0.0219	-10	38	56	LKLEISEVMTEIEHLTCVR				Carbamidomethyl (C)[17]		Mascot

40 novel protein [Danio rerio] gi|148725634 88547.7 5.1 11 41 0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification				Rank Result Type
842.5345	842.5087	-0.0258	-31	588	595 IIASPLTK						Mascot
864.3953	864.499	0.1037	120	40	46 MLSCPEK					Carbamidomethyl (C)[4]	Mascot
870.4791	870.5363	0.0572	66	199	205 ETSRHIK						Mascot
960.4744	960.4761	0.0017	2	485	494 SSGPSLAGER						Mascot
960.4744	960.4761	0.0017	2	485	494 SSGPSLAGER	11		0			Mascot
1129.6576	1129.6097	-0.0479	-42	621	630 VVDGIRTELK						Mascot
1129.6576	1129.6097	-0.0479	-42	621	630 VVDGIRTELK						Mascot
1211.6493	1211.7114	0.0621	51	474	484 VFSFATCPIVK						Mascot
1327.762	1327.7382	-0.0238	-18	700	712 SVSFPPPAVLISK						Mascot
1382.7162	1382.7772	0.061	44	184	196 ASLNIEGVPPPEEK						Mascot
1957.9688	1958.0155	0.0467	24	94	109 EMKELTTQVNVYSFPR					Oxidation (M)[2]	Mascot
2192.175	2192.0576	-0.1174	-54	49	68 FVWTALGDKPIFATPKTG DK						Mascot
2210.948	2211.1077	0.1597	72	357	375 LSDTGMFVCEAFNEYGS QR					Carbamidomethyl (C)[9]	Mascot
41	PREDICTED: hypothetical protein LOC797378 [Danio rerio]			gi 292622805	72531.1	6.46	6	41	0	28	58.576

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification				Rank Result Type
870.577	870.5363	-0.0407	-47	493	500 VAIKVVNK						Mascot
882.4501	882.5657	0.1156	131	1	7 MSTRPFK					Oxidation (M)[1]	Mascot
1094.5952	1094.5358	-0.0594	-54	87	97 VSGGGKSYALR						Mascot
1287.7015	1287.6692	-0.0323	-25	566	577 KNNGLLSSEVAR	28		58.576			Mascot
1287.7015	1287.6692	-0.0323	-25	566	577 KNNGLLSSEVAR						Mascot
2224.9221	2225.1208	0.1987	89	51	68 LSEMENTRDTEMTSYEE K					Oxidation (M)[4,12]	Mascot
2224.9221	2225.1208	0.1987	89	51	68 LSEMENTRDTEMTSYEE K					Oxidation (M)[4,12]	Mascot
2496.2664	2496.28	0.0136	5	590	610 CLEHGIEHESIHKENILVN PK					Carbamidomethyl (C)[1]	Mascot
42	PREDICTED: dedicator of cytokinesis protein 7 [Danio rerio]			gi 292612128	236179.1	6.42	16	41	0	20	0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification				Rank Result Type

	856.4597	856.5221	0.0624	73	247	254	CAIPEVPK										Mascot
	960.5148	960.4761	-0.0387	-40	531	538	EVLEFPAR										Mascot
	960.5148	960.4761	-0.0387	-40	531	538	EVLEFPAR	22	0								Mascot
	991.4189	991.463	0.0441	44	593	600	SSCAEFYK					Carbamidomethyl (C)[3]					Mascot
	1094.4895	1094.5358	0.0463	42	210	218	TAAEEMDRR					Oxidation (M)[6]					Mascot
	1165.6146	1165.7454	0.1308	112	1736	1745	ILCPIHEANR										Mascot
	1287.6692	1287.6692	0	0	1014	1023	YHKDVELVER										Mascot
	1287.6692	1287.6692	0	0	1014	1023	YHKDVELVER										Mascot
	1364.6991	1364.6943	-0.0048	-4	1506	1517	SHASASLYLLMR					Oxidation (M)[11]					Mascot
	1364.6991	1364.6943	-0.0048	-4	1506	1517	SHASASLYLLMR					Oxidation (M)[11]					Mascot
	1715.8309	1715.9199	0.089	52	467	480	LSDEDLYKFLADMR										Mascot
	1817.02	1816.9244	-0.0956	-53	1429	1445	TVVMSELKESVLGGVLR										Mascot
	1826.8126	1826.9792	0.1666	91	129	143	YQCYSTLQTPHNSER										Mascot
	1826.8126	1826.9792	0.1666	91	129	143	YQCYSTLQTPHNSER										Mascot
	2041.9727	2042.0739	0.1012	50	1757	1773	LQDAFNKVYNQSSGWER										Mascot
	2192.0918	2192.0576	-0.0342	-16	1615	1633	GYQNSPDLRLTLWLNMA GK										Mascot
	2225.1304	2225.1208	-0.0096	-4	917	936	MSAYIETTSLCPSRQIA K					Oxidation (M)[1]					Mascot
	2225.1304	2225.1208	-0.0096	-4	917	936	MSAYIETTSLCPSRQIA K					Oxidation (M)[1]					Mascot
	2230.0996	2230.1951	0.0955	43	1597	1614	EHQQDPEMLIDLMYRIAK										Mascot
	2298.2209	2298.1748	-0.0461	-20	727	744	FFTLVYVLEEYSFPFRLK										Mascot
	2395.3523	2395.0928	-0.2595	-108	324	344	SAIFSITYPSPEIFLVKLE K										Mascot
43	hypothetical protein LOC325586 [Danio rerio]				gi 41152419		46600.6	5.66	4	41	0	30	70.384				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
983.5097	983.5398	0.0301	31	149	155	QFLWSFR	31	79.898				Mascot
983.5097	983.5398	0.0301	31	149	155	QFLWSFR						Mascot
1015.4335	1015.5256	0.0921	91	166	173	MMEFAQR			Oxidation (M)[1,2]			Mascot
1094.5476	1094.5358	-0.0118	-11	112	121	TAIGDYLGER						Mascot
2211.085	2211.1077	0.0227	10	1	19	MVLKSDDEIVPHDLTPEE K			Oxidation (M)[1]			Mascot

44	titin b [Danio rerio]				gi 110005908		3198243.8	5.99	68	41	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
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826.4669	826.4445	-0.0224	-27	27840	27846	LTSYKSK			Mascot
842.4478	842.5087	0.0609	72	21461	21467	RDLPEGR			Mascot
850.4893	850.5414	0.0521	61	1620	1626	YVVSARR			Mascot
856.4999	856.5221	0.0222	26	15947	15954	RANSAPLK			Mascot
864.4825	864.499	0.0165	19	20942	20948	FEVKDVK			Mascot
870.5267	870.5363	0.0096	11	1808	1814	QRLAINR			Mascot
882.4791	882.5657	0.0866	98	14146	14152	KEEHAIR			Mascot
911.4468	911.3981	-0.0487	-53	5423	5431	YVPSSGSSK			Mascot
960.4632	960.4761	0.0129	13	7775	7783	DGNEITPSK			Mascot
960.4996	960.4761	-0.0235	-24	15117	15124	LDEILSDR	14	0	Mascot
983.4904	983.5398	0.0494	50	21563	21570	DGHEIERK			Mascot
983.6248	983.5398	-0.085	-86	8240	8247	ILIIQDLR			Mascot
991.4955	991.463	-0.0325	-33	13093	13101	VAAENQFGR			Mascot
996.536	996.5957	0.0597	60	2513	2520	LTITETYR			Mascot
1002.4713	1002.5165	0.0452	45	5375	5382	MYGITDFR			Mascot
1015.524	1015.5256	0.0016	2	10971	10979	QPLEVAACK		Carbamidomethyl (C)[8]	Mascot
1051.6146	1051.712	0.0974	93	17764	17773	VSEKPLPPGK			Mascot
1077.4769	1077.5089	0.032	30	6452	6460	DEISEEPMK			Mascot
1085.6201	1085.5427	-0.0774	-71	5331	5340	ESGPEVVKLK			Mascot
1088.5371	1088.5459	0.0088	8	24830	24838	YALQYSSTR			Mascot
1094.5112	1094.5358	0.0246	22	1518	1527	NNAEIFSGDK			Mascot
1118.6489	1118.6503	0.0014	1	14622	14631	IIMTELVTA			Mascot
1129.5596	1129.6097	0.0501	44	13592	13602	ASNKVGGEPR	10	0	Mascot
1129.6212	1129.6097	-0.0115	-10	7822	7830	LNIEERDIK			Mascot
1152.583	1152.7451	0.1621	141	19609	19617	QKVTDVCFR		Carbamidomethyl (C)[7]	Mascot
1152.583	1152.7451	0.1621	141	19609	19617	QKVTDVCFR	3	0 Carbamidomethyl (C)[7]	Mascot
1165.6324	1165.7454	0.113	97	11959	11967	ITNYTIERR			Mascot
1211.7106	1211.7114	0.0008	1	12383	12393	QNAVNNLVLK			Mascot
1257.699	1257.6921	-0.0069	-5	9324	9333	SIFLLWEPPR			Mascot
1274.5933	1274.6094	0.0161	13	18313	18323	STDSYTCLTVK		Carbamidomethyl (C)[7]	Mascot
1279.7256	1279.7507	0.0251	20	6359	6369	EPEIPQPTLKK			Mascot
1287.6328	1287.6692	0.0364	28	13851	13860	KPKEADEWER			Mascot
1287.6328	1287.6692	0.0364	28	13851	13860	KPKEADEWER			Mascot
1307.6147	1307.6226	0.0079	6	7356	7366	EVSLDDTCQIK		Carbamidomethyl (C)[8]	Mascot
1325.6254	1325.7559	0.1305	98	6025	6035	TDEISEMKQTK		Oxidation (M)[7]	Mascot
1325.7358	1325.7559	0.0201	15	12242	12253	EKMVIHAGGVIR		Oxidation (M)[3]	Mascot
1326.7528	1326.7534	0.0006	0	13843	13853	NLAYHVEKKPK			Mascot

1327.6892	1327.7382	0.049	37	24454	24465	YFLSLENVAGSK	Mascot
1364.6804	1364.6943	0.0139	10	7577	7587	DEARFEIELSR	Mascot
1364.7096	1364.6943	-0.0153	-11	5233	5243	LDNLFFIEEPK	Mascot
1382.7678	1382.7772	0.0094	7	11941	11952	AEQITLSWLPPK	Mascot
1419.7478	1419.7725	0.0247	17	21700	21712	FGLGEALESEIVR	Mascot
1419.7743	1419.7725	-0.0018	-1	23314	23325	LGHNVHLELPYK	Mascot
1546.7716	1546.7904	0.0188	12	4304	4317	KICNMESNIGNPVK	Mascot
1627.8789	1627.7954	-0.0835	-51	27710	27724	SLGDLSDEELLLPVK	Mascot
1638.7944	1638.9172	0.1228	75	18517	18529	VTSLMENHLYEFR	Mascot
1715.9149	1715.9199	0.005	3	24830	24844	YALQYSSTRAMAIK	Mascot
1750.9221	1750.9111	-0.011	-6	1088	1103	FGVDQTSATLIVKDEK	Mascot
1816.8964	1816.9244	0.028	15	12523	12537	DELEPPTIELDFRDK	Mascot
1826.8412	1826.9792	0.138	76	12667	12682	DMWTTVTSTATTHTCK	Mascot
1826.9622	1826.9792	0.017	9	13770	13784	LVKAPLVQNCYFFR	Mascot
1840.944	1840.9486	0.0046	2	10637	10653	IGEVTSSTVALSWHEPK	Mascot
1957.9865	1958.0155	0.029	15	1313	1329	TQEGYYEAITAVELKSR	Mascot
1972.0056	1971.9252	-0.0804	-41	7350	7366	HTLEIKEVSLDDTCQIK	Mascot
2042.095	2042.0739	-0.0211	-10	15690	15707	ELSVLAKDINVLPSCDLR	Mascot
2191.9998	2192.0576	0.0578	26	18614	18632	AAEEIQEQWTMCTPPTG VK	Mascot
2211.1147	2211.1077	-0.007	-3	22748	22766	VVWSVISEAMESRMVTV QK	Mascot
2230.0808	2230.1951	0.1143	51	15840	15859	DSITNMWTVTSSSVVTNS FR	Mascot
2233.0076	2233.0791	0.0715	32	20713	20732	VSAENETGVGECSDL FYR	Mascot
2249.137	2249.0615	-0.0755	-34	6014	6032	QKPEPSFELIKTDEISEMK	Mascot
2283.0269	2283.1763	0.1494	65	8248	8268	MDDAGEYHCKLPASETT GTLK	Mascot
2284.0583	2284.1758	0.1175	51	16046	16066	ANTVNVVIDCAYTVADLQE GCK	Mascot
2298.1348	2298.1748	0.04	17	10103	10124	DPDSAPTIDVATQDIVVV EGEK	Mascot
2300.1616	2300.1768	0.0152	7	18723	18743	ESAQIETSSSYTSLVIDKV SR	Mascot
2362.1165	2362.1865	0.07	30	25529	25549	VAAANRYGTGEYLQSEV VMCK	Mascot
2395.0911	2395.0928	0.0017	1	5543	5562	QSATFECELSFDNAVVT WYK	Mascot
2496.2625	2496.28	0.0175	7	22468	22491	VTNICPGMIYEFKVA AEN AAGIGK	Mascot
2512.2573	2512.3005	0.0432	17	22468	22491	VTNICPGMIYEFKVA AEN AAGIGK	Mascot
2515.2925	2515.2927	0.0002	0	2111	2134	DVTSLLGATASFELSLSH DDIPVK	Mascot
2531.248	2531.248	0	0	2422	2445	LMIQTVRMSDAGEYSVV AGASVSK	Mascot

	2697.4207	2697.3069	-0.1138	-42	18875	18899	LSVVDVTKTSVLSWEKP IHDGGSR										Mascot
45	PREDICTED: cytohesin-2 [Danio rerio]				gi 326674650		46666.9	5.9	4	40	0	30	70.384				
Peptide Information																	
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type			
983.5097		983.5398	0.0301	31	149	155	QFLWSFR	31	79.898					Mascot			
983.5097		983.5398	0.0301	31	149	155	QFLWSFR							Mascot			
1015.4335		1015.5256	0.0921	91	166	173	MMEAFAQR				Oxidation (M)[1,2]			Mascot			
1094.5476		1094.5358	-0.0118	-11	112	121	TAIGDYLGER							Mascot			
1826.8918		1826.9792	0.0874	48	112	127	TAIGDYLGERDDFNIK							Mascot			
1826.8918		1826.9792	0.0874	48	112	127	TAIGDYLGERDDFNIK							Mascot			
46	novel protein (zgc:136584) [Danio rerio]				gi 220678751		21233.8	5.66	7	40	0						
Peptide Information																	
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type			
870.4614		870.5363	0.0749	86	48	54	ALHDKMR							Mascot			
1274.6885		1274.6094	-0.0791	-62	9	20	CVSALLNGITQR							Mascot			
1327.6865		1327.7382	0.0517	39	124	134	WRVDLHTSASR							Mascot			
1627.8108		1627.7954	-0.0154	-9	175	188	MAELQESIDSIVHR							Mascot			
2211.0022		2211.1077	0.1055	48	35	52	NELYAEMTEDEFRALHD K							Mascot			
2283.092		2283.1763	0.0843	37	59	79	SIASADMDQAQLEAFLTA QTR				Oxidation (M)[7]			Mascot			
2395.1921		2395.0928	-0.0993	-41	59	80	SIASADMDQAQLEAFLTA QTRK							Mascot			
47	PREDICTED: titin [Danio rerio]				gi 189523697		3199053	5.99	67	40	0						
Peptide Information																	
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type			
826.4669		826.4445	-0.0224	-27	27841	27847	LTSYKSK							Mascot			
842.4478		842.5087	0.0609	72	21462	21468	RDLPEGR							Mascot			
850.4893		850.5414	0.0521	61	1620	1626	YVVSARR							Mascot			
856.4999		856.5221	0.0222	26	15948	15955	RANSAPLK							Mascot			
864.4825		864.499	0.0165	19	20943	20949	FEVKDVK							Mascot			
870.5267		870.5363	0.0096	11	1808	1814	QRLAINR							Mascot			
882.4791		882.5657	0.0866	98	14147	14153	KEEHAIR							Mascot			
911.4468		911.3981	-0.0487	-53	5424	5432	YVPSSGSSK							Mascot			

960.4567	960.4761	0.0194	20	23100	23108	VQDTPAACR			Mascot
960.4996	960.4761	-0.0235	-24	15118	15125	LDEILSDR	14	0	Mascot
983.4904	983.5398	0.0494	50	21564	21571	DGHEIERK			Mascot
983.6248	983.5398	-0.085	-86	8241	8248	ILIIQDLR			Mascot
991.4955	991.463	-0.0325	-33	13094	13102	VAAENQFGR			Mascot
996.536	996.5957	0.0597	60	2513	2520	LTITETYSR			Mascot
1002.4713	1002.5165	0.0452	45	5376	5383	MYGITDFR			Mascot
1015.524	1015.5256	0.0016	2	10972	10980	QPLEVAACK		Carbamidomethyl (C)[8]	Mascot
1051.6146	1051.712	0.0974	93	17765	17774	VSEKPLPPGK			Mascot
1077.4769	1077.5089	0.032	30	6453	6461	DEISEEPMK			Mascot
1085.6201	1085.5427	-0.0774	-71	5332	5341	ESGPEVVKLK			Mascot
1088.5371	1088.5459	0.0088	8	24831	24839	YALQYSSTR			Mascot
1094.5112	1094.5358	0.0246	22	1518	1527	NNAEIFSGDK			Mascot
1118.6489	1118.6503	0.0014	1	14623	14632	IIMTELVTA			Mascot
1129.5596	1129.6097	0.0501	44	13593	13603	ASNKVGDEPR	10	0	Mascot
1129.6212	1129.6097	-0.0115	-10	7823	7831	LNIEERDIK			Mascot
1152.583	1152.7451	0.1621	141	19610	19618	QKVTDVCFR		Carbamidomethyl (C)[7]	Mascot
1152.583	1152.7451	0.1621	141	19610	19618	QKVTDVCFR	3	0	Carbamidomethyl (C)[7] Mascot
1165.6324	1165.7454	0.113	97	11960	11968	ITNYTIERR			Mascot
1211.7106	1211.7114	0.0008	1	12384	12394	QNAVNNLVK			Mascot
1257.699	1257.6921	-0.0069	-5	9325	9334	SIFLLWEPPR			Mascot
1274.5933	1274.6094	0.0161	13	18314	18324	STDSYTCLTVK		Carbamidomethyl (C)[7]	Mascot
1279.7256	1279.7507	0.0251	20	6360	6370	EPEIQPTLKK			Mascot
1287.6328	1287.6692	0.0364	28	13852	13861	KPKEADEWER			Mascot
1287.6328	1287.6692	0.0364	28	13852	13861	KPKEADEWER			Mascot
1307.6147	1307.6226	0.0079	6	7357	7367	EVSLDDTCQIK		Carbamidomethyl (C)[8]	Mascot
1325.7358	1325.7559	0.0201	15	12243	12254	EKMVIHAGGVIR		Oxidation (M)[3]	Mascot
1325.7358	1325.7559	0.0201	15	12243	12254	EKMVIHAGGVIR		Oxidation (M)[3]	Mascot
1326.7528	1326.7534	0.0006	0	13844	13854	NLAYHVEKKPK			Mascot
1327.6892	1327.7382	0.049	37	24455	24466	YFLSLENVAGSK			Mascot
1364.6804	1364.6943	0.0139	10	7578	7588	DEARFEIELSR			Mascot
1364.7096	1364.6943	-0.0153	-11	5234	5244	LDNLFFIEEPK			Mascot
1382.7678	1382.7772	0.0094	7	11942	11953	AEQITLSWLPPK			Mascot
1419.7478	1419.7725	0.0247	17	21701	21713	FGLGEALESEIVR			Mascot
1419.7743	1419.7725	-0.0018	-1	23315	23326	LGHNHLELPYK			Mascot
1546.7716	1546.7904	0.0188	12	4305	4318	KICNMESNIGNPVK			Mascot

1627.8789	1627.7954	-0.0835	-51	27711	27725	SLGDLSDEELLPPVK							Mascot
1638.9061	1638.9172	0.0111	7	5355	5368	DIDIVELLRNVDPK							Mascot
1715.9149	1715.9199	0.005	3	24831	24845	YALQYSSTRAMAIK							Mascot
1750.9221	1750.9111	-0.011	-6	1088	1103	FGVDQTSATLIVKDEK							Mascot
1816.8964	1816.9244	0.028	15	12524	12538	DELEPPTIELDFRDK							Mascot
1826.8412	1826.9792	0.138	76	12668	12683	DMWTTVTSTATTHTCK				Oxidation (M)[2]			Mascot
1826.9622	1826.9792	0.017	9	13771	13785	LVKAPLVQCEYFFR							Mascot
1840.944	1840.9486	0.0046	2	10638	10654	IGEVTSSTVALSWHEPK							Mascot
1957.9865	1958.0155	0.029	15	1313	1329	TQEGYYEAITAVELKSR							Mascot
1972.0056	1971.9252	-0.0804	-41	7351	7367	HTLEIKEVSLDDTCQIK							Mascot
2042.095	2042.0739	-0.0211	-10	15691	15708	ELSVLAKDINVLPSCDLR				Carbamidomethyl (C)[15]			Mascot
2191.9998	2192.0576	0.0578	26	18615	18633	AAEEIQEQWTMCTPPTG VK				Carbamidomethyl (C)[12], Oxidation (M)[11]			Mascot
2211.1147	2211.1077	-0.007	-3	22749	22767	VVWSVISEAMESRMVTV QK				Oxidation (M)[10,14]			Mascot
2230.0808	2230.1951	0.1143	51	15841	15860	DSITNMWVTVSSSVVTNS FR							Mascot
2233.0076	2233.0791	0.0715	32	20714	20733	VSAENETGVGECSDLSL FYR				Carbamidomethyl (C)[12]			Mascot
2249.2175	2249.0615	-0.156	-69	7473	7492	DIKVVKPIYGVELFDGETA R							Mascot
2283.0269	2283.1763	0.1494	65	8249	8269	MDDAGEYHCKLPASETT GTLK				Oxidation (M)[1]			Mascot
2284.0583	2284.1758	0.1175	51	16047	16067	ANTVNVIDCAYTVADLQE GCK				Carbamidomethyl (C)[9]			Mascot
2298.1348	2298.1748	0.04	17	10104	10125	DPDSAPTIDVATQDIVVV EGEK							Mascot
2300.1616	2300.1768	0.0152	7	18724	18744	ESAIQETSSSYTSLVIDKV SR							Mascot
2362.1165	2362.1865	0.07	30	25530	25550	VAAANRYGTGEYLQSEV VMCK				Carbamidomethyl (C)[20], Oxidation (M)[19]			Mascot
2395.0911	2395.0928	0.0017	1	5544	5563	QSATFECELSFDNAVVT WYK				Carbamidomethyl (C)[7]			Mascot
2496.2625	2496.28	0.0175	7	22469	22492	VTNICPGMIYEFKVAEN AAGIGK							Mascot
2512.2573	2512.3005	0.0432	17	22469	22492	VTNICPGMIYEFKVAEN AAGIGK				Oxidation (M)[8]			Mascot
2515.2925	2515.2927	0.0002	0	2111	2134	DVTSLLGATASFELSLSH DDIPVK							Mascot
2531.248	2531.248	0	0	2422	2445	LMIQTVRMSDAGEYSVV AGASVSK				Oxidation (M)[2,8]			Mascot
2697.4207	2697.3069	-0.1138	-42	18876	18900	LSVVDVTKTSVSLSWEKP IHDGGSR							Mascot
48	ADP/ATP translocase 2 [Danio rerio]			gi 27545251		32742.1	9.78	9	40	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
856.4998	856.5221	0.0223	26	73	80	GNLANVIR					Mascot	
996.4536	996.5957	0.1421	143	237	244	RMMMQSGR					Mascot	

	1094.5841	1094.5358	-0.0483	-44	44	52	QITADKQYK							Mascot
	1287.6912	1287.6692	-0.022	-17	53	63	GIMDCVVRIPK	Carbamidomethyl (C)[5]						Mascot
	1287.6912	1287.6692	-0.022	-17	53	63	GIMDCVVRIPK	Carbamidomethyl (C)[5]						Mascot
	1327.6497	1327.7382	0.0885	67	50	60	QYKGIMDCVVR	Oxidation (M)[6]						Mascot
	1627.84	1627.7954	-0.0446	-27	281	295	GMGGAFLVLVLYDELK	Oxidation (M)[2]						Mascot
	1715.788	1715.9199	0.1319	77	246	260	GADIMYSGTIDCWRL							Mascot
	1957.9728	1958.0155	0.0427	22	189	206	AAYFGIYDTAKGMLPDPK							Mascot
	2284.2236	2284.1758	-0.0478	-21	73	92	GNLANVIRYFPTQALNFAFK							Mascot
49	PREDICTED: cytohesin-3-like, partial [Danio rerio]					q j326666259	69955.2	8.96	4	39	0	31	79.898	

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
983.5097	983.5398	0.0301	31	354	360 QFLWSFR	31	79.898		Mascot
983.5097	983.5398	0.0301	31	354	360 QFLWSFR				Mascot
1002.5101	1002.5165	0.0064	6	236	243 ELLDDIER				Mascot
1015.6258	1015.5256	-0.1002	-99	116	124 VSNVKVLTR				Mascot
1326.6293	1326.7534	0.1241	94	368	378 IDRMMEAFASR				Mascot

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. % Modification	Rank	Result Type
983.5097	983.5398	0.0301	31	150	156 QFLWSFR	31	79.898	2	Mascot

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	peroxiredoxin-1 [Danio rerio]	gi 61806512	21975.2	6.42	15	760	100	617	100

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
833.4363	833.4318	-0.0045	-5	152	158	SIDETLR	46	99.314			Mascot
833.4363	833.4318	-0.0045	-5	152	158	SIDETLR					Mascot
920.5087	920.5007	-0.008	-9	129	136	GLFIIDDK					Mascot

952.437	952.427	-0.01	-10	121	128	EDEGIAYR					Mascot
1196.631	1196.6222	-0.0088	-7	159	168	LVQAFQFTDK					Mascot
1196.631	1196.6222	-0.0088	-7	159	168	LVQAFQFTDK	77	100			Mascot
1225.6899	1225.6821	-0.0078	-6	141	151	QITINDLPVGR					Mascot
1225.6899	1225.6821	-0.0078	-6	141	151	QITINDLPVGR	98	100			Mascot
1244.6481	1244.6156	-0.0325	-26	182	192	DTIKPDVNQSK					Mascot
1291.61	1291.6036	-0.0064	-5	19	30	AVMPDGGQFGDVR	94	100			Mascot
1291.61	1291.6036	-0.0064	-5	19	30	AVMPDGGQFGDVR					Mascot
1307.6049	1307.5983	-0.0066	-5	19	30	AVMPDGGQFGDVR	66	99.993	Oxidation (M)[3]		Mascot
1307.6049	1307.5983	-0.0066	-5	19	30	AVMPDGGQFGDVR			Oxidation (M)[3]		Mascot
1359.7994	1359.7915	-0.0079	-6	129	140	GLFIIDDKGILR					Mascot
1422.6947	1422.6852	-0.0095	-7	169	181	HGEVCPAGWKPGK			Carbamidomethyl (C)[5]		Mascot
1627.7961	1627.7859	-0.0102	-6	115	128	DYGVLKEDEGIAYR					Mascot
1627.7961	1627.7859	-0.0102	-6	115	128	DYGVLKEDEGIAYR	123	100			Mascot
1737.9316	1737.906	-0.0256	-15	94	110	QGGLGPMNVPLVADTLR					Mascot
1753.9265	1753.917	-0.0095	-5	94	110	QGGLGPMNVPLVADTLR			Oxidation (M)[7]		Mascot
1753.9265	1753.917	-0.0095	-5	94	110	QGGLGPMNVPLVADTLR	102	100	Oxidation (M)[7]		Mascot
1866.0265	1866.0149	-0.0116	-6	93	110	KQGGLGPMNVPLVADTLR					Mascot
1882.0215	1882.0129	-0.0086	-5	93	110	KQGGLGPMNVPLVADTLR			Oxidation (M)[8]		Mascot
1882.0215	1882.0129	-0.0086	-5	93	110	KQGGLGPMNVPLVADTLR	75	100	Oxidation (M)[8]		Mascot
2458.1641	2458.1487	-0.0154	-6	69	89	INCEIIGASVDSHFCHLA WTK			Carbamidomethyl (C)[3,15]		Mascot
2472.2163	2472.1631	-0.0532	-22	68	89	KINCEIIGASVDSHFCHLA WTK					Mascot
2586.259	2586.249	-0.01	-4	68	89	KINCEIIGASVDSHFCHLA WTK			Carbamidomethyl (C)[4,16]		Mascot
2600.3079	2600.2476	-0.0603	-23	159	181	LVQAFQFTDKHGEVCPA GWKPGK			Carbamidomethyl (C)[15]		Mascot

Peptide Information

	1196.631	1196.6222	-0.0088	-7	159	168	LVQAFQFTDK	77	100			Mascot	
	1225.6899	1225.6821	-0.0078	-6	141	151	QITINDLPVGR					Mascot	
	1225.6899	1225.6821	-0.0078	-6	141	151	QITINDLPVGR	98	100			Mascot	
	1244.6481	1244.6156	-0.0325	-26	182	192	DTIKPDVNQSK					Mascot	
	1291.61	1291.6036	-0.0064	-5	19	30	AVMPDGQFGDVR	94	100			Mascot	
	1291.61	1291.6036	-0.0064	-5	19	30	AVMPDGQFGDVR					Mascot	
	1307.6049	1307.5983	-0.0066	-5	19	30	AVMPDGQFGDVR	66	99.993	Oxidation (M)[3]		Mascot	
	1307.6049	1307.5983	-0.0066	-5	19	30	AVMPDGQFGDVR			Oxidation (M)[3]		Mascot	
	1359.7994	1359.7915	-0.0079	-6	129	140	GLFIIDDKGILR					Mascot	
	1422.6947	1422.6852	-0.0095	-7	169	181	HGEVCPAGWKPGK			Carbamidomethyl (C)[5]		Mascot	
	1627.7961	1627.7859	-0.0102	-6	115	128	DYGVLKEDEGIAYR					Mascot	
	1627.7961	1627.7859	-0.0102	-6	115	128	DYGVLKEDEGIAYR	123	100			Mascot	
	1737.9316	1737.906	-0.0256	-15	94	110	QGGLGPMNVPLVADTLR					Mascot	
	1753.9265	1753.917	-0.0095	-5	94	110	QGGLGPMNVPLVADTLR			Oxidation (M)[7]		Mascot	
	1753.9265	1753.917	-0.0095	-5	94	110	QGGLGPMNVPLVADTLR	102	100	Oxidation (M)[7]		Mascot	
	1866.0265	1866.0149	-0.0116	-6	93	110	KQGGLGPMNVPLVADTL R					Mascot	
	1882.0215	1882.0129	-0.0086	-5	93	110	KQGGLGPMNVPLVADTL R			Oxidation (M)[8]		Mascot	
	1882.0215	1882.0129	-0.0086	-5	93	110	KQGGLGPMNVPLVADTL R	75	100	Oxidation (M)[8]		Mascot	
	2458.1641	2458.1487	-0.0154	-6	69	89	INCEIIGASVDSHFCHLA WTK			Carbamidomethyl (C)[3,15]		Mascot	
	2472.2163	2472.1631	-0.0532	-22	68	89	KINCEIIGASVDSHFCHLA WTK					Mascot	
	2586.259	2586.249	-0.01	-4	68	89	KINCEIIGASVDSHFCHLA WTK			Carbamidomethyl (C)[4,16]		Mascot	
	2600.3079	2600.2476	-0.0603	-23	159	181	LVQAFQFTDKHGEVCPA GWKPGK			Carbamidomethyl (C)[15]		Mascot	
3	peroxiredoxin-2 [Danio rerio]				gi 50539996		21837.2	5.93	3	233	100	221	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
952.437	952.427	-0.01	-10	120	127	EDEGIAYR					Mascot
1225.6899	1225.6821	-0.0078	-6	140	150	QITINDLPVGR					Mascot
1225.6899	1225.6821	-0.0078	-6	140	150	QITINDLPVGR	98	100			Mascot
1627.7961	1627.7859	-0.0102	-6	114	127	DYGVLKEDEGIAYR					Mascot
1627.7961	1627.7859	-0.0102	-6	114	127	DYGVLKEDEGIAYR	123	100			Mascot

4	PREDICTED: coagulation factor VIII [Danio rerio]				gi 326673255		189715.5	6.26	22	63	97.87		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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				Seq.	Seq.	Score			
	833.4475	833.4318	-0.0157	-19	564	570	SQSLDKR		Mascot
	833.4475	833.4318	-0.0157	-19	564	570	SQSLDKR		Mascot
	842.4631	842.5048	0.0417	49	1552	1558	ANAWRPK		Mascot
	850.4199	850.5382	0.1183	139	707	713	ERGMSVR	Oxidation (M)[4]	Mascot
	864.4937	864.4883	-0.0054	-6	51	58	KFASGVQK		Mascot
	920.4319	920.5007	0.0688	75	194	201	TDALTEDR		Mascot
	1043.5632	1043.5184	-0.0448	-43	1650	1658	GWVNDIALR		Mascot
	1218.6047	1218.603	-0.0017	-1	742	752	NFPNPRGTMGK		Mascot
	1225.5154	1225.6821	0.1667	136	1145	1155	QGPSASEFDCK	Carbamidomethyl (C)[10]	Mascot
	1225.5154	1225.6821	0.1667	136	1145	1155	QGPSASEFDCK	Carbamidomethyl (C)[10]	Mascot
	1289.6848	1289.5952	-0.0896	-69	910	920	ELWSVGKTNQK		Mascot
	1307.6299	1307.5983	-0.0316	-24	763	774	NRTVTDSGSNTR	3 0	Mascot
	1307.6299	1307.5983	-0.0316	-24	763	774	NRTVTDSGSNTR		Mascot
	1313.7535	1313.5842	-0.1693	-129	452	463	TTGRTLIGPELR		Mascot
	1422.6166	1422.6852	0.0686	48	924	936	AMSDNEVEDSGR		Mascot
	1438.6115	1438.6874	0.0759	53	924	936	AMSDNEVEDSGR	Oxidation (M)[2]	Mascot
	1707.9025	1707.8699	-0.0326	-19	1519	1534	RSIPNSSISASSFLNK		Mascot
	1707.9064	1707.8699	-0.0365	-21	1240	1255	FAAINGYVSETLPGLR		Mascot
	1720.8978	1720.8965	-0.0013	-1	508	522	SLAVPPGEIMTYLWK	Oxidation (M)[10]	Mascot
	1729.7222	1729.8479	0.1257	73	958	973	YSEMGLEPASNSSDDK		Mascot
	1735.9517	1735.9041	-0.0476	-27	205	219	VPEFILLLSVFDESK		Mascot
	2224.9373	2225.1084	0.1711	77	958	977	YSEMGLEPASNSSDDKM YGK	Oxidation (M)[4]	Mascot
	2233.1216	2233.0732	-0.0484	-22	1334	1352	AKLLVYNPQCNPIGMQ SR	Carbamidomethyl (C)[10], Oxidation (M)[16]	Mascot
	2586.396	2586.249	-0.147	-57	540	563	IYQSTLDPARDVASGLVG PLIICK	Carbamidomethyl (C)[23]	Mascot
	3337.5356	3337.751	0.2154	65	1413	1440	TSMGLSEFFTILYSISYSN DQENWSVYR		Mascot
	3338.4753	3338.7383	0.263	79	355	383	HTNDDEEDEDNMFVS VFKQGGPISVLR	Oxidation (M)[14]	Mascot
5	hypothetical protein LOC562814 [Danio rerio]				gi 148222512	52400.1	6.42	12	49 47.716

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank Result Type
864.4825	864.4883	0.0058	7	153	159	IKAEFEK		Mascot
924.4495	924.3996	-0.0499	-54	98	104	LFCLIEDK	Carbamidomethyl (C)[3]	Mascot
1165.6285	1165.738	0.1095	94	96	104	LKLFCLIEDK	Carbamidomethyl (C)[5]	Mascot

	1247.6115	1247.6447	0.0332	27	188	198	DEEEATITALR							Mascot
	1291.6245	1291.6036	-0.0209	-16	45	54	TTLECPVCRR					Carbamidomethyl (C)[5,8]		Mascot
	1291.6245	1291.6036	-0.0209	-16	45	54	TTLECPVCRR					Carbamidomethyl (C)[5,8]		Mascot
	1307.6447	1307.5983	-0.0464	-35	43	53	TKTTLECPVCR	8	0			Carbamidomethyl (C)[10]		Mascot
	1307.6447	1307.5983	-0.0464	-35	43	53	TKTTLECPVCR					Carbamidomethyl (C)[7]		Mascot
	1329.7161	1329.5754	-0.1407	-106	155	165	AEFEKTVQHIK							Mascot
	1422.741	1422.6852	-0.0558	-39	55	67	LSSHDPNCLVLK							Mascot
	1735.7738	1735.9041	0.1303	75	395	408	QDLECVRVLDLDCDR					Carbamidomethyl (C)[5]		Mascot
	1865.8381	1866.0149	0.1768	95	105	121	QPACVVCATSQQHDNHK							Mascot
	2019.9353	2020.0632	0.1279	63	188	204	DEEEATITALREEEEQK							Mascot
	2210.9805	2211.0928	0.1123	51	78	95	NERCSSFVEEICSLHSEK					Carbamidomethyl (C)[4,12]		Mascot
6	Igfbp2b protein [Danio rerio]				gi 41351181		30714.9	6.59	11	48	35.677			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.3824	842.5048	0.1224	145	227	233	MSVNGYR			Oxidation (M)[1]		Mascot
1242.5718	1242.5426	-0.0292	-23	224	233	QCKMSVNGYR			Carbamidomethyl (C)[2]		Mascot
1244.5753	1244.6156	0.0403	32	106	117	VDTEPSGSAEPR					Mascot
1422.5381	1422.6852	0.1471	103	52	63	EPGCGCCPVCAR			Carbamidomethyl (C)[4,6,7,10]		Mascot
1436.7969	1436.6986	-0.0983	-68	148	159	ESAVLQHRQQLK					Mascot
1729.7455	1729.8479	0.1024	59	22	35	SEMVFRCPSCTAER			Carbamidomethyl (C)[7,10]		Mascot
1737.7969	1737.906	0.1091	63	36	51	QAACPMLTETCGEIVR			Oxidation (M)[6]		Mascot
2284.2004	2284.1594	-0.041	-18	82	101	CYPKPDSELPLELLVQGLGR			Carbamidomethyl (C)[1]		Mascot
2300.0977	2300.1614	0.0637	28	198	216	DNRTPLEDLYSLHIPNCDK			Carbamidomethyl (C)[17]		Mascot
2367.1155	2367.1467	0.0312	13	234	254	GECWCVNPHGTGRPMPT			Oxidation (M)[14]		Mascot
2600.3323	2600.2476	-0.0847	-33	82	104	CYPKPDSELPLELLVQGLGRCGR			Carbamidomethyl (C)[1]		Mascot

7 PREDICTED: zinc finger protein 462-like [Danio rerio] gi|326677484 268652 6.82 28 47 19.022

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
833.361	833.4318	0.0708	85	1583	1588	YFCSTR			Carbamidomethyl (C)[3]		Mascot
833.361	833.4318	0.0708	85	1583	1588	YFCSTR			Carbamidomethyl (C)[3]		Mascot
842.473	842.5048	0.0318	38	1340	1346	QLPQQTK					Mascot
850.4417	850.5382	0.0965	113	2262	2268	NYELVGR					Mascot

920.418	920.5007	0.0827	90	670	677	DRDSSNAR							Mascot
952.4742	952.427	-0.0472	-50	1960	1966	CKLCPEFK						Carbamidomethyl (C)[1,4]	Mascot
1043.5745	1043.5184	-0.0561	-54	1627	1635	GLAAHYQKR							Mascot
1045.4884	1045.5547	0.0663	63	1492	1500	QGYGAYRCK							Mascot
1218.6953	1218.603	-0.0923	-76	2259	2268	VIRNYELVGR							Mascot
1225.5492	1225.6821	0.1329	108	2162	2170	CPFCLYHTK						Carbamidomethyl (C)[1,4]	Mascot
1225.5492	1225.6821	0.1329	108	2162	2170	CPFCLYHTK						Carbamidomethyl (C)[1,4]	Mascot
1242.4878	1242.5426	0.0548	44	2	12	EGLQCDGCDFR							Mascot
1244.6481	1244.6156	-0.0325	-26	626	636	IDEIANNLQSK							Mascot
1291.5782	1291.6036	0.0254	20	1438	1447	CRHCPYVNSR						Carbamidomethyl (C)[1]	Mascot
1291.6501	1291.6036	-0.0465	-36	777	787	SARSVSTHYQR							Mascot
1307.6888	1307.5983	-0.0905	-69	2173	2183	SSMIDHIVLHR							Mascot
1307.6888	1307.5983	-0.0905	-69	2173	2183	SSMIDHIVLHR							Mascot
1323.6838	1323.589	-0.0948	-72	2173	2183	SSMIDHIVLHR						Oxidation (M)[3]	Mascot
1329.6542	1329.5754	-0.0788	-59	532	543	CSLCNFSTITLK							Mascot
1359.6262	1359.7915	0.1653	122	1519	1529	YHNQPAAHMFK						Oxidation (M)[9]	Mascot
1497.6534	1497.715	0.0616	41	460	472	CDSCPFLCTNPLK						Carbamidomethyl (C)[1]	Mascot
1582.7972	1582.7434	-0.0538	-34	117	129	YFRSSSLLSEHTR							Mascot
1627.8182	1627.7859	-0.0323	-20	1989	2003	CVSCVFSAVSISQLK						Carbamidomethyl (C)[1]	Mascot
1627.8182	1627.7859	-0.0323	-20	1989	2003	CVSCVFSAVSISQLK						Carbamidomethyl (C)[1]	Mascot
1689.7334	1689.924	0.1906	113	427	439	FQCPFCFLTMHR						Carbamidomethyl (C)[3], Oxidation (M)[11]	Mascot
1707.7432	1707.8699	0.1267	74	1259	1272	HPEHNVDYTYMASK						Oxidation (M)[11]	Mascot
1707.7795	1707.8699	0.0904	53	1636	1650	HDIDAYYTHCLAASK							Mascot
1737.8701	1737.906	0.0359	21	2173	2186	SSMIDHIVLHREER						Oxidation (M)[3]	Mascot
1769.9037	1769.9021	-0.0016	-1	532	546	CSLCNFSTITLKGLR						Carbamidomethyl (C)[1,4]	Mascot
1863.8806	1863.9814	0.1008	54	1635	1650	RHDIDAYYTHCLAASK							Mascot
2472.2034	2472.1631	-0.0403	-16	342	364	IPNSTGSSILSERSTFAMS DISR						Oxidation (M)[18]	Mascot
3337.5085	3337.751	0.2425	73	1540	1569	DDLVAECSTSSQPEVPE VCDYNVPISEVAK						Carbamidomethyl (C)[7,19]	Mascot
3338.6619	3338.7383	0.0764	23	1989	2018	CVSCVFSAVSISQLKEHS LQEHGETLTLLHR							Mascot

8

PREDICTED: protein QN1 homolog [Danio rerio]

gi|68385147

155728.8

5.89

8

47

19.022

37

94.211

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification		Rank Result Type
833.4363	833.4318	-0.0045	-5	416	422 SISEEIR	37	94.211		Mascot
833.4363	833.4318	-0.0045	-5	416	422 SISEEIR				Mascot

9	RecName: Full=Acyl-CoA synthetase family member 2, mitochondrial; Flags: Precursor	gjl123914455	67470.3	8.42	13	45	0
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5458	842.5048	-0.041	-49	5	11	ILLTNLR					Mascot
850.4451	850.5382	0.0931	109	470	476	TRECITK					Mascot
864.4243	864.4883	0.064	74	472	478	ECITKDR					Mascot
1218.5969	1218.603	0.0061	5	164	174	VQCNAAVVCPTK			Carbamidomethyl (C)[3]		Mascot
1289.6704	1289.5952	-0.0752	-58	163	174	KVQCNAVVCPTK					Mascot
1291.7402	1291.6036	-0.1366	-106	1	11	MSSKILLTNLR			Oxidation (M)[1]		Mascot
1291.7402	1291.6036	-0.1366	-106	1	11	MSSKILLTNLR			Oxidation (M)[1]		Mascot
1436.7388	1436.6986	-0.0402	-28	164	176	VQCNAAVVCPTKFK					Mascot
1454.7672	1454.6755	-0.0917	-63	421	434	IVTVGCISPHEAK					Mascot
1582.8621	1582.7434	-0.1187	-75	420	434	KIVTVGCISPHEAK					Mascot
1729.7771	1729.8479	0.0708	41	551	565	EGQECTVEEIKAYCK					Mascot
1865.772	1866.0149	0.2429	130	456	469	GYCVMLEYWQDEEK			Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot
2211.1689	2211.0928	-0.0761	-34	435	455	VDPPTTGEIVPLGAQGEL MIR			Oxidation (M)[19]		Mascot
2480.1545	2480.126	-0.0285	-11	341	362	CTFVYGTPMTYIDMLGQP DLAK			Oxidation (M)[10]		Mascot

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
833.4297	833.4318	0.0021	3	3753	3759	CISANLR	9	0	Carbamidomethyl (C)[1]		Mascot
833.4297	833.4318	0.0021	3	3753	3759	CISANLR			Carbamidomethyl (C)[1]		Mascot
842.4114	842.5048	0.0934	111	2312	2318	HTVDQSR					Mascot
864.4937	864.4883	-0.0054	-6	2015	2022	AIAVHPEK					Mascot

		882.4355	882.5599	0.1244	141	4064	4070	LYWADSK							Mascot
		920.4869	920.5007	0.0138	15	4358	4365	LQTGITCK					Carbamidomethyl (C)[7]		Mascot
		1043.4615	1043.5184	0.0569	55	3538	3545	TCEPYQFR							Mascot
		1045.5272	1045.5547	0.0275	26	2082	2090	INLETGENR							Mascot
		1242.5605	1242.5426	-0.0179	-14	1223	1232	TCQIQSFCAK					Carbamidomethyl (C)[2,8]		Mascot
		1244.5333	1244.6156	0.0823	66	2559	2568	QAYCANRMCK					Carbamidomethyl (C)[4]		Mascot
		1247.5144	1247.6447	0.1303	104	4150	4159	QPEMTNPCDR					Carbamidomethyl (C)[8]		Mascot
		1307.5354	1307.5983	0.0629	48	101	112	LCDGVPDCTDGR	24	0			Carbamidomethyl (C)[2]		Mascot
		1307.5354	1307.5983	0.0629	48	101	112	LCDGVPDCTDGR					Carbamidomethyl (C)[2]		Mascot
		1313.5323	1313.5842	0.0519	40	2709	2718	CIPMSWTC DK					Carbamidomethyl (C)[1,8], Oxidation (M)[4]		Mascot
		1329.6104	1329.5754	-0.035	-26	515	527	SGFSLGSDGKSKC					Carbamidomethyl (C)[12]		Mascot
		1436.6409	1436.6986	0.0577	40	3831	3843	QFGVCSHVCNNTK							Mascot
		1438.7406	1438.6874	-0.0532	-37	3423	3435	CSHPSRCIPGILR							Mascot
		1497.6461	1497.715	0.0689	46	4148	4159	YKQPEMTNPCDR					Oxidation (M)[6]		Mascot
		1707.8734	1707.8699	-0.0035	-2	688	703	KAWMDGSNAGILLTSK					Oxidation (M)[4]		Mascot
		1707.8734	1707.8699	-0.0035	-2	688	703	KAWMDGSNAGILLTSK					Oxidation (M)[4]		Mascot
		1720.8105	1720.8965	0.086	50	813	829	ANNGGCSSLCLLTPTGR					Carbamidomethyl (C)[6]		Mascot
		1729.8867	1729.8479	-0.0388	-22	2279	2294	TIVDNVGSVEGLAYHR							Mascot
		1863.9176	1863.9814	0.0638	34	760	774	NFLFWNEYRGGGIYK							Mascot
		1881.8105	1882.0129	0.2024	108	2803	2820	DCPDGGDEGLKAGCVFN K					Carbamidomethyl (C)[2]		Mascot
		1881.8105	1882.0129	0.2024	108	2803	2820	DCPDGGDEGLKAGCVFN K					Carbamidomethyl (C)[2]		Mascot
		2299.8979	2300.1614	0.2635	115	2879	2897	NWACDGEFD CRDQSDE APK					Carbamidomethyl (C)[4, 10]		Mascot
		2367.1658	2367.1467	-0.0191	-8	3657	3676	VCLLQEFQCNNTLCKPLS WK							Mascot
		2458.1125	2458.1487	0.0362	15	1884	1905	SGQQSC EGMGSFLLYSV HEGIR					Carbamidomethyl (C)[6], Oxidation (M)[9]		Mascot
		3337.2886	3337.751	0.4624	139	875	903	WKCDGDNDCLDNSDET P DL CNQH T C P A D R					Carbamidomethyl (C)[3]		Mascot
11	WD repeat-containing protein mio [Danio rerio]					q 41152065	98118.4	7.47	15	44	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4451	850.5382	0.0931	109	392	398	DIATKMR			Oxidation (M)[6]		Mascot
1043.5381	1043.5184	-0.0197	-19	716	723	RAEFDIHR					Mascot
1307.681	1307.5983	-0.0827	-63	577	587	EMCSSLRLQLK					Mascot
1307.681	1307.5983	-0.0827	-63	577	587	EMCSSLRLQLK					Mascot
1323.6759	1323.589	-0.0869	-66	577	587	EMCSSLRLQLK			Oxidation (M)[2]		Mascot
1329.7161	1329.5754	-0.1407	-106	152	163	FSPEAVPAEKVR					Mascot

	1436.5603	1436.6986	0.1383	96	848	860	DHSECPVSACTCK								Carbamidomethyl (C)[5]	Mascot
	1497.6937	1497.715	0.0213	14	572	583	NSLWREMCSSLR								Oxidation (M)[7]	Mascot
	1582.7972	1582.7434	-0.0538	-34	227	240	AIQGVTVDPHFQDR									Mascot
	1689.9316	1689.924	-0.0076	-4	281	295	MGLLATLTRDSNIIR								Oxidation (M)[1]	Mascot
	1736.783	1736.8921	0.1091	63	861	876	CMQLDTTGNLVPDSVS								Carbamidomethyl (C)[1]	Mascot
	1753.8907	1753.917	0.0263	15	241	255	VASYFEGQVAIWDLR									Mascot
	1753.8907	1753.917	0.0263	15	241	255	VASYFEGQVAIWDLR	3		0						Mascot
	1881.9857	1882.0129	0.0272	14	241	256	VASYFEGQVAIWDLRK									Mascot
	1881.9857	1882.0129	0.0272	14	241	256	VASYFEGQVAIWDLRK									Mascot
	2225.094	2225.1084	0.0144	6	672	692	TGDVQTASFCMLKGSPG EVLK								Carbamidomethyl (C)[10]	Mascot
	2458.1567	2458.1487	-0.008	-3	318	339	GVQPCSESISSFAWHPS AQNR								Carbamidomethyl (C)[5]	Mascot
	2480.196	2480.126	-0.07	-28	66	87	CVAWYPKHEPECLLAGV HTNGR									Mascot
	2600.1282	2600.2476	0.1194	46	788	811	CALCLMNMGTPVSSCPG TGKADEK								Carbamidomethyl (C)[1,4,15], Oxidation (M)[6]	Mascot
12	novel protein similar to vertebrate peroxiredoxin 3 (PRDX3) [Danio rerio]					gi 157885981	30321	9.41	3	43	0	34	87.876			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
833.4363	833.4318	-0.0045	-5	234	240	SVEETLR	34	87.876				Mascot	
833.4363	833.4318	-0.0045	-5	234	240	SVEETLR						Mascot	
1313.7576	1313.5842	-0.1734	-132	211	222	GLFIIDPNGIVR						Mascot	
1359.709	1359.7915	0.0825	61	2	12	RLYVSSTFMQK						Mascot	

13 SH3 domain-binding protein 4-A [Danio rerio] gi|45387913 104947.5 7.73 15 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
842.5822	842.5048	-0.0774	-92	634	640	LIKTVIR						Mascot	
850.4338	850.5382	0.1044	123	358	364	LSNMEIK				Oxidation (M)[4]		Mascot	
1045.4796	1045.5547	0.0751	72	762	770	AELDSEPER						Mascot	
1218.6398	1218.603	-0.0368	-30	347	357	CSTVSPVVEIK				Carbamidomethyl (C)[1]		Mascot	
1323.6283	1323.589	-0.0393	-30	778	788	LKEDCLNMETK						Mascot	
1359.6111	1359.7915	0.1804	133	843	853	QQMEAYEAPHR						Mascot	
1438.7797	1438.6874	-0.0923	-64	792	803	SFQKELMMALLK						Mascot	
1454.7745	1454.6755	-0.099	-68	792	803	SFQKELMMALLK				Oxidation (M)[7]		Mascot	

	1720.8037	1720.8965	0.0928	54	247	260	APSPEQFQNREDFR									Mascot
	1881.8503	1882.0129	0.1626	86	379	394	TESPMAEIVCVRS DCK						Carbamidomethyl (C)[10,15]			Mascot
	1881.8503	1882.0129	0.1626	86	379	394	TESPMAEIVCVRS DCK						Carbamidomethyl (C)[10,15]			Mascot
	1904.0166	1903.9933	-0.0233	-12	796	812	ELMMALLKIDCQGLVAR									Mascot
	2019.9963	2020.0632	0.0669	33	668	683	GQLWTKEWYIGYYQGK									Mascot
	2284.2368	2284.1594	-0.0774	-34	463	484	TVVAIFGHDCAPKTL LVS EVGK									Mascot
	2300.0686	2300.1614	0.0928	40	568	587	DDQDCILAQFCVQTPQP PPK						Carbamidomethyl (C)[5]			Mascot
	3337.6052	3337.751	0.1458	44	269	298	LARSCHDLESLGQNP GW GQTQPVETNIVCK						Carbamidomethyl (C)[5]			Mascot
	3338.5496	3338.7383	0.1887	57	856	884	TGMVDSEAMWKPAYDF L LTWAAQIGDSYR						Oxidation (M)[3]			Mascot

14 PREDICTED: GTPase IMAP family member 4-like [Danio rerio] gi|326665932 30887 9.23 2 40 0 34 88.555

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
833.4363	833.4318	-0.0045	-5	2	8	TVSEELR	34	88.555				Mascot
833.4363	833.4318	-0.0045	-5	2	8	TVSEELR						Mascot
1043.6095	1043.5184	-0.0911	-87	183	192	VETLVAIN GK						Mascot

15 Prdx3 protein [Danio rerio] gi|60688276 26849.1 8.89 2 40 0 34 87.876

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
833.4363	833.4318	-0.0045	-5	203	209	SVEETLR	34	87.876				Mascot
833.4363	833.4318	-0.0045	-5	203	209	SVEETLR						Mascot
1313.7576	1313.5842	-0.1734	-132	180	191	GLFIIDPNGIVR						Mascot

16 PREDICTED: primary ciliary dyskinesia protein 1 [Danio rerio] gi|292609517 93496 9.18 9 40 0 7 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
833.4628	833.4318	-0.031	-37	459	465	LFQQAAR						Mascot
833.4879	833.4318	-0.0561	-67	219	225	VTFTPLR	16	0				Mascot
1043.552	1043.5184	-0.0336	-32	282	290	YPTLTSHPK						Mascot
1291.6497	1291.6036	-0.0461	-36	327	336	MLLQPQDKMR				Oxidation (M)[1,9]		Mascot
1291.6497	1291.6036	-0.0461	-36	327	336	MLLQPQDKMR				Oxidation (M)[1,9]		Mascot

	1323.6726	1323.589	-0.0836	-63	536	547	HVPAKTPEADMK										Mascot
	1436.8108	1436.6986	-0.1122	-78	32	44	TIATVPNHLETK										Mascot
	1720.7732	1720.8965	0.1233	72	487	501	TRSQQGNESDLDEK										Mascot
	1736.9615	1736.8921	-0.0694	-40	713	728	FPSMALKSLSNISTLK										Mascot
	1737.8364	1737.906	0.0696	40	770	784	LTPEMVEAEFSLSER										Mascot
	1753.8313	1753.917	0.0857	49	770	784	LTPEMVEAEFSLSER						Oxidation (M)[5]				Mascot
	1753.8313	1753.917	0.0857	49	770	784	LTPEMVEAEFSLSER	7					0	Oxidation (M)[5]			Mascot
17	insulin-like growth factor-binding protein 2-A precursor [Danio rerio] gi 18858891 30743.9 6.59 10 40 0																

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.3824	842.5048	0.1224	145	227	233	MSVNGYR			Oxidation (M)[1]		Mascot
1242.5718	1242.5426	-0.0292	-23	224	233	QCKMSVNGYR			Carbamidomethyl (C)[2]		Mascot
1422.5381	1422.6852	0.1471	103	52	63	EPGCGCCPVCAR			Carbamidomethyl (C)[4,6,7,10]		Mascot
1436.7969	1436.6986	-0.0983	-68	148	159	ESAVLQHRQQLK					Mascot
1729.7455	1729.8479	0.1024	59	22	35	SEMVFRCPSCTAER			Carbamidomethyl (C)[7,10]		Mascot
1737.7969	1737.906	0.1091	63	36	51	QAACPMLTETCGEIVR			Oxidation (M)[6]		Mascot
2284.2004	2284.1594	-0.041	-18	82	101	CYPKPDSELPLELLVQGLGR			Carbamidomethyl (C)[1]		Mascot
2300.0977	2300.1614	0.0637	28	198	216	DNRTPLEDLYSLHIPNCDK			Carbamidomethyl (C)[17]		Mascot
2367.1155	2367.1467	0.0312	13	234	254	GECWCVNPHTRPMPPT SPLIR			Oxidation (M)[14]		Mascot
2600.3323	2600.2476	-0.0847	-33	82	104	CYPKPDSELPLELLVQGLGRCGR			Carbamidomethyl (C)[1]		Mascot

18 PREDICTED: histone acetyltransferase KAT2A [Danio rerio] gi|189516875 90565.6 9.09 12 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.476	864.4883	0.0123	14	517	524	VIGGICFR					Mascot
1208.6997	1208.656	-0.0437	-36	660	670	QIPVESIPGIR					Mascot
1208.6997	1208.656	-0.0437	-36	660	670	QIPVESIPGIR					Mascot
1225.7416	1225.6821	-0.0595	-49	309	318	RTLILTHFPK					Mascot
1225.7416	1225.6821	-0.0595	-49	309	318	RTLILTHFPK	5		0		Mascot
1313.7463	1313.5842	-0.1621	-123	617	627	IPYTELSHIK					Mascot
1323.5569	1323.589	0.0321	24	74	84	ANDACKCNGWK			Carbamidomethyl (C)[5,7]		Mascot
1329.6216	1329.5754	-0.0462	-35	1	13	MADPAAQSSAQPR					Mascot

	1582.7543	1582.7434	-0.0109	-7	80	93	CNGWKNPNPPTAAR						Carbamidomethyl (C)[1]	Mascot
	1649.9332	1649.7684	-0.1648	-100	656	670	EGVRQIPVESIPGIR							Mascot
	1720.8318	1720.8965	0.0647	38	408	422	VMGDIPMELVNEVMK						Oxidation (M)[2]	Mascot
	1736.8268	1736.8921	0.0653	38	408	422	VMGDIPMELVNEVMK						Oxidation (M)[2,7]	Mascot
	2233.1194	2233.0732	-0.0462	-21	368	391	GSSASALGVTGLDVASS EPTIGEK							Mascot
	2284.1323	2284.1594	0.0271	12	563	581	HGILYFLTYADEYAIGYFK							Mascot
	3337.6416	3337.751	0.1094	33	517	546	VIGGICFRMFPTQGFTEIV FCAVTSNEQVK						Oxidation (M)[9]	Mascot
19	52 kDa repressor of the inhibitor of the protein kinase [Danio rerio]						gi 50540428	85891.2	5.47	13	39	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
920.52	920.5007	-0.0193	-21	152	158	DLREFLK					Mascot
1045.6252	1045.5547	-0.0705	-67	337	345	VITSQLKEK					Mascot
1196.6462	1196.6222	-0.024	-20	668	677	FFPNVNAFLK					Mascot
1196.6462	1196.6222	-0.024	-20	668	677	FFPNVNAFLK					Mascot
1289.7059	1289.5952	-0.1107	-86	118	128	RLESSIEQLSK					Mascot
1307.5619	1307.5983	0.0364	28	2	12	PNFCAAPNCTR			Carbamidomethyl (C)[4,9]		Mascot
1307.5619	1307.5983	0.0364	28	2	12	PNFCAAPNCTR			Carbamidomethyl (C)[4,9]		Mascot
1436.7058	1436.6986	-0.0072	-5	599	611	CLSLVPAVMGQMR			Oxidation (M)[9,12]		Mascot
1438.6024	1438.6874	0.085	59	1	12	MPNFCAAPNCTR			Carbamidomethyl (C)[5,10]		Mascot
1454.5973	1454.6755	0.0782	54	1	12	MPNFCAAPNCTR			Carbamidomethyl (C)[5,10], Oxidation (M)[1]		Mascot
1497.7729	1497.715	-0.0579	-39	322	336	GQAYAGSGILGTKMK			Oxidation (M)[14]		Mascot
1582.6923	1582.7434	0.0511	32	1	13	MPNFCAAPNCTRK			Carbamidomethyl (C)[5,10], Oxidation (M)[1]		Mascot
1627.7819	1627.7859	0.004	2	726	738	TDLEEMVQCYLKR					Mascot
1627.7819	1627.7859	0.004	2	726	738	TDLEEMVQCYLKR					Mascot
1736.8247	1736.8921	0.0674	39	61	74	HFEPAMICKTSPYR			Carbamidomethyl (C)[8]		Mascot
1753.8901	1753.917	0.0269	15	699	713	LQAYLTDTAVSQRCK			Carbamidomethyl (C)[14]		Mascot
1753.8901	1753.917	0.0269	15	699	713	LQAYLTDTAVSQRCK			Carbamidomethyl (C)[14]		Mascot
1881.9229	1882.0129	0.09	48	555	570	QQTPTDIEIQAESFFK					Mascot
1881.9229	1882.0129	0.09	48	555	570	QQTPTDIEIQAESFFK	3		0		Mascot

20 B-cell CLL/lymphoma 6a, genome duplicate b [Danio rerio]

gi|153791185 63627.1 8.78 11 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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		924.3913	924.3996	0.0083	9	2	10	SCAADGCIK		Carbamidomethyl (C)[2]	Mascot	
		952.4702	952.427	-0.0432	-45	129	136	GLCMKQTR		Oxidation (M)[4]	Mascot	
		1043.4437	1043.5184	0.0747	72	414	421	CQAMFHYK		Oxidation (M)[4]	Mascot	
		1242.5969	1242.5426	-0.0543	-44	124	133	FIDSRGLCMK		Carbamidomethyl (C)[8], Oxidation (M)[9]	Mascot	
		1247.6525	1247.6447	-0.0078	-6	134	143	QTRTEMLVNR			Mascot	
		1289.6385	1289.5952	-0.0433	-34	14	24	HAGDVLNFNR			Mascot	
		1422.6278	1422.6852	0.0574	40	349	360	GQDNRSTDECIK		Carbamidomethyl (C)[10]	Mascot	
		1735.8367	1735.9041	0.0674	39	468	482	CETCSSRFVQVAHLR			Mascot	
		1863.8629	1863.9814	0.1185	64	414	429	CQAMFHYKGNPLSSHK		Oxidation (M)[4]	Mascot	
		1881.8582	1882.0129	0.1547	82	459	474	IHSGEKPYKCETCSSR		Carbamidomethyl (C)[10]	Mascot	
		1881.8582	1882.0129	0.1547	82	459	474	IHSGEKPYKCETCSSR		Carbamidomethyl (C)[10]	Mascot	
		2020.0206	2020.0632	0.0426	21	209	227	TTVIAHQHSLPESGTSA R			Mascot	
21	novel protein [Danio rerio]						gj 169146661	90814.1	9.64	15	39	0
	Peptide Information											
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
		952.5574	952.427	-0.1304	-137	140	148	GLNIHSLAK				Mascot
		996.4719	996.592	0.1201	121	619	625	YWICQAR			Carbamidomethyl (C)[4]	Mascot
		1045.5272	1045.5547	0.0275	26	665	674	QSQQGSPVSK				Mascot
		1165.6073	1165.738	0.1307	112	351	360	IQSHNPVTNR				Mascot
		1196.6013	1196.6222	0.0209	17	340	350	DVSCMITKATK				Mascot
		1196.6013	1196.6222	0.0209	17	340	350	DVSCMITKATK				Mascot
		1242.6549	1242.5426	-0.1123	-90	395	405	INQKPNSATNR				Mascot
		1244.6593	1244.6156	-0.0437	-35	522	531	LTEAQEERLR				Mascot
		1313.692	1313.5842	-0.1078	-82	451	463	ASNAAASTKLHSR				Mascot
		1329.6467	1329.5754	-0.0713	-54	467	478	SCVLPQTTSEHK				Mascot
		1707.8044	1707.8699	0.0655	38	726	741	SQQGAEPGQVDGHEIR				Mascot
		1707.8044	1707.8699	0.0655	38	726	741	SQQGAEPGQVDGHEIR				Mascot
		1736.0177	1735.9041	-0.1136	-65	88	103	GKPVTNKPAVNNQKIK				Mascot
		1736.8411	1736.8921	0.051	29	806	820	DCVQVKLVYPEEVES				Mascot
		1863.9055	1863.9814	0.0759	41	725	741	RSQQGAEPGQVDGHEIR				Mascot
		2020.0531	2020.0632	0.0101	5	217	235	SQKSSLVSICGPSHSVYI K				Mascot
		2367.1211	2367.1467	0.0256	11	786	805	DDSQPQSSPLYVYRENE ALR				Mascot
22	novel protein similar to vertebrate ankyrin 2, neuronal (ANK2, zgc:101738) [Danio rerio]						gj 123231889	388387.3	5.76	26	39	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
833.3934	833.4318	0.0384	46	479	486	NGAMVDAR	6	0			Mascot
833.3934	833.4318	0.0384	46	479	486	NGAMVDAR					Mascot
842.4954	842.5048	0.0094	11	17	24	LNGLGGRR					Mascot
864.5011	864.4883	-0.0128	-15	737	743	MVNFLK					Mascot
920.4618	920.5007	0.0389	42	2305	2311	CDLTQRK			Carbamidomethyl (C)[1]		Mascot
924.4243	924.3996	-0.0247	-27	2459	2465	FNQECVK			Carbamidomethyl (C)[5]		Mascot
952.4709	952.427	-0.0439	-46	1276	1282	FWLIDCR					Mascot
1043.5051	1043.5184	0.0133	13	1883	1890	SHVCKQER			Carbamidomethyl (C)[4]		Mascot
1083.5428	1083.5464	0.0036	3	1738	1746	VEEEQKGHK					Mascot
1196.5001	1196.6222	0.1221	102	2602	2611	AETDSWNSMR					Mascot
1196.5001	1196.6222	0.1221	102	2602	2611	AETDSWNSMR					Mascot
1218.6113	1218.603	-0.0083	-7	3386	3395	FEEEPVGGRK					Mascot
1225.5365	1225.6821	0.1456	119	1546	1556	SGTCEKEESAK			Carbamidomethyl (C)[4]		Mascot
1225.5365	1225.6821	0.1456	119	1546	1556	SGTCEKEESAK			Carbamidomethyl (C)[4]		Mascot
1244.5874	1244.6156	0.0282	23	2049	2058	SESMCIPHRK			Carbamidomethyl (C)[5]		Mascot
1247.6776	1247.6447	-0.0329	-26	3399	3409	VVKTMVVQGDR			Oxidation (M)[5]		Mascot
1307.626	1307.5983	-0.0277	-21	3149	3160	EGKNASENSLMK					Mascot
1307.626	1307.5983	-0.0277	-21	3149	3160	EGKNASENSLMK					Mascot
1313.677	1313.5842	-0.0928	-71	2014	2025	VSVSFAEMKTK					Mascot
1323.6208	1323.589	-0.0318	-24	3149	3160	EGKNASENSLMK			Oxidation (M)[11]		Mascot
1329.6719	1329.5754	-0.0965	-73	2014	2025	VSVSFAEMKTK			Oxidation (M)[9]		Mascot
1436.7413	1436.6986	-0.0427	-30	3152	3164	NASENSLMKTLTK					Mascot
1438.692	1438.6874	-0.0046	-3	881	893	FSLEGGRSDSLDR					Mascot
1454.6832	1454.6755	-0.0077	-5	2325	2336	IKTFDEMEQDAK					Mascot
1582.8409	1582.7434	-0.0975	-62	3052	3064	MPFPEDPLVIRPR			Oxidation (M)[1]		Mascot
1649.7653	1649.7684	0.0031	2	2370	2384	HETSSVDDVGFIK					Mascot
1903.9681	1903.9933	0.0252	13	3410	3427	MEKLIGDPSLSSDLPSAK			Oxidation (M)[1]		Mascot
2233.1824	2233.0732	-0.1092	-49	533	554	EGHLDVTTVLLEAGAAHS LATK					Mascot
2283.1211	2283.167	0.0459	20	204	224	DDTKSAALLLQNDHNAD VQSK					Mascot
2367.186	2367.1467	-0.0393	-17	634	654	NQMEIATTLQYGAETNI QTK					Mascot
2458.2573	2458.1487	-0.1086	-44	2026	2048	IEQASEATVHPALSKAV DEPTK					Mascot
2472.2539	2472.1631	-0.0908	-37	1472	1494	DSPALASPDLLSDVSEMK QDLIK					Mascot

23 RecName: Full=SH3 domain-binding protein 4-A gi|123888628 108383 7.89 15 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
842.5822	842.5048	-0.0774	-92	663	669 LIKT VIR				Mascot
850.4338	850.5382	0.1044	123	387	393 LSNMEIK		Oxidation (M)[4]		Mascot
1045.4796	1045.5547	0.0751	72	791	799 AELDSEPER				Mascot
1218.6398	1218.603	-0.0368	-30	376	386 CSTVSPVVEIK		Carbamidomethyl (C)[1]		Mascot
1323.6283	1323.589	-0.0393	-30	807	817 LKEDCLNMETK				Mascot
1359.6111	1359.7915	0.1804	133	872	882 QQMEAYEAPHR				Mascot
1438.7797	1438.6874	-0.0923	-64	821	832 SFQKELMMALLK				Mascot
1454.7745	1454.6755	-0.099	-68	821	832 SFQKELMMALLK		Oxidation (M)[7]		Mascot
1720.8037	1720.8965	0.0928	54	276	289 APSPEQFQNRDFR				Mascot
1881.8503	1882.0129	0.1626	86	408	423 TESPMAEIVCVRSDCK		Carbamidomethyl (C)[10,15]		Mascot
1881.8503	1882.0129	0.1626	86	408	423 TESPMAEIVCVRSDCK		Carbamidomethyl (C)[10,15]		Mascot
1904.0562	1903.9933	-0.0629	-33	842	858 LIMDFVLLTTAVEVAPR		Oxidation (M)[3]		Mascot
2019.9963	2020.0632	0.0669	33	697	712 GQLWTKEWYIGYYQGK				Mascot
2284.2368	2284.1594	-0.0774	-34	492	513 TVVAIFGHDCAPKTL LVS EVGK				Mascot
2300.0686	2300.1614	0.0928	40	597	616 DDQDCILAQFCVQTPQP PPK		Carbamidomethyl (C)[5]		Mascot
3337.6052	3337.751	0.1458	44	298	327 LARSCHDLES LGQNPGW GQTQPVETNIVCK		Carbamidomethyl (C)[5]		Mascot
3338.5496	3338.7383	0.1887	57	885	913 TGMVDSEAMWKPAYDFL LTWAAQIGDSYR		Oxidation (M)[3]		Mascot

24 PREDICTED: brefeldin A-inhibited guanine nucleotide-exchange protein 1 [Danio rerio] gi|326679672 207943.5 5.5 19 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
864.3992	864.4883	0.0891	103	219	224 QMERER		Oxidation (M)[2]		Mascot
882.4567	882.5599	0.1032	117	1079	1086 EGFITSTK				Mascot
920.4869	920.5007	0.0138	15	801	807 IDRLMEK		Oxidation (M)[5]		Mascot
1196.598	1196.6222	0.0242	20	477	486 TNEMFINAIK		Oxidation (M)[4]		Mascot
1196.598	1196.6222	0.0242	20	477	486 TNEMFINAIK		Oxidation (M)[4]		Mascot
1218.6477	1218.603	-0.0447	-37	1137	1147 LDGNAIVDFVR				Mascot
1244.5472	1244.6156	0.0684	55	1525	1534 TCNCMLDIFK		Carbamidomethyl (C)[2]		Mascot
1289.6769	1289.5952	-0.0817	-63	35	45 KACEVALEEIK		Carbamidomethyl (C)[3]		Mascot
1313.7535	1313.5842	-0.1693	-129	586	597 LVNDLSKIAQGR				Mascot

	1323.7056	1323.589	-0.1166	-88	1223	1233	FLEKGELANFR										Mascot
	1497.7617	1497.715	-0.0467	-31	437	450	LSMKPLSDGPPDPK						Oxidation (M)[3]				Mascot
	1627.6541	1627.7859	0.1318	81	1365	1378	DYTSDDMNVAPEDR										Mascot
	1627.6541	1627.7859	0.1318	81	1365	1378	DYTSDDMNVAPEDR	3		0							Mascot
	1649.8217	1649.7684	-0.0533	-32	1351	1364	HCAKYVSDRPQAFK										Mascot
	1689.8475	1689.924	0.0765	45	1501	1516	SGTNCLENVVILNGEK										Mascot
	1720.8574	1720.8965	0.0391	23	1436	1449	IFDNMKLPEQQTEK										Mascot
	1729.9517	1729.8479	-0.1038	-60	1052	1067	CISQLELAQLIGTGVK						Carbamidomethyl (C)[1]				Mascot
	1735.9346	1735.9041	-0.0305	-18	984	998	CAIRIACIFSILQR										Mascot
	1736.8524	1736.8921	0.0397	23	1436	1449	IFDNMKLPEQQTEK						Oxidation (M)[5]				Mascot
	1737.7894	1737.906	0.1166	67	209	222	MENQALQEAKQMER						Oxidation (M)[1,12]				Mascot
	2019.9851	2020.0632	0.0781	39	1261	1278	CIAQMVNSQAGNIRSGW K						Carbamidomethyl (C)[1]				Mascot
	2211.0095	2211.0928	0.0833	38	762	779	INKEVMYAYVDQMDFQG K						Oxidation (M)[6,13]				Mascot

25 PREDICTED: hypothetical protein LOC100536404 [Danio rerio] gi|326672922 38438.2 9.03 9 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4904	882.5599	0.0695	79	331	338	SQVHAGKR					Mascot
920.5159	920.5007	-0.0152	-17	18	25	STSTQLRK					Mascot
1043.5051	1043.5184	0.0133	13	41	49	NPAMAPDRR			Oxidation (M)[4]		Mascot
1218.5684	1218.603	0.0346	28	75	84	WCEAAVQAQR			Carbamidomethyl (C)[2]		Mascot
1707.652	1707.8699	0.2179	128	270	282	CEEMEEQCVQHGR			Carbamidomethyl (C)[1,8], Oxidation (M)[4]		Mascot
1707.652	1707.8699	0.2179	128	270	282	CEEMEEQCVQHGR			Carbamidomethyl (C)[1,8], Oxidation (M)[4]		Mascot
1863.7531	1863.9814	0.2283	122	268	282	GRCEEMEEQCVQHGR			Carbamidomethyl (C)[3], Oxidation (M)[6]		Mascot
2458.2554	2458.1487	-0.1067	-43	26	48	LLSAAQHCSLPGRPRNP AMAPDR					Mascot
2480.2673	2480.126	-0.1413	-57	291	311	LQLDQHCQASSQVLQ LLSR			Carbamidomethyl (C)[8]		Mascot
2600.332	2600.2476	-0.0844	-32	1	24	MGNLSLNSTHLGSLRPSR STSTQLR					Mascot

26 PREDICTED: DENN domain-containing protein 3 [Danio rerio] gi|292624018 144865.7 8.13 14 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
833.4185	833.4318	0.0133	16	509	515	IMTESPR	4		0		Mascot

	833.4185	833.4318	0.0133	16	509	515	IMTESPR										Mascot
	952.4781	952.427	-0.0511	-54	1094	1101	QFRVSCGR										Mascot
	1165.6252	1165.738	0.1128	97	286	295	VVFLSTDWAK										Mascot
	1196.5221	1196.6222	0.1001	84	1187	1196	DCAAVTCMIR						Carbamidomethyl (C)[2,7]				Mascot
	1196.5221	1196.6222	0.1001	84	1187	1196	DCAAVTCMIR						Carbamidomethyl (C)[2,7]				Mascot
	1218.7092	1218.603	-0.1062	-87	738	748	LFEALTGQVK										Mascot
	1247.6525	1247.6447	-0.0078	-6	496	505	MQLNIRSETR										Mascot
	1289.6631	1289.5952	-0.0679	-53	516	525	RPTMEEINRK						Oxidation (M)[4]				Mascot
	1291.6133	1291.6036	-0.0097	-8	536	547	LGMSMPNLADSR	7			0						Mascot
	1291.6133	1291.6036	-0.0097	-8	536	547	LGMSMPNLADSR										Mascot
	1307.6083	1307.5983	-0.01	-8	536	547	LGMSMPNLADSR	7			0	Oxidation (M)[5]					Mascot
	1307.6083	1307.5983	-0.01	-8	536	547	LGMSMPNLADSR					Oxidation (M)[3]					Mascot
	1323.6031	1323.589	-0.0141	-11	536	547	LGMSMPNLADSR					Oxidation (M)[3,5]					Mascot
	1735.7965	1735.9041	0.1076	62	194	207	DCLSCFLFQMKTSR					Carbamidomethyl (C)[2]					Mascot
	1769.9446	1769.9021	-0.0425	-24	472	485	VLDTHIFHSFLRER										Mascot
	1903.8182	1903.9933	0.1751	92	1102	1117	LQSMHVHNGMLWCCGR					Oxidation (M)[4,10]					Mascot
	2472.2632	2472.1631	-0.1001	-40	174	193	LYTTFSICVISKYPYINAL R					Carbamidomethyl (C)[8]					Mascot
	2600.3528	2600.2476	-0.1052	-40	649	671	TDMEIFPAQLLNTLVEAL PVEEK										Mascot
	3338.7693	3338.7383	-0.031	-9	296	322	LTLVSECFMIFIHPLRWQ HPFVPVLSR					Carbamidomethyl (C)[7], Oxidation (M)[9]					Mascot
27	probable tRNA(His) guanylyltransferase [Danio rerio]				gi 55925403		31541.4	5.93	7	37	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. % Modification				Rank	Result Type
	952.5322	952.427	-0.1052	-110	28	35	LDGRNLHK							Mascot
	1208.6171	1208.656	0.0389	32	139	147	NVRDYLSWR							Mascot
	1208.6171	1208.656	0.0389	32	139	147	NVRDYLSWR							Mascot
	1225.5518	1225.6821	0.1303	106	11	20	NFELDDTCLR							Mascot
	1225.5518	1225.6821	0.1303	106	11	20	NFELDDTCLR							Mascot
	1307.6888	1307.5983	-0.0905	-69	21	31	NCYIVVRLDGR	4		0				Mascot
	1307.6888	1307.5983	-0.0905	-69	21	31	NCYIVVRLDGR							Mascot
	1720.9116	1720.8965	-0.0151	-9	209	223	GTTLIWEKVNETTTK							Mascot
	2211.0579	2211.0928	0.0349	16	96	113	LMTHVTSQFSSSFVFW K			Oxidation (M)[2]				Mascot
	3337.6223	3337.751	0.1287	39	179	207	LNGTLATDKNEILFSEFNI NYNNESSVYK							Mascot
28	PREDICTED: hypothetical protein LOC337635 [Danio rerio]				gi 292609503		30915.8	8.75	3	37	0	27	45.97	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
833.4363	833.4318	-0.0045	-5	186	192	DSLTELRL	27	45.97			Mascot
833.4363	833.4318	-0.0045	-5	186	192	DSLTELRL					Mascot
1196.7109	1196.6222	-0.0887	-74	7	17	VSGSLHRLTVK					Mascot
1196.7109	1196.6222	-0.0887	-74	7	17	VSGSLHRLTVK					Mascot
1436.7141	1436.6986	-0.0155	-11	56	67	HNIRHYSSSAHK					Mascot
29	FAD-linked sulfhydryl oxidase ALR [Danio rerio]			gi 147901598	21559.3	5.99	6	36	0		

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
920.5022	920.5007	-0.0015	-2	54	60	SWMKLQK					Mascot
1208.5729	1208.656	0.0831	69	167	176	LGKPEFDCSR			Carbamidomethyl (C)[8]		Mascot
1208.5729	1208.656	0.0831	69	167	176	LGKPEFDCSR			Carbamidomethyl (C)[8]		Mascot
1225.5817	1225.6821	0.1004	82	44	53	KPCRACTDFK			Carbamidomethyl (C)[3]		Mascot
1225.5817	1225.6821	0.1004	82	44	53	KPCRACTDFK			Carbamidomethyl (C)[3]		Mascot
1289.5653	1289.5952	0.0299	23	48	57	ACTDFKSWMK			Carbamidomethyl (C)[2], Oxidation (M)[9]		Mascot
1707.8119	1707.8699	0.058	34	167	180	LGKPEFDCSRVDER			Carbamidomethyl (C)[8]		Mascot
1707.8119	1707.8699	0.058	34	167	180	LGKPEFDCSRVDER			Carbamidomethyl (C)[8]		Mascot
3338.6643	3338.7383	0.074	22	61	90	QASSASVQESRPVEELK PVECPLDREELGR					Mascot
30	novel protein [Danio rerio]			gi 94733886		42254.6	7.97	10	36	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.4996	996.592	0.0924	93	125	132	LETFTETR					Mascot
1083.4744	1083.5464	0.072	66	223	233	CGLCSGSGMIR					Mascot
1225.5411	1225.6821	0.141	115	193	203	SACSKCVNSGR			Carbamidomethyl (C)[3,6]		Mascot
1225.5411	1225.6821	0.141	115	193	203	SACSKCVNSGR			Carbamidomethyl (C)[3,6]		Mascot
1247.6492	1247.6447	-0.0045	-4	66	76	QPEAPPRAPER					Mascot
1323.5569	1323.589	0.0321	24	321	331	EHQAQFCTTCR					Mascot
1422.5923	1422.6852	0.0929	65	234	246	CHSCGGVGSITCK			Carbamidomethyl (C)[1,4,12]		Mascot
1497.6719	1497.715	0.0431	29	221	233	QRCGLCSGSGMIR			Carbamidomethyl (C)[3,6], Oxidation (M)[11]		Mascot
1649.7305	1649.7684	0.0379	23	183	197	GCHSCLNLRGSACSK			Carbamidomethyl (C)[2,5]		Mascot
2019.8616	2020.0632	0.2016	100	234	253	CHSCGGVGSITCKTCQG			Carbamidomethyl (C)[1]		Mascot

	2480.1404	2480.126	-0.0144	-6	310	331	HGK SVNAVSESAREHQAQF CTTCR		Carbamidomethyl (C)[18]		Mascot
31	novel protein similar to vertebrate spectrin repeat containing, nuclear envelope 1 (SYNE1) [Danio r				gi 94734023	931467.7	5.2	41	36	0	

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
833.4185	833.4318	0.0133	16	3641	3647	CVLDDLR	16	0		Mascot
833.441	833.4318	-0.0092	-11	6330	6336	LGAMNRR			Oxidation (M)[4]	Mascot
842.4366	842.5048	0.0682	81	7008	7015	GITASHEK				Mascot
850.4781	850.5382	0.0601	71	281	287	SYLALQR				Mascot
920.4981	920.5007	0.0026	3	7708	7715	GSLNMVKR			Oxidation (M)[5]	Mascot
924.4529	924.3996	-0.0533	-58	4472	4479	MMELTTAK				Mascot
952.459	952.427	-0.032	-34	4116	4122	QIECKMK			Carbamidomethyl (C)[4], Oxidation (M)[6]	Mascot
996.5472	996.592	0.0448	45	2986	2993	ETQLQHLK				Mascot
1043.5956	1043.5184	-0.0772	-74	1395	1403	ERGTQLALR				Mascot
1196.5807	1196.6222	0.0415	35	2591	2602	AHGLWDGQGAGK				Mascot
1196.5807	1196.6222	0.0415	35	2591	2602	AHGLWDGQGAGK				Mascot
1208.6858	1208.656	-0.0298	-25	3535	3544	ARQVDLTHLR				Mascot
1208.6858	1208.656	-0.0298	-25	3535	3544	ARQVDLTHLR				Mascot
1218.6412	1218.603	-0.0382	-31	3565	3574	LRCSWDLGR				Mascot
1225.5769	1225.6821	0.1052	86	160	169	AFMQDVEEIK			Oxidation (M)[3]	Mascot
1225.6146	1225.6821	0.0675	55	3176	3184	YKGQMQLR			Oxidation (M)[5]	Mascot
1242.6001	1242.5426	-0.0575	-46	3067	3077	TFSDWLSTASK				Mascot
1244.7296	1244.6156	-0.114	-92	8070	8079	CQPFLLRVLR				Mascot
1247.6477	1247.6447	-0.003	-2	2000	2010	LEKLESTEGNK				Mascot
1289.6266	1289.5952	-0.0314	-24	2238	2248	ELLERGACEGR			Carbamidomethyl (C)[8]	Mascot
1291.6675	1291.6036	-0.0639	-49	4864	4874	LAEERTTCLQK				Mascot
1291.6675	1291.6036	-0.0639	-49	4864	4874	LAEERTTCLQK				Mascot
1307.583	1307.5983	0.0153	12	5760	5769	NVNEEVCKCR	4	0	Carbamidomethyl (C)[7,9]	Mascot
1307.583	1307.5983	0.0153	12	5760	5769	NVNEEVCKCR			Carbamidomethyl (C)[7,9]	Mascot
1323.5957	1323.589	-0.0067	-5	8027	8039	GKCSVSDPGSSSR			Carbamidomethyl (C)[3]	Mascot
1436.6686	1436.6986	0.03	21	3336	3348	EKGEELSGCSEK				Mascot
1454.6733	1454.6755	0.0022	2	1573	1584	DLSAYSPVWTCR			Carbamidomethyl (C)[11]	Mascot
1497.6858	1497.715	0.0292	19	7702	7714	LMDDCRGSLNMVK			Oxidation (M)[2]	Mascot
1627.8398	1627.7859	-0.0539	-33	7253	7265	LNQQQDLQRDIEK				Mascot

1627.8439	1627.7859	-0.058	-36	2841	2853	AEELVLLHQEYQR											Mascot
1649.7874	1649.7684	-0.019	-12	5801	5814	LLDTVLEQQCDGMK											Mascot
1707.8105	1707.8699	0.0594	35	7130	7144	VSQNGEVSIEEMIEK											Mascot
1707.8105	1707.8699	0.0594	35	7130	7144	VSQNGEVSIEEMIEK											Mascot
1729.902	1729.8479	-0.0541	-31	6014	6027	RGVELEGILEWWSR											Mascot
1738.0333	1737.906	-0.1273	-73	1753	1767	RSQILGLLQEALLQR											Mascot
1753.9191	1753.917	-0.0021	-1	4854	4868	LTELHAQTSRLAEER											Mascot
1753.9191	1753.917	-0.0021	-1	4854	4868	LTELHAQTSRLAEER			3		0						Mascot
1775.9551	1775.894	-0.0611	-34	413	427	QWKDIQAEAPALLR											Mascot
1863.9004	1863.9814	0.081	43	7145	7160	LTKDCQEEISVVEENK											Mascot
1865.8997	1866.0149	0.1152	62	24	38	SVRSMLEEVQCNWLR											Mascot
1903.9695	1903.9933	0.0238	13	3281	3295	DLQEIERWLLQMSSR											Mascot
2019.9288	2020.0632	0.1344	67	4150	4166	EQLDRLESIEADAMER											Mascot
2198.9871	2199.0032	0.0161	7	4453	4470	SFQDETDDVIRQMNDIEK											Mascot
2211.0632	2211.0928	0.0296	13	3751	3771	LLAETMTDASSLSCLGLNER											Mascot
2284.0796	2284.1594	0.0798	35	3751	3771	LLAETMTDASSLSCLGLNER											Mascot
2367.1643	2367.1467	-0.0176	-7	3751	3772	LLAETMTDASSLSCLGLNERR											Mascot
2600.3752	2600.2476	-0.1276	-49	3037	3057	YHALLLIQIETLKQLQEE											Mascot
3338.3164	3338.7383	0.4219	126	7680	7707	YSLQQTGDSMDAHDTSYMGYMRLMDDCR											Mascot
32	cytoskeleton associated protein 2-like [Danio rerio]			gi 187607996		86172.8	9.71	14	36	0							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
952.5574	952.427	-0.1304	-137	97	105	GLNIHSLAK					Mascot
996.4719	996.592	0.1201	121	576	582	YWICQAR			Carbamidomethyl (C)[4]		Mascot
1045.5537	1045.5547	0.001	1	164	173	AQPASHVAHK					Mascot
1165.6073	1165.738	0.1307	112	308	317	IQSHNPVTNR					Mascot
1196.6013	1196.6222	0.0209	17	297	307	DVSCMITKATK					Mascot
1196.6013	1196.6222	0.0209	17	297	307	DVSCMITKATK					Mascot
1242.6549	1242.5426	-0.1123	-90	352	362	INQKPNSATNR					Mascot
1244.6593	1244.6156	-0.0437	-35	479	488	LTEAQEERLR					Mascot
1582.8336	1582.7434	-0.0902	-57	444	457	SNHTKPAVQFQTPK					Mascot
1707.8044	1707.8699	0.0655	38	683	698	SQQAEPGQVDGHEIR					Mascot
1707.8044	1707.8699	0.0655	38	683	698	SQQAEPGQVDGHEIR					Mascot
1720.948	1720.8965	-0.0515	-30	218	232	LTEWNIKTTTATLK					Mascot

	1736.8411	1736.8921	0.051	29	763	777	DCVQVKLVYPEEVES										Mascot
	1863.9055	1863.9814	0.0759	41	682	698	RSQQGAEPGQVDGHEIR										Mascot
	2020.0531	2020.0632	0.0101	5	174	192	SQKSSLVSICGPSHSVYI K										Mascot
	2367.1211	2367.1467	0.0256	11	743	762	DDSQPQSSPLYVYRENE ALR										Mascot
33	acyl-CoA synthetase family member 2, mitochondrial precursor [Danio rerio]				gi 218563680	67530.2	8.23	11	35	0							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
842.5458	842.5048	-0.041	-49	5	11	ILLTNLR							Mascot
850.4451	850.5382	0.0931	109	470	476	TRECITK							Mascot
864.4243	864.4883	0.064	74	472	478	ECITKDR							Mascot
1218.5969	1218.603	0.0061	5	164	174	VQCNAVVCPTK				Carbamidomethyl (C)[3]			Mascot
1289.6704	1289.5952	-0.0752	-58	163	174	KVQCNAVVCPTK							Mascot
1291.7402	1291.6036	-0.1366	-106	1	11	MSSKILLTNLR				Oxidation (M)[1]			Mascot
1291.7402	1291.6036	-0.1366	-106	1	11	MSSKILLTNLR				Oxidation (M)[1]			Mascot
1436.7388	1436.6986	-0.0402	-28	164	176	VQCNAVVCPTKFK							Mascot
1729.7771	1729.8479	0.0708	41	551	565	EGQECTVEEIKAYCK							Mascot
1865.772	1866.0149	0.2429	130	456	469	GYCVMLEYWQDEEK				Carbamidomethyl (C)[3], Oxidation (M)[5]			Mascot
2211.1689	2211.0928	-0.0761	-34	435	455	VVDPTTGEIVPLGAQGEL MIR				Oxidation (M)[19]			Mascot
2480.1545	2480.126	-0.0285	-11	341	362	CTFVYGTPTMYIDMLGQP DLAK				Oxidation (M)[10]			Mascot

34	mitoferrin-2 [Danio rerio]				gi 47085863	41496.6	8.41	3	35	0	27	46.956	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1323.6626	1323.589	-0.0736	-56	116	125	YRNVMDALWR							Mascot
1436.7137	1436.6986	-0.0151	-11	118	128	NVMDALWRIMR				Oxidation (M)[3,10]			Mascot
1627.8816	1627.7859	-0.0957	-59	311	324	HITGLGHAFRTVYR							Mascot
1627.8816	1627.7859	-0.0957	-59	311	324	HITGLGHAFRTVYR	27	46.956					Mascot

35	PREDICTED: mitoferrin-2-like [Danio rerio]				gi 326673115	43966.9	8.88	3	35	0	27	46.956	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
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	1323.6626	1323.589	-0.0736	-56	136	145	YRNVMDALWR										Mascot
	1436.7137	1436.6986	-0.0151	-11	138	148	NVMDALWRIMR									Oxidation (M)[3,10]	Mascot
	1627.8816	1627.7859	-0.0957	-59	331	344	HITGLGHAFRTVYR										Mascot
	1627.8816	1627.7859	-0.0957	-59	331	344	HITGLGHAFRTVYR	27	46.956								Mascot
36	PREDICTED: general transcription factor II-I repeat domain-containing protein 2-like [Danio rerio]				gi 292619751		71093.5	8.6	11	35	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
920.5312	920.5007	-0.0305	-33	90	96	QTQLFRK						Mascot
1045.6	1045.5547	-0.0453	-43	149	157	SVKDLQLSR						Mascot
1225.6437	1225.6821	0.0384	31	57	67	HFTSLHSAVAR						Mascot
1225.6437	1225.6821	0.0384	31	57	67	HFTSLHSAVAR						Mascot
1313.7576	1313.5842	-0.1734	-132	539	549	IVPVERYPNVK						Mascot
1329.6467	1329.5754	-0.0713	-54	606	616	IVETKECQVSH				Carbamidomethyl (C)[7]		Mascot
1707.9138	1707.8699	-0.0439	-26	411	425	MLPDLVQSVFAFVNK						Mascot
1707.9138	1707.8699	-0.0439	-26	411	425	MLPDLVQSVFAFVNK						Mascot
1775.9901	1775.894	-0.0961	-54	590	604	ELLRVATTEYKPDLK						Mascot
2199.0713	2199.0032	-0.0681	-31	555	573	LLSMFGSTYVCESLFSTL K				Carbamidomethyl (C)[11], Oxidation (M)[4]		Mascot
2233.1499	2233.0732	-0.0767	-34	437	456	DYTHFPTLLKASGQAEV VK						Mascot
2472.3125	2472.1631	-0.1494	-60	244	267	ANLQLSKLTAIVTDGAPA MLGSR				Oxidation (M)[19]		Mascot
2480.2781	2480.126	-0.1521	-61	327	347	NLIDELDEDLPDLLFHR AVR						Mascot

37	novel protein similar to vertebrate catenin (cadherin-associated protein), delta 2 (neural plakophi				gi 169145624		29464.9	6.77	3	35	0	25	3.92				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
833.4363	833.4318	-0.0045	-5	207	213	TTDVEIR	25	3.92				Mascot
833.4363	833.4318	-0.0045	-5	207	213	TTDVEIR						Mascot
1307.7318	1307.5983	-0.1335	-102	59	71	SGPALPPEATLVR						Mascot
1307.7318	1307.5983	-0.1335	-102	59	71	SGPALPPEATLVR						Mascot
1438.8311	1438.6874	-0.1437	-100	193	205	NCGGIPALVRLLR				Carbamidomethyl (C)[2]		Mascot

38	PREDICTED: transmembrane anterior posterior transformation protein 1-like [Danio rerio]				gi 68438091		65724.7	7.52	8	34	0						
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	833.5243	833.4318	-0.0925	-111	136	142 TLLAFLR	15	0			Mascot
	833.5243	833.4318	-0.0925	-111	136	142 TLLAFLR					Mascot
	1043.4648	1043.5184	0.0536	51	75	82 FMCAELTR			Carbamidomethyl (C)[3], Oxidation (M)[2]		Mascot
	1289.6704	1289.5952	-0.0752	-58	143	155 LLTIPCCGLGGSR					Mascot
	1323.582	1323.589	0.007	5	25	35 CSWAPERMSK					Mascot
	1720.9276	1720.8965	-0.0311	-18	499	513 MHRPTASITKQPTPR					Mascot
	1736.9225	1736.8921	-0.0304	-18	499	513 MHRPTASITKQPTPR			Oxidation (M)[1]		Mascot
	2199.0671	2199.0032	-0.0639	-29	36	55 TNILTTMTETLGCIENPA VK					Mascot
	2225.1997	2225.1084	-0.0913	-41	192	210 GQSVIKLYIIYNMLEVADR					Mascot
	2283.3694	2283.167	-0.2024	-89	404	424 MGFIPLPLAVLLIRVVMSS VK					Mascot
39	Evlb protein [Danio rerio]				gi 160774007		39996.2	8.77	8	34	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1043.548	1043.5184	-0.0296	-28	361	369 HELSRISTT					Mascot
	1225.53	1225.6821	0.1521	124	1	10 MSEQSICQAR			Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot
	1225.53	1225.6821	0.1521	124	1	10 MSEQSICQAR			Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot
	1247.5498	1247.6447	0.0949	76	290	301 DESQNNAADGVK					Mascot
	1329.6658	1329.5754	-0.0904	-68	302	312 KPWDRANSAER					Mascot
	1359.6461	1359.7915	0.1454	107	11	22 ASVMVYDDTSKK			Oxidation (M)[4]		Mascot
	1627.9067	1627.7859	-0.1208	-74	22	35 KWVPIKPGQQGFSR					Mascot
	1627.9067	1627.7859	-0.1208	-74	22	35 KWVPIKPGQQGFSR					Mascot
	1707.7247	1707.8699	0.1452	85	140	152 QMEMQQMQAHIER			Oxidation (M)[2,4,7]		Mascot
	1707.7247	1707.8699	0.1452	85	140	152 QMEMQQMQAHIER			Oxidation (M)[2,4,7]		Mascot
	1863.8258	1863.9814	0.1556	83	139	152 RQMEMQQMQAHIER			Oxidation (M)[3,5,8]		Mascot
40	PREDICTED: NACHT, LRR and PYD domains-containing protein 14-like isoform 1 [Danio rerio]				gi 189535642		109378.5	5.69	11	34	0 10 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	952.5461	952.427	-0.1191	-125	501	508 EEIIAHIK					Mascot
	1045.5272	1045.5547	0.0275	26	488	496 GLLTQQDDR					Mascot

	1083.4313	1083.5464	0.1151	106	873	881	GGDECWFGR					Carbamidomethyl (C)[5]	Mascot
	1208.6997	1208.656	-0.0437	-36	501	510	EEIIAHIKQK						Mascot
	1208.6997	1208.656	-0.0437	-36	501	510	EEIIAHIKQK						Mascot
	1247.7106	1247.6447	-0.0659	-53	473	483	FLLGLSLQSNR						Mascot
	1291.7555	1291.6036	-0.1519	-118	600	610	ALLQFCKLTVR	10		0			Mascot
	1291.7555	1291.6036	-0.1519	-118	600	610	ALLQFCKLTVR						Mascot
	1313.6519	1313.5842	-0.0677	-52	77	87	HQSLEIQVECK						Mascot
	1323.6473	1323.589	-0.0583	-44	580	589	FQRSDECLIR					Carbamidomethyl (C)[7]	Mascot
	1735.8511	1735.9041	0.053	31	817	830	RVLENQPYDPHPDR						Mascot
	1865.891	1866.0149	0.1239	66	438	453	TQAENSRDESMIDLLK					Oxidation (M)[11]	Mascot
	2367.1755	2367.1467	-0.0288	-12	607	627	LTVRSCELSLSSALQSSNC VLR					Carbamidomethyl (C)[6,18]	Mascot
41	proteasome subunit beta type-2 [Danio rerio]				gi 50540284		22571.6	6.1	6	34	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
864.4573	864.4883	0.031	36	87	93	NLADYLR						Mascot
882.4753	882.5599	0.0846	96	35	41	MFKLSEK						Mascot
1083.5582	1083.5464	-0.0118	-11	146	153	YYRPDLTR						Mascot
1776.0417	1775.894	-0.1477	-83	171	185	FILNLPSTVRLIDK						Mascot
2020.0651	2020.0632	-0.0019	-1	127	145	APFAAHGYGAFTLSILD R						Mascot
2367.2263	2367.1467	-0.0796	-34	42	62	ILLLCVGEAGDTVQFAEYI QK				Carbamidomethyl (C)[5]		Mascot

42	myotubularin-related protein 2 [Danio rerio]				gi 117606281		71078.3	7.94	5	34	0	28	54.195
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
833.4363	833.4318	-0.0045	-5	29	35	LSDELTR	30	68.909				Mascot
833.4363	833.4318	-0.0045	-5	29	35	LSDELTR						Mascot
864.5189	864.4883	-0.0306	-35	573	579	YKELLAK						Mascot
952.5172	952.427	-0.0902	-95	150	157	SVFEVLMK						Mascot
1242.6338	1242.5426	-0.0912	-73	193	202	RQGLPNESWR						Mascot
1289.6696	1289.5952	-0.0744	-58	24	35	SSGPKLSDELTR						Mascot

43	Znfl2a protein [Danio rerio]				gi 62204424		34966.8	6.39	9	33	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	%	Modification	Rank	Result Type
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		Seq.		Seq.		Score					
	833.4297	833.4318	0.0021	3	243	249	QVSCQLQR		Mascot		
	833.4297	833.4318	0.0021	3	243	249	QVSCQLQR		Mascot		
	1045.4077	1045.5547	0.147	141	175	183	AYSCQECGK	Carbamidomethyl (C)[4]	Mascot		
	1165.6688	1165.738	0.0692	59	131	140	TKAPLTEHLR		Mascot		
	1247.5837	1247.6447	0.061	49	113	123	IHTGETPFSCR		Mascot		
	1323.6686	1323.589	-0.0796	-60	96	108	QCGKSLTSSGSLR		Mascot		
	1582.8013	1582.7434	-0.0579	-37	189	200	QYYTTHLKTHYK		Mascot		
	1649.741	1649.7684	0.0274	17	175	188	AYSCQECGKSFTLR	Carbamidomethyl (C)[4]	Mascot		
	1735.8246	1735.9041	0.0795	46	290	306	TTNPTAANTPSHTPQP		Mascot		
	1775.8567	1775.894	0.0373	21	141	155	IHTGEKPFQCSLCQK	Carbamidomethyl (C)[10]	Mascot		
44	PREDICTED: hypothetical protein LOC100537922 [Danio rerio]				gi 326672557		45363.9	4.94	8	33	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.5301	864.4883	-0.0418	-48	352	358	LFLRSTK					Mascot
1247.5183	1247.6447	0.1264	101	381	391	GFMAEGCFSNK			Carbamidomethyl (C)[7]		Mascot
1291.7229	1291.6036	-0.1193	-92	10	21	GLSSLTHRHGVK					Mascot
1291.7229	1291.6036	-0.1193	-92	10	21	GLSSLTHRHGVK					Mascot
1737.7723	1737.906	0.1337	77	381	395	GFMAEGCFSNKEVYR					Mascot
1753.7672	1753.917	0.1498	85	381	395	GFMAEGCFSNKEVYR			Oxidation (M)[3]		Mascot
1753.7672	1753.917	0.1498	85	381	395	GFMAEGCFSNKEVYR			Oxidation (M)[3]		Mascot
1865.8356	1866.0149	0.1793	96	175	191	CFGCGNFGHLVRNCPNK					Mascot
2199.075	2199.0032	-0.0718	-33	140	158	SVYMIVNNDADLDLALNFR			Oxidation (M)[4]		Mascot
2225.1487	2225.1084	-0.0403	-18	362	380	GVLVNEYFPDVEQFVDKVK					Mascot
3338.4224	3338.7383	0.3159	95	314	343	VDMEDELESESDSELSDSSLTSLSQSEFSSR					Mascot

45 conserved oligomeric Golgi complex subunit 2 [Danio rerio] gi|47087011 82297.4 6.05 11 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4495	864.4883	0.0388	45	649	655	KMEESLK					Mascot
920.4506	920.5007	0.0501	54	36	42	VQLEEMR			Oxidation (M)[6]		Mascot
1045.5598	1045.5547	-0.0051	-5	517	525	IPDISEMIK					Mascot

	1218.6729	1218.603	-0.0699	-57	502	512	QLVFIAADVDK						Mascot
	1244.6919	1244.6156	-0.0763	-61	517	527	IPDISEMIKAK						Mascot
	1307.6677	1307.5983	-0.0694	-53	274	283	LLEFVPHHCR	4	0	Carbamidomethyl (C)[9]			Mascot
	1307.6677	1307.5983	-0.0694	-53	274	283	LLEFVPHHCR			Carbamidomethyl (C)[9]			Mascot
	1422.8427	1422.6852	-0.1575	-111	80	92	ALNQLSIPLGQLR						Mascot
	1689.9369	1689.924	-0.0129	-8	274	286	LLEFVPHHCRLLR			Carbamidomethyl (C)[9]			Mascot
	1737.8137	1737.906	0.0923	53	663	680	TTTTSTVGVNAGPSDDS K						Mascot
	1753.8322	1753.917	0.0848	48	1	15	MMTLPKAPDSLCLFDK			Carbamidomethyl (C)[12]			Mascot
	1753.8322	1753.917	0.0848	48	1	15	MMTLPKAPDSLCLFDK	3	0	Carbamidomethyl (C)[12]			Mascot
	1769.827	1769.9021	0.0751	42	1	15	MMTLPKAPDSLCLFDK			Carbamidomethyl (C)[12], Oxidation (M)[1]			Mascot
	1865.9087	1866.0149	0.1062	57	662	680	KTTTTSTVGVNAGPSDD SK						Mascot
46	PREDICTED: sodium channel protein type 2 subunit alpha-like [Danio rerio]				gi 326670825		34934.5	9.46	7	33	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1225.7878	1225.6821	-0.1057	-86	209	220	ALKTISVVPGLK					Mascot
1225.7878	1225.6821	-0.1057	-86	209	220	ALKTISVVPGLK	3	0			Mascot
1307.5896	1307.5983	0.0087	7	299	311	KDALICGNSSDAG			Carbamidomethyl (C)[6]		Mascot
1307.5896	1307.5983	0.0087	7	299	311	KDALICGNSSDAG			Carbamidomethyl (C)[6]		Mascot
1359.699	1359.7915	0.0925	68	163	173	GFCVGRFTFLR			Carbamidomethyl (C)[3]		Mascot
1438.726	1438.6874	-0.0386	-27	2	14	AHMFTPPGPQSLR					Mascot
1454.7209	1454.6755	-0.0454	-31	2	14	AHMFTPPGPQSLR			Oxidation (M)[3]		Mascot
1582.8159	1582.7434	-0.0725	-46	2	15	AHMFTPPGPQSLRK			Oxidation (M)[3]		Mascot
1729.8512	1729.8479	-0.0033	-2	1	15	MAHMFTPPGPQSLRK			Oxidation (M)[1,4]		Mascot
1769.8494	1769.9021	0.0527	30	284	298	DYINNPSNQYFLPGK					Mascot

47 hypothetical protein LOC100006266 [Danio rerio] gi|131888980 33568.4 9.21 6 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
833.474	833.4318	-0.0422	-51	129	135	SLHAHLR	18	0			Mascot
833.474	833.4318	-0.0422	-51	129	135	SLHAHLR					Mascot
850.4417	850.5382	0.0965	113	282	288	NPHEQIL					Mascot
1313.6129	1313.5842	-0.0287	-22	89	99	CVHCGKTFAYK			Carbamidomethyl (C)[1]		Mascot
1497.646	1497.715	0.069	46	27	38	NEKSFACPQCEK			Carbamidomethyl (C)[7,10]		Mascot

	1582.7465	1582.7434	-0.0031	-2	193	206	HIGVKDHICSECGK							Carbamidomethyl (C)[9]	Mascot
	2480.0903	2480.126	0.0357	14	108	128	IHTGEQPYMCNQCEKSF THAR								Mascot
48	PREDICTED: e3 ubiquitin-protein ligase BRE1A [Danio rerio] gi 189527718 115551 5.66 9 33 0 25 2.359														

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
833.3999	833.4318	0.0319	38	709	715 SEAEELR	25	2.359			Mascot
833.3999	833.4318	0.0319	38	709	715 SEAEELR					Mascot
842.5206	842.5048	-0.0158	-19	61	67 ALQIKNR					Mascot
1045.5823	1045.5547	-0.0276	-26	786	793 LMQQLREK					Mascot
1247.6412	1247.6447	0.0035	3	232	242 LNALLTGMNER			Oxidation (M)[8]		Mascot
1497.8132	1497.715	-0.0982	-66	511	522 LREAQQELNQLR					Mascot
1707.7478	1707.8699	0.1221	71	995	1009 CPKCNAAFGANDFHR			Carbamidomethyl (C)[1]		Mascot
1707.7478	1707.8699	0.1221	71	995	1009 CPKCNAAFGANDFHR			Carbamidomethyl (C)[1]		Mascot
1729.781	1729.8479	0.0669	39	429	442 QLDHMEDEVSLQR			Oxidation (M)[5]		Mascot
1737.8622	1737.906	0.0438	25	317	333 VCGEASSVCGTITINKR					Mascot
2300.1816	2300.1614	-0.0202	-9	222	242 DGGLWDVAVRLNALLTG MNER					Mascot

49	tektin 2 (testicular) [Danio rerio] gi 94733681 48602.7 5.71 8 32 0														
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
833.4111	833.4318	0.0207	25	241	247 ENNSITR	4	0			Mascot
833.4111	833.4318	0.0207	25	241	247 ENNSITR					Mascot
952.492	952.427	-0.065	-68	259	266 MSVEFALR					Mascot
1045.5789	1045.5547	-0.0242	-23	68	75 INDITRWK					Mascot
1218.6147	1218.603	-0.0117	-10	231	240 EEMQVSVQIR					Mascot
1323.7379	1323.589	-0.1489	-112	356	367 LAQAQHSLSLQSLK					Mascot
2211.0261	2211.0928	0.0667	30	268	284 RTHHEEQAHHDMQWQL K					Mascot
2283.1365	2283.167	0.0305	13	2	22 ATLSSKPASRYSVSDWA TNNK					Mascot
2600.116	2600.2476	0.1316	51	80	101 ACAQEVDDEMDALTLK EEMER			Carbamidomethyl (C)[2], Oxidation (M)[10]		Mascot

50	PREDICTED: LOW QUALITY PROTEIN: myotubularin-related protein 13 [Danio rerio] gi 292616467 206253.7 6.29 18 32 0														
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Peptide Information

Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification		Rank	Result Type		
833.4661	833.4318	-0.0343	-41	1054	1061	AGKITMGR					Mascot		
833.4661	833.4318	-0.0343	-41	1054	1061	AGKITMGR					Mascot		
920.5927	920.5007	-0.092	-100	869	876	LPPIQKPK					Mascot		
1083.5834	1083.5464	-0.037	-34	1807	1815	AFFDLKTNK					Mascot		
1218.6147	1218.603	-0.0117	-10	716	726	TAMDLAAEQLR					Mascot		
1242.663	1242.5426	-0.1204	-97	366	375	LFAQLFQGYR					Mascot		
1291.7092	1291.6036	-0.1056	-82	1179	1188	LPVVCWKHPR		Carbamidomethyl (C)[5]			Mascot		
1291.7092	1291.6036	-0.1056	-82	1179	1188	LPVVCWKHPR		Carbamidomethyl (C)[5]			Mascot		
1438.5427	1438.6874	0.1447	101	1769	1779	YYETDEDTSCR		Carbamidomethyl (C)[10]			Mascot		
1454.7678	1454.6755	-0.0923	-63	254	265	YSYPYIPVLPSR					Mascot		
1735.9602	1735.9041	-0.0561	-32	1274	1290	FIQHPAVGDVGARLAGK					Mascot		
1753.9305	1753.917	-0.0135	-8	554	568	LEVVRTCIGFIFDNK					Mascot		
1753.9305	1753.917	-0.0135	-8	554	568	LEVVRTCIGFIFDNK					Mascot		
1775.7462	1775.894	0.1478	83	1355	1371	ACAPSAMSSDTEDSFLK		Oxidation (M)[7]			Mascot		
1881.9089	1882.0129	0.104	55	1722	1737	AATLYNQFTPKNEDNR					Mascot		
1881.9089	1882.0129	0.104	55	1722	1737	AATLYNQFTPKNEDNR					Mascot		
2199.042	2199.0032	-0.0388	-18	1352	1371	LLRACAPSAMSSDTEDSFLK		Carbamidomethyl (C)[5]			Mascot		
2225.0808	2225.1084	0.0276	12	1816	1834	RVYNFCAADAPSAQLWIDK		Carbamidomethyl (C)[6]			Mascot		
2283.2239	2283.167	-0.0569	-25	959	977	KITIQNQLQQNMQEGLQLR					Mascot		
2300.1956	2300.1614	-0.0342	-15	1323	1343	GLKLDPALNCELVPVEFADTR					Mascot		
2367.249	2367.1467	-0.1023	-43	306	325	IPECIHLSQLPELLHNTQK		Carbamidomethyl (C)[4]			Mascot		
2600.2158	2600.2476	0.0318	12	425	446	GPPYRACDLFDELVALDVDCFK		Carbamidomethyl (C)[7,20]			Mascot		
Gel Idx/Pos		247/J23				Instr./Gel Origin			BA2060/110707A		Process Status	Analysis Succeeded	
Plate [#] Name		[1] 31496				Instrument Sample Name					Spectra	11	
Rank	Protein Name					Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Vtg1 protein [Danio rerio]					gi 63100501	36409.1	9.23	13	592	100	514	100
Peptide Information													
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification		Rank	Result Type		
826.4457	826.4503	0.0046	6	198	204	QYAVFAK					Mascot		

960.4785	960.4794	0.0009	1	218	224	LEVEWER	45	99.139		Mascot
960.4785	960.4794	0.0009	1	218	224	LEVEWER				Mascot
976.5322	976.474	-0.0582	-60	25	32	FSSVPRQR				Mascot
984.4243	984.4249	0.0006	1	190	197	FSWGAECK			Carbamidomethyl (C)[7]	Mascot
984.4243	984.4249	0.0006	1	190	197	FSWGAECK	41	97.871	Carbamidomethyl (C)[7]	Mascot
1118.682	1118.6837	0.0017	2	225	234	LPIIVTTYAK	68	99.996		Mascot
1118.682	1118.6837	0.0017	2	225	234	LPIIVTTYAK				Mascot
1287.6691	1287.673	0.0039	3	205	217	AEAGVLGEFPAAR	112	100		Mascot
1287.6691	1287.673	0.0039	3	205	217	AEAGVLGEFPAAR				Mascot
1364.6957	1364.6969	0.0012	1	239	250	HILTAAYDTGFR				Mascot
1364.6957	1364.6969	0.0012	1	239	250	HILTAAYDTGFR	110	100		Mascot
1369.6569	1369.7288	0.0719	52	186	197	VTGKFSWGAECK			Carbamidomethyl (C)[11]	Mascot
1676.8523	1676.861	0.0087	5	159	173	VQLIVSSIAENDNMK			Oxidation (M)[14]	Mascot
1796.9078	1797.0122	0.1044	58	239	253	HILTAAYDTGFRFER				Mascot
1826.9799	1826.9792	-0.0007	0	143	158	LLGYQLAAYFDKPTAR				Mascot
1826.9799	1826.9792	-0.0007	0	143	158	LLGYQLAAYFDKPTAR	139	100		Mascot
1958.0189	1958.0194	0.0005	0	254	271	ATNSEKEIELTAALPSQR				Mascot
2060.1426	2060.1394	-0.0032	-2	218	234	LEVEWERLPIIVTTYAK				Mascot

2 vitellogenin 1 [Danio rerio] gi|166795887 149452.5 8.68 17 555 100 515 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4503	0.0046	6	1238	1244	QYAVFAK					Mascot
960.4785	960.4794	0.0009	1	1258	1264	LEVEWER	45	99.139			Mascot
960.4785	960.4794	0.0009	1	1258	1264	LEVEWER					Mascot
984.4243	984.4249	0.0006	1	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.4249	0.0006	1	1230	1237	FSWGAECK	41	97.871	Carbamidomethyl (C)[7]		Mascot
992.5015	992.467	-0.0345	-35	615	622	LMNCKLDR					Mascot
992.5015	992.467	-0.0345	-35	615	622	LMNCKLDR					Mascot
1118.682	1118.6837	0.0017	2	1265	1274	LPIIVTTYAK	68	99.996			Mascot
1118.682	1118.6837	0.0017	2	1265	1274	LPIIVTTYAK					Mascot
1287.6691	1287.673	0.0039	3	1245	1257	AEAGVLGEFPAAR	112	100			Mascot
1287.6691	1287.673	0.0039	3	1245	1257	AEAGVLGEFPAAR					Mascot
1364.6957	1364.6969	0.0012	1	1279	1290	HILTAAYDTGFR					Mascot
1364.6957	1364.6969	0.0012	1	1279	1290	HILTAAYDTGFR	110	100			Mascot
1369.7032	1369.7288	0.0256	19	828	838	LESMTYEQLKK					Mascot

1382.7889	1382.7717	-0.0172	-12	303	315	ISDAPAQIVEVLK													Mascot
1676.8523	1676.861	0.0087	5	1199	1213	VQLIVSSIAENDNMK													Mascot
1796.9078	1797.0122	0.1044	58	1279	1293	HILTAAYDTGFRFER													Mascot
1826.9799	1826.9792	-0.0007	0	1183	1198	LLGYQLAAYFDKPTAR													Mascot
1826.9799	1826.9792	-0.0007	0	1183	1198	LLGYQLAAYFDKPTAR	139		100										Mascot
1958.0189	1958.0194	0.0005	0	1294	1311	ATNSEKEIELTAALPSQR													Mascot
2060.1426	2060.1394	-0.0032	-2	1258	1274	LEVEWERLPIIVTTYAK													Mascot
2233.2009	2233.0803	-0.1206	-54	593	614	SLTRITAPDMAYVAGAAN VAIK													Mascot
2249.1958	2249.0649	-0.1309	-58	593	614	SLTRITAPDMAYVAGAAN VAIK													Mascot
2299.2292	2299.1763	-0.0529	-23	1039	1058	QINIIDDDTPEGQAFLLKL R													Mascot
3338.6421	3338.7573	0.1152	35	930	961	SIPLVPELSLQNSQASYA GDLSEMSSVASVR													Mascot

3 Vtg1 protein [Danio rerio] g||145337918 116565.5 9.07 15 554 100 515 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4503	0.0046	6	944	950	QYAVFAK					Mascot
960.4785	960.4794	0.0009	1	964	970	LEVEWER	45	99.139			Mascot
960.4785	960.4794	0.0009	1	964	970	LEVEWER					Mascot
984.4243	984.4249	0.0006	1	936	943	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.4249	0.0006	1	936	943	FSWGAECK	41	97.871	Carbamidomethyl (C)[7]		Mascot
1118.682	1118.6837	0.0017	2	971	980	LPIIVTTYAK	68	99.996			Mascot
1118.682	1118.6837	0.0017	2	971	980	LPIIVTTYAK					Mascot
1287.6691	1287.673	0.0039	3	951	963	AEAGVLGEFPAAR	112	100			Mascot
1287.6691	1287.673	0.0039	3	951	963	AEAGVLGEFPAAR					Mascot
1364.6957	1364.6969	0.0012	1	985	996	HILTAAYDTGFR					Mascot
1364.6957	1364.6969	0.0012	1	985	996	HILTAAYDTGFR	110	100			Mascot
1369.7032	1369.7288	0.0256	19	534	544	LESMTYEQLKK					Mascot
1382.7889	1382.7717	-0.0172	-12	9	21	ISDAPAQIVEVLK					Mascot
1676.8523	1676.861	0.0087	5	905	919	VQLIVSSIAENDNMK			Oxidation (M)[14]		Mascot
1796.9078	1797.0122	0.1044	58	985	999	HILTAAYDTGFRFER					Mascot
1826.9799	1826.9792	-0.0007	0	889	904	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9792	-0.0007	0	889	904	LLGYQLAAYFDKPTAR	139	100			Mascot
1958.0189	1958.0194	0.0005	0	1000	1017	ATNSEKEIELTAALPSQR					Mascot
2060.1426	2060.1394	-0.0032	-2	964	980	LEVEWERLPIIVTTYAK					Mascot
2249.2725	2249.0649	-0.2076	-92	131	151	FATIPALREVVM LGYGSLI AK					Mascot

2299.2292

2299.1763

-0.0529

-23

745

764

QINIIDDDTPEGQAFLLKL
R

Mascot

4

vitellogenin 1 [Danio rerio]

gi|21391472

127954.2

8.69

15

551

100

515

100

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4503	0.0046	6	1045	1051	QYAVFAK					Mascot
960.4785	960.4794	0.0009	1	1065	1071	LEVEWER	45	99.139			Mascot
960.4785	960.4794	0.0009	1	1065	1071	LEVEWER					Mascot
984.4243	984.4249	0.0006	1	1037	1044	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.4249	0.0006	1	1037	1044	FSWGAECK	41	97.871	Carbamidomethyl (C)[7]		Mascot
1118.682	1118.6837	0.0017	2	1072	1081	LPIIVTTYAK	68	99.996			Mascot
1118.682	1118.6837	0.0017	2	1072	1081	LPIIVTTYAK					Mascot
1287.6691	1287.673	0.0039	3	1052	1064	AEAGVLGEFPAAR	112	100			Mascot
1287.6691	1287.673	0.0039	3	1052	1064	AEAGVLGEFPAAR					Mascot
1364.6957	1364.6969	0.0012	1	1086	1097	HILTAAYDTGFR					Mascot
1364.6957	1364.6969	0.0012	1	1086	1097	HILTAAYDTGFR	110	100			Mascot
1369.7032	1369.7288	0.0256	19	637	647	LESMTYEQLKK					Mascot
1382.7889	1382.7717	-0.0172	-12	112	124	ISDAPAQIVEVLK					Mascot
1676.8523	1676.861	0.0087	5	1006	1020	VQLIVSSIAENDNMK			Oxidation (M)[14]		Mascot
1796.9078	1797.0122	0.1044	58	1086	1100	HILTAAYDTGFRFER					Mascot
1826.9799	1826.9792	-0.0007	0	990	1005	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9792	-0.0007	0	990	1005	LLGYQLAAYFDKPTAR	139	100			Mascot
1958.0189	1958.0194	0.0005	0	1101	1118	ATNSEKEIELTAALPSQR					Mascot
2060.1426	2060.1394	-0.0032	-2	1065	1081	LEVEWERLPIIVTTYAK					Mascot
2249.2725	2249.0649	-0.2076	-92	234	254	FATIPALREVVMLGYGSLI AK					Mascot
2299.2292	2299.1763	-0.0529	-23	848	867	QINIIDDDTPEGQAFLLKL R					Mascot

5

vitellogenin 1 [Danio rerio]

gi|94733730

149140.4

8.74

15

544

100

515

100

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4503	0.0046	6	1238	1244	QYAVFAK					Mascot
960.4785	960.4794	0.0009	1	1258	1264	LEVEWER	45	99.139			Mascot
960.4785	960.4794	0.0009	1	1258	1264	LEVEWER					Mascot
984.4243	984.4249	0.0006	1	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]		Mascot

984.4243	984.4249	0.0006	1	1230	1237	FSWGAECK	41	97.871	Carbamidomethyl (C)[7]	Mascot
1118.682	1118.6837	0.0017	2	1265	1274	LPIIVTTYAK	68	99.996		Mascot
1118.682	1118.6837	0.0017	2	1265	1274	LPIIVTTYAK				Mascot
1287.6691	1287.673	0.0039	3	1245	1257	AEAGVLGEFPAAR	112	100		Mascot
1287.6691	1287.673	0.0039	3	1245	1257	AEAGVLGEFPAAR				Mascot
1364.6957	1364.6969	0.0012	1	1279	1290	HILTAAYDTGFR				Mascot
1364.6957	1364.6969	0.0012	1	1279	1290	HILTAAYDTGFR	110	100		Mascot
1369.7032	1369.7288	0.0256	19	828	838	LESMTYEQLKK				Mascot
1382.7889	1382.7717	-0.0172	-12	303	315	ISDAPAQIVEVLK				Mascot
1676.8523	1676.861	0.0087	5	1199	1213	VQLIVSSIAENDNMK			Oxidation (M)[14]	Mascot
1796.9078	1797.0122	0.1044	58	1279	1293	HILTAAYDTGFRFER				Mascot
1826.9799	1826.9792	-0.0007	0	1183	1198	LLGYQLAAYFDKPTAR				Mascot
1826.9799	1826.9792	-0.0007	0	1183	1198	LLGYQLAAYFDKPTAR	139	100		Mascot
1958.0189	1958.0194	0.0005	0	1294	1311	ATNSEKEIELTAALPSQR				Mascot
2060.1426	2060.1394	-0.0032	-2	1258	1274	LEVEWERLPIIVTTYAK				Mascot
2249.2725	2249.0649	-0.2076	-92	425	445	FATIPALREVVMLGYGSLI AK				Mascot
2299.2292	2299.1763	-0.0529	-23	1039	1058	QINIIDDDTPEGQAFLLKL R				Mascot

6 vitellogenin 7 [Danio rerio] gi|57864789 24318.7 8.37 9 466 100 404 100

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank Result Type
826.4457	826.4503	0.0046	6	93	99 QYAVFAK				Mascot
960.4785	960.4794	0.0009	1	113	119 LEVEWER	45	99.139		Mascot
960.4785	960.4794	0.0009	1	113	119 LEVEWER				Mascot
984.4243	984.4249	0.0006	1	85	92 FSWGAECK			Carbamidomethyl (C)[7]	Mascot
984.4243	984.4249	0.0006	1	85	92 FSWGAECK	41	97.871	Carbamidomethyl (C)[7]	Mascot
1118.682	1118.6837	0.0017	2	120	129 LPIIVTTYAK	68	99.996		Mascot
1118.682	1118.6837	0.0017	2	120	129 LPIIVTTYAK				Mascot
1287.6691	1287.673	0.0039	3	100	112 AEAGVLGEFPAAR	112	100		Mascot
1287.6691	1287.673	0.0039	3	100	112 AEAGVLGEFPAAR				Mascot
1369.6569	1369.7288	0.0719	52	81	92 VTGKFSWGAECK			Carbamidomethyl (C)[11]	Mascot
1826.9799	1826.9792	-0.0007	0	38	53 LLGYQLAAYFDKPTAR				Mascot
1826.9799	1826.9792	-0.0007	0	38	53 LLGYQLAAYFDKPTAR	139	100		Mascot
2060.1426	2060.1394	-0.0032	-2	113	129 LEVEWERLPIIVTTYAK				Mascot
3337.7539	3337.7449	-0.009	-3	38	67 LLGYQLAAYFDKPTARVQ LIASSIAENDNR				Mascot

7

vitellogenin 7 [Danio rerio]

gi|156713467

148739.2

8.76

12

414

100

404

100

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4503	0.0046	6	1234	1240	QYAVFAK					Mascot
960.4785	960.4794	0.0009	1	1254	1260	LEVEWER	45	99.139			Mascot
960.4785	960.4794	0.0009	1	1254	1260	LEVEWER					Mascot
984.4243	984.4249	0.0006	1	1226	1233	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.4249	0.0006	1	1226	1233	FSWGAECK	41	97.871	Carbamidomethyl (C)[7]		Mascot
1109.4818	1109.4979	0.0161	15	1087	1097	SHSTSSSSSSR					Mascot
1118.682	1118.6837	0.0017	2	1261	1270	LPIIVTTYAK	68	99.996			Mascot
1118.682	1118.6837	0.0017	2	1261	1270	LPIIVTTYAK					Mascot
1287.6691	1287.673	0.0039	3	1241	1253	AEAGVLGEFPAAR	112	100			Mascot
1287.6691	1287.673	0.0039	3	1241	1253	AEAGVLGEFPAAR					Mascot
1347.7882	1347.7307	-0.0575	-43	1111	1122	LSKTATIEPFK					Mascot
1369.6569	1369.7288	0.0719	52	1222	1233	VTGKFSWGAECK			Carbamidomethyl (C)[11]		Mascot
1796.9581	1797.0122	0.0541	30	342	356	LSTLDKFEAIWAQFK					Mascot
1826.9799	1826.9792	-0.0007	0	1179	1194	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9792	-0.0007	0	1179	1194	LLGYQLAAYFDKPTAR	139	100			Mascot
2060.1426	2060.1394	-0.0032	-2	1254	1270	LEVEWERLPIIVTTYAK					Mascot
3337.7539	3337.7449	-0.009	-3	1179	1208	LLGYQLAAYFDKPTARVQ LIASSIAENDNR					Mascot

8

novel protein similar to vitellogenin 1 (vg1) [Danio rerio]

gi|94732723

147084.2

8.73

11

410

100

404

100

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4503	0.0046	6	1219	1225	QYAVFAK					Mascot
960.4785	960.4794	0.0009	1	1239	1245	LEVEWER	45	99.139			Mascot
960.4785	960.4794	0.0009	1	1239	1245	LEVEWER					Mascot
984.4243	984.4249	0.0006	1	1211	1218	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.4249	0.0006	1	1211	1218	FSWGAECK	41	97.871	Carbamidomethyl (C)[7]		Mascot
1109.4818	1109.4979	0.0161	15	1087	1097	SHSTSSSSSSR					Mascot
1118.682	1118.6837	0.0017	2	1246	1255	LPIIVTTYAK	68	99.996			Mascot
1118.682	1118.6837	0.0017	2	1246	1255	LPIIVTTYAK					Mascot
1287.6691	1287.673	0.0039	3	1226	1238	AEAGVLGEFPAAR	112	100			Mascot
1287.6691	1287.673	0.0039	3	1226	1238	AEAGVLGEFPAAR					Mascot

		1369.6569	1369.7288	0.0719	52	1207	1218	VTGKFSWGAECK				Carbamidomethyl (C)[11]		Mascot
		1796.9581	1797.0122	0.0541	30	342	356	LSTLDKFEAIWAQFK						Mascot
		1826.9799	1826.9792	-0.0007	0	1164	1179	LLGYQLAAYFDKPTAR						Mascot
		1826.9799	1826.9792	-0.0007	0	1164	1179	LLGYQLAAYFDKPTAR	139	100				Mascot
		2060.1426	2060.1394	-0.0032	-2	1239	1255	LEVEWERLPIIVTTYAK						Mascot
		3337.7539	3337.7449	-0.009	-3	1164	1193	LLGYQLAAYFDKPTARVQ LIASSIAENDNR						Mascot
9	Zgc:136383 [Danio rerio]					gi 92097636	28809.9	9.33	7	255	100	226	100	
	Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification		Rank	Result Type
		826.4457	826.4503	0.0046	6	136	142 QYAVFAK							Mascot
		960.4785	960.4794	0.0009	1	156	162 LEVEWER	45	99.139					Mascot
		960.4785	960.4794	0.0009	1	156	162 LEVEWER							Mascot
		984.4243	984.4249	0.0006	1	128	135 FSWGAECK				Carbamidomethyl (C)[7]			Mascot
		984.4243	984.4249	0.0006	1	128	135 FSWGAECK	41	97.871	Carbamidomethyl (C)[7]				Mascot
		1045.5465	1045.5681	0.0216	21	246	253 DFLSWIHK							Mascot
		1118.5986	1118.6837	0.0851	76	217	225 IPEITMSRR				Oxidation (M)[6]			Mascot
		1118.5986	1118.6837	0.0851	76	217	225 IPEITMSRR				Oxidation (M)[6]			Mascot
		1676.7653	1676.861	0.0957	57	1	15 MLPLSSSMSSSRMSK				Oxidation (M)[1,8,13]			Mascot
		1826.9799	1826.9792	-0.0007	0	81	96 LLGYQLAAYFDKPTAR							Mascot
		1826.9799	1826.9792	-0.0007	0	81	96 LLGYQLAAYFDKPTAR	139	100					Mascot
10	Vtg5 protein [Danio rerio]					gi 148744685	27543.3	9.2	6	249	100	226	100	
	Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification		Rank	Result Type
		826.4457	826.4503	0.0046	6	124	130 QYAVFAK							Mascot
		960.4785	960.4794	0.0009	1	144	150 LEVEWER	45	99.139					Mascot
		960.4785	960.4794	0.0009	1	144	150 LEVEWER							Mascot
		984.4243	984.4249	0.0006	1	116	123 FSWGAECK				Carbamidomethyl (C)[7]			Mascot
		984.4243	984.4249	0.0006	1	116	123 FSWGAECK	41	97.871	Carbamidomethyl (C)[7]				Mascot
		1369.6569	1369.7288	0.0719	52	112	123 VTGKFSWGAECK				Carbamidomethyl (C)[11]			Mascot
		1376.7069	1376.6899	-0.017	-12	165	176 HILNAAYNTGFR							Mascot
		1826.9799	1826.9792	-0.0007	0	69	84 LLGYQLAAYFDKPTAR							Mascot
		1826.9799	1826.9792	-0.0007	0	69	84 LLGYQLAAYFDKPTAR	139	100					Mascot
11	vitellogenin 6 [Danio rerio]					gi 57864787	38968.8	8.92	6	247	100	226	100	

Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type	
	826.4457	826.4503	0.0046	6	235	241	QYAVFAK					Mascot	
	960.4785	960.4794	0.0009	1	255	261	LEVEWER	45	99.139			Mascot	
	960.4785	960.4794	0.0009	1	255	261	LEVEWER					Mascot	
	984.4243	984.4249	0.0006	1	227	234	FSWGAECK			Carbamidomethyl (C)[7]		Mascot	
	984.4243	984.4249	0.0006	1	227	234	FSWGAECK	41	97.871	Carbamidomethyl (C)[7]		Mascot	
	1826.9799	1826.9792	-0.0007	0	180	195	LLGYQLAAYFDKPTAR					Mascot	
	1826.9799	1826.9792	-0.0007	0	180	195	LLGYQLAAYFDKPTAR	139	100			Mascot	
	1958.0189	1958.0194	0.0005	0	291	308	ATNSEKEIELTAALPSQR					Mascot	
	2299.2292	2299.1763	-0.0529	-23	31	50	QINIIDDDTPEGQAFLLKL R					Mascot	
12	Zgc:136383 protein [Danio rerio]				gi 125857991		148644.2	8.93	13	242	100	226	100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
826.4457	826.4503	0.0046	6	1235	1241	QYAVFAK				Mascot
864.4461	864.4877	0.0416	48	86	93	DSFVPATK				Mascot
960.4785	960.4794	0.0009	1	1255	1261	LEVEWER	45	99.139		Mascot
960.4785	960.4794	0.0009	1	1255	1261	LEVEWER				Mascot
984.4243	984.4249	0.0006	1	1227	1234	FSWGAECK			Carbamidomethyl (C)[7]	Mascot
984.4243	984.4249	0.0006	1	1227	1234	FSWGAECK	41	97.871	Carbamidomethyl (C)[7]	Mascot
992.5015	992.467	-0.0345	-35	614	621	LMNCKLDR				Mascot
992.5015	992.467	-0.0345	-35	614	621	LMNCKLDR				Mascot
1045.5465	1045.5681	0.0216	21	1345	1352	DFLSWIHK				Mascot
1118.5986	1118.6837	0.0851	76	1316	1324	IPEITMSRR			Oxidation (M)[6]	Mascot
1118.5986	1118.6837	0.0851	76	1316	1324	IPEITMSRR			Oxidation (M)[6]	Mascot
1369.7032	1369.7288	0.0256	19	827	837	LESMTYEQLKK				Mascot
1382.7889	1382.7717	-0.0172	-12	302	314	ISDAPAQIVEVLK				Mascot
1796.8928	1797.0122	0.1194	66	71	85	LMDPLLYEYAGTWPK				Mascot
1826.9799	1826.9792	-0.0007	0	1180	1195	LLGYQLAAYFDKPTAR				Mascot
1826.9799	1826.9792	-0.0007	0	1180	1195	LLGYQLAAYFDKPTAR	139	100		Mascot
2233.2009	2233.0803	-0.1206	-54	592	613	SLTRITAPDMAYVAGAAN VAIK				Mascot
2249.1958	2249.0649	-0.1309	-58	592	613	SLTRITAPDMAYVAGAAN VAIK			Oxidation (M)[10]	Mascot
2299.2292	2299.1763	-0.0529	-23	1038	1057	QINIIDDDTPEGQAFLLKL				Mascot

13

Zgc:136383 protein [Danio rerio]

R

gi|159155252

123957.1

8.78

11

242

100

226

100

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
826.4457	826.4503	0.0046	6	1013	1019	QYAVFAK					Mascot
960.4785	960.4794	0.0009	1	1033	1039	LEVEWER	45	99.139			Mascot
960.4785	960.4794	0.0009	1	1033	1039	LEVEWER					Mascot
984.4243	984.4249	0.0006	1	1005	1012	FSWGAECK				Carbamidomethyl (C)[7]	Mascot
984.4243	984.4249	0.0006	1	1005	1012	FSWGAECK	41	97.871		Carbamidomethyl (C)[7]	Mascot
992.5015	992.467	-0.0345	-35	392	399	LMNCKLDR					Mascot
992.5015	992.467	-0.0345	-35	392	399	LMNCKLDR					Mascot
1045.5465	1045.5681	0.0216	21	1123	1130	DFLSWIHK					Mascot
1118.5986	1118.6837	0.0851	76	1094	1102	IPEITMSRR				Oxidation (M)[6]	Mascot
1118.5986	1118.6837	0.0851	76	1094	1102	IPEITMSRR				Oxidation (M)[6]	Mascot
1369.7032	1369.7288	0.0256	19	605	615	LESMTYEQLKK					Mascot
1382.7889	1382.7717	-0.0172	-12	80	92	ISDAPAQIVEVLK					Mascot
1826.9799	1826.9792	-0.0007	0	958	973	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9792	-0.0007	0	958	973	LLGYQLAAYFDKPTAR	139	100			Mascot
2233.2009	2233.0803	-0.1206	-54	370	391	SLTRITAPDMAYVAGAAN VAIK					Mascot
2249.1958	2249.0649	-0.1309	-58	370	391	SLTRITAPDMAYVAGAAN VAIK				Oxidation (M)[10]	Mascot
2299.2292	2299.1763	-0.0529	-23	816	835	QINIIDDDTPEGQAFLKL R					Mascot

14

hypothetical protein LOC678536 [Danio rerio]

gi|160420306

148750.2

8.89

13

241

100

226

100

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
826.4457	826.4503	0.0046	6	1236	1242	QYAVFAK					Mascot
864.4461	864.4877	0.0416	48	87	94	DSFVPATK					Mascot
960.4785	960.4794	0.0009	1	1256	1262	LEVEWER	45	99.139			Mascot
960.4785	960.4794	0.0009	1	1256	1262	LEVEWER					Mascot
984.4243	984.4249	0.0006	1	1228	1235	FSWGAECK				Carbamidomethyl (C)[7]	Mascot
984.4243	984.4249	0.0006	1	1228	1235	FSWGAECK	41	97.871		Carbamidomethyl (C)[7]	Mascot
992.5015	992.467	-0.0345	-35	615	622	LMNCKLDR					Mascot
992.5015	992.467	-0.0345	-35	615	622	LMNCKLDR					Mascot
1045.5465	1045.5681	0.0216	21	1346	1353	DFLSWIHK					Mascot

	1118.5986	1118.6837	0.0851	76	1317	1325	IPEITMSRR						Oxidation (M)[6]	Mascot
	1118.5986	1118.6837	0.0851	76	1317	1325	IPEITMSRR						Oxidation (M)[6]	Mascot
	1369.7032	1369.7288	0.0256	19	828	838	LESMTYEQLKK							Mascot
	1382.7889	1382.7717	-0.0172	-12	303	315	ISDAPAQIVEVLK							Mascot
	1796.8928	1797.0122	0.1194	66	72	86	LMDPLLYEYAGTWPK							Mascot
	1826.9799	1826.9792	-0.0007	0	1181	1196	LLGYQLAAYFDKPTAR							Mascot
	1826.9799	1826.9792	-0.0007	0	1181	1196	LLGYQLAAYFDKPTAR	139	100					Mascot
	2233.2009	2233.0803	-0.1206	-54	593	614	SLTRITAPDMAYVAGAAN VAIK							Mascot
	2249.1958	2249.0649	-0.1309	-58	593	614	SLTRITAPDMAYVAGAAN VAIK						Oxidation (M)[10]	Mascot
	2299.2292	2299.1763	-0.0529	-23	1039	1058	QINIIDDDTPEGQAFLLKL R							Mascot
15	vitellogenin 6 [Danio rerio]				gi 303227889			150936.1	8.84	11	241	100	226	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4503	0.0046	6	1256	1262	QYAVFAK					Mascot
864.4461	864.4877	0.0416	48	98	105	DSFVPATK					Mascot
960.4785	960.4794	0.0009	1	1276	1282	LEVEWER	45	99.139			Mascot
960.4785	960.4794	0.0009	1	1276	1282	LEVEWER					Mascot
984.4243	984.4249	0.0006	1	1248	1255	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.4249	0.0006	1	1248	1255	FSWGAECK	41	97.871	Carbamidomethyl (C)[7]		Mascot
992.5015	992.467	-0.0345	-35	626	633	LMNCKLDR					Mascot
992.5015	992.467	-0.0345	-35	626	633	LMNCKLDR					Mascot
1369.7032	1369.7288	0.0256	19	839	849	LESMTYEQLKK					Mascot
1796.8928	1797.0122	0.1194	66	83	97	LMDPLLYEYAGTWPK					Mascot
1826.9799	1826.9792	-0.0007	0	1201	1216	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9792	-0.0007	0	1201	1216	LLGYQLAAYFDKPTAR	139	100			Mascot
1958.0189	1958.0194	0.0005	0	1312	1329	ATNSEKEIELTAALPSQR					Mascot
2233.2009	2233.0803	-0.1206	-54	604	625	SLTRITAPDMAYVAGAAN VAIK					Mascot
2249.1958	2249.0649	-0.1309	-58	604	625	SLTRITAPDMAYVAGAAN VAIK			Oxidation (M)[10]		Mascot
2299.2292	2299.1763	-0.0529	-23	1050	1069	QINIIDDDTPEGQAFLLKL R					Mascot

16 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733734 149808.5 8.83 11 239 100 226 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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[illegible]

Peptide Information										Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I.	% Modification			

	826.4457	826.4503	0.0046	6	544	550	QYAVFAK										Mascot
	960.4785	960.4794	0.0009	1	564	570	LEVEWER	45	99.139								Mascot
	960.4785	960.4794	0.0009	1	564	570	LEVEWER										Mascot
	984.4243	984.4249	0.0006	1	536	543	FSWGAECK					Carbamidomethyl (C)[7]					Mascot
	984.4243	984.4249	0.0006	1	536	543	FSWGAECK	41	97.871	Carbamidomethyl (C)[7]							Mascot
	1369.7032	1369.7288	0.0256	19	137	147	LESMTYEQLKK										Mascot
	1376.7069	1376.6899	-0.017	-12	585	596	HILNAAAYNTGFR										Mascot
	1826.9799	1826.9792	-0.0007	0	489	504	LLGYQLAAYFDKPTAR										Mascot
	1826.9799	1826.9792	-0.0007	0	489	504	LLGYQLAAYFDKPTAR	139	100								Mascot
	2299.2292	2299.1763	-0.0529	-23	348	367	QINIIDDDTPEGQAFLLKL R										Mascot
19	vitellogenin 5 [Danio rerio]						gi 68448530	148868	8.77	9	232	100	226	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4503	0.0046	6	1238	1244	QYAVFAK					Mascot
960.4785	960.4794	0.0009	1	1258	1264	LEVEWER	45	99.139			Mascot
960.4785	960.4794	0.0009	1	1258	1264	LEVEWER					Mascot
984.4243	984.4249	0.0006	1	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.4249	0.0006	1	1230	1237	FSWGAECK	41	97.871	Carbamidomethyl (C)[7]		Mascot
992.5015	992.467	-0.0345	-35	615	622	LMNCKLDR					Mascot
992.5015	992.467	-0.0345	-35	615	622	LMNCKLDR					Mascot
1369.7032	1369.7288	0.0256	19	828	838	LESMTYEQLKK					Mascot
1376.7069	1376.6899	-0.017	-12	1279	1290	HILNAAAYNTGFR					Mascot
1826.9799	1826.9792	-0.0007	0	1183	1198	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9792	-0.0007	0	1183	1198	LLGYQLAAYFDKPTAR	139	100			Mascot
2299.2292	2299.1763	-0.0529	-23	1039	1058	QINIIDDDTPEGQAFLLKL R					Mascot
2362.1926	2362.186	-0.0066	-3	597	619	ITAPDMASVAGAANVAIK LMNCK			Carbamidomethyl (C)[22], Oxidation (M)[6]		Mascot
2362.1926	2362.186	-0.0066	-3	597	619	ITAPDMASVAGAANVAIK LMNCK			Carbamidomethyl (C)[22], Oxidation (M)[6]		Mascot

20 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733731 149169.2 8.84 9 230 100 226 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4503	0.0046	6	1240	1246	QYAVFAK					Mascot
960.4785	960.4794	0.0009	1	1260	1266	LEVEWER	45	99.139			Mascot

21	Vtg6 protein [Danio rerio]	960.4785	960.4794	0.0009	1	1260	1266	LEVEWER									Mascot
		984.4243	984.4249	0.0006	1	1232	1239	FSWGAECK									Mascot
		984.4243	984.4249	0.0006	1	1232	1239	FSWGAECK	41	97.871	Carbamidomethyl (C)[7]					Mascot	
		992.5015	992.467	-0.0345	-35	619	626	LMNCKLDR								Mascot	
		992.5015	992.467	-0.0345	-35	619	626	LMNCKLDR								Mascot	
		1369.7032	1369.7288	0.0256	19	832	842	LESMTYEQLKK								Mascot	
		1376.7069	1376.6899	-0.017	-12	1281	1292	HILNAAYNTGFR								Mascot	
		1826.9799	1826.9792	-0.0007	0	1185	1200	LLGYQLAAYFDKPTAR								Mascot	
		1826.9799	1826.9792	-0.0007	0	1185	1200	LLGYQLAAYFDKPTAR	139	100						Mascot	
		2299.2292	2299.1763	-0.0529	-23	1043	1062	QINIIDDDTPEGQAFLLKL R								Mascot	
		2362.1926	2362.186	-0.0066	-3	601	623	ITAPDMASVAGAANVAIK LMNCK				Carbamidomethyl (C)[22], Oxidation (M)[6]				Mascot	
		2362.1926	2362.186	-0.0066	-3	601	623	ITAPDMASVAGAANVAIK LMNCK				Carbamidomethyl (C)[22], Oxidation (M)[6]				Mascot	
21	Vtg6 protein [Danio rerio]					gi 157422885	27937.4	9.18	4	98	100	86	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4503	0.0046	6	129	135	QYAVFAK					Mascot
960.4785	960.4794	0.0009	1	149	155	LEVEWER	45	99.139			Mascot
960.4785	960.4794	0.0009	1	149	155	LEVEWER					Mascot
984.4243	984.4249	0.0006	1	121	128	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.4249	0.0006	1	121	128	FSWGAECK	41	97.871	Carbamidomethyl (C)[7]		Mascot
1958.0189	1958.0194	0.0005	0	185	202	ATNSEKEIELTAALPSQR					Mascot

22	ATPase, Ca++ transporting, cardiac muscle, fast twitch 1 like [Danio rerio]	gj117606266	108861.1	5.05	16	53	76.102
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.381	826.4503	0.0693	84	669	675	RACCFAR					Mascot
960.5546	960.4794	-0.0752	-78	540	547	DKIMNVIK					Mascot
960.5546	960.4794	-0.0752	-78	540	547	DKIMNVIK					Mascot
976.5495	976.474	-0.0755	-77	540	547	DKIMNVIK			Oxidation (M)[4]		Mascot
982.4186	982.456	0.0374	38	121	128	EYEPEMGK					Mascot
1006.5237	1006.4045	-0.1192	-118	618	626	VIMITGDNK			Oxidation (M)[3]		Mascot
1045.5524	1045.5681	0.0157	15	111	120	NAESAIEALK					Mascot
1234.646	1234.6877	0.0417	34	602	612	KEVTGSIELCR					Mascot

	1287.709	1287.673	-0.036	-28	558	569	CLALATRDSPLK										Mascot
	1287.709	1287.673	-0.036	-28	558	569	CLALATRDSPLK										Mascot
	1347.6296	1347.7307	0.1011	75	670	681	ACCFARVEPSHK										Mascot
	1364.7361	1364.6969	-0.0392	-29	823	833	EPLISGWLFFR										Mascot
	1364.7361	1364.6969	-0.0392	-29	823	833	EPLISGWLFFR										Mascot
	1369.627	1369.7288	0.1018	74	36	47	YGYNELPAEEGK										Mascot
	1434.741	1434.7723	0.0313	22	509	521	MFVKGAPEGVIDR						Oxidation (M)[1]				Mascot
	1676.9159	1676.861	-0.0549	-33	820	833	SPKEPLISGWLFFR										Mascot
	1838.8875	1838.9092	0.0217	12	335	352	SLPSVETLGCTSVICSDK										Mascot
	1957.9501	1958.0194	0.0693	35	636	653	IGIFSEDEDVTGKAYTGR										Mascot
	2299.113	2299.1763	0.0633	28	437	456	VGEATETALCCLVEKMNVFK						Carbamidomethyl (C)[10,11]				Mascot
	2362.073	2362.186	0.113	48	581	601	FADYETDLTFVGCVGMLDPPR						Oxidation (M)[16]				Mascot
	2362.073	2362.186	0.113	48	581	601	FADYETDLTFVGCVGMLDPPR						Oxidation (M)[16]				Mascot
23	PREDICTED: rho GTPase-activating protein 21-like [Danio rerio]				gi 326679518		211650.9	8.29	22	47	19.022						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4893	826.4503	-0.039	-47	652	658	EVIRPGR					Mascot
850.4417	850.541	0.0993	117	225	231	VFSENVVR					Mascot
976.4886	976.474	-0.0146	-15	1917	1923	SRFYQYL					Mascot
992.5007	992.467	-0.0337	-34	1719	1728	STSSLSAPSR					Mascot
992.5007	992.467	-0.0337	-34	1719	1728	STSSLSAPSR					Mascot
996.4971	996.5963	0.0992	100	941	948	GHCLYLYK					Mascot
1016.4869	1016.4167	-0.0702	-69	1479	1486	NSFFMKDK					Mascot
1045.5248	1045.5681	0.0433	41	372	379	RLYMYGSR					Mascot
1211.5626	1211.7123	0.1497	124	1476	1484	EHRNSFFMK			Oxidation (M)[8]		Mascot
1234.6387	1234.6877	0.049	40	402	413	QKSASTTATPSR					Mascot
1279.6793	1279.7549	0.0756	59	2	12	SFLFSSQAKHK					Mascot
1369.6304	1369.7288	0.0984	72	1039	1050	EYNTLMSPPSSK			Oxidation (M)[6]		Mascot
1386.6694	1386.679	0.0096	7	447	458	LGGAECARNWPR			Carbamidomethyl (C)[6]		Mascot
1434.6754	1434.7723	0.0969	68	441	454	SASQERLGGAECAR					Mascot
1475.6986	1475.7582	0.0596	40	1077	1089	ATSPHSPNKEHDR					Mascot
1808.9501	1808.9325	-0.0176	-10	459	476	SASQDALPSTPTGVPKPR					Mascot
1908.9086	1908.8206	-0.088	-46	1224	1239	YADFIDGNRIEDPVER					Mascot

	1957.9647	1958.0194	0.0547	28	1168	1185	VPGNNAAISIMQEELNNK										Oxidation (M)[11]	Mascot
	2283.0723	2283.1689	0.0966	42	1781	1799	HTMGGQRDFAELDVIHD WR											Mascot
	2297.0137	2297.1631	0.1494	65	1431	1450	NNNPTQKQSHQSQEED AGR											Mascot
	2299.0674	2299.1763	0.1089	47	1781	1799	HTMGGQRDFAELDVIHD WR										Oxidation (M)[3]	Mascot
	2362.2263	2362.186	-0.0403	-17	455	476	NWPRSASQDALPSTPTG VPKPR											Mascot
	2362.2263	2362.186	-0.0403	-17	455	476	NWPRSASQDALPSTPTG VPKPR											Mascot
	2368.1826	2368.2502	0.0676	29	1121	1142	KPSPGVTFGVRLDDCPP AQNNR											Mascot
	3338.5588	3338.7573	0.1985	59	1513	1544	CSISDPSSQLDETTSDLG TMSSGASVPRTTRPR											Mascot

24

PREDICTED: serine/threonine-protein kinase pim-3-like

gi|326675215

23705.1

8.34

4

46

0

31

76.329

[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1211.6531	1211.7123	0.0592	49	110	119	SPYLGVTRYR					Mascot
1287.7015	1287.673	-0.0285	-22	44	55	KNNGLLSSEVAR	31	76.329			Mascot
1287.7015	1287.673	-0.0285	-22	44	55	KNNGLLSSEVAR					Mascot
1347.7015	1347.7307	0.0292	22	120	130	LQEGEPYRSIR					Mascot
1364.7419	1364.6969	-0.045	-33	184	195	TGPVLEEIIIEHK					Mascot
1364.7419	1364.6969	-0.045	-33	184	195	TGPVLEEIIIEHK					Mascot

25

PREDICTED: rho GTPase-activating protein 21-like

gi|326679516

203369.8

8.31

21

45

0

[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4893	826.4503	-0.039	-47	578	584	EVIRPGR					Mascot
850.4417	850.541	0.0993	117	151	157	VFSENV					Mascot
976.4886	976.474	-0.0146	-15	1843	1849	SRFYQYL					Mascot
992.5007	992.467	-0.0337	-34	1645	1654	STSSLSAPSR					Mascot
992.5007	992.467	-0.0337	-34	1645	1654	STSSLSAPSR					Mascot
996.4971	996.5963	0.0992	100	867	874	GHCLYLYK					Mascot
1016.4869	1016.4167	-0.0702	-69	1405	1412	NSFFMKDK					Mascot
1045.5248	1045.5681	0.0433	41	298	305	RLYMYGSR					Mascot
1211.5626	1211.7123	0.1497	124	1402	1410	EHRNSFFMK			Oxidation (M)[8]		Mascot
1234.6387	1234.6877	0.049	40	328	339	QKSASTTATPSR					Mascot

	1369.6304	1369.7288	0.0984	72	965	976	EYNTLMSPSSK		Oxidation (M)[6]	Mascot			
	1386.6694	1386.679	0.0096	7	373	384	LGGAECARNWPR		Carbamidomethyl (C)[6]	Mascot			
	1434.6754	1434.7723	0.0969	68	367	380	SASQERLGGAECAR			Mascot			
	1475.6986	1475.7582	0.0596	40	1003	1015	ATSPHSPNKEHDR			Mascot			
	1808.9501	1808.9325	-0.0176	-10	385	402	SASQDALPSTPTGVPKPR			Mascot			
	1908.9086	1908.8206	-0.088	-46	1150	1165	YADFIDGNRIEDPVER			Mascot			
	1957.9647	1958.0194	0.0547	28	1094	1111	VPGNNAAISIMQEELNNK		Oxidation (M)[11]	Mascot			
	2283.0723	2283.1689	0.0966	42	1707	1725	HTMGGQRDFAELDVIHDWR			Mascot			
	2297.0137	2297.1631	0.1494	65	1357	1376	NNNPTQKQSHQSQEEDAGR			Mascot			
	2299.0674	2299.1763	0.1089	47	1707	1725	HTMGGQRDFAELDVIHDWR		Oxidation (M)[3]	Mascot			
	2362.2263	2362.186	-0.0403	-17	381	402	NWPRSASQDALPSTPTGVPKPR			Mascot			
	2362.2263	2362.186	-0.0403	-17	381	402	NWPRSASQDALPSTPTGVPKPR			Mascot			
	2368.1826	2368.2502	0.0676	29	1047	1068	KPSPGVTFGVRLDDCPPAQNNR			Mascot			
	3338.5588	3338.7573	0.1985	59	1439	1470	CSISDPSSQLDETTSDLGTMSSGASVPRTRPR			Mascot			
26	PREDICTED: WD repeat- and FYVE domain-containing gi 326673033 protein 4 [Danio rerio]						526148.3	6.32	30	44	0	18	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.4716	801.3556	-0.116	-145	4367	4373	DVLVVEK					Mascot
809.3723	809.4208	0.0485	60	1217	1222	FCQQQR					Mascot
850.5145	850.541	0.0265	31	2616	2622	RSFSLLK					Mascot
992.5444	992.467	-0.0774	-78	3995	4003	LCSVVSSLK			Carbamidomethyl (C)[2]		Mascot
992.5444	992.467	-0.0774	-78	3995	4003	LCSVVSSLK			Carbamidomethyl (C)[2]		Mascot
1006.506	1006.4045	-0.1015	-101	4283	4291	ASMKDPVMK					Mascot
1016.4829	1016.4167	-0.0662	-65	1173	1180	MLQEQSHK			Oxidation (M)[1]		Mascot
1109.6538	1109.4979	-0.1559	-140	1300	1308	NHILSTLRR					Mascot
1118.5225	1118.6837	0.1612	144	3764	3773	GWVQDTAEGR					Mascot
1118.5225	1118.6837	0.1612	144	3764	3773	GWVQDTAEGR					Mascot
1179.6844	1179.6044	-0.08	-68	1279	1288	DQHIALLLR					Mascot
1211.7041	1211.7123	0.0082	7	2728	2737	LLTVVRHMSR					Mascot
1234.6394	1234.6877	0.0483	39	901	909	IMLQELCRR			Carbamidomethyl (C)[7], Oxidation (M)[2]		Mascot
1287.6903	1287.673	-0.0173	-13	2455	2467	APSVSVVSIESGR	18	0			Mascot
1287.6903	1287.673	-0.0173	-13	2455	2467	APSVSVVSIESGR					Mascot
1308.7747	1308.6965	-0.0782	-60	1482	1492	RILSSVLHQQK					Mascot

1309.7157	1309.6603	-0.0554	-42	4620	4629	HLVLCRELNR	Carbamidomethyl (C)[5]	Mascot
1320.6464	1320.5852	-0.0612	-46	4090	4101	DLSKPMGAQTEK	Oxidation (M)[6]	Mascot
1382.7175	1382.7717	0.0542	39	4652	4664	THGTLVGDWGR		Mascot
1386.5745	1386.679	0.1045	75	1322	1331	IMSDCCLCRR	Carbamidomethyl (C)[5,6,8], Oxidation (M)[2]	Mascot
1839.0044	1838.9092	-0.0952	-52	2811	2828	KSCLTVVYLNATAIGTGK		Mascot
1908.8513	1908.8206	-0.0307	-16	255	270	EKHLFCGCLSTSHMSR	Carbamidomethyl (C)[5], Oxidation (M)[14]	Mascot
1958.0276	1958.0194	-0.0082	-4	2717	2733	FSSACESHVRLTVVR	Carbamidomethyl (C)[5]	Mascot
1993.9907	1993.9703	-0.0204	-10	2521	2537	QIMCEFGLLSTLLTHCK	Carbamidomethyl (C)[4]	Mascot
2060.0593	2060.1394	0.0801	39	1988	2005	TELKVAICVSNPQPSNFR	Carbamidomethyl (C)[8]	Mascot
2076.1025	2076.1096	0.0071	3	1537	1554	GKPSLPPGLFEHHDLYIR		Mascot
2224.9355	2225.1248	0.1893	85	257	274	HLCFGCLSTSHMSRDCE K	Carbamidomethyl (C)[3,6,16]	Mascot
2224.9355	2225.1248	0.1893	85	257	274	HLCFGCLSTSHMSRDCE K	Carbamidomethyl (C)[3,6,16]	Mascot
2233.0127	2233.0803	0.0676	30	3183	3201	SWSFECLSCICPGFEVLQ K	Carbamidomethyl (C)[6]	Mascot
2283.1948	2283.1689	-0.0259	-11	2024	2043	IIQSSFMRSSNTVICSQIL R		Mascot
2284.1389	2284.165	0.0261	11	2349	2369	LGEALLHLGCFQKGDVP ESDR		Mascot
2299.1772	2299.1763	-0.0009	0	2789	2807	CAKHLIPGQWHHLCLVM AK	Carbamidomethyl (C)[1,14]	Mascot
2399.1167	2399.0737	-0.043	-18	3723	3741	SHIQMMHSENDRAIQW LR	Oxidation (M)[5]	Mascot
3337.6045	3337.7449	0.1404	42	3638	3666	EGQVSMADVSPWEEQ ATKSWQLFIDSQK		Mascot

27 novel protein similar to vertebrate trinucleotide repeat containing 15 (TNRC15, zgc:111944) [Danio

gi|169154899 152175.1 5.54 13 44 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
801.4213	801.3556	-0.0657	-82	923	928 QQELQR					Mascot
842.4478	842.5078	0.06	71	110	119 GGGTVAGAPR					Mascot
960.4744	960.4794	0.005	5	985	991 LEEERER	20	0			Mascot
960.4744	960.4794	0.005	5	985	991 LEEERER					Mascot
996.5359	996.5963	0.0604	61	1285	1293 FETVTSGKK					Mascot
1006.5316	1006.4045	-0.1271	-126	658	665 QQYALQQK					Mascot
1045.5272	1045.5681	0.0409	39	908	915 QQQEEQKK					Mascot
1347.5898	1347.7307	0.1409	105	203	212 FIHAECDNWR			Carbamidomethyl (C)[6]		Mascot
1475.6848	1475.7582	0.0734	50	202	212 KFIHAECDNWR			Carbamidomethyl (C)[7]		Mascot
1796.8634	1797.0122	0.1488	83	1238	1252 QNDNQKPKQQGQQQK					Mascot
1808.8635	1808.9325	0.069	38	1	15 MAETQTLNFGPEWLR			Oxidation (M)[1]		Mascot

1826.8234	1826.9792	0.1558	85	594	608	RGCDMEFQPLGEMIK	Carbamidomethyl (C)[3], Oxidation (M)[6]	Mascot
1826.8234	1826.9792	0.1558	85	594	608	RGCDMEFQPLGEMIK	Carbamidomethyl (C)[3], Oxidation (M)[6]	Mascot
1838.9541	1838.9092	-0.0449	-24	93	109	NFSMSVNSAAVLRRLTGR	Oxidation (M)[4]	Mascot
2297.1731	2297.1631	-0.01	-4	894	914	LEEEAAAAAALLRQQQ EEQK		Mascot

28 PREDICTED: serine/threonine-protein kinase ATR
[Danio rerio] gi|292610566 298997.8 7.68 25 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.4464	801.3556	-0.0908	-113	1317	1323	NQDALLK					Mascot
882.5407	882.5666	0.0259	29	1304	1311	IHALTSLK					Mascot
960.5546	960.4794	-0.0752	-78	1803	1811	LGQMLLAAK			Oxidation (M)[4]		Mascot
960.5546	960.4794	-0.0752	-78	1803	1811	LGQMLLAAK			Oxidation (M)[4]		Mascot
996.6199	996.5963	-0.0236	-24	1898	1906	AKEPVLALR					Mascot
1006.5051	1006.4045	-0.1006	-100	703	711	LQDSSTEVK					Mascot
1109.4966	1109.4979	0.0013	1	455	463	TQPMQVDMK			Oxidation (M)[4,8]		Mascot
1179.6337	1179.6044	-0.0293	-25	1177	1186	MMTTLRTGLR					Mascot
1211.6235	1211.7123	0.0888	73	1177	1186	MMTTLRTGLR			Oxidation (M)[1,2]		Mascot
1277.6656	1277.7037	0.0381	30	1550	1560	EVTEEIMAVLK			Oxidation (M)[7]		Mascot
1287.6224	1287.673	0.0506	39	1513	1522	VFNCCSFIK			Carbamidomethyl (C)[4,5]		Mascot
1287.7267	1287.673	-0.0537	-42	869	880	NTLILTGEIGR	4	0			Mascot
1309.7223	1309.6603	-0.062	-47	2587	2597	AKTHVLDIEQR					Mascot
1320.6287	1320.5852	-0.0435	-33	453	463	DKTQPMQVDMK					Mascot
1347.7235	1347.7307	0.0072	5	2533	2543	QACEVILRLMR			Oxidation (M)[10]		Mascot
1382.7205	1382.7717	0.0512	37	1152	1163	KMALNSLSMLMK			Oxidation (M)[2]		Mascot
1386.6544	1386.679	0.0246	18	1037	1048	YIFSHLVCSCSK					Mascot
1434.7375	1434.7723	0.0348	24	1049	1059	EELERAFHYLK					Mascot
1475.6327	1475.7582	0.1255	85	113	125	IAACECEDLHMK			Oxidation (M)[12]		Mascot
1493.757	1493.7354	-0.0216	-14	1653	1664	AVMHFESFIREK					Mascot
1796.9141	1797.0122	0.0981	55	1153	1168	MALNSLSMLKLMGPK			Oxidation (M)[1,7]		Mascot
1808.9186	1808.9325	0.0139	8	1507	1522	HELAGKVFNCCSFIK					Mascot
1848.8433	1848.9583	0.115	62	1981	1996	GVQQCFPDDQTLTDPK			Carbamidomethyl (C)[5]		Mascot
1909.0112	1908.8206	-0.1906	-100	163	178	NLMTRPSPQWPVVVER					Mascot
1994.0011	1993.9703	-0.0308	-15	902	920	SNPVSAAYTEIQALATC R					Mascot
2249.1052	2249.0649	-0.0403	-18	466	484	SEVWAAVDCRLEELLTQ MR					Mascot
2297.166	2297.1631	-0.0029	-1	569	589	ILDAVLYLSNNLFAANSES					Mascot

29 PREDICTED: tetratricopeptide repeat protein 34-like DK
 [Danio rerio] gi|326679115 119668.1 7.99 17 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4791	882.5666	0.0875	99	126	133	QTPQPVGGR					Mascot
960.4897	960.4794	-0.0103	-11	847	854	QVFGQEPR					Mascot
960.4897	960.4794	-0.0103	-11	847	854	QVFGQEPR					Mascot
976.5686	976.474	-0.0946	-97	941	947	LQYLRQR					Mascot
996.4791	996.5963	0.1172	118	656	663	HCHTASKR			Carbamidomethyl (C)[2]		Mascot
1109.5739	1109.4979	-0.076	-68	189	197	AFYQQLSPR					Mascot
1118.5259	1118.6837	0.1578	141	1076	1085	REVSGPCTVN			Carbamidomethyl (C)[7]		Mascot
1118.5259	1118.6837	0.1578	141	1076	1085	REVSGPCTVN			Carbamidomethyl (C)[7]		Mascot
1165.6252	1165.7491	0.1239	106	1050	1059	AWFLTETGLK					Mascot
1179.6302	1179.6044	-0.0258	-22	1028	1036	QRLAEMYLR					Mascot
1279.6528	1279.7549	0.1021	80	241	252	ELQAAELFSSGK					Mascot
1308.6881	1308.6965	0.0084	6	700	710	ARCYALLGQWK					Mascot
1364.6957	1364.6969	0.0012	1	430	440	GYSRLFIEDHK					Mascot
1364.6957	1364.6969	0.0012	1	430	440	GYSRLFIEDHK					Mascot
1369.7144	1369.7288	0.0144	11	143	155	ALACLLSDPQNPK					Mascot
1493.8435	1493.7354	-0.1081	-72	177	188	ERQTQHVELIHK					Mascot
1909.0331	1908.8206	-0.2125	-111	189	204	AFYQQLSPRYPIQGK					Mascot
1994.0201	1993.9703	-0.0498	-25	836	854	GDVNAAGAHKQVFGQEPR					Mascot
2299.1797	2299.1763	-0.0034	-1	490	508	LQLQDAAVTVRCLVPWNCR			Carbamidomethyl (C)[12,18]		Mascot
2362.1277	2362.186	0.0583	25	801	820	EEHLREAFLISGALMNTDCR			Carbamidomethyl (C)[19]		Mascot
2362.1277	2362.186	0.0583	25	801	820	EEHLREAFLISGALMNTDCR			Carbamidomethyl (C)[19]		Mascot

30 immunoglobulin mu heavy chain [Danio rerio] gi|51559382 24154.7 8.14 7 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.4253	801.3556	-0.0697	-87	174	180	WKDPAGK					Mascot
864.4097	864.4877	0.078	90	208	214	SDWIDTK					Mascot
992.5047	992.467	-0.0377	-38	207	214	KSDWIDTK					Mascot
992.5047	992.467	-0.0377	-38	207	214	KSDWIDTK					Mascot

	1320.5776	1320.5852	0.0076	6	103	113	TEDTAVYYCAK				Carbamidomethyl (C)[9]	Mascot
	1363.6106	1363.7021	0.0915	67	114	124	WSGFAFDYWGK					Mascot
	2362.1343	2362.186	0.0517	22	83	102	FTVSRDDSSQLYLQMN NLK				Oxidation (M)[16]	Mascot
	2362.1343	2362.186	0.0517	22	83	102	FTVSRDDSSQLYLQMN NLK				Oxidation (M)[16]	Mascot
	3337.6851	3337.7449	0.0598	18	59	87	ALEWIAYISTQSSPIYYSQ SVQGRFTVSR					Mascot
31	ADP/ATP translocase 1 [Danio rerio]				gi 47550717		32667.2	9.74	8	40	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	976.5825	976.474	-0.1085	-111	97	105	KIFLGGVDK					Mascot
	984.4423	984.4249	-0.0174	-18	238	245	MMMQSGRK			Oxidation (M)[1]		Mascot
	984.4423	984.4249	-0.0174	-18	238	245	MMMQSGRK			Oxidation (M)[1]		Mascot
	996.4536	996.5963	0.1427	143	237	244	RMMMQSGR					Mascot
	1016.4321	1016.4167	-0.0154	-15	238	245	MMMQSGRK			Oxidation (M)[1,2,3]		Mascot
	1363.842	1363.7021	-0.1399	-103	32	43	VKLLLQVQHASK					Mascot
	1957.9728	1958.0194	0.0466	24	189	206	AAYFGIYDTAKGMLPDPK					Mascot
	2283.2053	2283.1689	-0.0364	-16	1	23	MSDAAISFLKDFLAGGVA AAISK					Mascot
	2284.2236	2284.165	-0.0586	-26	73	92	GNLANVIRYFPTQALNFA FK					Mascot
	2299.2002	2299.1763	-0.0239	-10	1	23	MSDAAISFLKDFLAGGVA AAISK			Oxidation (M)[1]		Mascot
	2362.3127	2362.186	-0.1267	-54	273	295	GALSNVIRGAGGAFVLVL YDEIK					Mascot
	2362.3127	2362.186	-0.1267	-54	273	295	GALSNVIRGAGGAFVLVL YDEIK					Mascot

32 tropomyosin alpha-4 chain isoform 2 [Danio rerio] gi|47085929 28484.4 4.63 8 40 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	960.5294	960.4794	-0.05	-52	93	100	VIENRAMK	9	0			Mascot
	960.5294	960.4794	-0.05	-52	93	100	VIENRAMK					Mascot
	976.5244	976.474	-0.0504	-52	93	100	VIENRAMK			Oxidation (M)[7]		Mascot
	1109.4891	1109.4979	0.0088	8	83	92	AADESERGMK			Oxidation (M)[9]		Mascot
	1234.5732	1234.6877	0.1145	93	143	153	AEERAEEVAECK					Mascot
	1277.6882	1277.7037	0.0155	12	1	12	MTGVTS�DAVKR					Mascot
	1308.6178	1308.6965	0.0787	60	198	208	EAETRAEFAER					Mascot
	1382.6798	1382.7717	0.0919	66	170	181	SLEAQAEKYSEK					Mascot

	1434.7322	1434.7723	0.0401	28	216	228	SIDDLEEKLSSAK									Mascot
	1493.7338	1493.7354	0.0016	1	105	116	MEIQEMQLKEAK						Oxidation (M)[1]			Mascot
33	novel protein similar to vertebrate tropomyosin 4 (TPM4) (zgc:63909) [Danio rerio]				gi 94732584		23517.9	4.6	7	40	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.5294	960.4794	-0.05	-52	49	56	VIENRAMK	9	0			Mascot
960.5294	960.4794	-0.05	-52	49	56	VIENRAMK					Mascot
976.5244	976.474	-0.0504	-52	49	56	VIENRAMK			Oxidation (M)[7]		Mascot
1109.4891	1109.4979	0.0088	8	39	48	AADESERGMK			Oxidation (M)[9]		Mascot
1234.5732	1234.6877	0.1145	93	99	109	AEERAEVAECK					Mascot
1308.6178	1308.6965	0.0787	60	154	164	EAETRAEFAER					Mascot
1382.6798	1382.7717	0.0919	66	126	137	SLEAQAEKYSEK					Mascot
1493.7338	1493.7354	0.0016	1	61	72	MEIQEMQLKEAK			Oxidation (M)[1]		Mascot
1908.9436	1908.8206	-0.123	-64	169	184	LEKSIDDLEDELYAQK					Mascot

34	Hook homolog 1 [Danio rerio]				gi 190339684		83123.4	5.24	8	40	0	35	90.98			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
809.3458	809.4208	0.075	93	587	592	KDEDMR			Oxidation (M)[5]		Mascot
842.5458	842.5078	-0.038	-45	636	642	KIALER					Mascot
960.4996	960.4794	-0.0202	-21	323	330	LEDLSDLR	35	90.98			Mascot
960.4996	960.4794	-0.0202	-21	323	330	LEDLSDLR					Mascot
976.488	976.474	-0.014	-14	643	650	ECEQAKLR					Mascot
992.5081	992.467	-0.0411	-41	332	339	QMKALEEK			Oxidation (M)[2]		Mascot
992.5081	992.467	-0.0411	-41	332	339	QMKALEEK			Oxidation (M)[2]		Mascot
1165.5956	1165.7491	0.1535	132	577	586	MDELMAALKK			Oxidation (M)[1]		Mascot
1363.6335	1363.7021	0.0686	50	282	293	NDELTSLAEEESR					Mascot
1364.6614	1364.6969	0.0355	26	177	188	ALEDLTEVMAEK			Oxidation (M)[9]		Mascot
1364.6614	1364.6969	0.0355	26	177	188	ALEDLTEVMAEK			Oxidation (M)[9]		Mascot

35	novel protein similar to vertebrate tropomyosin 4 (TPM4) (zgc:63909) [Danio rerio]				gi 94732583		23433.8	4.6	7	39	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	960.5294	960.4794	-0.05	-52	49	56	VIENRAMK	9	0			Mascot
	960.5294	960.4794	-0.05	-52	49	56	VIENRAMK					Mascot
	976.5244	976.474	-0.0504	-52	49	56	VIENRAMK			Oxidation (M)[7]		Mascot
	1109.4891	1109.4979	0.0088	8	39	48	AADESERGMK			Oxidation (M)[9]		Mascot
	1234.5732	1234.6877	0.1145	93	99	109	AEERAEVAECK					Mascot
	1308.6178	1308.6965	0.0787	60	154	164	EAETRAEFAER					Mascot
	1382.6798	1382.7717	0.0919	66	126	137	SLEAQAEKYSEK					Mascot
	1434.7322	1434.7723	0.0401	28	172	184	SIDDLLEKLSSAK					Mascot
	1493.7338	1493.7354	0.0016	1	61	72	MEIQEMQLKEAK			Oxidation (M)[1]		Mascot
36	novel protein similar to human titin (TTN) [Danio rerio]				gi 94732358	2437518.2	5.95	60	39	0	19	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
801.3447	801.3556	0.0109	14	1257	1263	TYTCDAK				Mascot
809.4515	809.4208	-0.0307	-38	1956	1961	TEYRLK				Mascot
826.4669	826.4503	-0.0166	-20	21022	21028	LTSYKSK				Mascot
842.4478	842.5078	0.06	71	14643	14649	RDLPEGR				Mascot
850.4668	850.541	0.0742	87	11818	11824	FTVENLK				Mascot
864.4825	864.4877	0.0052	6	14124	14130	FEVKDKV				Mascot
882.4791	882.5666	0.0875	99	7328	7334	KEEHAIR				Mascot
960.4632	960.4794	0.0162	17	957	965	DGNEITPSK				Mascot
960.4996	960.4794	-0.0202	-21	8299	8306	LDEILSDR	23	0		Mascot
976.5648	976.474	-0.0908	-93	18486	18493	WMKVATLK				Mascot
982.441	982.456	0.015	15	16436	16443	HCEHEVTK				Mascot
984.4818	984.4249	-0.0569	-58	15718	15725	ITGYMVER			Oxidation (M)[5]	Mascot
984.4818	984.4249	-0.0569	-58	15718	15725	ITGYMVER			Oxidation (M)[5]	Mascot
992.4294	992.467	0.0376	38	2060	2066	DNMYFFR				Mascot
992.4294	992.467	0.0376	38	2060	2066	DNMYFFR				Mascot
996.5359	996.5963	0.0604	61	3662	3669	LSYEQTKK				Mascot
1016.5047	1016.4167	-0.088	-87	2091	2099	FDVPDAPQK				Mascot
1051.6146	1051.7118	0.0972	92	10946	10955	VSEKPLPPGK				Mascot
1109.5409	1109.4979	-0.043	-39	2038	2046	KTWTMATDR				Mascot
1118.6681	1118.6837	0.0156	14	2025	2033	ILAYVVERR				Mascot
1118.6681	1118.6837	0.0156	14	2025	2033	ILAYVVERR				Mascot
1165.6324	1165.7491	0.1167	100	5141	5149	ITNYTIERR				Mascot

1179.6078	1179.6044	-0.0034	-3	17597	17605	ISWKLEEMK	Oxidation (M)[8]	Mascot
1211.7106	1211.7123	0.0017	1	5565	5575	QNAVVNNLVLK		Mascot
1277.6348	1277.7037	0.0689	54	5034	5044	GCPFPTLTWQK		Mascot
1279.7256	1279.7549	0.0293	23	15857	15867	LNTGTYELKIK		Mascot
1287.6328	1287.673	0.0402	31	7033	7042	KPKEADEWER		Mascot
1287.7089	1287.673	-0.0359	-28	11103	11113	ELNLVIKEACR		Mascot
1308.6464	1308.6965	0.0501	38	21769	21780	DNAVISITSNMK	Oxidation (M)[11]	Mascot
1309.6854	1309.6603	-0.0251	-19	5761	5772	NTLTTMCLGIVK	Oxidation (M)[6]	Mascot
1325.7358	1325.7599	0.0241	18	5424	5435	EKMVIHAGGVIR	Oxidation (M)[3]	Mascot
1325.7358	1325.7599	0.0241	18	5424	5435	EKMVIHAGGVIR	Oxidation (M)[3]	Mascot
1347.705	1347.7307	0.0257	19	3670	3681	GETALMVRDAIR	Oxidation (M)[6]	Mascot
1363.6787	1363.7021	0.0234	17	1861	1871	YQMISEGKVHR	Oxidation (M)[3]	Mascot
1364.6804	1364.6969	0.0165	12	759	769	DEARFEIELSR		Mascot
1364.6804	1364.6969	0.0165	12	759	769	DEARFEIELSR		Mascot
1369.7434	1369.7288	-0.0146	-11	13125	13137	TASKASEVPQPVR		Mascot
1382.7678	1382.7717	0.0039	3	5123	5134	AEQITLSWLPPK		Mascot
1386.6747	1386.679	0.0043	3	21293	21304	IEETTETAVHEK		Mascot
1434.7852	1434.7723	-0.0129	-9	7329	7340	EEHAIRWAPVVK		Mascot
1475.7601	1475.7582	-0.0019	-1	19309	19321	VFAENETGISRPR		Mascot
1676.8602	1676.861	0.0008	0	17412	17426	TWTEAAPKSTQTS LR		Mascot
1707.8547	1707.764	-0.0907	-53	9007	9021	DDGGSEVINYLEKR		Mascot
1796.984	1797.0122	0.0282	16	20487	20501	LLQRPPEFTLPLCNR		Mascot
1808.9177	1808.9325	0.0148	8	9394	9410	VTLTWTAPHEDGGSPIK		Mascot
1826.8412	1826.9792	0.138	76	5849	5864	DMWTTVTSTATTHTCK	Oxidation (M)[2]	Mascot
1826.9622	1826.9792	0.017	9	6952	6966	LVKAPLVQNCEYFFR		Mascot
1838.8271	1838.9092	0.0821	45	5776	5792	GHSWKYCVTVENCTGAR	Carbamidomethyl (C)[7]	Mascot
1848.9702	1848.9583	-0.0119	-6	10099	10114	ETTSQSWVELSLIIR		Mascot
1908.9008	1908.8206	-0.0802	-42	599	614	DEVTFDCELSRDVPVK	Carbamidomethyl (C)[7]	Mascot
1957.9601	1958.0194	0.0593	30	11905	11922	ESAQIETSSSYTSLVIDK		Mascot
2060.0447	2060.1394	0.0947	46	17877	17895	WSVPLNDGGSPITGYIVE R		Mascot
2076.1123	2076.1096	-0.0027	-1	12734	12752	DPFIHPGSPQIIEVTNIAK		Mascot
2211.1147	2211.1042	-0.0105	-5	15930	15948	VVWSVISEAMESRMVTV QK	Oxidation (M)[10,14]	Mascot
2233.0076	2233.0803	0.0727	33	13895	13914	VSAENETGVGECSDL SLFYR	Carbamidomethyl (C)[12]	Mascot
2249.2175	2249.0649	-0.1526	-68	671	690	DIKVVKPIYGVELFDGETA R		Mascot
2283.0269	2283.1689	0.142	62	1430	1450	MDDAGEYHCKLPASETT GTLK	Oxidation (M)[1]	Mascot

	2284.0583	2284.165	0.1067	47	9228	9248	ANTVNVVIDCAYTVADLQE GCK									Carbamidomethyl (C)[9]	Mascot
	2297.1382	2297.1631	0.0249	11	5165	5182	ERLYTIENLMPGHEYIFR									Oxidation (M)[10]	Mascot
	2299.1196	2299.1763	0.0567	25	928	947	LQDYTAVEKDEVLMCE VSK										Mascot
	2362.1165	2362.186	0.0695	29	18711	18731	VAAANRYGTGEYLQSEV VMCK									Carbamidomethyl (C)[20], Oxidation (M)[19]	Mascot
	2362.1165	2362.186	0.0695	29	18711	18731	VAAANRYGTGEYLQSEV VMCK									Carbamidomethyl (C)[20], Oxidation (M)[19]	Mascot
	2368.1965	2368.2502	0.0537	23	11414	11436	VIARNAAGVFSDPSYSTG PIMAK									Oxidation (M)[21]	Mascot
	2399.2864	2399.0737	-0.2127	-89	1661	1681	VNRPNVTQWMKAGQEI TLSK										Mascot
	3337.5527	3337.7449	0.1922	58	11839	11869	LGVGEHADVAGPICPED KTEEPDLIDAEFR										Mascot
	3338.5608	3338.7573	0.1965	59	15242	15269	AWVCVSSNCHSLTYKVE DLQEGAIYYFR									Carbamidomethyl (C)[4]	Mascot
37	protein Hook homolog 1 [Danio rerio]				gi 113676708		83063.4	5.24	8	39	0	35	90.98				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
809.3458	809.4208	0.075	93	587	592	KDEDMR				Oxidation (M)[5]		Mascot	
842.5458	842.5078	-0.038	-45	636	642	KIIALER						Mascot	
960.4996	960.4794	-0.0202	-21	323	330	LEDLSDLR	35	90.98				Mascot	
960.4996	960.4794	-0.0202	-21	323	330	LEDLSDLR						Mascot	
976.488	976.474	-0.014	-14	643	650	ECEQAKLR						Mascot	
992.5081	992.467	-0.0411	-41	332	339	QMKALEEK				Oxidation (M)[2]		Mascot	
992.5081	992.467	-0.0411	-41	332	339	QMKALEEK				Oxidation (M)[2]		Mascot	
1165.5956	1165.7491	0.1535	132	577	586	MDELMAALKK				Oxidation (M)[1]		Mascot	
1363.6335	1363.7021	0.0686	50	282	293	NDELTSLAESR						Mascot	
1364.6614	1364.6969	0.0355	26	177	188	ALEDLTEVMAEK				Oxidation (M)[9]		Mascot	
1364.6614	1364.6969	0.0355	26	177	188	ALEDLTEVMAEK				Oxidation (M)[9]		Mascot	

38 PREDICTED: desmoplakin [Danio rerio] gi|326664664 287023.8 6.6 24 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
864.388	864.4877	0.0997	115	250	256	DDLMSQR						Mascot	
882.5043	882.5666	0.0623	71	1885	1891	DIEHKLK						Mascot	
960.4857	960.4794	-0.0063	-7	242	249	SQEVDRAR						Mascot	
960.4857	960.4794	-0.0063	-7	242	249	SQEVDRAR						Mascot	
982.4622	982.456	-0.0062	-6	1	9	MSLSGSQTR				Oxidation (M)[1]		Mascot	

882.4791	882.5666	0.0875	99	7406	7412	KEEHAIR			Mascot
960.4996	960.4794	-0.0202	-21	8377	8384	LDEILSDR	23	0	Mascot
960.4996	960.4794	-0.0202	-21	8377	8384	LDEILSDR			Mascot
976.5648	976.474	-0.0908	-93	18658	18665	WMKVATLK			Mascot
982.441	982.456	0.015	15	16514	16521	HCEHEVTK			Mascot
984.4818	984.4249	-0.0569	-58	15796	15803	ITGYMVER		Oxidation (M)[5]	Mascot
984.4818	984.4249	-0.0569	-58	15796	15803	ITGYMVER		Oxidation (M)[5]	Mascot
992.4294	992.467	0.0376	38	2138	2144	DNMYFFR			Mascot
992.4294	992.467	0.0376	38	2138	2144	DNMYFFR			Mascot
996.5359	996.5963	0.0604	61	3740	3747	LSYEQTKK			Mascot
1016.5047	1016.4167	-0.088	-87	2169	2177	FDVPDAPQK			Mascot
1051.6146	1051.7118	0.0972	92	11024	11033	VSEKPLPPGK			Mascot
1109.5409	1109.4979	-0.043	-39	2116	2124	KTWTMATDR			Mascot
1118.6681	1118.6837	0.0156	14	2103	2111	ILAYVVERR			Mascot
1118.6681	1118.6837	0.0156	14	2103	2111	ILAYVVERR			Mascot
1165.6324	1165.7491	0.1167	100	5219	5227	ITNYTIERR			Mascot
1179.6078	1179.6044	-0.0034	-3	17675	17683	ISWKLEEMK		Oxidation (M)[8]	Mascot
1211.7106	1211.7123	0.0017	1	5643	5653	QNAVNNLVLK			Mascot
1277.6348	1277.7037	0.0689	54	5112	5122	GCPFPTLTWQK			Mascot
1279.7256	1279.7549	0.0293	23	15935	15945	LNTGTIELKIK			Mascot
1287.6328	1287.673	0.0402	31	7111	7120	KPKEADEWER			Mascot
1287.7089	1287.673	-0.0359	-28	11181	11191	ELNLVIKEACR			Mascot
1308.6464	1308.6965	0.0501	38	21941	21952	DNAVISITSNMK		Oxidation (M)[11]	Mascot
1309.6854	1309.6603	-0.0251	-19	5839	5850	NLTMTMCLGIVK		Oxidation (M)[6]	Mascot
1325.7358	1325.7599	0.0241	18	5502	5513	EKMVIHAGGVIR		Oxidation (M)[3]	Mascot
1325.7358	1325.7599	0.0241	18	5502	5513	EKMVIHAGGVIR		Oxidation (M)[3]	Mascot
1347.705	1347.7307	0.0257	19	3748	3759	GETALMVRDAIR		Oxidation (M)[6]	Mascot
1363.6787	1363.7021	0.0234	17	1939	1949	YQMISEGKVHR		Oxidation (M)[3]	Mascot
1364.6804	1364.6969	0.0165	12	837	847	DEARFEIELSR			Mascot
1364.6804	1364.6969	0.0165	12	837	847	DEARFEIELSR			Mascot
1369.7111	1369.7288	0.0177	13	3858	3868	EYIFRVTAENK			Mascot
1382.7678	1382.7717	0.0039	3	5201	5212	AEQITLSWLPPK			Mascot
1386.6747	1386.679	0.0043	3	21465	21476	IEETTETAVHEK			Mascot
1434.7852	1434.7723	-0.0129	-9	7407	7418	EEHAIRWAPVVK			Mascot
1475.7601	1475.7582	-0.0019	-1	19481	19493	VFAENETGISRPR			Mascot
1676.8602	1676.861	0.0008	0	17490	17504	TWTEAAPKSTQTSRLR			Mascot

1707.8547	1707.764	-0.0907	-53	9085	9099	DDGGSEVINYLEKR													Mascot
1796.984	1797.0122	0.0282	16	20659	20673	LLQRPPEFTLPLCNR													Mascot
1808.9177	1808.9325	0.0148	8	9472	9488	VTLTWTAPHEDGGSPIK													Mascot
1826.8412	1826.9792	0.138	76	5927	5942	DMWTTVTSATTKTHCK							Oxidation (M)[2]						Mascot
1826.9622	1826.9792	0.017	9	7030	7044	LVKAPLVQNCEYFFR													Mascot
1838.8271	1838.9092	0.0821	45	5854	5870	GHSCHKYCVTVENCTGAR							Carbamidomethyl (C)[7]						Mascot
1848.9702	1848.9583	-0.0119	-6	10177	10192	ETTSQSWVELSLIIR													Mascot
1908.9008	1908.8206	-0.0802	-42	677	692	DEVTFDCELSRDVPVK							Carbamidomethyl (C)[7]						Mascot
1957.9601	1958.0194	0.0593	30	11983	12000	ESAQIETSSSYTSLVIDK													Mascot
2060.0447	2060.1394	0.0947	46	17955	17973	WSVPLNDGGSPITGYIVE R													Mascot
2076.1123	2076.1096	-0.0027	-1	12812	12830	DPFIHPGSPQIIEVTNIAK													Mascot
2211.1147	2211.1042	-0.0105	-5	16008	16026	VVWSVISEAMESRMVTV QK							Oxidation (M)[10,14]						Mascot
2233.0076	2233.0803	0.0727	33	13973	13992	VSAENETGVGECSDL FYR							Carbamidomethyl (C)[12]						Mascot
2249.2175	2249.0649	-0.1526	-68	749	768	DIKVVKPIYGVELFDGETA R													Mascot
2283.0269	2283.1689	0.142	62	1508	1528	MDDAGEYHCKLPASETT GTLK							Oxidation (M)[1]						Mascot
2284.0583	2284.165	0.1067	47	9306	9326	ANTVNVIDCAYTVADLQE GCK							Carbamidomethyl (C)[9]						Mascot
2297.1382	2297.1631	0.0249	11	5243	5260	ERLYTIENLMPGHEYIFR							Oxidation (M)[10]						Mascot
2299.1196	2299.1763	0.0567	25	1006	1025	LQDYTAVEKDEVLMCE VSK													Mascot
2362.1165	2362.186	0.0695	29	18883	18903	VAAANRYGTGEYLGSEV VMCK							Carbamidomethyl (C)[20], Oxidation (M)[19]						Mascot
2362.1165	2362.186	0.0695	29	18883	18903	VAAANRYGTGEYLGSEV VMCK							Carbamidomethyl (C)[20], Oxidation (M)[19]						Mascot
2368.1965	2368.2502	0.0537	23	11492	11514	VIARNAAGVFSDPSYSTG PIMAK							Oxidation (M)[21]						Mascot
2399.2864	2399.0737	-0.2127	-89	1739	1759	VNRPNVTVQWMKAGQEI TLCK													Mascot
3337.5527	3337.7449	0.1922	58	11917	11947	LGVGEHADVAGPICPED KTEEPDLIDAEFR													Mascot
3338.5608	3338.7573	0.1965	59	15320	15347	AWVCVSSNCHSLTYKVE DLQEGAIYYFR							Carbamidomethyl (C)[4]						Mascot

40

PREDICTED: SAM and SH3 domain-containing protein 1-like [Danio rerio]

gi|125841197

113422.1

5.36

8

38

0

23

0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4628	850.541	0.0782	92	904	911	LVSTSTSR					Mascot
984.4686	984.4249	-0.0437	-44	130	136	SFWQNFR					Mascot
984.4686	984.4249	-0.0437	-44	130	136	SFWQNFR	23	0			Mascot
1118.5801	1118.6837	0.1036	93	68	77	RVTQEAETGK					Mascot
1118.5801	1118.6837	0.1036	93	68	77	RVTQEAETGK					Mascot

	1165.6364	1165.7491	0.1127	97	968	977	YGVPFSLVQR							Mascot
	1277.6656	1277.7037	0.0381	30	938	948	MASLEILVEEK					Oxidation (M)[1]		Mascot
	1347.5997	1347.7307	0.131	97	385	396	TCSFGGFDLTSR					Carbamidomethyl (C)[2]		Mascot
	2362.0422	2362.186	0.1438	61	492	515	SSLSGQSSMSGQTVSTT DSSASNR							Mascot
	2362.0422	2362.186	0.1438	61	492	515	SSLSGQSSMSGQTVSTT DSSASNR							Mascot
	3337.6018	3337.7449	0.1431	43	724	754	ATHLSRSSSGFESSHLSS PEFPIPLCHSSR							Mascot
41	ADP/ATP translocase 2 [Danio rerio]				gi 27545251		32742.1	9.78	8	38	0			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	984.4423	984.4249	-0.0174	-18	238	245	MMMQSGRK				Oxidation (M)[1]		Mascot
	984.4423	984.4249	-0.0174	-18	238	245	MMMQSGRK				Oxidation (M)[1]		Mascot
	996.4536	996.5963	0.1427	143	237	244	RMMMQSGR						Mascot
	1016.4321	1016.4167	-0.0154	-15	238	245	MMMQSGRK				Oxidation (M)[1,2,3]		Mascot
	1287.6912	1287.673	-0.0182	-14	53	63	GIMDCVVRIPK				Carbamidomethyl (C)[5]		Mascot
	1287.6912	1287.673	-0.0182	-14	53	63	GIMDCVVRIPK				Carbamidomethyl (C)[5]		Mascot
	1363.842	1363.7021	-0.1399	-103	32	43	VKLLQLVQHASK						Mascot
	1707.8481	1707.764	-0.0841	-49	148	163	AGAEREFSGLGNCLVK				Carbamidomethyl (C)[13]		Mascot
	1957.9728	1958.0194	0.0466	24	189	206	AAYFGIYDTAKGMLPDPK						Mascot
	2284.2236	2284.165	-0.0586	-26	73	92	GNLANVIRYFPTQALNFA FK						Mascot
	2299.2002	2299.1763	-0.0239	-10	1	23	MSETAISFAKDFLAGGIA AAISK						Mascot

42 novel protein [Danio rerio] gi|148725934 20790.5 5.31 7 37 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	842.3937	842.5078	0.1141	135	18	24	HINCAER						Mascot
	864.4131	864.4877	0.0746	86	2	8	EEVSCLK				Carbamidomethyl (C)[5]		Mascot
	960.5472	960.4794	-0.0678	-71	45	52	IRQEISSK						Mascot
	960.5472	960.4794	-0.0678	-71	45	52	IRQEISSK						Mascot
	1051.6007	1051.7118	0.1111	106	161	168	HQELQRLK						Mascot
	1179.6112	1179.6044	-0.0068	-6	1	10	MEEVSCLKLK						Mascot
	1848.9558	1848.9583	0.0025	1	110	125	VTQAEIMTLQQLLNCK				Oxidation (M)[7]		Mascot
	2399.1807	2399.0737	-0.107	-45	25	44	QHKAESVVNLISELQEQM CR				Carbamidomethyl (C)[19]		Mascot

43 SAM and SH3 domain containing 1 [Danio rerio] gi|113678490 130952.2 6.29 11 37 0 23 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4451	850.541	0.0959	113	452	458	SVKETMR					Mascot
976.517	976.474	-0.043	-44	805	814	KGSAAQTSR					Mascot
984.4686	984.4249	-0.0437	-44	134	140	SFWQNFR					Mascot
984.4686	984.4249	-0.0437	-44	134	140	SFWQNFR	23	0			Mascot
1045.4983	1045.5681	0.0698	67	1047	1055	MHSEGIDLK			Oxidation (M)[1]		Mascot
1277.6195	1277.7037	0.0842	66	759	769	SPDYPTLPMTR					Mascot
1347.6825	1347.7307	0.0482	36	1036	1046	MLDLETLLDR					Mascot
1363.6774	1363.7021	0.0247	18	1036	1046	MLDLETLLDR			Oxidation (M)[1]		Mascot
1808.9316	1808.9325	0.0009	0	602	616	FIYVDVLAEEEEKPK					Mascot
2297.1045	2297.1631	0.0586	26	1076	1095	YSEDFQQPAKDVASSLDQIR					Mascot
2362.0422	2362.186	0.1438	61	508	531	SSLSGGQSSMSGQTVSTTDSASNR					Mascot
2362.1707	2362.186	0.0153	6	759	779	SPDYPTLPMTRSTEALQ					Mascot
2399.2461	2399.0737	-0.1724	-72	575	596	GDVIDIISKPPMGTMWGLLNNK					Mascot

44 iron-sulfur cluster assembly enzyme [Danio rerio] gi|54261801 17796.2 8.7 4 37 0 20 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.5083	960.4794	-0.0289	-30	1	9	MALAAAAWR					Mascot
960.5359	960.4794	-0.0565	-59	107	115	GKSIDALK	22	0			Mascot
976.5032	976.474	-0.0292	-30	1	9	MALAAAAWR			Oxidation (M)[1]		Mascot
1045.5636	1045.5681	0.0045	4	44	53	NVGSLDKNAK					Mascot
2283.1545	2283.1689	0.0144	6	124	143	ELCLPPVKLHCSMLAEDIAIK			Carbamidomethyl (C)[3], Oxidation (M)[13]		Mascot

45 PREDICTED: dedicator of cytokinesis protein 7 [Danio rerio] gi|292612128 236179.1 6.42 14 37 0 22 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.3712	801.3556	-0.0156	-19	1781	1787	VGFGYGR					Mascot
960.5148	960.4794	-0.0354	-37	531	538	EVLEFPAR	23	0			Mascot
960.5148	960.4794	-0.0354	-37	531	538	EVLEFPAR					Mascot

	982.4727	982.456	-0.0167	-17	467	474	LSDEDLYK											Mascot
	1016.5007	1016.4167	-0.084	-83	1831	1839	DSNPVDKNK											Mascot
	1165.6146	1165.7491	0.1345	115	1736	1745	ILCPIHEANR											Mascot
	1287.6692	1287.673	0.0038	3	1014	1023	YHKDVELVER											Mascot
	1287.6692	1287.673	0.0038	3	1014	1023	YHKDVELVER											Mascot
	1308.6147	1308.6965	0.0818	63	376	386	LRAQAEQMCSR						Oxidation (M)[8]					Mascot
	1309.6283	1309.6603	0.032	24	1518	1528	QNFEIGNNFAR											Mascot
	1364.6991	1364.6969	-0.0022	-2	1506	1517	SHASASLYLLMR						Oxidation (M)[11]					Mascot
	1364.6991	1364.6969	-0.0022	-2	1506	1517	SHASASLYLLMR						Oxidation (M)[11]					Mascot
	1386.661	1386.679	0.018	13	612	622	SPEFYEEVKMK											Mascot
	1676.8822	1676.861	-0.0212	-13	759	774	ASMAALKGALLDTCVR						Carbamidomethyl (C)[14]					Mascot
	1826.8126	1826.9792	0.1666	91	129	143	YQCYSTLQTPHNSER											Mascot
	1826.8126	1826.9792	0.1666	91	129	143	YQCYSTLQTPHNSER											Mascot
	2225.1304	2225.1248	-0.0056	-3	917	936	MSAYIETTSLLCPPSRQIA K						Oxidation (M)[1]					Mascot
	2225.1304	2225.1248	-0.0056	-3	917	936	MSAYIETTSLLCPPSRQIA K						Oxidation (M)[1]					Mascot
	2368.2434	2368.2502	0.0068	3	270	289	FEIEIEPIFGSLALYDVRE K											Mascot

46

PERQ amino acid-rich with GYF domain-containing protein 2 [Danio rerio]

gi|71834468

152961.4

5.47

12

36

0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.4213	801.3556	-0.0657	-82	923	928	QQELQR					Mascot
842.4478	842.5078	0.06	71	110	119	GGGTVAGAPR					Mascot
960.4744	960.4794	0.005	5	985	991	LEEERER	20	0			Mascot
960.4744	960.4794	0.005	5	985	991	LEEERER					Mascot
996.5359	996.5963	0.0604	61	1291	1299	FETVTSGKK					Mascot
1006.5316	1006.4045	-0.1271	-126	658	665	QQYALQKK					Mascot
1045.5021	1045.5681	0.066	63	827	834	EQEEAQRR					Mascot
1347.5898	1347.7307	0.1409	105	203	212	FIHAECDNWR			Carbamidomethyl (C)[6]		Mascot
1475.6848	1475.7582	0.0734	50	202	212	KFIHAECDNWR			Carbamidomethyl (C)[7]		Mascot
1796.8634	1797.0122	0.1488	83	1245	1259	QNDNQKPKQQGQQQK					Mascot
1808.8635	1808.9325	0.069	38	1	15	MAETQTLNFGPEWLR			Oxidation (M)[1]		Mascot
1826.8597	1826.9792	0.1195	65	594	608	RGCVEMFQPLGEMIK			Carbamidomethyl (C)[3], Oxidation (M)[6,13]		Mascot
1826.8597	1826.9792	0.1195	65	594	608	RGCVEMFQPLGEMIK			Carbamidomethyl (C)[3], Oxidation (M)[6,13]		Mascot
1838.9541	1838.9092	-0.0449	-24	93	109	NFSMSVNSAAVRLTGR			Oxidation (M)[4]		Mascot

47 PREDICTED: hypothetical protein LOC100536975 gi|326679271 234171 8.98 23 36 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
850.4205	850.541	0.1205	142	201	207 AEFARW				Mascot
864.4131	864.4877	0.0746	86	1	8 MAEEALGK		Oxidation (M)[1]		Mascot
996.5624	996.5963	0.0339	34	173	180 WIPAPERK				Mascot
1006.5217	1006.4045	-0.1172	-116	201	208 AEFARWR				Mascot
1118.6567	1118.6837	0.027	24	1003	1013 KGVFAALGDIK				Mascot
1118.6567	1118.6837	0.027	24	1004	1014 GVFAALGDIKK				Mascot
1165.5887	1165.7491	0.1604	138	1450	1458 YSVEEWPKK				Mascot
1211.6266	1211.7123	0.0857	71	1132	1142 NEVVDPSQVPK				Mascot
1287.6903	1287.673	-0.0173	-13	278	288 KIQLVDSVDDR				Mascot
1287.6903	1287.673	-0.0173	-13	278	288 KIQLVDSVDDR				Mascot
1308.7383	1308.6965	-0.0418	-32	719	729 IDLLISHREGK				Mascot
1325.7113	1325.7599	0.0486	37	1284	1294 FHRSLTPPGWK				Mascot
1325.7113	1325.7599	0.0486	37	1284	1294 FHRSLTPPGWK				Mascot
1347.7002	1347.7307	0.0305	23	1819	1830 LETSELEEKA				Mascot
1364.7307	1364.6969	-0.0338	-25	38	48 LIESELKEEFK				Mascot
1364.7307	1364.6969	-0.0338	-25	38	48 LIESELKEEFK				Mascot
1376.7467	1376.6899	-0.0568	-41	1347	1359 AEICGAVFAARLR				Mascot
1382.5927	1382.7717	0.179	129	447	460 DSTEAGCIVCGAEK				Mascot
1493.8984	1493.7354	-0.163	-109	644	657 ITLVVHGVGKMAIR				Mascot
1796.7512	1797.0122	0.261	145	823	838 WDSIGTACEPKCGGCR		Carbamidomethyl (C)[8,12]		Mascot
1827.002	1826.9792	-0.0228	-12	1644	1660 AVPIPCSAWVSMLLAR				Mascot
1827.0334	1826.9792	-0.0542	-30	1143	1158 ESISQSKTIILPNQLR				Mascot
1838.783	1838.9092	0.1262	69	839	855 CGNCQPGGKEMTLAEER		Oxidation (M)[11]		Mascot
2211.0215	2211.1042	0.0827	37	816	833 EFIDWWKWDSIGTACEP K				Mascot
2299.1758	2299.1763	0.0005	0	1049	1069 VNIGDRPAGCIAQLAMRE TAR		Carbamidomethyl (C)[10]		Mascot
2368.1238	2368.2502	0.1264	53	1763	1783 AIHTDIVSDQSAEGFMLA YQR		Oxidation (M)[16]		Mascot

48 lysosomal cofactor/neurotrophic factor prosaposin gi|17985369 57393.6 4.86 5 36 0 24 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
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992.4539	992.467	0.0131	13	58	65	TVPCDLCK				Carbamidomethyl (C)[4,7]	Mascot
992.4539	992.467	0.0131	13	58	65	TVPCDLCK				Carbamidomethyl (C)[4,7]	Mascot
1045.4302	1045.5681	0.1379	132	508	515	CNALDHCR				Carbamidomethyl (C)[1,7]	Mascot
1287.7493	1287.673	-0.0763	-59	279	290	SIPAVKMFPVK	24	0			Mascot
1287.7493	1287.673	-0.0763	-59	279	290	SIPAVKMFPVK					Mascot
1382.598	1382.7717	0.1737	126	397	409	QHFAAGGFCDVCK					Mascot
1838.8717	1838.9092	0.0375	20	485	500	LLGLNQCSWGPAYWCK					Mascot

49 zinc finger CCHC domain-containing protein 9 [Danio rerio] gi|38198649 28388.1 9.59 8 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.3559	801.3556	-0.0003	0	185	191	ACPDNPK			Carbamidomethyl (C)[2]		Mascot
1279.5922	1279.7549	0.1627	127	173	184	CFVCGQTGHLSK					Mascot
1325.6195	1325.7599	0.1404	106	161	172	VDPAMGNYPYAK					Mascot
1325.6195	1325.7599	0.1404	106	161	172	VDPAMGNYPYAK					Mascot
1475.6478	1475.7582	0.1104	75	147	158	CGSTEHEIQRCR			Carbamidomethyl (C)[1]		Mascot
1808.8167	1808.9325	0.1158	64	142	156	GICYRCGSTEHEIQR			Carbamidomethyl (C)[3]		Mascot
1838.8014	1838.9092	0.1078	59	58	72	QHDNEDVNGFMEYLK					Mascot
2299.0845	2299.1763	0.0918	40	212	231	DCPEHQNSTNSITLGRLS NR			Carbamidomethyl (C)[2]		Mascot
3338.3862	3338.7573	0.3711	111	113	141	SNMICFNCRKPGHGLAD CPEANDEEMGR			Carbamidomethyl (C)[5,8], Oxidation (M)[3]		Mascot

50 PREDICTED: hypothetical protein LOC796277 [Danio rerio] gi|292622807 79431.9 5.54 1 31 76.329

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1287.7015	1287.673	-0.0285	-22	638	649	KNNGLLSESVAR	31	76.329		2	Mascot

Gel Idx/Pos	248/J24	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Vtg1 protein [Danio rerio]	gi 63100501	36409.1	9.23	11	649	100	589	100

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4424	-0.0033	-4	198	204	QYAVFAK					Mascot
960.4785	960.4742	-0.0043	-4	218	224	LEVEWER	49	99.691			Mascot
960.4785	960.4742	-0.0043	-4	218	224	LEVEWER					Mascot
984.4243	984.4195	-0.0048	-5	190	197	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]		Mascot
984.4243	984.4195	-0.0048	-5	190	197	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
998.5669	998.4368	-0.1301	-130	13	20	VWPEQVLK					Mascot
1118.682	1118.6768	-0.0052	-5	225	234	LPIIVTTYAK					Mascot
1287.6691	1287.6693	0.0002	0	205	217	AEAGVLGEFPAAR	112	100			Mascot
1287.6691	1287.6693	0.0002	0	205	217	AEAGVLGEFPAAR					Mascot
1327.7216	1327.7329	0.0113	9	260	271	EIELTAALPSQR					Mascot
1364.6957	1364.6938	-0.0019	-1	239	250	HILTAAYDTGFR	107	100			Mascot
1364.6957	1364.6938	-0.0019	-1	239	250	HILTAAYDTGFR					Mascot
1676.8523	1676.8547	0.0024	1	159	173	VQLIVSSIAENDNMK			Oxidation (M)[14]		Mascot
1826.9799	1826.9786	-0.0013	-1	143	158	LLGYQLAAYFDKPTAR	139	100			Mascot
1826.9799	1826.9786	-0.0013	-1	143	158	LLGYQLAAYFDKPTAR					Mascot
1958.0189	1958.0151	-0.0038	-2	254	271	ATNSEKEIELTAALPSQR	132	100			Mascot
1958.0189	1958.0151	-0.0038	-2	254	271	ATNSEKEIELTAALPSQR					Mascot

2 vitellogenin 1 [Danio rerio] gi|166795887 149452.5 8.68 15 619 100 589 100

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4424	-0.0033	-4	1238	1244	QYAVFAK					Mascot
960.4785	960.4742	-0.0043	-4	1258	1264	LEVEWER	49	99.691			Mascot
960.4785	960.4742	-0.0043	-4	1258	1264	LEVEWER					Mascot
984.4243	984.4195	-0.0048	-5	1230	1237	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]		Mascot
984.4243	984.4195	-0.0048	-5	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
992.5015	992.4612	-0.0403	-41	615	622	LMNCKLDR					Mascot
1088.5405	1088.5405	0	0	415	424	MTASLATHEK					Mascot
1118.682	1118.6768	-0.0052	-5	1265	1274	LPIIVTTYAK					Mascot
1287.6691	1287.6693	0.0002	0	1245	1257	AEAGVLGEFPAAR	112	100			Mascot
1287.6691	1287.6693	0.0002	0	1245	1257	AEAGVLGEFPAAR					Mascot
1327.7216	1327.7329	0.0113	9	1300	1311	EIELTAALPSQR					Mascot
1364.6957	1364.6938	-0.0019	-1	1279	1290	HILTAAYDTGFR	107	100			Mascot
1364.6957	1364.6938	-0.0019	-1	1279	1290	HILTAAYDTGFR					Mascot

1382.7889	1382.7771	-0.0118	-9	303	315	ISDAPAQIVEVLK											Mascot
1382.7889	1382.7771	-0.0118	-9	303	315	ISDAPAQIVEVLK											Mascot
1638.8485	1638.8556	0.0071	4	668	683	TYLAGAAADVVEFGVR											Mascot
1676.8523	1676.8547	0.0024	1	1199	1213	VQLIVSSIAENDNMK							Oxidation (M)[14]				Mascot
1826.9799	1826.9786	-0.0013	-1	1183	1198	LLGYQLAAYFDKPTAR		139		100							Mascot
1826.9799	1826.9786	-0.0013	-1	1183	1198	LLGYQLAAYFDKPTAR											Mascot
1958.0189	1958.0151	-0.0038	-2	1294	1311	ATNSEKEIELTAALPSQR		132		100							Mascot
1958.0189	1958.0151	-0.0038	-2	1294	1311	ATNSEKEIELTAALPSQR											Mascot
2233.2009	2233.0706	-0.1303	-58	593	614	SLTRITAPDMAYVAGAAN VAIK											Mascot

3 Vtg1 protein [Danio rerio] gi|145337918 116565.5 9.07 12 611 100 589 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
826.4457	826.4424	-0.0033	-4	944	950	QYAVFAK						Mascot
960.4785	960.4742	-0.0043	-4	964	970	LEVEWER	49		99.691			Mascot
960.4785	960.4742	-0.0043	-4	964	970	LEVEWER						Mascot
984.4243	984.4195	-0.0048	-5	936	943	FSWGAECK	52		99.808	Carbamidomethyl (C)[7]		Mascot
984.4243	984.4195	-0.0048	-5	936	943	FSWGAECK				Carbamidomethyl (C)[7]		Mascot
1088.5405	1088.5405	0	0	121	130	MTASLATHEK						Mascot
1118.682	1118.6768	-0.0052	-5	971	980	LPIIVTTYAK						Mascot
1287.6691	1287.6693	0.0002	0	951	963	AEAGVLGEFPAAR	112		100			Mascot
1287.6691	1287.6693	0.0002	0	951	963	AEAGVLGEFPAAR						Mascot
1327.7216	1327.7329	0.0113	9	1006	1017	EIELTAALPSQR						Mascot
1364.6957	1364.6938	-0.0019	-1	985	996	HILTAAYDTGFR	107		100			Mascot
1364.6957	1364.6938	-0.0019	-1	985	996	HILTAAYDTGFR						Mascot
1382.7889	1382.7771	-0.0118	-9	9	21	ISDAPAQIVEVLK						Mascot
1382.7889	1382.7771	-0.0118	-9	9	21	ISDAPAQIVEVLK						Mascot
1676.8523	1676.8547	0.0024	1	905	919	VQLIVSSIAENDNMK				Oxidation (M)[14]		Mascot
1826.9799	1826.9786	-0.0013	-1	889	904	LLGYQLAAYFDKPTAR	139		100			Mascot
1826.9799	1826.9786	-0.0013	-1	889	904	LLGYQLAAYFDKPTAR						Mascot
1958.0189	1958.0151	-0.0038	-2	1000	1017	ATNSEKEIELTAALPSQR	132		100			Mascot
1958.0189	1958.0151	-0.0038	-2	1000	1017	ATNSEKEIELTAALPSQR						Mascot

4 vitellogenin 1 [Danio rerio] gi|21391472 127954.2 8.69 12 609 100 589 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	%	Modification	Rank	Result Type
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				Seq.	Seq.	Score							
	826.4457	826.4424	-0.0033	-4	1045	1051	QYAVFAK						Mascot
	960.4785	960.4742	-0.0043	-4	1065	1071	LEVEWER	49	99.691				Mascot
	960.4785	960.4742	-0.0043	-4	1065	1071	LEVEWER						Mascot
	984.4243	984.4195	-0.0048	-5	1037	1044	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]			Mascot
	984.4243	984.4195	-0.0048	-5	1037	1044	FSWGAECK			Carbamidomethyl (C)[7]			Mascot
	1088.5405	1088.5405	0	0	224	233	MTASLATHEK						Mascot
	1118.682	1118.6768	-0.0052	-5	1072	1081	LPIIVTTYAK						Mascot
	1287.6691	1287.6693	0.0002	0	1052	1064	AEAGVLGEFPAAR	112	100				Mascot
	1287.6691	1287.6693	0.0002	0	1052	1064	AEAGVLGEFPAAR						Mascot
	1327.7216	1327.7329	0.0113	9	1107	1118	EIELTAALPSQR						Mascot
	1364.6957	1364.6938	-0.0019	-1	1086	1097	HILTAAYDTGFR	107	100				Mascot
	1364.6957	1364.6938	-0.0019	-1	1086	1097	HILTAAYDTGFR						Mascot
	1382.7889	1382.7771	-0.0118	-9	112	124	ISDAPAQIVEVLK						Mascot
	1382.7889	1382.7771	-0.0118	-9	112	124	ISDAPAQIVEVLK						Mascot
	1676.8523	1676.8547	0.0024	1	1006	1020	VQLIVSSIAENDNMK			Oxidation (M)[14]			Mascot
	1826.9799	1826.9786	-0.0013	-1	990	1005	LLGYQLAAYFDKPTAR	139	100				Mascot
	1826.9799	1826.9786	-0.0013	-1	990	1005	LLGYQLAAYFDKPTAR						Mascot
	1958.0189	1958.0151	-0.0038	-2	1101	1118	ATNSEKEIELTAALPSQR	132	100				Mascot
	1958.0189	1958.0151	-0.0038	-2	1101	1118	ATNSEKEIELTAALPSQR						Mascot
5	vitellogenin 1 [Danio rerio]				gi 94733730		149140.4	8.74	12	606	100	589	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4424	-0.0033	-4	1238	1244	QYAVFAK				Mascot
960.4785	960.4742	-0.0043	-4	1258	1264	LEVEWER	49	99.691		Mascot
960.4785	960.4742	-0.0043	-4	1258	1264	LEVEWER				Mascot
984.4243	984.4195	-0.0048	-5	1230	1237	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]	Mascot
984.4243	984.4195	-0.0048	-5	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]	Mascot
1088.5405	1088.5405	0	0	415	424	MTASLATHEK				Mascot
1118.682	1118.6768	-0.0052	-5	1265	1274	LPIIVTTYAK				Mascot
1287.6691	1287.6693	0.0002	0	1245	1257	AEAGVLGEFPAAR	112	100		Mascot
1287.6691	1287.6693	0.0002	0	1245	1257	AEAGVLGEFPAAR				Mascot
1327.7216	1327.7329	0.0113	9	1300	1311	EIELTAALPSQR				Mascot
1364.6957	1364.6938	-0.0019	-1	1279	1290	HILTAAYDTGFR	107	100		Mascot

	1364.6957	1364.6938	-0.0019	-1	1279	1290	HILTAAYDTGFR									Mascot
	1382.7889	1382.7771	-0.0118	-9	303	315	ISDAPAQIVEVLK									Mascot
	1382.7889	1382.7771	-0.0118	-9	303	315	ISDAPAQIVEVLK									Mascot
	1676.8523	1676.8547	0.0024	1	1199	1213	VQLIVSSIAENDNMK					Oxidation (M)[14]				Mascot
	1826.9799	1826.9786	-0.0013	-1	1183	1198	LLGYQLAAYFDKPTAR	139		100						Mascot
	1826.9799	1826.9786	-0.0013	-1	1183	1198	LLGYQLAAYFDKPTAR									Mascot
	1958.0189	1958.0151	-0.0038	-2	1294	1311	ATNSEKEIELTAALPSQR	132		100						Mascot
	1958.0189	1958.0151	-0.0038	-2	1294	1311	ATNSEKEIELTAALPSQR									Mascot
6	vitellogenin 6 [Danio rerio]				gi 57864787		38968.8	8.92	7	399	100	372	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
826.4457	826.4424	-0.0033	-4	235	241	QYAVFAK							Mascot
960.4785	960.4742	-0.0043	-4	255	261	LEVEWER	49	99.691					Mascot
960.4785	960.4742	-0.0043	-4	255	261	LEVEWER							Mascot
984.4243	984.4195	-0.0048	-5	227	234	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]				Mascot
984.4243	984.4195	-0.0048	-5	227	234	FSWGAECK			Carbamidomethyl (C)[7]				Mascot
1193.6348	1193.6091	-0.0257	-22	115	124	TATIMEPFRK							Mascot
1327.7216	1327.7329	0.0113	9	297	308	EIELTAALPSQR							Mascot
1826.9799	1826.9786	-0.0013	-1	180	195	LLGYQLAAYFDKPTAR	139	100					Mascot
1826.9799	1826.9786	-0.0013	-1	180	195	LLGYQLAAYFDKPTAR							Mascot
1958.0189	1958.0151	-0.0038	-2	291	308	ATNSEKEIELTAALPSQR	132	100					Mascot
1958.0189	1958.0151	-0.0038	-2	291	308	ATNSEKEIELTAALPSQR							Mascot

7	vitellogenin 7 [Danio rerio]				gi 57864789		24318.7	8.37	7	395	100	352	100			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
826.4457	826.4424	-0.0033	-4	93	99	QYAVFAK							Mascot
960.4785	960.4742	-0.0043	-4	113	119	LEVEWER	49	99.691					Mascot
960.4785	960.4742	-0.0043	-4	113	119	LEVEWER							Mascot
984.4243	984.4195	-0.0048	-5	85	92	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]				Mascot
984.4243	984.4195	-0.0048	-5	85	92	FSWGAECK			Carbamidomethyl (C)[7]				Mascot
1118.682	1118.6768	-0.0052	-5	120	129	LPIIVTTYAK							Mascot
1287.6691	1287.6693	0.0002	0	100	112	AEAGVLGEFPAAR	112	100					Mascot
1287.6691	1287.6693	0.0002	0	100	112	AEAGVLGEFPAAR							Mascot

	1826.9799	1826.9786	-0.0013	-1	38	53	LLGYQLAAYFDKPTAR	139	100					Mascot
	1826.9799	1826.9786	-0.0013	-1	38	53	LLGYQLAAYFDKPTAR							Mascot
	3337.7539	3337.7556	0.0017	1	38	67	LLGYQLAAYFDKPTARVQ LIASSIAENDNR							Mascot
8	vitellogenin 6 [Danio rerio]				gi 303227889		150936.1	8.84	10	383	100	372	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4424	-0.0033	-4	1256	1262	QYAVFAK					Mascot
960.4785	960.4742	-0.0043	-4	1276	1282	LEVEWER	49	99.691			Mascot
960.4785	960.4742	-0.0043	-4	1276	1282	LEVEWER					Mascot
984.4243	984.4195	-0.0048	-5	1248	1255	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]		Mascot
984.4243	984.4195	-0.0048	-5	1248	1255	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
992.5015	992.4612	-0.0403	-41	626	633	LMNCKLDR					Mascot
1193.6348	1193.6091	-0.0257	-22	1136	1145	TATIMEPFRK					Mascot
1327.7216	1327.7329	0.0113	9	1318	1329	EIELTAALPSQR					Mascot
1638.8485	1638.8556	0.0071	4	679	694	TYLAGAAADVVEFGVR					Mascot
1826.9799	1826.9786	-0.0013	-1	1201	1216	LLGYQLAAYFDKPTAR	139	100			Mascot
1826.9799	1826.9786	-0.0013	-1	1201	1216	LLGYQLAAYFDKPTAR					Mascot
1958.0189	1958.0151	-0.0038	-2	1312	1329	ATNSEKEIELTAALPSQR	132	100			Mascot
1958.0189	1958.0151	-0.0038	-2	1312	1329	ATNSEKEIELTAALPSQR					Mascot
2233.2009	2233.0706	-0.1303	-58	604	625	SLTRITAPDMAYVAGAAN VAIK					Mascot

9	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]				gi 94733734		149808.5	8.83	10	382	100	372	100	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4424	-0.0033	-4	1245	1251	QYAVFAK					Mascot
960.4785	960.4742	-0.0043	-4	1265	1271	LEVEWER	49	99.691			Mascot
960.4785	960.4742	-0.0043	-4	1265	1271	LEVEWER					Mascot
984.4243	984.4195	-0.0048	-5	1237	1244	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]		Mascot
984.4243	984.4195	-0.0048	-5	1237	1244	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
992.5015	992.4612	-0.0403	-41	619	626	LMNCKLDR					Mascot
1193.6348	1193.6091	-0.0257	-22	1125	1134	TATIMEPFRK					Mascot
1327.7216	1327.7329	0.0113	9	1307	1318	EIELTAALPSQR					Mascot
1638.8485	1638.8556	0.0071	4	672	687	TYLAGAAADVVEFGVR					Mascot
1826.9799	1826.9786	-0.0013	-1	1190	1205	LLGYQLAAYFDKPTAR	139	100			Mascot

		1826.9799	1826.9786	-0.0013	-1	1190	1205	LLGYQLAAYFDKPTAR								Mascot
		1958.0189	1958.0151	-0.0038	-2	1301	1318	ATNSEKEIELTAALPSQR	132	100						Mascot
		1958.0189	1958.0151	-0.0038	-2	1301	1318	ATNSEKEIELTAALPSQR								Mascot
		2233.2009	2233.0706	-0.1303	-58	597	618	SLTRITAPDMAYVAGAAN VAIK								Mascot
10	vitellogenin 7 [Danio rerio]						gi 156713467	148739.2	8.76	9	358	100	352	100		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4424	-0.0033	-4	1234	1240	QYAVFAK					Mascot
960.4785	960.4742	-0.0043	-4	1254	1260	LEVEWER	49	99.691			Mascot
960.4785	960.4742	-0.0043	-4	1254	1260	LEVEWER					Mascot
984.4243	984.4195	-0.0048	-5	1226	1233	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]		Mascot
984.4243	984.4195	-0.0048	-5	1226	1233	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1109.4818	1109.4917	0.0099	9	1087	1097	SHSTSSSSSSR					Mascot
1118.682	1118.6768	-0.0052	-5	1261	1270	LPIIVTTYAK					Mascot
1193.6083	1193.6091	0.0008	1	828	837	LESMTLDQLK			Oxidation (M)[4]		Mascot
1287.6691	1287.6693	0.0002	0	1241	1253	AEAGVLGEFPAAR	112	100			Mascot
1287.6691	1287.6693	0.0002	0	1241	1253	AEAGVLGEFPAAR					Mascot
1826.9799	1826.9786	-0.0013	-1	1179	1194	LLGYQLAAYFDKPTAR	139	100			Mascot
1826.9799	1826.9786	-0.0013	-1	1179	1194	LLGYQLAAYFDKPTAR					Mascot
3337.7539	3337.7556	0.0017	1	1179	1208	LLGYQLAAYFDKPTARVQ LIASSIAENDNR					Mascot

11	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]	gi 94732723	147084.2	8.73	9	357	100	352	100		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4424	-0.0033	-4	1219	1225	QYAVFAK					Mascot
960.4785	960.4742	-0.0043	-4	1239	1245	LEVEWER	49	99.691			Mascot
960.4785	960.4742	-0.0043	-4	1239	1245	LEVEWER					Mascot
984.4243	984.4195	-0.0048	-5	1211	1218	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]		Mascot
984.4243	984.4195	-0.0048	-5	1211	1218	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1109.4818	1109.4917	0.0099	9	1087	1097	SHSTSSSSSSR					Mascot
1118.682	1118.6768	-0.0052	-5	1246	1255	LPIIVTTYAK					Mascot
1193.6083	1193.6091	0.0008	1	828	837	LESMTLDQLK			Oxidation (M)[4]		Mascot
1287.6691	1287.6693	0.0002	0	1226	1238	AEAGVLGEFPAAR	112	100			Mascot

		1287.6691	1287.6693	0.0002	0	1226	1238	AEAGVLGEFPAAR									Mascot
		1826.9799	1826.9786	-0.0013	-1	1164	1179	LLGYQLAAYFDKPTAR	139	100							Mascot
		1826.9799	1826.9786	-0.0013	-1	1164	1179	LLGYQLAAYFDKPTAR									Mascot
		3337.7539	3337.7556	0.0017	1	1164	1193	LLGYQLAAYFDKPTARVQ LIASSIAENDNR									Mascot
12	Zgc:136383 [Danio rerio]					gi 92097636		28809.9	9.33	8	276	100	240	100			
	Peptide Information																
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification			Rank	Result	Type
		826.4457	826.4424	-0.0033	-4	136	142	QYAVFAK									Mascot
		960.4785	960.4742	-0.0043	-4	156	162	LEVEWER	49	99.691							Mascot
		960.4785	960.4742	-0.0043	-4	156	162	LEVEWER									Mascot
		984.4243	984.4195	-0.0048	-5	128	135	FSWGAECK	52	99.808		Carbamidomethyl (C)[7]					Mascot
		984.4243	984.4195	-0.0048	-5	128	135	FSWGAECK				Carbamidomethyl (C)[7]					Mascot
		1045.5465	1045.5583	0.0118	11	246	253	DFLSWIHK									Mascot
		1118.5986	1118.6768	0.0782	70	217	225	IPEITMSRR				Oxidation (M)[6]					Mascot
		1193.6348	1193.6091	-0.0257	-22	16	25	TATIMEPFRK									Mascot
		1676.7653	1676.8547	0.0894	53	1	15	MLPLSSSMSSSRMSK				Oxidation (M)[1,8,13]					Mascot
		1826.9799	1826.9786	-0.0013	-1	81	96	LLGYQLAAYFDKPTAR	139	100							Mascot
		1826.9799	1826.9786	-0.0013	-1	81	96	LLGYQLAAYFDKPTAR									Mascot
13	Vtg6 protein [Danio rerio]					gi 157422885		27937.4	9.18	7	262	100	233	100			
	Peptide Information																
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification			Rank	Result	Type
		826.4457	826.4424	-0.0033	-4	129	135	QYAVFAK									Mascot
		913.423	913.4474	0.0244	27	1	8	MSSSRMSK									Mascot
		960.4785	960.4742	-0.0043	-4	149	155	LEVEWER	49	99.691							Mascot
		960.4785	960.4742	-0.0043	-4	149	155	LEVEWER									Mascot
		984.4243	984.4195	-0.0048	-5	121	128	FSWGAECK	52	99.808		Carbamidomethyl (C)[7]					Mascot
		984.4243	984.4195	-0.0048	-5	121	128	FSWGAECK				Carbamidomethyl (C)[7]					Mascot
		1193.6348	1193.6091	-0.0257	-22	9	18	TATIMEPFRK									Mascot
		1327.7216	1327.7329	0.0113	9	191	202	EIELTAALPSQR									Mascot
		1958.0189	1958.0151	-0.0038	-2	185	202	ATNSEKEIELTAALPSQR	132	100							Mascot
		1958.0189	1958.0151	-0.0038	-2	185	202	ATNSEKEIELTAALPSQR									Mascot
14	vitellogenin 4 [Danio rerio]					gi 57864783		31189.9	9.48	6	259	100	240	100			

Peptide Information													
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
15	826.4457	826.4424	-0.0033	-4	162	168	QYAVFAK						Mascot
	960.4785	960.4742	-0.0043	-4	182	188	LEVEWER	49	99.691				Mascot
	960.4785	960.4742	-0.0043	-4	182	188	LEVEWER						Mascot
	984.4243	984.4195	-0.0048	-5	154	161	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]			Mascot
	984.4243	984.4195	-0.0048	-5	154	161	FSWGAECK			Carbamidomethyl (C)[7]			Mascot
	1118.5986	1118.6768	0.0782	70	243	251	IPEITMSRR			Oxidation (M)[6]			Mascot
	1193.6348	1193.6091	-0.0257	-22	42	51	TATIMEPFRK						Mascot
	1826.9799	1826.9786	-0.0013	-1	107	122	LLGYQLAAYFDKPTAR	139	100				Mascot
	1826.9799	1826.9786	-0.0013	-1	107	122	LLGYQLAAYFDKPTAR						Mascot
Vtg5 protein [Danio rerio]				gi 148744685		27543.3	9.2	5	258	100	240	100	
Peptide Information													
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	826.4457	826.4424	-0.0033	-4	124	130	QYAVFAK						Mascot
	960.4785	960.4742	-0.0043	-4	144	150	LEVEWER	49	99.691				Mascot
	960.4785	960.4742	-0.0043	-4	144	150	LEVEWER						Mascot
	984.4243	984.4195	-0.0048	-5	116	123	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]			Mascot
	984.4243	984.4195	-0.0048	-5	116	123	FSWGAECK			Carbamidomethyl (C)[7]			Mascot
	1376.7069	1376.6925	-0.0144	-10	165	176	HILNAAyntGFR						Mascot
	1826.9799	1826.9786	-0.0013	-1	69	84	LLGYQLAAYFDKPTAR	139	100				Mascot
	1826.9799	1826.9786	-0.0013	-1	69	84	LLGYQLAAYFDKPTAR						Mascot
	Zgc:136383 protein [Danio rerio]				gi 159155252		123957.1	8.78	11	252	100	240	100
Peptide Information													
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	826.4457	826.4424	-0.0033	-4	1013	1019	QYAVFAK						Mascot
	960.4785	960.4742	-0.0043	-4	1033	1039	LEVEWER	49	99.691				Mascot
	960.4785	960.4742	-0.0043	-4	1033	1039	LEVEWER						Mascot
	984.4243	984.4195	-0.0048	-5	1005	1012	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]			Mascot
	984.4243	984.4195	-0.0048	-5	1005	1012	FSWGAECK			Carbamidomethyl (C)[7]			Mascot
	992.5015	992.4612	-0.0403	-41	392	399	LMNCKLDR						Mascot
	1045.5465	1045.5583	0.0118	11	1123	1130	DFLSWIHK						Mascot

	1118.5986	1118.6768	0.0782	70	1094	1102	IPEITMSRR						Oxidation (M)[6]		Mascot
	1193.6348	1193.6091	-0.0257	-22	893	902	TATIMEPFRK								Mascot
	1381.619	1381.7281	0.1091	79	844	857	NAPVSESSSSSSSR								Mascot
	1382.7889	1382.7771	-0.0118	-9	80	92	ISDAPAQIVEVLK								Mascot
	1382.7889	1382.7771	-0.0118	-9	80	92	ISDAPAQIVEVLK								Mascot
	1826.9799	1826.9786	-0.0013	-1	958	973	LLGYQLAAYFDKPTAR	139		100					Mascot
	1826.9799	1826.9786	-0.0013	-1	958	973	LLGYQLAAYFDKPTAR								Mascot
	2233.2009	2233.0706	-0.1303	-58	370	391	SLTRITAPDMAYVAGAAN VAIK								Mascot
17	vitellogenin 5 [Danio rerio]				gi 57864785		72820.8	9	6	247	100	240	100		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
826.4457	826.4424	-0.0033	-4	544	550	QYAVFAK							Mascot
960.4785	960.4742	-0.0043	-4	564	570	LEVEWER	49	99.691					Mascot
960.4785	960.4742	-0.0043	-4	564	570	LEVEWER							Mascot
984.4243	984.4195	-0.0048	-5	536	543	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]				Mascot
984.4243	984.4195	-0.0048	-5	536	543	FSWGAECK			Carbamidomethyl (C)[7]				Mascot
1069.5021	1069.5568	0.0547	51	230	238	NIENHSAER							Mascot
1376.7069	1376.6925	-0.0144	-10	585	596	HILNAAyntGFR							Mascot
1826.9799	1826.9786	-0.0013	-1	489	504	LLGYQLAAYFDKPTAR	139	100					Mascot
1826.9799	1826.9786	-0.0013	-1	489	504	LLGYQLAAYFDKPTAR							Mascot

18	hypothetical protein LOC678536 [Danio rerio]				gi 160420306		148750.2	8.89	11	246	100	240	100		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
826.4457	826.4424	-0.0033	-4	1236	1242	QYAVFAK							Mascot
960.4785	960.4742	-0.0043	-4	1256	1262	LEVEWER	49	99.691					Mascot
960.4785	960.4742	-0.0043	-4	1256	1262	LEVEWER							Mascot
984.4243	984.4195	-0.0048	-5	1228	1235	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]				Mascot
984.4243	984.4195	-0.0048	-5	1228	1235	FSWGAECK			Carbamidomethyl (C)[7]				Mascot
992.5015	992.4612	-0.0403	-41	615	622	LMNCKLDR							Mascot
1045.5465	1045.5583	0.0118	11	1346	1353	DFLSWIHK							Mascot
1118.5986	1118.6768	0.0782	70	1317	1325	IPEITMSRR				Oxidation (M)[6]			Mascot
1193.6348	1193.6091	-0.0257	-22	1116	1125	TATIMEPFRK							Mascot
1381.619	1381.7281	0.1091	79	1067	1080	NAPVSESSSSSSSR							Mascot

	1382.7889	1382.7771	-0.0118	-9	303	315	ISDAPAQIVEVLK									Mascot
	1382.7889	1382.7771	-0.0118	-9	303	315	ISDAPAQIVEVLK									Mascot
	1826.9799	1826.9786	-0.0013	-1	1181	1196	LLGYQLAAYFDKPTAR	139	100							Mascot
	1826.9799	1826.9786	-0.0013	-1	1181	1196	LLGYQLAAYFDKPTAR									Mascot
	2233.2009	2233.0706	-0.1303	-58	593	614	SLTRITAPDMAYVAGAAN VAIK									Mascot
19	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733733 149143.4 8.92 11 245 100 240 100															

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4424	-0.0033	-4	1240	1246	QYAVFAK					Mascot
960.4785	960.4742	-0.0043	-4	1260	1266	LEVEWER	49	99.691			Mascot
960.4785	960.4742	-0.0043	-4	1260	1266	LEVEWER					Mascot
984.4243	984.4195	-0.0048	-5	1232	1239	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]		Mascot
984.4243	984.4195	-0.0048	-5	1232	1239	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
992.5015	992.4612	-0.0403	-41	619	626	LMNCKLDR					Mascot
1045.5465	1045.5583	0.0118	11	1350	1357	DFLSWIHK					Mascot
1118.5986	1118.6768	0.0782	70	1321	1329	IPEITMSRR			Oxidation (M)[6]		Mascot
1193.6348	1193.6091	-0.0257	-22	1120	1129	TATIMEPFRK					Mascot
1381.619	1381.7281	0.1091	79	1071	1084	NAPVSSESSSSSR					Mascot
1382.7889	1382.7771	-0.0118	-9	307	319	ISDAPAQIVEVLK					Mascot
1382.7889	1382.7771	-0.0118	-9	307	319	ISDAPAQIVEVLK					Mascot
1826.9799	1826.9786	-0.0013	-1	1185	1200	LLGYQLAAYFDKPTAR	139	100			Mascot
1826.9799	1826.9786	-0.0013	-1	1185	1200	LLGYQLAAYFDKPTAR					Mascot
2233.2009	2233.0706	-0.1303	-58	597	618	SLTRITAPDMAYVAGAAN VAIK					Mascot

20 vitellogenin 5 [Danio rerio] gi|68448530 148868 8.77 8 243 100 240 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4424	-0.0033	-4	1238	1244	QYAVFAK					Mascot
960.4785	960.4742	-0.0043	-4	1258	1264	LEVEWER	49	99.691			Mascot
960.4785	960.4742	-0.0043	-4	1258	1264	LEVEWER					Mascot
984.4243	984.4195	-0.0048	-5	1230	1237	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]		Mascot
984.4243	984.4195	-0.0048	-5	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
992.5015	992.4612	-0.0403	-41	615	622	LMNCKLDR					Mascot
1376.7069	1376.6925	-0.0144	-10	1279	1290	HILNAAyntGFR					Mascot

	1826.9799	1826.9786	-0.0013	-1	1183	1198	LLGYQLAAYFDKPTAR	139	100				Mascot
	1826.9799	1826.9786	-0.0013	-1	1183	1198	LLGYQLAAYFDKPTAR						Mascot
	1840.8938	1840.9373	0.0435	24	72	86	LMGPLLYEYAGTWPR			Oxidation (M)[2]			Mascot
	2362.1926	2362.1821	-0.0105	-4	597	619	ITAPDMASVAGAANVAIK LMNCK			Carbamidomethyl (C)[22], Oxidation (M)[6]			Mascot
	2362.1926	2362.1821	-0.0105	-4	597	619	ITAPDMASVAGAANVAIK LMNCK			Carbamidomethyl (C)[22], Oxidation (M)[6]			Mascot
21	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733731						149169.2	8.84	8	241	100	240	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
826.4457	826.4424	-0.0033	-4	1240	1246	QYAVFAK						Mascot	
960.4785	960.4742	-0.0043	-4	1260	1266	LEVEWER	49	99.691				Mascot	
960.4785	960.4742	-0.0043	-4	1260	1266	LEVEWER						Mascot	
984.4243	984.4195	-0.0048	-5	1232	1239	FSWGAECK	52	99.808	Carbamidomethyl (C)[7]			Mascot	
984.4243	984.4195	-0.0048	-5	1232	1239	FSWGAECK			Carbamidomethyl (C)[7]			Mascot	
992.5015	992.4612	-0.0403	-41	619	626	LMNCKLDR						Mascot	
1376.7069	1376.6925	-0.0144	-10	1281	1292	HILNAAYNTGFR						Mascot	
1826.9799	1826.9786	-0.0013	-1	1185	1200	LLGYQLAAYFDKPTAR	139	100				Mascot	
1826.9799	1826.9786	-0.0013	-1	1185	1200	LLGYQLAAYFDKPTAR						Mascot	
1840.8938	1840.9373	0.0435	24	76	90	LMGPLLYEYAGTWPR			Oxidation (M)[2]			Mascot	
2362.1926	2362.1821	-0.0105	-4	601	623	ITAPDMASVAGAANVAIK LMNCK			Carbamidomethyl (C)[22], Oxidation (M)[6]			Mascot	
2362.1926	2362.1821	-0.0105	-4	601	623	ITAPDMASVAGAANVAIK LMNCK			Carbamidomethyl (C)[22], Oxidation (M)[6]			Mascot	

22	ATPase, Ca++ transporting, cardiac muscle, fast twitch 1 like [Danio rerio] gi 117606266						108861.1	5.05	16	54	81.449		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
826.381	826.4424	0.0614	74	669	675	RACCFAR						Mascot	
911.4944	911.3965	-0.0979	-107	676	683	VEPSHKSK						Mascot	
913.4737	913.4474	-0.0263	-29	513	521	GAPEGVIDR						Mascot	
960.5546	960.4742	-0.0804	-84	540	547	DKIMNVIK						Mascot	
960.5546	960.4742	-0.0804	-84	540	547	DKIMNVIK						Mascot	
982.4186	982.4495	0.0309	31	121	128	EYEPENMGK						Mascot	
998.4135	998.4368	0.0233	23	121	128	EYEPENMGK			Oxidation (M)[6]			Mascot	
1045.5524	1045.5583	0.0059	6	111	120	NAESAIEALK						Mascot	

	1165.5735	1165.7374	0.1639	141	253	262	LDEFGEQLSK						Mascot
	1234.646	1234.6774	0.0314	25	602	612	KEVTGSIELCR						Mascot
	1287.709	1287.6693	-0.0397	-31	558	569	CLALATRDSPK						Mascot
	1287.709	1287.6693	-0.0397	-31	558	569	CLALATRDSPK						Mascot
	1364.7361	1364.6938	-0.0423	-31	823	833	EPLISGWLFRR						Mascot
	1364.7361	1364.6938	-0.0423	-31	823	833	EPLISGWLFRR						Mascot
	1404.6511	1404.7502	0.0991	71	670	681	ACCFARVEPSHK			Carbamidomethyl (C)[2]			Mascot
	1434.741	1434.7615	0.0205	14	509	521	MFVKGAPEGVIDR			Oxidation (M)[1]			Mascot
	1676.9159	1676.8547	-0.0612	-36	820	833	SPKEPLISGWLFRR						Mascot
	1838.8875	1838.9198	0.0323	18	335	352	SLPSVETLGCTSVICSDK						Mascot
	1957.9501	1958.0151	0.065	33	636	653	IGIFSEDEDVTGKAYTGR						Mascot
	1957.9501	1958.0151	0.065	33	636	653	IGIFSEDEDVTGKAYTGR						Mascot
	2362.073	2362.1821	0.1091	46	581	601	FADYETDLTFVGCVGML DPPR			Oxidation (M)[16]			Mascot
	2362.073	2362.1821	0.1091	46	581	601	FADYETDLTFVGCVGML DPPR			Oxidation (M)[16]			Mascot
23	25 kDa heat shock protein [Danio rerio]				gi 56554759		22360	6.52	8	52	73.186		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
897.4651	897.4583	-0.0068	-8	6	12	IPFSFMR					Mascot
911.4006	911.3965	-0.0041	-4	21	27	DWYQGSR					Mascot
913.46	913.4474	-0.0126	-14	6	12	IPFSFMR			Oxidation (M)[6]		Mascot
960.4533	960.4742	0.0209	22	136	143	DEHGFISR					Mascot
960.4533	960.4742	0.0209	22	136	143	DEHGFISR					Mascot
991.4631	991.4587	-0.0044	-4	13	20	SPSWDPFR					Mascot
1069.5612	1069.5568	-0.0044	-4	5	12	RIPFSFMR			Oxidation (M)[7]		Mascot
1088.5483	1088.5405	-0.0078	-7	135	143	KDEHGFISR					Mascot
1840.944	1840.9373	-0.0067	-4	104	119	ISLDVNHFSPEELNVK					Mascot
1883.8459	1883.8407	-0.0052	-3	13	27	SPSWDPFRDWYQGSR					Mascot

24 novel protein similar to vertebrate NifU-like N-terminal domain containing (NIFUN) [Danio rerio] gi|37606130 17748.2 8.87 6 51 63.828

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
913.4447	913.4474	0.0027	3	10	18	CASSALFSK					Mascot
960.5359	960.4742	-0.0617	-64	107	115	GKSIDALK	21	0			Mascot

	960.5359	960.4742	-0.0617	-64	107	115	GKSIDEALK										Mascot
	1045.5636	1045.5583	-0.0053	-5	44	53	NVGSLDKNAK										Mascot
	1069.5459	1069.5568	0.0109	10	9	18	RCASSALFSK										Mascot
	1346.6443	1346.6887	0.0444	33	132	143	LHCSMLAEDA						Oxidation (M)[5]				Mascot
	2283.1545	2283.167	0.0125	5	124	143	ELCLPPVKLHCSMLAEDIAIK						Carbamidomethyl (C)[3], Oxidation (M)[13]				Mascot
25	iron-sulfur cluster assembly enzyme [Danio rerio]						gi 54261801	17796.2	8.7	6	49	43.977					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
913.4447	913.4474	0.0027	3	10	18	CASSALFSK						Mascot
960.5083	960.4742	-0.0341	-36	1	9	MALAAAAWR						Mascot
960.5359	960.4742	-0.0617	-64	107	115	GKSIDEALK	21		0			Mascot
1045.5636	1045.5583	-0.0053	-5	44	53	NVGSLDKNAK						Mascot
1346.6443	1346.6887	0.0444	33	132	143	LHCSMLAEDA				Oxidation (M)[5]		Mascot
2283.1545	2283.167	0.0125	5	124	143	ELCLPPVKLHCSMLAEDIAIK				Carbamidomethyl (C)[3], Oxidation (M)[13]		Mascot

26	PREDICTED: WD repeat- and FYVE domain-containing protein 4 [Danio rerio]						gi 326673033	526148.3	6.32	29	47	9.141	22	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
809.3723	809.4143	0.042	52	1217	1222	FCQQQR						Mascot
850.5145	850.5385	0.024	28	2616	2622	RSFSLLK						Mascot
991.469	991.4587	-0.0103	-10	1808	1816	KENSDDSPK						Mascot
992.5444	992.4612	-0.0832	-84	3995	4003	LCSVVSSLK				Carbamidomethyl (C)[2]		Mascot
1088.6245	1088.5405	-0.084	-77	2977	2985	MKVQLISNR						Mascot
1109.6538	1109.4917	-0.1621	-146	1300	1308	NHILSTLRR						Mascot
1118.5225	1118.6768	0.1543	138	3764	3773	GWVQDTAEGR						Mascot
1179.6844	1179.5999	-0.0845	-72	1279	1288	DQHIALLLR						Mascot
1211.7041	1211.7106	0.0065	5	2728	2737	LLTVVRHMSR						Mascot
1211.7041	1211.7106	0.0065	5	2728	2737	LLTVVRHMSR						Mascot
1234.6394	1234.6774	0.038	31	901	909	IMLQELCRR				Carbamidomethyl (C)[7], Oxidation (M)[2]		Mascot
1287.6903	1287.6693	-0.021	-16	2455	2467	APSVSVVSIESGR	22		0			Mascot
1287.6903	1287.6693	-0.021	-16	2455	2467	APSVSVVSIESGR						Mascot
1308.7747	1308.657	-0.1177	-90	1482	1492	RILSSVLHQQK						Mascot
1309.7157	1309.6526	-0.0631	-48	4620	4629	HLVLCRELNR				Carbamidomethyl (C)[5]		Mascot

1316.7606	1316.5662	-0.1944	-148	2258	2268	LKQDLLQSIMK				Mascot
1320.6464	1320.5803	-0.0661	-50	4090	4101	DLSKPMGAQTEK		Oxidation (M)[6]		Mascot
1382.6846	1382.7771	0.0925	67	294	306	SDTASMHKAHVAK				Mascot
1382.7175	1382.7771	0.0596	43	4652	4664	THGTLLVGDAWGR				Mascot
1386.5745	1386.6737	0.0992	72	1322	1331	IMSDCCLCRR		Carbamidomethyl (C)[5,6,8], Oxidation (M)[2]		Mascot
1545.7366	1545.7322	-0.0044	-3	654	666	SLRVEFDCSASFK		Carbamidomethyl (C)[8]		Mascot
1638.6848	1638.8556	0.1708	104	35	47	SCLYMPPELG YDK		Carbamidomethyl (C)[2], Oxidation (M)[5,6]		Mascot
1839.0044	1838.9198	-0.0846	-46	2811	2828	KSCLVTVYLNATAIGTGK				Mascot
1958.0276	1958.0151	-0.0125	-6	2717	2733	FSSACESHVRLTTVVR		Carbamidomethyl (C)[5]		Mascot
1958.0276	1958.0151	-0.0125	-6	2717	2733	FSSACESHVRLTTVVR		Carbamidomethyl (C)[5]		Mascot
1993.9907	1993.9648	-0.0259	-13	2521	2537	QIMCEFGLLSTLLTHCK		Carbamidomethyl (C)[4]		Mascot
2076.1025	2076.1216	0.0191	9	1537	1554	GKPSLPPGLFEHHDLYIR				Mascot
2224.9355	2225.1177	0.1822	82	257	274	HLCFGCLSTSHMSRDCE K		Carbamidomethyl (C)[3,6,16]		Mascot
2233.0127	2233.0706	0.0579	26	3183	3201	SWSFECLSCICPGFEVLQ K		Carbamidomethyl (C)[6]		Mascot
2283.1948	2283.167	-0.0278	-12	2024	2043	IIQSSFMRSSNTVICSQIL R				Mascot
2284.1389	2284.1748	0.0359	16	2349	2369	LGEALLHLGCFQKGDVP ESDR				Mascot
3337.6045	3337.7556	0.1511	45	3638	3666	EGQVSMADVSPWEEQ ATKSWQLFIDSQK				Mascot

27 RecName: Full=SH3 domain-binding protein 4-A gi|123888628 108383 7.89 16 46 0.375

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4781	826.4424	-0.0357	-43	41	48	VPSPSALR					Mascot
842.5822	842.5054	-0.0768	-91	663	669	LIKTVIR					Mascot
850.4338	850.5385	0.1047	123	387	393	LSNMEIK			Oxidation (M)[4]		Mascot
897.4689	897.4583	-0.0106	-12	290	296	TAWLNHR					Mascot
982.539	982.4495	-0.0895	-91	574	581	LIYMISSR					Mascot
984.507	984.4195	-0.0875	-89	394	401	SFITLEMK			Oxidation (M)[7]		Mascot
984.507	984.4195	-0.0875	-89	394	401	SFITLEMK			Oxidation (M)[7]		Mascot
992.4651	992.4612	-0.0039	-4	833	841	MDCQGLVAR					Mascot
998.5339	998.4368	-0.0971	-97	574	581	LIYMISSR			Oxidation (M)[4]		Mascot
1045.4796	1045.5583	0.0787	75	791	799	AELDSEPER					Mascot
1107.5793	1107.5398	-0.0395	-36	49	59	LAPSTSFGTAR					Mascot
1346.6885	1346.6887	0.0002	0	762	772	TILMENLGNWR					Mascot
1357.6932	1357.7161	0.0229	17	492	504	TVVAIFGHDCAPK					Mascot
1434.7158	1434.7615	0.0457	32	914	925	DVIHELHMLDR					Mascot

1840.8237	1840.9373	0.1136	62	408	423	TESPMAEIVCVRSDCK	Carbamidomethyl (C)[10], Oxidation (M)[5]	Mascot
1957.9939	1958.0151	0.0212	11	60	76	EVVAIKDYCPSSFTTLK	Carbamidomethyl (C)[9]	Mascot
1957.9939	1958.0151	0.0212	11	60	76	EVVAIKDYCPSSFTTLK	Carbamidomethyl (C)[9]	Mascot
2284.2368	2284.1748	-0.062	-27	492	513	TVVAIFGHDCAPKLLVS EVGK		Mascot
3337.6052	3337.7556	0.1504	45	298	327	LARSDHLESLGQNPWG GQTQPVETNIVCK	Carbamidomethyl (C)[5]	Mascot

28 PREDICTED: serine/threonine-protein kinase pim-3-like gi|326675215 23705.1 8.34 4 46 0 30 73.535
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
991.4843	991.4587	-0.0256	-26	120	127	LQEGEPYR					Mascot
1211.6531	1211.7106	0.0575	47	110	119	SPYLGVTRYR					Mascot
1211.6531	1211.7106	0.0575	47	110	119	SPYLGVTRYR					Mascot
1287.7015	1287.6693	-0.0322	-25	44	55	KNNGLLESVAR	30	73.535			Mascot
1287.7015	1287.6693	-0.0322	-25	44	55	KNNGLLESVAR					Mascot
1364.7419	1364.6938	-0.0481	-35	184	195	TGPVLEEIIHK					Mascot
1364.7419	1364.6938	-0.0481	-35	184	195	TGPVLEEIIHK					Mascot

29 ATP-dependent RNA helicase DDX1 [Danio rerio] gi|309243086 82361.6 6.62 12 46 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
960.4897	960.4742	-0.0155	-16	452	458	NDKLWER	19	0			Mascot
960.4897	960.4742	-0.0155	-16	452	458	NDKLWER					Mascot
1109.4833	1109.4917	0.0084	8	91	98	WQMNPFR			Oxidation (M)[3]		Mascot
1118.5629	1118.6768	0.1139	102	163	173	YGFGFGGTGKK					Mascot
1165.6034	1165.7374	0.134	115	568	577	FLICTDVAAR			Carbamidomethyl (C)[4]		Mascot
1320.7118	1320.5803	-0.1315	-100	269	281	SSQTGSAKVTQVK					Mascot
1325.6704	1325.7539	0.0835	63	506	516	MDQAIIFCR TK					Mascot
1325.6947	1325.7539	0.0592	45	657	667	ELLSDIEHLK					Mascot
1364.6184	1364.6938	0.0754	55	668	678	CTITQCEPDIK			Carbamidomethyl (C)[1,6]		Mascot
1364.6184	1364.6938	0.0754	55	668	678	CTITQCEPDIK			Carbamidomethyl (C)[1,6]		Mascot
1382.6919	1382.7771	0.0852	62	506	516	MDQAIIFCR TK			Carbamidomethyl (C)[8]		Mascot
1382.6919	1382.7771	0.0852	62	506	516	MDQAIIFCR TK			Carbamidomethyl (C)[8]		Mascot
1386.7239	1386.6737	-0.0502	-36	422	432	IMHFPTWVDLK					Mascot
1434.6947	1434.7615	0.0668	47	624	634	EKVWYHVCASR			Carbamidomethyl (C)[8]		Mascot

	1838.9469	1838.9198	-0.0271	-15	224	239	SQPFVFASCVLKNAELK							Carbamidomethyl (C)[8]	Mascot
	1840.8799	1840.9373	0.0574	31	83	98	TGGAVFSKWQMNPFDR								Mascot
30	PREDICTED: titin [Danio rerio]				gi 189523697		3199053	5.99	63	46	0	10	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
809.4151	809.4143	-0.0008	-1	6326	6331 EYKDVR					Mascot
826.4669	826.4424	-0.0245	-30	27841	27847 LTSYKSK					Mascot
842.4478	842.5054	0.0576	68	21462	21468 RDLPEGR					Mascot
850.4893	850.5385	0.0492	58	1620	1626 YVVSARR					Mascot
882.4791	882.5623	0.0832	94	14147	14153 KEEHAIR					Mascot
897.4498	897.4583	0.0085	9	15062	15068 EFKMSQK					Mascot
911.4468	911.3965	-0.0503	-55	5424	5432 YVPSSGSSK					Mascot
913.4447	913.4474	0.0027	3	15062	15068 EFKMSQK			Oxidation (M)[4]		Mascot
960.4567	960.4742	0.0175	18	23100	23108 VQDTPAACR					Mascot
960.4996	960.4742	-0.0254	-26	15118	15125 LDEILSDR	21	0			Mascot
982.441	982.4495	0.0085	9	23255	23262 HCEHEVTK					Mascot
984.4818	984.4195	-0.0623	-63	22537	22544 ITGYMVER			Oxidation (M)[5]		Mascot
984.4818	984.4195	-0.0623	-63	22537	22544 ITGYMVER			Oxidation (M)[5]		Mascot
991.4955	991.4587	-0.0368	-37	13094	13102 VAAENQFGR					Mascot
992.4294	992.4612	0.0318	32	8879	8885 DNMYFFR					Mascot
996.536	996.5937	0.0577	58	2513	2520 LTITETYS					Mascot
998.4359	998.4368	0.0009	1	27392	27400 FGDDSCAR					Mascot
1069.5887	1069.5568	-0.0319	-30	10291	10299 NPVIEEQK					Mascot
1088.5371	1088.5405	0.0034	3	24831	24839 YALQYSSTR					Mascot
1107.5292	1107.5398	0.0106	10	27619	27627 HFVPFSDMK					Mascot
1109.5409	1109.4917	-0.0492	-44	8857	8865 KTWMTATDR					Mascot
1118.6681	1118.6768	0.0087	8	8844	8852 ILAYVVERR					Mascot
1165.6324	1165.7374	0.105	90	11960	11968 ITNYTIERR					Mascot
1179.6078	1179.5999	-0.0079	-7	24416	24424 ISWKLEEMK			Oxidation (M)[8]		Mascot
1193.6129	1193.6091	-0.0038	-3	5111	5120 SNVAVMCLRK			Carbamidomethyl (C)[7], Oxidation (M)[6]		Mascot
1211.7106	1211.7106	0	0	12384	12394 QNAVNNLVLK	14	0			Mascot
1211.7106	1211.7106	0	0	12384	12394 QNAVNNLVLK					Mascot
1287.6328	1287.6693	0.0365	28	13852	13861 KPKEADEWER					Mascot
1287.6328	1287.6693	0.0365	28	13852	13861 KPKEADEWER					Mascot
1308.6464	1308.657	0.0106	8	28588	28599 DNAVISITSNMK			Oxidation (M)[11]		Mascot

1309.6854	1309.6526	-0.0328	-25	12580	12591	NLTMTMCLGIVK	Oxidation (M)[6]	Mascot
1316.6382	1316.5662	-0.072	-55	22177	22186	ENGYYFFVR		Mascot
1320.7456	1320.5803	-0.1653	-125	1709	1719	IHMVIDKVTHK		Mascot
1325.7358	1325.7539	0.0181	14	12243	12254	EKMVIHAGGVIR	Oxidation (M)[3]	Mascot
1325.7358	1325.7539	0.0181	14	12243	12254	EKMVIHAGGVIR	Oxidation (M)[3]	Mascot
1327.6892	1327.7329	0.0437	33	24455	24466	YFLSLENVAGSK		Mascot
1346.691	1346.6887	-0.0023	-2	4965	4976	TLTDQSLQQGQK		Mascot
1357.6958	1357.7161	0.0203	15	1104	1115	SLVEETQLPEGR		Mascot
1364.6804	1364.6938	0.0134	10	7578	7588	DEARFEIELSR		Mascot
1364.7096	1364.6938	-0.0158	-12	5234	5244	LDNLFFIEEPK		Mascot
1376.6475	1376.6925	0.045	33	6624	6635	SPRSDDKPEMSK		Mascot
1381.7587	1381.7281	-0.0306	-22	27760	27771	FELSALRHPSPK		Mascot
1382.7678	1382.7771	0.0093	7	11942	11953	AEQITLSWLPPK		Mascot
1382.8002	1382.7771	-0.0231	-17	5915	5927	AAVQPSEKKPVTK		Mascot
1386.6747	1386.6737	-0.001	-1	28112	28123	IEETTETAVHEK		Mascot
1404.7402	1404.7502	0.01	7	6440	6452	AEESVMPKLSVAK	Oxidation (M)[6]	Mascot
1425.722	1425.786	0.064	45	9755	9767	VAEDVPTTEHSLK		Mascot
1434.741	1434.7615	0.0205	14	1892	1904	GTHYSLTVLNAMK		Mascot
1475.7601	1475.752	-0.0081	-5	26128	26140	VFAENETGISRPR		Mascot
1493.8257	1493.7335	-0.0922	-62	63	77	AVLMIPAVTAAHSGR		Mascot
1545.74	1545.7322	-0.0078	-5	21520	21532	DNVDPPRIMMDVK	Oxidation (M)[9]	Mascot
1638.9061	1638.8556	-0.0505	-31	5355	5368	DIDIVELLRNVDPK		Mascot
1676.8602	1676.8547	-0.0055	-3	24231	24245	TWTEAAPKSTQTSLR		Mascot
1707.8547	1707.7715	-0.0832	-49	15826	15840	DDGGSEVINYLEKR		Mascot
1826.8412	1826.9786	0.1374	75	12668	12683	DMWTTVTSTATTHTCK	Oxidation (M)[2]	Mascot
1826.9622	1826.9786	0.0164	9	13771	13785	LVKAPLVQNCEYFFR		Mascot
1838.8271	1838.9198	0.0927	50	12595	12611	GHSGKYCVTVENCTGAR	Carbamidomethyl (C)[7]	Mascot
1840.944	1840.9373	-0.0067	-4	10638	10654	IGEVTSSTVALSWHEPK		Mascot
1848.9702	1848.9532	-0.017	-9	16918	16933	ETTSQSWVELSLIIR		Mascot
1883.8627	1883.8407	-0.022	-12	12668	12683	DMWTTVTSTATTHTCK	Carbamidomethyl (C)[15], Oxidation (M)[2]	Mascot
1957.9865	1958.0151	0.0286	15	1313	1329	TQEGYYEAITAVELKSR		Mascot
1957.9865	1958.0151	0.0286	15	1313	1329	TQEGYYEAITAVELKSR		Mascot
2076.1123	2076.1216	0.0093	4	19553	19571	DPFIHPGSPQIIEVTNIAK		Mascot
2211.1147	2211.1042	-0.0105	-5	22749	22767	VVWSVISEAMESRMVTV QK	Oxidation (M)[10,14]	Mascot
2233.0076	2233.0706	0.063	28	20714	20733	VSAENETGVGECSDL FYR	Carbamidomethyl (C)[12]	Mascot
2283.0269	2283.167	0.1401	61	8249	8269	MDDAGEYHCKLPASETT	Oxidation (M)[1]	Mascot

2284.0583	2284.1748	0.1165	51	16047	16067	GTLK ANTVNVVIDCAYTVADLQE GCK	Carbamidomethyl (C)[9]	Mascot
2362.1165	2362.1821	0.0656	28	25530	25550	VAAANRYGTGEYLQSEV VMCK	Carbamidomethyl (C)[20], Oxidation (M)[19]	Mascot
2362.1165	2362.1821	0.0656	28	25530	25550	VAAANRYGTGEYLQSEV VMCK	Carbamidomethyl (C)[20], Oxidation (M)[19]	Mascot
2872.4587	2872.3855	-0.0732	-25	24519	24544	ESGSTAWQLINSSVKNTT FHVSHLTK		Mascot
3337.5527	3337.7556	0.2029	61	18658	18688	LGVGEHADVAGPICPED KTEEPDLIDAEFR		Mascot

31 signal-induced proliferation-associated 1-like protein 2 [Danio rerio] gi|320089557 184671.6 6.48 16 46 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
809.4151	809.4143	-0.0008	-1	242	248	GETSIFR					Mascot
826.5032	826.4424	-0.0608	-74	552	558	VPEQLLK					Mascot
911.4403	911.3965	-0.0438	-48	48	55	DGICPPPR			Carbamidomethyl (C)[4]		Mascot
960.438	960.4742	0.0362	38	369	377	NEIGGEGER	19	0			Mascot
960.438	960.4742	0.0362	38	369	377	NEIGGEGER					Mascot
982.5138	982.4495	-0.0643	-65	47	55	KDGICPPPR					Mascot
1045.4983	1045.5583	0.06	57	1143	1153	SAGSPCVPEAK					Mascot
1088.5331	1088.5405	0.0074	7	369	378	NEIGGEGERK					Mascot
1107.4259	1107.5398	0.1139	103	346	356	ACTDPDEGDGK					Mascot
1179.5674	1179.5999	0.0325	28	1362	1372	LSISCQSQGEK					Mascot
1193.7365	1193.6091	-0.1274	-107	1438	1448	GKIPLVVQSPR					Mascot
1287.6791	1287.6693	-0.0098	-8	506	518	GSILEDAPSTAK					Mascot
1287.6791	1287.6693	-0.0098	-8	506	518	GSILEDAPSTAK					Mascot
1309.6052	1309.6526	0.0474	36	1333	1344	CSKNSSSIDPSK			Carbamidomethyl (C)[1]		Mascot
1316.6593	1316.5662	-0.0931	-71	559	569	LDQQGLSYQHK					Mascot
1364.7798	1364.6938	-0.086	-63	1154	1164	WHIPSTKILNR					Mascot
1364.7798	1364.6938	-0.086	-63	1154	1164	WHIPSTKILNR					Mascot
1493.7264	1493.7335	0.0071	5	1360	1372	EKLSISCQSQGEK			Carbamidomethyl (C)[7]		Mascot
1957.9952	1958.0151	0.0199	10	1004	1020	VPIMEYKTLGTGPGWHR			Oxidation (M)[4]		Mascot
1957.9952	1958.0151	0.0199	10	1004	1020	VPIMEYKTLGTGPGWHR			Oxidation (M)[4]		Mascot

32 SH3 domain-binding protein 4-A [Danio rerio] gi|45387913 104947.5 7.73 15 46 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	826.4781	826.4424	-0.0357	-43	41	48	VPSPSALR												Mascot
	842.5822	842.5054	-0.0768	-91	634	640	LIKTVIR												Mascot
	850.4338	850.5385	0.1047	123	358	364	LSNMEIK					Oxidation (M)[4]							Mascot
	897.4689	897.4583	-0.0106	-12	261	267	TAWLNHR												Mascot
	982.539	982.4495	-0.0895	-91	545	552	LIYMISSR												Mascot
	984.507	984.4195	-0.0875	-89	365	372	SFITLEMK					Oxidation (M)[7]							Mascot
	984.507	984.4195	-0.0875	-89	365	372	SFITLEMK					Oxidation (M)[7]							Mascot
	998.5339	998.4368	-0.0971	-97	545	552	LIYMISSR					Oxidation (M)[4]							Mascot
	1045.4796	1045.5583	0.0787	75	762	770	AELDSEPER												Mascot
	1107.5793	1107.5398	-0.0395	-36	49	59	LAPSTSFGTAR												Mascot
	1346.6885	1346.6887	0.0002	0	733	743	TILMENLGNWR												Mascot
	1357.6932	1357.7161	0.0229	17	463	475	TVVAIFGHDCAPK												Mascot
	1434.7158	1434.7615	0.0457	32	885	896	DVIHELHMLDR												Mascot
	1840.8237	1840.9373	0.1136	62	379	394	TESPMAEIVCVRSDCK					Carbamidomethyl (C)[10], Oxidation (M)[5]							Mascot
	1957.9939	1958.0151	0.0212	11	60	76	EVVAIKDYCPSSFRTLK					Carbamidomethyl (C)[9]							Mascot
	1957.9939	1958.0151	0.0212	11	60	76	EVVAIKDYCPSSFRTLK					Carbamidomethyl (C)[9]							Mascot
	2284.2368	2284.1748	-0.062	-27	463	484	TVVAIFGHDCAPKTLVS EVGK												Mascot
	3337.6052	3337.7556	0.1504	45	269	298	LARSCHDLESLGQNPWG GQTQPVETNIVCK					Carbamidomethyl (C)[5]							Mascot
33	PREDICTED: zinc finger protein 271-like [Danio rerio] gi 326675814 34998.3 9.18 7 46 0 33 86.387																		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	984.493	984.4195	-0.0735	-75	224	232	FSVSGGMKR	35	90.76	Oxidation (M)[7]		Mascot
	984.493	984.4195	-0.0735	-75	224	232	FSVSGGMKR			Oxidation (M)[7]		Mascot
	991.3972	991.4587	0.0615	62	1	8	MSDPEPCR			Carbamidomethyl (C)[7]		Mascot
	1107.627	1107.5398	-0.0872	-79	167	175	SFTRITNLR					Mascot
	1118.5953	1118.6768	0.0815	73	251	259	RFSQPENLK					Mascot
	1287.5344	1287.6693	0.1349	105	156	166	EKPYSCECGK			Carbamidomethyl (C)[6]		Mascot
	1287.5344	1287.6693	0.1349	105	156	166	EKPYSCECGK			Carbamidomethyl (C)[6]		Mascot
	1493.7971	1493.7335	-0.0636	-43	205	216	HQRIHTGEKPYK					Mascot
	2284.1101	2284.1748	0.0647	28	36	54	KTYHLLTEEKPFCTQCG K			Carbamidomethyl (C)[14]		Mascot

34 titin b [Danio rerio] gi|110005908 3198243.8 5.99 63 45 0 10 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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809.4151	809.4143	-0.0008	-1	6325	6330	EYKDVR				Mascot
826.4669	826.4424	-0.0245	-30	27840	27846	LTSYKSK				Mascot
842.4478	842.5054	0.0576	68	21461	21467	RDLPEGR				Mascot
850.4893	850.5385	0.0492	58	1620	1626	YVVSARR				Mascot
882.4791	882.5623	0.0832	94	14146	14152	KEEHAIR				Mascot
897.4498	897.4583	0.0085	9	15061	15067	EFKMSQK				Mascot
911.4468	911.3965	-0.0503	-55	5423	5431	YVPSSGSSK				Mascot
913.4447	913.4474	0.0027	3	15061	15067	EFKMSQK			Oxidation (M)[4]	Mascot
960.4632	960.4742	0.011	11	7775	7783	DGNEITPSK				Mascot
960.4996	960.4742	-0.0254	-26	15117	15124	LDEILSDR	21	0		Mascot
982.441	982.4495	0.0085	9	23254	23261	HCEHEVTK				Mascot
984.4818	984.4195	-0.0623	-63	22536	22543	ITGYMVER			Oxidation (M)[5]	Mascot
984.4818	984.4195	-0.0623	-63	22536	22543	ITGYMVER			Oxidation (M)[5]	Mascot
991.4955	991.4587	-0.0368	-37	13093	13101	VAAENQFGR				Mascot
992.4294	992.4612	0.0318	32	8878	8884	DNMYFFR				Mascot
996.536	996.5937	0.0577	58	2513	2520	LTITETYR				Mascot
998.4359	998.4368	0.0009	1	27391	27399	FGDSDCKAR				Mascot
1069.5887	1069.5568	-0.0319	-30	10290	10298	NPVIEEQK				Mascot
1088.5371	1088.5405	0.0034	3	24830	24838	YALQYSSTR				Mascot
1107.5292	1107.5398	0.0106	10	27618	27626	HFVPFSDMK				Mascot
1109.5409	1109.4917	-0.0492	-44	8856	8864	KTWTMATDR				Mascot
1118.6681	1118.6768	0.0087	8	8843	8851	ILAYVVERR				Mascot
1165.6324	1165.7374	0.105	90	11959	11967	ITNYTIERR				Mascot
1179.6078	1179.5999	-0.0079	-7	24415	24423	ISWKLEEMK			Oxidation (M)[8]	Mascot
1193.6129	1193.6091	-0.0038	-3	5110	5119	SNVAVMCLRK			Carbamidomethyl (C)[7], Oxidation (M)[6]	Mascot
1211.7106	1211.7106	0	0	12383	12393	QNAVNNLVLK	14	0		Mascot
1211.7106	1211.7106	0	0	12383	12393	QNAVNNLVLK				Mascot
1287.6328	1287.6693	0.0365	28	13851	13860	KPKEADEWER				Mascot
1287.6328	1287.6693	0.0365	28	13851	13860	KPKEADEWER				Mascot
1308.6464	1308.657	0.0106	8	28587	28598	DNAVISITSNMK			Oxidation (M)[11]	Mascot
1309.6305	1309.6526	0.0221	17	6025	6035	TDEISEMKQTK				Mascot
1316.6382	1316.5662	-0.072	-55	22176	22185	ENGEYFFRVR				Mascot
1320.7456	1320.5803	-0.1653	-125	1709	1719	IHMVIDKVTHK				Mascot
1325.6254	1325.7539	0.1285	97	6025	6035	TDEISEMKQTK			Oxidation (M)[7]	Mascot
1325.7358	1325.7539	0.0181	14	12242	12253	EKMVIHAGGVIR			Oxidation (M)[3]	Mascot
1327.6892	1327.7329	0.0437	33	24454	24465	YFLSLENVAGSK				Mascot

1346.691	1346.6887	-0.0023	-2	4964	4975	TLTDQSLQQGQK		Mascot
1357.6958	1357.7161	0.0203	15	1104	1115	SLVEETQLPEGR		Mascot
1364.6804	1364.6938	0.0134	10	7577	7587	DEARFEIELSR		Mascot
1364.7096	1364.6938	-0.0158	-12	5233	5243	LDNLFFIEEPK		Mascot
1376.7784	1376.6925	-0.0859	-62	5521	5532	LTVLADQIQFTK		Mascot
1381.7587	1381.7281	-0.0306	-22	27759	27770	FELSALRHPSPK		Mascot
1382.7678	1382.7771	0.0093	7	11941	11952	AEQITLSWLPPK		Mascot
1382.8002	1382.7771	-0.0231	-17	5914	5926	AAVQPSEKKPVTK		Mascot
1386.6747	1386.6737	-0.001	-1	28111	28122	IEETTETAVHEK		Mascot
1404.7402	1404.7502	0.01	7	6439	6451	AEESVMPKLSVAK	Oxidation (M)[6]	Mascot
1425.722	1425.786	0.064	45	9754	9766	VAEDVPTTEHSLK		Mascot
1434.741	1434.7615	0.0205	14	1892	1904	GTHYSLTVLNAMK		Mascot
1475.7601	1475.752	-0.0081	-5	26127	26139	VFAENETGISRPR		Mascot
1493.8257	1493.7335	-0.0922	-62	63	77	AVLMIPAVTAAHSGR		Mascot
1545.74	1545.7322	-0.0078	-5	21519	21531	DNVDPPRIMMDVK	Oxidation (M)[9]	Mascot
1638.7944	1638.8556	0.0612	37	18517	18529	VTSLMENHLYEFR		Mascot
1676.8602	1676.8547	-0.0055	-3	24230	24244	TWTEAAPKSTQTSLR		Mascot
1707.8547	1707.7715	-0.0832	-49	15825	15839	DDGGSEVINYLEKR		Mascot
1826.8412	1826.9786	0.1374	75	12667	12682	DMWTTVTSTATTHTCK	Oxidation (M)[2]	Mascot
1826.9622	1826.9786	0.0164	9	13770	13784	LVKAPLVQNCYFFR		Mascot
1838.8271	1838.9198	0.0927	50	12594	12610	GHSWKYCVTVENCTGAR	Carbamidomethyl (C)[7]	Mascot
1840.944	1840.9373	-0.0067	-4	10637	10653	IGEVTSSSTVALSWHEPK		Mascot
1848.9602	1848.9532	-0.007	-4	5081	5096	VSGSQPLSVIWKDNR		Mascot
1883.8627	1883.8407	-0.022	-12	12667	12682	DMWTTVTSTATTHTCK	Carbamidomethyl (C)[15], Oxidation (M)[2]	Mascot
1957.9865	1958.0151	0.0286	15	1313	1329	TQEGYYEAITAVELKSR		Mascot
1957.9865	1958.0151	0.0286	15	1313	1329	TQEGYYEAITAVELKSR		Mascot
2076.1123	2076.1216	0.0093	4	19552	19570	DPFIHPGSPQIIEVTNIAK		Mascot
2211.1147	2211.1042	-0.0105	-5	22748	22766	VVWSVISEAMESRMVTV QK	Oxidation (M)[10,14]	Mascot
2233.0076	2233.0706	0.063	28	20713	20732	VSAENETGVGECSDL FYR	Carbamidomethyl (C)[12]	Mascot
2283.0269	2283.167	0.1401	61	8248	8268	MDDAGEYHCKLPASETT GTLK	Oxidation (M)[1]	Mascot
2284.0583	2284.1748	0.1165	51	16046	16066	ANTVNNVIDCAYTVADLQE GCK	Carbamidomethyl (C)[9]	Mascot
2362.1165	2362.1821	0.0656	28	25529	25549	VAAANRYGTGEYLQSEV VMCK	Carbamidomethyl (C)[20], Oxidation (M)[19]	Mascot
2362.1165	2362.1821	0.0656	28	25529	25549	VAAANRYGTGEYLQSEV VMCK	Carbamidomethyl (C)[20], Oxidation (M)[19]	Mascot
2872.4587	2872.3855	-0.0732	-25	24518	24543	ESGSTAWQLINSSVKNTT FHVSHLTK		Mascot
3337.5527	3337.7556	0.2029	61	18657	18687	LGVGEHADVAGPICPED		Mascot

35

titin-like [Danio rerio]

KTEEPDLDDAEFR

gi|169154862

2457022

5.92

56

45

0

10

0

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type	
809.4515	809.4143	-0.0372	-46	2034	2039	TEYRLK	21	0			Mascot	
826.4669	826.4424	-0.0245	-30	21194	21200	LTSYKSK						Mascot
842.4478	842.5054	0.0576	68	14721	14727	RDLPEGR						Mascot
850.4668	850.5385	0.0717	84	11896	11902	FTVENLK						Mascot
882.4791	882.5623	0.0832	94	7406	7412	KEEHAIR						Mascot
897.4498	897.4583	0.0085	9	8321	8327	EFKMSQK						Mascot
911.4846	911.3965	-0.0881	-97	10278	10284	NSIVWHR						Mascot
913.4447	913.4474	0.0027	3	8321	8327	EFKMSQK					Oxidation (M)[4]	Mascot
960.4567	960.4742	0.0175	18	16359	16367	VQDTPAACR						Mascot
960.4996	960.4742	-0.0254	-26	8377	8384	LDEILSDR						Mascot
982.441	982.4495	0.0085	9	16514	16521	HCEHEVTK				Mascot		
984.4818	984.4195	-0.0623	-63	15796	15803	ITGYMVER			Oxidation (M)[5]	Mascot		
984.4818	984.4195	-0.0623	-63	15796	15803	ITGYMVER			Oxidation (M)[5]	Mascot		
991.4955	991.4587	-0.0368	-37	6353	6361	VAAENQFGR				Mascot		
992.4294	992.4612	0.0318	32	2138	2144	DNMYFFR				Mascot		
996.5359	996.5937	0.0578	58	3740	3747	LSYEQTKK				Mascot		
998.4359	998.4368	0.0009	1	20745	20753	FGDDSCAR				Mascot		
1069.5887	1069.5568	-0.0319	-30	3550	3558	NPVIEEQK				Mascot		
1088.5371	1088.5405	0.0034	3	18090	18098	YALQYSSTR				Mascot		
1107.5292	1107.5398	0.0106	10	20972	20980	HFVPFSDMK				Mascot		
1109.5409	1109.4917	-0.0492	-44	2116	2124	KTWTMATDR				Mascot		
1118.6681	1118.6768	0.0087	8	2103	2111	ILAYVVERR				Mascot		
1165.6324	1165.7374	0.105	90	5219	5227	ITNYTIERR				Mascot		
1179.6078	1179.5999	-0.0079	-7	17675	17683	ISWKLEEMK			Oxidation (M)[8]	Mascot		
1193.6459	1193.6091	-0.0368	-31	17322	17332	FRICAVNSVGK				Mascot		
1211.7106	1211.7106	0	0	5643	5653	QNAVNNLVLK	14	0		Mascot		
1211.7106	1211.7106	0	0	5643	5653	QNAVNNLVLK				Mascot		
1287.6328	1287.6693	0.0365	28	7111	7120	KPKEADEWER				Mascot		
1287.6328	1287.6693	0.0365	28	7111	7120	KPKEADEWER				Mascot		
1308.6464	1308.657	0.0106	8	21941	21952	DNAVISITSNMK			Oxidation (M)[11]	Mascot		
1309.6854	1309.6526	-0.0328	-25	5839	5850	NLTMTMCLGIVK			Oxidation (M)[6]	Mascot		

1316.6382	1316.5662	-0.072	-55	15436	15445	ENGEYFFRVR		Mascot
1325.7358	1325.7539	0.0181	14	5502	5513	EKMVIHAGGVIR	Oxidation (M)[3]	Mascot
1325.7358	1325.7539	0.0181	14	5502	5513	EKMVIHAGGVIR	Oxidation (M)[3]	Mascot
1327.6892	1327.7329	0.0437	33	17714	17725	YFLSLENVAGSK		Mascot
1357.6456	1357.7161	0.0705	52	2615	2626	WEACGDPIPELK		Mascot
1364.6804	1364.6938	0.0134	10	837	847	DEARFEIELSR		Mascot
1364.6804	1364.6938	0.0134	10	837	847	DEARFEIELSR		Mascot
1381.7587	1381.7281	-0.0306	-22	21113	21124	FELSALRHPSPK		Mascot
1382.7678	1382.7771	0.0093	7	5201	5212	AEQITLSWLPPK		Mascot
1382.7678	1382.7771	0.0093	7	5201	5212	AEQITLSWLPPK		Mascot
1386.6747	1386.6737	-0.001	-1	21465	21476	IEETTETAVHEK		Mascot
1425.722	1425.786	0.064	45	3014	3026	VAEDVPTTEHSLK		Mascot
1434.7852	1434.7615	-0.0237	-17	7407	7418	EEHAIRWAPVVK		Mascot
1475.7601	1475.752	-0.0081	-5	19481	19493	VFAENETGISRPR		Mascot
1545.74	1545.7322	-0.0078	-5	14779	14791	DNVDPPRIMMDVK	Oxidation (M)[9]	Mascot
1638.7944	1638.8556	0.0612	37	11777	11789	VTSLMENHLYEFR		Mascot
1676.8602	1676.8547	-0.0055	-3	17490	17504	TWTEAAPKSTQTS LR		Mascot
1707.8547	1707.7715	-0.0832	-49	9085	9099	DDGGSEVINYLEKR		Mascot
1826.8412	1826.9786	0.1374	75	5927	5942	DMWTTVTSATTKTHCK	Oxidation (M)[2]	Mascot
1826.9622	1826.9786	0.0164	9	7030	7044	LVKAPLVQNCYFFR		Mascot
1838.8271	1838.9198	0.0927	50	5854	5870	GHS GK YC V T V E N C T G A R	Carbamidomethyl (C)[7]	Mascot
1840.944	1840.9373	-0.0067	-4	3897	3913	IGEVTSSTVALSWHEPK		Mascot
1848.9702	1848.9532	-0.017	-9	10177	10192	ETTSQSWVELS LIIR		Mascot
1883.8627	1883.8407	-0.022	-12	5927	5942	DMWTTVTSATTKTHCK	Carbamidomethyl (C)[15], Oxidation (M)[2]	Mascot
1957.9601	1958.0151	0.055	28	11983	12000	ESAQIETSSSYTSLVIDK		Mascot
1957.9601	1958.0151	0.055	28	11983	12000	ESAQIETSSSYTSLVIDK		Mascot
2076.1123	2076.1216	0.0093	4	12812	12830	DPFIHPGSPQIIEVTNIAK		Mascot
2211.1147	2211.1042	-0.0105	-5	16008	16026	VVWSVISEAMESRMVTV QK	Oxidation (M)[10,14]	Mascot
2233.0076	2233.0706	0.063	28	13973	13992	VSAENETGVGECSDL SL FYR	Carbamidomethyl (C)[12]	Mascot
2283.0269	2283.167	0.1401	61	1508	1528	MDDAGEYHCKLPASETT GTLK	Oxidation (M)[1]	Mascot
2284.0583	2284.1748	0.1165	51	9306	9326	ANTVNVIDCAYTVADLQE GCK	Carbamidomethyl (C)[9]	Mascot
2362.1165	2362.1821	0.0656	28	18883	18903	VAAANRYGTGEY LQSEV VMCK	Carbamidomethyl (C)[20], Oxidation (M)[19]	Mascot
2362.1165	2362.1821	0.0656	28	18883	18903	VAAANRYGTGEY LQSEV VMCK	Carbamidomethyl (C)[20], Oxidation (M)[19]	Mascot
2872.4587	2872.3855	-0.0732	-25	17778	17803	ESGSTAWQLINSSVKNTT FHVSHLTK		Mascot
3337.5527	3337.7556	0.2029	61	11917	11947	LGVGEHADVAGPICPED KTEEPDL D I D A E F R		Mascot

36 novel protein similar to human titin (TTN) [Danio rerio] gi|94732358 2437518.2 5.95 56 45 0 10 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
809.4515	809.4143	-0.0372	-46	1956	1961	TEYRLK					Mascot
826.4669	826.4424	-0.0245	-30	21022	21028	LTSYKSK					Mascot
842.4478	842.5054	0.0576	68	14643	14649	RDLPEGR					Mascot
850.4668	850.5385	0.0717	84	11818	11824	FTVENLK					Mascot
882.4791	882.5623	0.0832	94	7328	7334	KEEHAIR					Mascot
897.4498	897.4583	0.0085	9	8243	8249	EFKMSQK					Mascot
911.4846	911.3965	-0.0881	-97	10200	10206	NSIVWHR					Mascot
913.4447	913.4474	0.0027	3	8243	8249	EFKMSQK			Oxidation (M)[4]		Mascot
960.4632	960.4742	0.011	11	957	965	DGNEITPSK					Mascot
960.4996	960.4742	-0.0254	-26	8299	8306	LDEILSDR	21	0			Mascot
982.441	982.4495	0.0085	9	16436	16443	HCEHEVTK					Mascot
984.4818	984.4195	-0.0623	-63	15718	15725	ITGYMVER			Oxidation (M)[5]		Mascot
984.4818	984.4195	-0.0623	-63	15718	15725	ITGYMVER			Oxidation (M)[5]		Mascot
991.4955	991.4587	-0.0368	-37	6275	6283	VAAENQFGR					Mascot
992.4294	992.4612	0.0318	32	2060	2066	DNMYFFR					Mascot
996.5359	996.5937	0.0578	58	3662	3669	LSYEQTKK					Mascot
998.4359	998.4368	0.0009	1	20573	20581	FGDSDCKAR					Mascot
1069.5887	1069.5568	-0.0319	-30	3472	3480	NPVIEEQK					Mascot
1088.5371	1088.5405	0.0034	3	18012	18020	YALQYSSTR					Mascot
1107.5292	1107.5398	0.0106	10	20800	20808	HFVPFSDMK					Mascot
1109.5409	1109.4917	-0.0492	-44	2038	2046	KTWTMATDR					Mascot
1118.6681	1118.6768	0.0087	8	2025	2033	ILAYVVERR					Mascot
1165.6324	1165.7374	0.105	90	5141	5149	ITNYTIERR					Mascot
1179.6078	1179.5999	-0.0079	-7	17597	17605	ISWKLEEMK			Oxidation (M)[8]		Mascot
1193.6459	1193.6091	-0.0368	-31	17244	17254	FRICAVNSVGK					Mascot
1211.7106	1211.7106	0	0	5565	5575	QNAVNNLVLK	14	0			Mascot
1211.7106	1211.7106	0	0	5565	5575	QNAVNNLVLK					Mascot
1287.6328	1287.6693	0.0365	28	7033	7042	KPKEADEWER					Mascot
1287.6328	1287.6693	0.0365	28	7033	7042	KPKEADEWER					Mascot
1308.6464	1308.657	0.0106	8	21769	21780	DNAVISITSNMK			Oxidation (M)[11]		Mascot
1309.6854	1309.6526	-0.0328	-25	5761	5772	NLTMTCLGIVK			Oxidation (M)[6]		Mascot
1316.6382	1316.5662	-0.072	-55	15358	15367	ENGEYFFVR					Mascot

1325.7358	1325.7539	0.0181	14	5424	5435	EKMVIHAGGVIR	Oxidation (M)[3]	Mascot
1325.7358	1325.7539	0.0181	14	5424	5435	EKMVIHAGGVIR	Oxidation (M)[3]	Mascot
1327.6892	1327.7329	0.0437	33	17636	17647	YFLSLENVAGSK		Mascot
1357.6456	1357.7161	0.0705	52	2537	2548	WEACGDPIPELK		Mascot
1364.6804	1364.6938	0.0134	10	759	769	DEARFEIELSR		Mascot
1364.6804	1364.6938	0.0134	10	759	769	DEARFEIELSR		Mascot
1381.7587	1381.7281	-0.0306	-22	20941	20952	FELSALRHPSPK		Mascot
1382.7678	1382.7771	0.0093	7	5123	5134	AEQITLSWLPPK		Mascot
1382.7678	1382.7771	0.0093	7	5123	5134	AEQITLSWLPPK		Mascot
1386.6747	1386.6737	-0.001	-1	21293	21304	IEETTETAVHEK		Mascot
1425.722	1425.786	0.064	45	2936	2948	VAEDVPTTEHSLK		Mascot
1434.7852	1434.7615	-0.0237	-17	7329	7340	EEHAIRWAPVVK		Mascot
1475.7601	1475.752	-0.0081	-5	19309	19321	VFAENETGISRPR		Mascot
1545.74	1545.7322	-0.0078	-5	14701	14713	DNVDPPRIMMDVK	Oxidation (M)[9]	Mascot
1638.7944	1638.8556	0.0612	37	11699	11711	VTSLMENHLYEFR		Mascot
1676.8602	1676.8547	-0.0055	-3	17412	17426	TWTEAAPKSTQTS LR		Mascot
1707.8547	1707.7715	-0.0832	-49	9007	9021	DDGGSEVINYLEKR		Mascot
1826.8412	1826.9786	0.1374	75	5849	5864	DMWTTVTSTATTHTCK	Oxidation (M)[2]	Mascot
1826.9622	1826.9786	0.0164	9	6952	6966	LVKAPLVQNCEYFFR		Mascot
1838.8271	1838.9198	0.0927	50	5776	5792	GHS GK YC V T V E N C T G A R	Carbamidomethyl (C)[7]	Mascot
1840.944	1840.9373	-0.0067	-4	3819	3835	IGEVTSSTVALSWHEPK		Mascot
1848.9702	1848.9532	-0.017	-9	10099	10114	ETTSQSWVELSLIIR		Mascot
1883.8627	1883.8407	-0.022	-12	5849	5864	DMWTTVTSTATTHTCK	Carbamidomethyl (C)[15], Oxidation (M)[2]	Mascot
1957.9601	1958.0151	0.055	28	11905	11922	ESAQIETSSSYTSLVIDK		Mascot
1957.9601	1958.0151	0.055	28	11905	11922	ESAQIETSSSYTSLVIDK		Mascot
2076.1123	2076.1216	0.0093	4	12734	12752	DPFIHPGSPQIIEVTNIAK		Mascot
2211.1147	2211.1042	-0.0105	-5	15930	15948	VVWSVISEAMESRMVTV QK	Oxidation (M)[10,14]	Mascot
2233.0076	2233.0706	0.063	28	13895	13914	VSAENETGVGECSDLSL FYR	Carbamidomethyl (C)[12]	Mascot
2283.0269	2283.167	0.1401	61	1430	1450	MDDAGEYHCKLPASETT GTLK	Oxidation (M)[1]	Mascot
2284.0583	2284.1748	0.1165	51	9228	9248	ANTVNVIDCAYTVADLQE GCK	Carbamidomethyl (C)[9]	Mascot
2362.1165	2362.1821	0.0656	28	18711	18731	VAAANRYGTGEYLQSEV VMCK	Carbamidomethyl (C)[20], Oxidation (M)[19]	Mascot
2362.1165	2362.1821	0.0656	28	18711	18731	VAAANRYGTGEYLQSEV VMCK	Carbamidomethyl (C)[20], Oxidation (M)[19]	Mascot
2872.4587	2872.3855	-0.0732	-25	17700	17725	ESGSTAWQLINSSVKNTT FHVSHLTK		Mascot
3337.5527	3337.7556	0.2029	61	11839	11869	LGVGEHADVAGPICPED KTEEPDLIDAEFR		Mascot

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
	897.4651	897.4583	-0.0068	-8	6	12	IPFSFMR				Mascot
	911.4006	911.3965	-0.0041	-4	21	27	DWYQGSR				Mascot
	913.46	913.4474	-0.0126	-14	6	12	IPFSFMR			Oxidation (M)[6]	Mascot
	960.4533	960.4742	0.0209	22	136	143	DEHGFISR				Mascot
	960.4533	960.4742	0.0209	22	136	143	DEHGFISR				Mascot
	1069.5612	1069.5568	-0.0044	-4	5	12	RIPFSFMR			Oxidation (M)[7]	Mascot
	1088.5483	1088.5405	-0.0078	-7	135	143	KDEHGFISR				Mascot
	1840.944	1840.9373	-0.0067	-4	104	119	ISLDVNHFSPEELNVK				Mascot
	1883.8804	1883.8407	-0.0397	-21	87	103	QLSSGMSEVKQTGDSW K			Oxidation (M)[6]	Mascot
38	novel protein similar to vertebrate tropomyosin 4 (TPM4) (zgc:63909) [Danio rerio]				gi 94732583	23433.8	4.6	7	43	0	

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
39	960.5294	960.4742	-0.0552	-57	49	56	VIENRAMK	12	0		Mascot
	960.5294	960.4742	-0.0552	-57	49	56	VIENRAMK				Mascot
	1109.4891	1109.4917	0.0026	2	39	48	AADESERGMK			Oxidation (M)[9]	Mascot
	1234.5732	1234.6774	0.1042	84	99	109	AEERAEVAECK				Mascot
	1308.6178	1308.657	0.0392	30	154	164	EAETRAEFAER				Mascot
	1382.6798	1382.7771	0.0973	70	126	137	SLEAQAEKYSEK				Mascot
	1382.6798	1382.7771	0.0973	70	126	137	SLEAQAEKYSEK				Mascot
	1434.7322	1434.7615	0.0293	20	172	184	SIDDLLEKLSSAK				Mascot
	1493.7338	1493.7335	-0.0003	0	61	72	MEIQEMQLKEAK			Oxidation (M)[1]	Mascot
39	Sh3bp4a protein [Danio rerio]				gi 66910395		76175.4	8.42	12	42	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
826.4781	826.4424	-0.0357	-43	41	48	VSPSPALR				Mascot
842.5822	842.5054	-0.0768	-91	663	669	LIKTVIR				Mascot
850.4338	850.5385	0.1047	123	387	393	LSNMEIK			Oxidation (M)[4]	Mascot
897.4689	897.4583	-0.0106	-12	290	296	TAWLNHR				Mascot
982.539	982.4495	-0.0895	-91	574	581	LIYMISSR				Mascot

984.507	984.4195	-0.0875	-89	394	401	SFITLEMK	Oxidation (M)[7]	Mascot
984.507	984.4195	-0.0875	-89	394	401	SFITLEMK	Oxidation (M)[7]	Mascot
998.5339	998.4368	-0.0971	-97	574	581	LIYMISSR	Oxidation (M)[4]	Mascot
1107.5793	1107.5398	-0.0395	-36	49	59	LAPSTSFGTAR		Mascot
1357.6932	1357.7161	0.0229	17	492	504	TVVAIFGHDCAPK		Mascot
1840.8237	1840.9373	0.1136	62	408	423	TESPMAEIVCVRSDCK	Carbamidomethyl (C)[10], Oxidation (M)[5]	Mascot
1957.9939	1958.0151	0.0212	11	60	76	EVVAIKDYCPSSFRTLK	Carbamidomethyl (C)[9]	Mascot
1957.9939	1958.0151	0.0212	11	60	76	EVVAIKDYCPSSFRTLK	Carbamidomethyl (C)[9]	Mascot
2284.2368	2284.1748	-0.062	-27	492	513	TVVAIFGHDCAPKTLVSEVGK		Mascot
3337.6052	3337.7556	0.1504	45	298	327	LARSCHDLESLGQNPQWGGTQPVETNIVCK	Carbamidomethyl (C)[5]	Mascot

40 PREDICTED: microtubule-actin cross-linking factor 1, isoforms 1/2/3/5-like [Danio rerio] gi|326674648 241937 5.5 20 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.3512	826.4424	0.0912	110	27	32	ECYQQR					Mascot
960.5472	960.4742	-0.073	-76	206	214	DGRSTLALK	2	0			Mascot
960.5472	960.4742	-0.073	-76	206	214	DGRSTLALK					Mascot
991.4778	991.4587	-0.0191	-19	1232	1239	MHAYTNVR					Mascot
996.5182	996.5937	0.0755	76	531	538	FNIEKMAK			Oxidation (M)[6]		Mascot
1069.5386	1069.5568	0.0182	17	1899	1907	DQDGRITHK					Mascot
1088.6609	1088.5405	-0.1204	-111	2005	2013	ILRSTLMVR					Mascot
1193.6749	1193.6091	-0.0658	-55	1853	1861	LEEHLQRLR					Mascot
1211.6014	1211.7106	0.1092	90	669	678	DTEEQHLAIR	12	0			Mascot
1211.6014	1211.7106	0.1092	90	669	678	DTEEQHLAIR					Mascot
1308.7271	1308.657	-0.0701	-54	1540	1550	DLVNNLIDKHK					Mascot
1309.6456	1309.6526	0.007	5	1012	1021	EQLCDLKEFK			Carbamidomethyl (C)[4]		Mascot
1325.7939	1325.7539	-0.04	-30	800	810	WLLNLLDLAVR					Mascot
1325.7939	1325.7539	-0.04	-30	800	810	WLLNLLDLAVR					Mascot
1364.6917	1364.6938	0.0021	2	105	116	RSPLSQYGSVDR					Mascot
1364.6917	1364.6938	0.0021	2	106	117	SPLSQYGSVDRR					Mascot
1382.6919	1382.7771	0.0852	62	1448	1458	SKRPMYEACLK			Carbamidomethyl (C)[9]		Mascot
1382.6919	1382.7771	0.0852	62	1448	1458	SKRPMYEACLK			Carbamidomethyl (C)[9]		Mascot
1386.6504	1386.6737	0.0233	17	387	397	LQQCAHELMK			Carbamidomethyl (C)[4]		Mascot
1676.8563	1676.8547	-0.0016	-1	1734	1748	ILDWICAAEDSLSLK					Mascot

	1840.9333	1840.9373	0.004	2	355	371	SAERAMLHLQEATGQAK						Mascot
	1957.947	1958.0151	0.0681	35	381	397	SADLGKLQQCAHELMEK			Carbamidomethyl (C)[10]			Mascot
	1957.947	1958.0151	0.0681	35	381	397	SADLGKLQQCAHELMEK			Carbamidomethyl (C)[10]			Mascot
	2076.1375	2076.1216	-0.0159	-8	1636	1653	VLKYGVLPPEEEALLAFR						Mascot
	3337.5862	3337.7556	0.1694	51	1303	1331	MGKCEETINTLSAPSFLD TICSQLQEHR			Carbamidomethyl (C)[4], Oxidation (M)[1]			Mascot
41	truncated SH3 binding domain protein 4 [Danio rerio]					gi 33438222	84564.4	8.75	12	40	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	826.4781	826.4424	-0.0357	-43	41	48	VPSPSALR					Mascot
	842.5822	842.5054	-0.0768	-91	634	640	LIKTVIR					Mascot
	850.4338	850.5385	0.1047	123	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
	897.4689	897.4583	-0.0106	-12	261	267	TAWLNHR					Mascot
	982.539	982.4495	-0.0895	-91	545	552	LIYMISSR					Mascot
	984.507	984.4195	-0.0875	-89	365	372	SFITLEMK			Oxidation (M)[7]		Mascot
	984.507	984.4195	-0.0875	-89	365	372	SFITLEMK			Oxidation (M)[7]		Mascot
	998.5339	998.4368	-0.0971	-97	545	552	LIYMISSR			Oxidation (M)[4]		Mascot
	1107.5793	1107.5398	-0.0395	-36	49	59	LAPSTSFGTAR					Mascot
	1357.6932	1357.7161	0.0229	17	463	475	TVVAIFGHDCAPK					Mascot
	1840.8237	1840.9373	0.1136	62	379	394	TESPM AEIVCVRSDCK			Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot
	1957.9939	1958.0151	0.0212	11	60	76	EVVAIKDYCPSSFTTLK			Carbamidomethyl (C)[9]		Mascot
	1957.9939	1958.0151	0.0212	11	60	76	EVVAIKDYCPSSFTTLK			Carbamidomethyl (C)[9]		Mascot
	2284.2368	2284.1748	-0.062	-27	463	484	TVVAIFGHDCAPKTL LVS EVGK					Mascot
	3337.6052	3337.7556	0.1504	45	269	298	LARSCHDLESLGQNP GW GQTQPVETNIVCK			Carbamidomethyl (C)[5]		Mascot

42	PREDICTED: histone acetyltransferase KAT2A [Danio rerio]					gi 189516875	90565.6	9.09	13	40	0		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	826.4669	826.4424	-0.0245	-30	302	308	DKLPPEK					Mascot
	897.4498	897.4583	0.0085	9	66	73	LGVFSSCK			Carbamidomethyl (C)[7]		Mascot
	960.5373	960.4742	-0.0631	-66	52	59	AQVRSFPR					Mascot
	960.5373	960.4742	-0.0631	-66	52	59	AQVRSFPR					Mascot
	992.5603	992.4612	-0.0991	-100	782	788	FFYFKLK					Mascot
	1069.6405	1069.5568	-0.0837	-78	310	318	TLILTHFPK					Mascot

	1107.5873	1107.5398	-0.0475	-43	156	163	QVYFYLFK											Mascot
	1118.5437	1118.6768	0.1331	119	445	453	DETARLEER											Mascot
	1327.7467	1327.7329	-0.0138	-10	393	404	KLPEALTLEDAK											Mascot
	1346.6636	1346.6887	0.0251	19	220	229	MFLLCCLNYWK					Oxidation (M)[1]						Mascot
	2233.1194	2233.0706	-0.0488	-22	368	391	GSSASALGVTGLDVASS EPTIGEK											Mascot
	2284.1323	2284.1748	0.0425	19	563	581	HGILYFLTYADEYAIGYFK											Mascot
	2362.1721	2362.1821	0.01	4	220	237	MFLLCCLNYWKLETPSQF R					Carbamidomethyl (C)[5], Oxidation (M)[1]						Mascot
	2362.1721	2362.1821	0.01	4	220	237	MFLLCCLNYWKLETPSQF R					Carbamidomethyl (C)[5], Oxidation (M)[1]						Mascot
	3337.6416	3337.7556	0.114	34	517	546	VIGGICFRMFPTQGFTEIV FCAVTSNEQVK					Oxidation (M)[9]						Mascot
43	hypothetical protein LOC407982 [Danio rerio]				gi 47551335		119415.8	5.22	13	40	0	23	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.5248	960.4742	-0.0506	-53	596	603	ITEELDLK	23	0			Mascot
960.5248	960.4742	-0.0506	-53	596	603	ITEELDLK					Mascot
991.4764	991.4587	-0.0177	-18	201	208	VEELMQDK					Mascot
1107.535	1107.5398	0.0048	4	192	200	TELESLMER					Mascot
1309.7263	1309.6526	-0.0737	-56	978	987	KFYQLELVNR					Mascot
1320.6827	1320.5803	-0.1024	-78	961	971	EMVSERETLVK					Mascot
1325.6556	1325.7539	0.0983	74	274	284	SELHRAQEEAR					Mascot
1325.6556	1325.7539	0.0983	74	274	284	SELHRAQEEAR					Mascot
1327.6423	1327.7329	0.0906	68	821	831	CKEHEQDLLGR					Mascot
1346.5967	1346.6887	0.092	68	429	439	AKYEEEMSCLK			Oxidation (M)[7]		Mascot
1386.7084	1386.6737	-0.0347	-25	455	466	VQQESVRNAAER					Mascot
1545.8271	1545.7322	-0.0949	-61	236	248	TQQLTTENLLAWK					Mascot
1638.7363	1638.8556	0.1193	73	639	651	DLEMMAARESWQR			Oxidation (M)[4]		Mascot
1826.9429	1826.9786	0.0357	20	186	200	LAELHRTELESLMER	2	0			Mascot
1826.9429	1826.9786	0.0357	20	186	200	LAELHRTELESLMER					Mascot
1838.9396	1838.9198	-0.0198	-11	136	150	LRTFSQVQAQFEQEK					Mascot

44 PREDICTED: g2/M phase-specific E3 ubiquitin-protein ligase-like, partial [Danio rerio] gi|326680912 55309.6 5.35 10 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	984.4818	984.4195	-0.0623	-63	40	47	IYIGSMER		Oxidation (M)[6]	Mascot
	984.4818	984.4195	-0.0623	-63	40	47	IYIGSMER		Oxidation (M)[6]	Mascot
	992.5305	992.4612	-0.0693	-70	202	209	IIRTSCSR		Carbamidomethyl (C)[6]	Mascot
	1045.4845	1045.5583	0.0738	71	480	488	GLNIIFYCC			Mascot
	1088.5735	1088.5405	-0.033	-30	105	114	NIPGTNTPFK			Mascot
	1320.5447	1320.5803	0.0356	27	2	12	TETSSVDCFMK		Carbamidomethyl (C)[8], Oxidation (M)[10]	Mascot
	1325.6843	1325.7539	0.0696	53	259	269	EFLTLLMDCLK			Mascot
	1325.6843	1325.7539	0.0696	53	259	269	EFLTLLMDCLK			Mascot
	1382.7058	1382.7771	0.0713	52	259	269	EFLTLLMDCLK		Carbamidomethyl (C)[9]	Mascot
	1382.7058	1382.7771	0.0713	52	259	269	EFLTLLMDCLK		Carbamidomethyl (C)[9]	Mascot
	1404.6827	1404.7502	0.0675	48	228	239	ASYDPLHDMLVK		Oxidation (M)[9]	Mascot
	1840.7719	1840.9373	0.1654	90	240	257	FTDDEGSTEDAVDTGGPK			Mascot
	2233.1035	2233.0706	-0.0329	-15	282	300	FLTFNNAAVREDEYFLAGR			Mascot
	2283.2344	2283.167	-0.0674	-30	59	78	RLPLEVETNWTSEQVLIA GK			Mascot

45 PREDICTED: ras association domain-containing protein gi|189537462 49870 4.96 3 39 0 32 80.96
10 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4318	850.5385	0.1067	125	60	65	WRGFER					Mascot
960.4632	960.4742	0.011	11	184	191	ELDGEIER	32	80.96			Mascot
960.4632	960.4742	0.011	11	184	191	ELDGEIER					Mascot
992.5193	992.4612	-0.0581	-59	25	33	RTTCADVVK					Mascot

46 solute carrier family 25 (mitochondrial carrier: glutamate), member 22 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4417	850.5385	0.0968	114	40	46	QGQQVYK					Mascot
960.5294	960.4742	-0.0552	-57	151	159	LAANTVLCR	17	0			Mascot
960.5294	960.4742	-0.0552	-57	151	159	LAANTVLCR					Mascot
1118.5874	1118.6768	0.0894	80	1	10	MSQQISLPAK			Oxidation (M)[1]		Mascot
1193.5909	1193.6091	0.0182	15	160	170	SYNVVPNSSAR					Mascot
1826.9139	1826.9786	0.0647	35	40	54	QGQQVYKSMIDCLIK			Carbamidomethyl (C)[12], Oxidation (M)[9]		Mascot
1826.9139	1826.9786	0.0647	35	40	54	QGQQVYKSMIDCLIK			Carbamidomethyl (C)[12], Oxidation (M)[9]		Mascot

	2362.123	2362.1821	0.0591	25	257	278	LQSLSKGANEDTYSGIVD CFSK										Mascot
	2362.123	2362.1821	0.0591	25	257	278	LQSLSKGANEDTYSGIVD CFSK										Mascot
47	PREDICTED: si:ch211-218c6.8 [Danio rerio]				gi 189531608		22656.2	4.75	6	38	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5709	842.5054	-0.0655	-78	83	89	LVELLKK					Mascot
960.5108	960.4742	-0.0366	-38	22	29	RENSDVLK	7	0			Mascot
960.5108	960.4742	-0.0366	-38	22	29	RENSDVLK					Mascot
1107.4922	1107.5398	0.0476	43	154	162	AMDQLPMNR			Oxidation (M)[2,7]		Mascot
1320.6219	1320.5803	-0.0416	-32	100	110	EDHAFFADLQK					Mascot
1376.6774	1376.6925	0.0151	11	152	162	LRAMDQLPMNR			Oxidation (M)[4,9]		Mascot
1404.5549	1404.7502	0.1953	139	188	200	AFGVGDDDDDEEVH					Mascot

48	Hook homolog 1 [Danio rerio]				gi 190339684		83123.4	5.24	1		34	88.206					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4996	960.4742	-0.0254	-26	323	330	LEDLSDLR	34	88.206		2	Mascot

49	PREDICTED: hypothetical protein LOC796277 [Danio rerio]				gi 292622807		79431.9	5.54	1		30	73.535					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1287.7015	1287.6693	-0.0322	-25	638	649	KNNGLLSESVAR	30	73.535		2	Mascot

50	PREDICTED: protein IWS1 homolog [Danio rerio]				gi 326674520		86977.8	4.61	1		24	0.535					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1211.6492	1211.7106	0.0614	51	670	679	DLDDQIAPRR	24	0.535		1	Mascot

Gel Idx/Pos	249/K1	Instr./Gel Origin	BA2060/110707A				Process Status	Analysis Succeeded	
Plate [#] Name	[1] 31496	Instrument Sample Name					Spectra	11	

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Vtg1 protein [Danio rerio]	gi 63100501	36409.1	9.23	8	387	100	349	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
960.4785	960.4747	-0.0038	-4	218	224	LEVEWER	42	98.281			Mascot
960.4785	960.4747	-0.0038	-4	218	224	LEVEWER					Mascot
984.4243	984.42	-0.0043	-4	190	197	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1287.6691	1287.6666	-0.0025	-2	205	217	AEAGVLGEFPAAR					Mascot
1287.6691	1287.6666	-0.0025	-2	205	217	AEAGVLGEFPAAR	121	100			Mascot
1364.6957	1364.6929	-0.0028	-2	239	250	HILTAAYDTGFR					Mascot
1364.6957	1364.6929	-0.0028	-2	239	250	HILTAAYDTGFR	53	99.856			Mascot
1796.9078	1796.9534	0.0456	25	239	253	HILTAAYDTGFRFER					Mascot
1826.9799	1826.9766	-0.0033	-2	143	158	LLGYQLAAYFDKPTAR	135	100			Mascot
1826.9799	1826.9766	-0.0033	-2	143	158	LLGYQLAAYFDKPTAR					Mascot
1958.0189	1958.0162	-0.0027	-1	254	271	ATNSEKEIELTAALPSQR					Mascot
2060.1426	2060.1409	-0.0017	-1	218	234	LEVEWERLPIIVTTYAK					Mascot

2	vitellogenin 1 [Danio rerio]	gi 166795887	149452.5	8.68	13	372	100	351	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
960.4785	960.4747	-0.0038	-4	1258	1264	LEVEWER	42	98.281			Mascot
960.4785	960.4747	-0.0038	-4	1258	1264	LEVEWER					Mascot
984.4243	984.42	-0.0043	-4	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1088.5405	1088.5442	0.0037	3	415	424	MTASLATHEK					Mascot
1287.6691	1287.6666	-0.0025	-2	1245	1257	AEAGVLGEFPAAR					Mascot
1287.6691	1287.6666	-0.0025	-2	1245	1257	AEAGVLGEFPAAR	121	100			Mascot
1359.6508	1359.6165	-0.0343	-25	184	194	DLSHCQERIMK					Mascot
1364.6957	1364.6929	-0.0028	-2	1279	1290	HILTAAYDTGFR					Mascot
1364.6957	1364.6929	-0.0028	-2	1279	1290	HILTAAYDTGFR	53	99.856			Mascot
1382.7889	1382.7759	-0.013	-9	303	315	ISDAPAQIVEVLK					Mascot

1382.7889	1382.7759	-0.013	-9	303	315	ISDAPAQIVEVLK											Mascot
1638.8485	1638.8563	0.0078	5	668	683	TYLAGAAADVVEFGVR											Mascot
1796.9078	1796.9534	0.0456	25	1279	1293	HILTAAYDTGFRFER											Mascot
1826.9799	1826.9766	-0.0033	-2	1183	1198	LLGYQLAAYFDKPTAR	135	100									Mascot
1826.9799	1826.9766	-0.0033	-2	1183	1198	LLGYQLAAYFDKPTAR											Mascot
1958.0189	1958.0162	-0.0027	-1	1294	1311	ATNSEKEIELTAALPSQR											Mascot
2060.1426	2060.1409	-0.0017	-1	1258	1274	LEVEWERLPIIVTTYAK											Mascot
2233.2009	2233.0815	-0.1194	-53	593	614	SLTRITAPDMAYVAGAAN VAIK											Mascot

3 Vtg1 protein [Danio rerio] gi|145337918 116565.5 9.07 10 365 100 351 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4747	-0.0038	-4	964	970	LEVEWER	42	98.281			Mascot
960.4785	960.4747	-0.0038	-4	964	970	LEVEWER					Mascot
984.4243	984.42	-0.0043	-4	936	943	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1088.5405	1088.5442	0.0037	3	121	130	MTASLATHEK					Mascot
1287.6691	1287.6666	-0.0025	-2	951	963	AEAGVLGEFPAAR					Mascot
1287.6691	1287.6666	-0.0025	-2	951	963	AEAGVLGEFPAAR	121	100			Mascot
1364.6957	1364.6929	-0.0028	-2	985	996	HILTAAYDTGFR					Mascot
1364.6957	1364.6929	-0.0028	-2	985	996	HILTAAYDTGFR	53	99.856			Mascot
1382.7889	1382.7759	-0.013	-9	9	21	ISDAPAQIVEVLK					Mascot
1382.7889	1382.7759	-0.013	-9	9	21	ISDAPAQIVEVLK					Mascot
1796.9078	1796.9534	0.0456	25	985	999	HILTAAYDTGFRFER					Mascot
1826.9799	1826.9766	-0.0033	-2	889	904	LLGYQLAAYFDKPTAR	135	100			Mascot
1826.9799	1826.9766	-0.0033	-2	889	904	LLGYQLAAYFDKPTAR					Mascot
1958.0189	1958.0162	-0.0027	-1	1000	1017	ATNSEKEIELTAALPSQR					Mascot
2060.1426	2060.1409	-0.0017	-1	964	980	LEVEWERLPIIVTTYAK					Mascot

4 vitellogenin 1 [Danio rerio] gi|94733730 149140.4 8.74 11 365 100 351 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4747	-0.0038	-4	1258	1264	LEVEWER	42	98.281			Mascot
960.4785	960.4747	-0.0038	-4	1258	1264	LEVEWER					Mascot
984.4243	984.42	-0.0043	-4	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1088.5405	1088.5442	0.0037	3	415	424	MTASLATHEK					Mascot

1287.6691	1287.6666	-0.0025	-2	1245	1257	AEAGVLGEFPAAR							Mascot
1287.6691	1287.6666	-0.0025	-2	1245	1257	AEAGVLGEFPAAR	121	100					Mascot
1359.6508	1359.6165	-0.0343	-25	184	194	DLSHCQERIMK							Mascot
1364.6957	1364.6929	-0.0028	-2	1279	1290	HILTAAYDTGFR							Mascot
1364.6957	1364.6929	-0.0028	-2	1279	1290	HILTAAYDTGFR	53	99.856					Mascot
1382.7889	1382.7759	-0.013	-9	303	315	ISDAPAQIVEVLK							Mascot
1382.7889	1382.7759	-0.013	-9	303	315	ISDAPAQIVEVLK							Mascot
1796.9078	1796.9534	0.0456	25	1279	1293	HILTAAYDTGFRFER							Mascot
1826.9799	1826.9766	-0.0033	-2	1183	1198	LLGYQLAAYFDKPTAR	135	100					Mascot
1826.9799	1826.9766	-0.0033	-2	1183	1198	LLGYQLAAYFDKPTAR							Mascot
1958.0189	1958.0162	-0.0027	-1	1294	1311	ATNSEKEIELTAALPSQR							Mascot
2060.1426	2060.1409	-0.0017	-1	1258	1274	LEVEWERLPIIVTTYAK							Mascot

5 vitellogenin 1 [Danio rerio] gi|21391472 127954.2 8.69 10 363 100 351 100

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
960.4785	960.4747	-0.0038	-4	1065	1071	LEVEWER	42	98.281				Mascot
960.4785	960.4747	-0.0038	-4	1065	1071	LEVEWER						Mascot
984.4243	984.42	-0.0043	-4	1037	1044	FSWGAECK				Carbamidomethyl (C)[7]		Mascot
1088.5405	1088.5442	0.0037	3	224	233	MTASLATHEK						Mascot
1287.6691	1287.6666	-0.0025	-2	1052	1064	AEAGVLGEFPAAR						Mascot
1287.6691	1287.6666	-0.0025	-2	1052	1064	AEAGVLGEFPAAR	121	100				Mascot
1364.6957	1364.6929	-0.0028	-2	1086	1097	HILTAAYDTGFR						Mascot
1364.6957	1364.6929	-0.0028	-2	1086	1097	HILTAAYDTGFR	53	99.856				Mascot
1382.7889	1382.7759	-0.013	-9	112	124	ISDAPAQIVEVLK						Mascot
1382.7889	1382.7759	-0.013	-9	112	124	ISDAPAQIVEVLK						Mascot
1796.9078	1796.9534	0.0456	25	1086	1100	HILTAAYDTGFRFER						Mascot
1826.9799	1826.9766	-0.0033	-2	990	1005	LLGYQLAAYFDKPTAR	135	100				Mascot
1826.9799	1826.9766	-0.0033	-2	990	1005	LLGYQLAAYFDKPTAR						Mascot
1958.0189	1958.0162	-0.0027	-1	1101	1118	ATNSEKEIELTAALPSQR						Mascot
2060.1426	2060.1409	-0.0017	-1	1065	1081	LEVEWERLPIIVTTYAK						Mascot

6 vitellogenin 7 [Danio rerio] gi|57864789 24318.7 8.37 5 322 100 298 100

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type

	960.4785	960.4747	-0.0038	-4	113	119	LEVEWER	42	98.281					Mascot
	960.4785	960.4747	-0.0038	-4	113	119	LEVEWER							Mascot
	984.4243	984.42	-0.0043	-4	85	92	FSWGAECK			Carbamidomethyl (C)[7]				Mascot
	1287.6691	1287.6666	-0.0025	-2	100	112	AEAGVLGEFPAAR							Mascot
	1287.6691	1287.6666	-0.0025	-2	100	112	AEAGVLGEFPAAR	121	100					Mascot
	1826.9799	1826.9766	-0.0033	-2	38	53	LLGYQLAAYFDKPTAR	135	100					Mascot
	1826.9799	1826.9766	-0.0033	-2	38	53	LLGYQLAAYFDKPTAR							Mascot
	2060.1426	2060.1409	-0.0017	-1	113	129	LEVEWERLPIIVTTYAK							Mascot
7	vitellogenin 7 [Danio rerio]				gi 156713467		148739.2	8.76	9	302	100	298	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4747	-0.0038	-4	1254	1260	LEVEWER	42	98.281			Mascot
960.4785	960.4747	-0.0038	-4	1254	1260	LEVEWER					Mascot
984.4243	984.42	-0.0043	-4	1226	1233	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1109.4818	1109.4904	0.0086	8	1087	1097	SHSTSSSSSSSR					Mascot
1193.6083	1193.5951	-0.0132	-11	828	837	LESMTLDQLK			Oxidation (M)[4]		Mascot
1193.6083	1193.5951	-0.0132	-11	828	837	LESMTLDQLK			Oxidation (M)[4]		Mascot
1287.6691	1287.6666	-0.0025	-2	1241	1253	AEAGVLGEFPAAR					Mascot
1287.6691	1287.6666	-0.0025	-2	1241	1253	AEAGVLGEFPAAR	121	100			Mascot
1359.6508	1359.6165	-0.0343	-25	184	194	DLSHCQERIMK					Mascot
1796.9581	1796.9534	-0.0047	-3	342	356	LSTLDKFEAIWAQFK					Mascot
1826.9799	1826.9766	-0.0033	-2	1179	1194	LLGYQLAAYFDKPTAR	135	100			Mascot
1826.9799	1826.9766	-0.0033	-2	1179	1194	LLGYQLAAYFDKPTAR					Mascot
2060.1426	2060.1409	-0.0017	-1	1254	1270	LEVEWERLPIIVTTYAK					Mascot

8	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]				gi 94732723		147084.2	8.73	9	301	100	298	100	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4747	-0.0038	-4	1239	1245	LEVEWER	42	98.281			Mascot
960.4785	960.4747	-0.0038	-4	1239	1245	LEVEWER					Mascot
984.4243	984.42	-0.0043	-4	1211	1218	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1109.4818	1109.4904	0.0086	8	1087	1097	SHSTSSSSSSSR					Mascot
1193.6083	1193.5951	-0.0132	-11	828	837	LESMTLDQLK			Oxidation (M)[4]		Mascot
1193.6083	1193.5951	-0.0132	-11	828	837	LESMTLDQLK			Oxidation (M)[4]		Mascot

	1287.6691	1287.6666	-0.0025	-2	1226	1238	AEAGVLGEFPAAR									Mascot
	1287.6691	1287.6666	-0.0025	-2	1226	1238	AEAGVLGEFPAAR	121	100							Mascot
	1359.6508	1359.6165	-0.0343	-25	184	194	DLSHCQERIMK									Mascot
	1796.9581	1796.9534	-0.0047	-3	342	356	LSTLDKFEAIWAQFK									Mascot
	1826.9799	1826.9766	-0.0033	-2	1164	1179	LLGYQLAAYFDKPTAR	135	100							Mascot
	1826.9799	1826.9766	-0.0033	-2	1164	1179	LLGYQLAAYFDKPTAR									Mascot
	2060.1426	2060.1409	-0.0017	-1	1239	1255	LEVEWERLPIIVTTYAK									Mascot

9 hypothetical protein LOC327615 [Danio rerio] gi|70778934 24931.7 6.29 9 225 100 165 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
902.4842	902.4831	-0.0011	-1	132	138	SLHQVYR					Mascot
1024.5825	1024.5802	-0.0023	-2	63	70	EILFAYR					Mascot
1024.5825	1024.5802	-0.0023	-2	63	70	EILFAYR	58	99.955			Mascot
1058.5516	1058.5474	-0.0042	-4	87	95	FSVYIQSSK					Mascot
1142.5225	1142.5199	-0.0026	-2	189	197	AVYYNQDNR					Mascot
1142.5225	1142.5199	-0.0026	-2	189	197	AVYYNQDNR	63	99.985			Mascot
1193.595	1193.5951	0.0001	0	200	209	GNVFDWNTIK	44	98.88			Mascot
1193.595	1193.5951	0.0001	0	200	209	GNVFDWNTIK					Mascot
1359.6176	1359.6165	-0.0011	-1	71	81	TPDDDELNVWR					Mascot
1556.8207	1556.8214	0.0007	0	23	36	TLLFPTATDTSYVK					Mascot
2152.2085	2152.0466	-0.1619	-75	2	22	LLFFCLLSVTLAAAEVGLS GK					Mascot
2283.249	2283.1819	-0.0671	-29	1	22	MLLFFCLLSVTLAAAEVG LSGK					Mascot

10 Zgc:136383 [Danio rerio] gi|92097636 28809.9 9.33 5 193 100 177 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4747	-0.0038	-4	156	162	LEVEWER	42	98.281			Mascot
960.4785	960.4747	-0.0038	-4	156	162	LEVEWER					Mascot
984.4243	984.42	-0.0043	-4	128	135	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1045.5465	1045.5621	0.0156	15	246	253	DFLSWIHK					Mascot
1193.6348	1193.5951	-0.0397	-33	16	25	TATIMEPFRK					Mascot
1193.6348	1193.5951	-0.0397	-33	16	25	TATIMEPFRK					Mascot
1826.9799	1826.9766	-0.0033	-2	81	96	LLGYQLAAYFDKPTAR	135	100			Mascot
1826.9799	1826.9766	-0.0033	-2	81	96	LLGYQLAAYFDKPTAR					Mascot

11 vitellogenin 6 [Danio rerio] gi|57864787 38968.8 8.92 5 193 100 177 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4747	-0.0038	-4	255	261	LEVEWER	42	98.281			Mascot
960.4785	960.4747	-0.0038	-4	255	261	LEVEWER					Mascot
984.4243	984.42	-0.0043	-4	227	234	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1193.6348	1193.5951	-0.0397	-33	115	124	TATIMEPFRK					Mascot
1193.6348	1193.5951	-0.0397	-33	115	124	TATIMEPFRK					Mascot
1826.9799	1826.9766	-0.0033	-2	180	195	LLGYQLAAYFDKPTAR	135	100			Mascot
1826.9799	1826.9766	-0.0033	-2	180	195	LLGYQLAAYFDKPTAR					Mascot
1958.0189	1958.0162	-0.0027	-1	291	308	ATNSEKEIELTAALPSQR					Mascot

12 vitellogenin 4 [Danio rerio] gi|57864783 31189.9 9.48 5 192 100 177 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4747	-0.0038	-4	182	188	LEVEWER	42	98.281			Mascot
960.4785	960.4747	-0.0038	-4	182	188	LEVEWER					Mascot
984.4243	984.42	-0.0043	-4	154	161	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1193.6348	1193.5951	-0.0397	-33	42	51	TATIMEPFRK					Mascot
1193.6348	1193.5951	-0.0397	-33	42	51	TATIMEPFRK					Mascot
1359.7518	1359.6165	-0.1353	-100	224	235	EIELTAALPFQK					Mascot
1826.9799	1826.9766	-0.0033	-2	107	122	LLGYQLAAYFDKPTAR	135	100			Mascot
1826.9799	1826.9766	-0.0033	-2	107	122	LLGYQLAAYFDKPTAR					Mascot

13 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733734 149808.5 8.83 10 190 100 177 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
902.5458	902.4831	-0.0627	-69	429	436	FVSIPALR					Mascot
960.4785	960.4747	-0.0038	-4	1265	1271	LEVEWER	42	98.281			Mascot
960.4785	960.4747	-0.0038	-4	1265	1271	LEVEWER					Mascot
984.4243	984.42	-0.0043	-4	1237	1244	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1193.6348	1193.5951	-0.0397	-33	1125	1134	TATIMEPFRK					Mascot
1193.6348	1193.5951	-0.0397	-33	1125	1134	TATIMEPFRK					Mascot

	1359.6508	1359.6165	-0.0343	-25	188	198	DLSHCQERIMK									Mascot
	1638.8485	1638.8563	0.0078	5	672	687	TYLAGAAADVVEFGVR									Mascot
	1796.8928	1796.9534	0.0606	34	76	90	LMDPLLYEYAGTWPK									Mascot
	1826.9799	1826.9766	-0.0033	-2	1190	1205	LLGYQLAAYFDKPTAR		135	100						Mascot
	1826.9799	1826.9766	-0.0033	-2	1190	1205	LLGYQLAAYFDKPTAR									Mascot
	1958.0189	1958.0162	-0.0027	-1	1301	1318	ATNSEKEIELTAALPSQR									Mascot
	2233.2009	2233.0815	-0.1194	-53	597	618	SLTRITAPDMAYVAGAAN VAIK									Mascot
14	Zgc:136383 protein [Danio rerio]				gi 125857991		148644.2	8.93	10	185	100	177	100			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	960.4785	960.4747	-0.0038	-4	1255	1261	LEVEWER	42	98.281			Mascot
	960.4785	960.4747	-0.0038	-4	1255	1261	LEVEWER					Mascot
	984.4243	984.42	-0.0043	-4	1227	1234	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
	1045.5465	1045.5621	0.0156	15	1345	1352	DFLSWIHK					Mascot
	1193.6348	1193.5951	-0.0397	-33	1115	1124	TATIMEPFRK					Mascot
	1193.6348	1193.5951	-0.0397	-33	1115	1124	TATIMEPFRK					Mascot
	1359.6508	1359.6165	-0.0343	-25	183	193	DLSHCQERIMK					Mascot
	1382.7889	1382.7759	-0.013	-9	302	314	ISDAPAQIVEVLK					Mascot
	1382.7889	1382.7759	-0.013	-9	302	314	ISDAPAQIVEVLK					Mascot
	1796.8928	1796.9534	0.0606	34	71	85	LMDPLLYEYAGTWPK					Mascot
	1826.9799	1826.9766	-0.0033	-2	1180	1195	LLGYQLAAYFDKPTAR	135	100			Mascot
	1826.9799	1826.9766	-0.0033	-2	1180	1195	LLGYQLAAYFDKPTAR					Mascot
	2233.2009	2233.0815	-0.1194	-53	592	613	SLTRITAPDMAYVAGAAN VAIK					Mascot
	2384.3071	2383.9509	-0.3562	-149	1035	1055	LLKQINIIDDDTPEGQAF LK					Mascot

15	Vtg5 protein [Danio rerio]				gi 148744685		27543.3	9.2	3	185	100	177	100			
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	960.4785	960.4747	-0.0038	-4	144	150	LEVEWER	42	98.281			Mascot
	960.4785	960.4747	-0.0038	-4	144	150	LEVEWER					Mascot
	984.4243	984.42	-0.0043	-4	116	123	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
	1826.9799	1826.9766	-0.0033	-2	69	84	LLGYQLAAYFDKPTAR	135	100			Mascot
	1826.9799	1826.9766	-0.0033	-2	69	84	LLGYQLAAYFDKPTAR					Mascot

16 vitellogenin 5 [Danio rerio] gi|57864785 72820.8 9 4 185 100 177 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
960.4785	960.4747	-0.0038	-4	564	570	LEVEWER	42	98.281			Mascot
960.4785	960.4747	-0.0038	-4	564	570	LEVEWER					Mascot
984.4243	984.42	-0.0043	-4	536	543	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1069.5021	1069.5587	0.0566	53	230	238	NIENHSAER					Mascot
1826.9799	1826.9766	-0.0033	-2	489	504	LLGYQLAAYFDKPTAR	135	100			Mascot
1826.9799	1826.9766	-0.0033	-2	489	504	LLGYQLAAYFDKPTAR					Mascot

17 hypothetical protein LOC678536 [Danio rerio] gi|160420306 148750.2 8.89 10 184 100 177 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
960.4785	960.4747	-0.0038	-4	1256	1262	LEVEWER	42	98.281			Mascot
960.4785	960.4747	-0.0038	-4	1256	1262	LEVEWER					Mascot
984.4243	984.42	-0.0043	-4	1228	1235	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1045.5465	1045.5621	0.0156	15	1346	1353	DFLSWIHK					Mascot
1193.6348	1193.5951	-0.0397	-33	1116	1125	TATIMEPFRK					Mascot
1193.6348	1193.5951	-0.0397	-33	1116	1125	TATIMEPFRK					Mascot
1359.6508	1359.6165	-0.0343	-25	184	194	DLSHCQERIMK					Mascot
1382.7889	1382.7759	-0.013	-9	303	315	ISDAPAQIVEVLK					Mascot
1382.7889	1382.7759	-0.013	-9	303	315	ISDAPAQIVEVLK					Mascot
1796.8928	1796.9534	0.0606	34	72	86	LMDPLLYEYAGTWPK					Mascot
1826.9799	1826.9766	-0.0033	-2	1181	1196	LLGYQLAAYFDKPTAR	135	100			Mascot
1826.9799	1826.9766	-0.0033	-2	1181	1196	LLGYQLAAYFDKPTAR					Mascot
2233.2009	2233.0815	-0.1194	-53	593	614	SLTRITAPDMAYVAGAAAN VAIK					Mascot
2384.3071	2383.9509	-0.3562	-149	1036	1056	LLKQINIIDDDTPEGQAFL LK					Mascot

18 Zgc:136383 protein [Danio rerio] gi|159155252 123957.1 8.78 8 184 100 177 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
960.4785	960.4747	-0.0038	-4	1033	1039	LEVEWER	42	98.281			Mascot
960.4785	960.4747	-0.0038	-4	1033	1039	LEVEWER					Mascot

	984.4243	984.42	-0.0043	-4	1005	1012	FSWGAECK						Carbamidomethyl (C)[7]	Mascot
	1045.5465	1045.5621	0.0156	15	1123	1130	DFLSWIHK							Mascot
	1193.6348	1193.5951	-0.0397	-33	893	902	TATIMEPFRK							Mascot
	1193.6348	1193.5951	-0.0397	-33	893	902	TATIMEPFRK							Mascot
	1382.7889	1382.7759	-0.013	-9	80	92	ISDAPAQIVEVLK							Mascot
	1382.7889	1382.7759	-0.013	-9	80	92	ISDAPAQIVEVLK							Mascot
	1826.9799	1826.9766	-0.0033	-2	958	973	LLGYQLAAYFDKPTAR	135	100					Mascot
	1826.9799	1826.9766	-0.0033	-2	958	973	LLGYQLAAYFDKPTAR							Mascot
	2233.2009	2233.0815	-0.1194	-53	370	391	SLTRITAPDMAYVAGAAN VAIK							Mascot
	2384.3071	2383.9509	-0.3562	-149	813	833	LLKQINIIDDDTPEGQAFL LK							Mascot
19	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733731							149169.2	8.84	6	177	100	177	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
960.4785	960.4747	-0.0038	-4	1260	1266	LEVEWER	42	98.281				Mascot
960.4785	960.4747	-0.0038	-4	1260	1266	LEVEWER						Mascot
984.4243	984.42	-0.0043	-4	1232	1239	FSWGAECK				Carbamidomethyl (C)[7]		Mascot
1359.6508	1359.6165	-0.0343	-25	188	198	DLSHCQERIMK						Mascot
1826.9799	1826.9766	-0.0033	-2	1185	1200	LLGYQLAAYFDKPTAR	135	100				Mascot
1826.9799	1826.9766	-0.0033	-2	1185	1200	LLGYQLAAYFDKPTAR						Mascot
1840.8938	1840.9392	0.0454	25	76	90	LMDPLLYEYAGTWPR				Oxidation (M)[2]		Mascot
2362.1926	2362.1829	-0.0097	-4	601	623	ITAPDMASVAGAANVAIK LMNCK				Carbamidomethyl (C)[22], Oxidation (M)[6]		Mascot

20	novel pentaxin family domain containing protein [Danio rerio] gi 126540681							25217.9	5.61	4	138	100	121	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
902.4842	902.4831	-0.0011	-1	135	141	SLHQVYR						Mascot
1024.5825	1024.5802	-0.0023	-2	66	73	EILFAYR						Mascot
1024.5825	1024.5802	-0.0023	-2	66	73	EILFAYR	58	99.955				Mascot
1058.5854	1058.5474	-0.038	-36	134	141	RSLHQVYR						Mascot
1142.5225	1142.5199	-0.0026	-2	192	200	AVYYNQDNR						Mascot
1142.5225	1142.5199	-0.0026	-2	192	200	AVYYNQDNR	63	99.985				Mascot

21	25 kDa heat shock protein [Danio rerio] gi 56554759							22360	6.52	8	105	100	50	99.699
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Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	897.4651	897.4606	-0.0045	-5	6	12 IPFSFMR					Mascot
	911.4006	911.3969	-0.0037	-4	21	27 DWYQGSR					Mascot
	913.46	913.4553	-0.0047	-5	6	12 IPFSFMR				Oxidation (M)[6]	Mascot
	960.4533	960.4747	0.0214	22	136	143 DEHGFISR		2	0		Mascot
	960.4533	960.4747	0.0214	22	136	143 DEHGFISR					Mascot
	991.4631	991.4583	-0.0048	-5	13	20 SPSWDPFR					Mascot
	1069.5612	1069.5587	-0.0025	-2	5	12 RIPFSFMR				Oxidation (M)[7]	Mascot
	1088.5483	1088.5442	-0.0041	-4	135	143 KDEHGFISR					Mascot
	1840.944	1840.9392	-0.0048	-3	104	119 ISLDVNHFSPEELNVK					Mascot
	1883.8459	1883.8416	-0.0043	-2	13	27 SPSWDPFRDWYQGSR					Mascot
	1883.8459	1883.8416	-0.0043	-2	13	27 SPSWDPFRDWYQGSR		52	99.796		Mascot
22	Unknown (protein for IMAGE:7242112) [Danio rerio]				gi 53734153	26224.4	5.91	5	81	99.965	58 99.955
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	1024.5825	1024.5802	-0.0023	-2	75	82 EIILFAYR					Mascot
	1024.5825	1024.5802	-0.0023	-2	75	82 EIILFAYR		58	99.955		Mascot
	1179.5792	1179.6014	0.0222	19	212	221 GNVFDWNSIK					Mascot
	1359.6539	1359.6165	-0.0374	-28	83	93 TPETDELNVWR					Mascot
	1556.8207	1556.8214	0.0007	0	35	48 TLLFPTATDTSYVK					Mascot
	2283.249	2283.1819	-0.0671	-29	13	34 MLLFFCLLSVTLAAAEVG LSGK					Mascot
23	hypothetical protein LOC751795 [Danio rerio]				gi 113951771	25418.8	4.86	4	80	99.953	63 99.985
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	902.4842	902.4831	-0.0011	-1	135	141 SLHQVYR					Mascot
	1024.5673	1024.5802	0.0129	13	90	98 VSLYIQSSK					Mascot
	1024.5673	1024.5802	0.0129	13	90	98 VSLYIQSSK					Mascot
	1058.5854	1058.5474	-0.038	-36	134	141 RSLHQVYR					Mascot
	1142.5225	1142.5199	-0.0026	-2	192	200 AVYYNQDNR					Mascot
	1142.5225	1142.5199	-0.0026	-2	192	200 AVYYNQDNR		63	99.985		Mascot
24	Zgc:152809 protein [Danio rerio]				gi 63102481	23889.9	4.94	4	79	99.949	63 99.985

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	902.4842	902.4831	-0.0011	-1	121	127 SLHQVYR					Mascot
	1024.5673	1024.5802	0.0129	13	76	84 VSLYIQSSK					Mascot
	1024.5673	1024.5802	0.0129	13	76	84 VSLYIQSSK					Mascot
	1058.5854	1058.5474	-0.038	-36	120	127 RSLHQVYR					Mascot
	1142.5225	1142.5199	-0.0026	-2	178	186 AVYYNQDNR					Mascot
	1142.5225	1142.5199	-0.0026	-2	178	186 AVYYNQDNR		63	99.985		Mascot
25	Zgc:152809 protein [Danio rerio]				gij 51858942		26440.3	5.21	4	79 99.948	63 99.985
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	902.4842	902.4831	-0.0011	-1	144	150 SLHQVYR					Mascot
	1024.5673	1024.5802	0.0129	13	99	107 VSLYIQSSK					Mascot
	1024.5673	1024.5802	0.0129	13	99	107 VSLYIQSSK					Mascot
	1058.5854	1058.5474	-0.038	-36	143	150 RSLHQVYR					Mascot
	1142.5225	1142.5199	-0.0026	-2	201	209 AVYYNQDNR					Mascot
	1142.5225	1142.5199	-0.0026	-2	201	209 AVYYNQDNR		63	99.985		Mascot
26	hypothetical protein LOC100141336 [Danio rerio]				gij 168823478		24942.7	5.78	4	75 99.862	58 99.955
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	902.4842	902.4831	-0.0011	-1	133	139 SLHQVYR					Mascot
	1024.5825	1024.5802	-0.0023	-2	64	71 EIILFAYR					Mascot
	1024.5825	1024.5802	-0.0023	-2	64	71 EIILFAYR		58	99.955		Mascot
	1058.5516	1058.5474	-0.0042	-4	88	96 FSVYIQSSK					Mascot
	1359.6176	1359.6165	-0.0011	-1	72	82 TPDDDELNVWR					Mascot
27	Zgc:136389 [Danio rerio]				gij 133777702		25346.8	5.18	3	74 99.823	63 99.985
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	902.4842	902.4831	-0.0011	-1	135	141 SLHQVYR					Mascot

	1058.5854	1058.5474	-0.038	-36	134	141	RSLHQVYR							Mascot
	1142.5225	1142.5199	-0.0026	-2	192	200	AVYYNQDNR							Mascot
	1142.5225	1142.5199	-0.0026	-2	192	200	AVYYNQDNR	63	99.985					Mascot
28	LOC570524 protein [Danio rerio]				gi 62204912		26469.4	5.55	1	63	97.718	63	99.985	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1142.5225	1142.5199	-0.0026	-2	202	210	AVYYNQDNR					Mascot
1142.5225	1142.5199	-0.0026	-2	202	210	AVYYNQDNR	63	99.985			Mascot

29	Vtg6 protein [Danio rerio]				gi 157422885		27937.4	9.18	5	59	93.997	42	98.281	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
913.423	913.4553	0.0323	35	1	8	MSSSRMSK					Mascot
960.4785	960.4747	-0.0038	-4	149	155	LEVEWER	42	98.281			Mascot
960.4785	960.4747	-0.0038	-4	149	155	LEVEWER					Mascot
984.4243	984.42	-0.0043	-4	121	128	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1193.6348	1193.5951	-0.0397	-33	9	18	TATIMEPFRK					Mascot
1193.6348	1193.5951	-0.0397	-33	9	18	TATIMEPFRK					Mascot
1958.0189	1958.0162	-0.0027	-1	185	202	ATNSEKEIELTAALPSQR					Mascot

30	Si:ch211-234p6.12 protein [Danio rerio]				gi 158253488		25010.6	4.76	3	56	88.295	44	98.88	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1193.595	1193.5951	0.0001	0	201	210	GNVFDWNTIK	44	98.88			Mascot
1193.595	1193.5951	0.0001	0	201	210	GNVFDWNTIK					Mascot
1849.0581	1848.9543	-0.1038	-56	57	71	LELLVDREVILFAYR					Mascot
2362.3489	2362.1829	-0.166	-70	1	23	MLVLFCLLSLTLAATEV GLGGK					Mascot

31	PREDICTED: serine/threonine-protein kinase pim-3-like [Danio rerio]				gi 326675215		23705.1	8.34	6	56	87.458	26	16.363	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
991.4843	991.4583	-0.026	-26	120	127	LQEGEPYR					Mascot

32	heat shock protein 25 [Danio rerio]	gi 52078122	22344.1	6.52	8	54	83.081
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
897.4651	897.4606	-0.0045	-5	6	12	IPFSFMR					Mascot
911.4006	911.3969	-0.0037	-4	21	27	DWYQGSR					Mascot
913.46	913.4553	-0.0047	-5	6	12	IPFSFMR			Oxidation (M)[6]		Mascot
960.4533	960.4747	0.0214	22	136	143	DEHGFISR	2	0			Mascot
960.4533	960.4747	0.0214	22	136	143	DEHGFISR					Mascot
1069.5612	1069.5587	-0.0025	-2	5	12	RIPFSFMR			Oxidation (M)[7]		Mascot
1088.5483	1088.5442	-0.0041	-4	135	143	KDEHGFISR					Mascot
1840.944	1840.9392	-0.0048	-3	104	119	ISLDVNHFSPEELNVK					Mascot
1883.8804	1883.8416	-0.0388	-21	87	103	QLSSGMSEVKQTGDSW K			Oxidation (M)[6]		Mascot
1883.9261	1883.8416	-0.0845	-45	6	20	IPFSFMRTPSWDPFR					Mascot

33	hypothetical protein LOC100141350 [Danio rerio]	qil168823510	25044.6	4.76	2	51	63.828	44	98.88
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1193.595	1193.5951	0.0001	0	201	210	GNVFDWNTIK	44	98.88			Mascot
1193.595	1193.5951	0.0001	0	201	210	GNVFDWNTIK					Mascot
1849.0581	1848.9543	-0.1038	-56	57	71	LELLVDREVILFAYR					Mascot

34	novel pentaxin family domain containing protein [Danio rerio]	gi 126540682	25000.6	4.81	1	44	0	44	98.88
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1193.595	1193.5951	0.0001	0	201	210	GNVFDWNTIK	44	98.88			Mascot

Mascot

Mascot

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
913.4447	913.4553	0.0106	12	10	18	CASSALFSK					Mascot
960.5359	960.4747	-0.0612	-64	107	115	GKSIDEALK	21	0			Mascot
960.5359	960.4747	-0.0612	-64	107	115	GKSIDEALK					Mascot
1045.5636	1045.5621	-0.0015	-1	44	53	NVGSLDKNAK					Mascot
1069.5459	1069.5587	0.0128	12	9	18	RCASSALFSK					Mascot
2283.1545	2283.1819	0.0274	12	124	143	ELCLPPVKLHCSMLAEDAIK			Carbamidomethyl (C)[3], Oxidation (M)[13]		Mascot

Mascot

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
842.5206	842.5062	-0.0144	-17	61	67 ALQIKNR	18	0		Mascot
960.4744	960.4747	0.0003	0	720	726 ELEERER			Mascot	
960.4744	960.4747	0.0003	0	720	726 ELEERER			Mascot	
984.4818	984.42	-0.0618	-63	460	466 KEYEMLR			Oxidation (M)[5]	Mascot
991.524	991.4583	-0.0657	-66	208	215 NMVDQLKK			Oxidation (M)[2]	Mascot
1045.5823	1045.5621	-0.0202	-19	786	793 LMQQLREK			Mascot	
1058.559	1058.5474	-0.0116	-11	886	894 TQLEGVQQR			Mascot	
1287.6791	1287.6666	-0.0125	-10	743	753 SVEEQIDILNK			Mascot	
1287.6791	1287.6666	-0.0125	-10	743	753 SVEEQIDILNK			Mascot	
1325.6155	1325.7542	0.1387	105	794	804 DDANFKLMSER			Mascot	
1325.6155	1325.7542	0.1387	105	794	804 DDANFKLMSER			Mascot	
1475.6268	1475.7551	0.1283	87	975	985 CFHVFCECVK			Carbamidomethyl (C)[1,6]	Mascot
1556.8643	1556.8214	-0.0429	-28	741	753 IRSVEEQIDILNK			Mascot	
1638.7826	1638.8563	0.0737	45	317	332 VCGEASSVCGTITINK			Carbamidomethyl (C)[2]	Mascot
1707.7478	1707.7684	0.0206	12	995	1009 CPKCNAAFGANDFHR			Carbamidomethyl (C)[1]	Mascot
1826.8514	1826.9766	0.1252	69	139	155 SLKPGTPEPDGDSNQR			Mascot	
1826.8514	1826.9766	0.1252	69	139	155 SLKPGTPEPDGDSNQR	Mascot			
1883.9821	1883.8416	-0.1405	-75	69	84 LGEALDQRQVIEDEL	Mascot			

	1883.9821	1883.8416	-0.1405	-75	69	84	LGEALDQRQVIEDEL											Mascot
	1957.8668	1958.0162	0.1494	76	121	138	RCDQSGSEPVESQPPEG R											Mascot
37	Dci protein [Danio rerio]				gi 126631574		34144.4	8.58	9	43	0							

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	991.4989	991.4583	-0.0406	-41	93	100	LELDRSCR					Mascot
	996.4965	996.5927	0.0962	97	260	267	QISKSMR			Oxidation (M)[6]		Mascot
	1142.5688	1142.5199	-0.0489	-43	47	56	NDYSTSSKIK					Mascot
	1142.5688	1142.5199	-0.0489	-43	47	56	NDYSTSSKIK					Mascot
	1320.636	1320.5797	-0.0563	-43	297	307	SLGMYMAMLLK			Oxidation (M)[4,6,8]		Mascot
	1359.7413	1359.6165	-0.1248	-92	98	110	SCRGVITSAQPK					Mascot
	1472.7267	1472.809	0.0823	56	279	291	EADTTNFVSFITK					Mascot
	2211.1589	2211.1016	-0.0573	-26	240	259	VLSTAAETMTKWLAI PDHAR					Mascot
	2501.2466	2501.252	0.0054	2	19	41	FTHPGFLSLLSGNSSHG RSCALR			Carbamidomethyl (C)[20]		Mascot
	2584.1775	2584.2065	0.029	11	149	172	VTIAAINGNSPAGGCLLA MCCDYR			Carbamidomethyl (C)[15,20,21]		Mascot

38	novel protein [Danio rerio]				gi 148725802		117860.5	8.97	15	42	0							
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	960.5472	960.4747	-0.0725	-75	29	36	KLSLETNR					Mascot
	960.5472	960.4747	-0.0725	-75	29	36	KLSLETNR					Mascot
	1024.5309	1024.5802	0.0493	48	143	152	ALSAAEAYTK					Mascot
	1024.5309	1024.5802	0.0493	48	143	152	ALSAAEAYTK					Mascot
	1069.4652	1069.5587	0.0935	87	901	909	QAMESNMVK			Oxidation (M)[3,7]		Mascot
	1088.512	1088.5442	0.0322	30	47	54	QWDVQEQR					Mascot
	1193.5038	1193.5951	0.0913	76	810	819	CGENGICLDR			Carbamidomethyl (C)[1,7]		Mascot
	1193.5765	1193.5951	0.0186	16	900	909	RQAMESNMVK					Mascot
	1434.6067	1434.765	0.1583	110	309	321	DQSQAFAHGCQK					Mascot
	1493.7529	1493.7321	-0.0208	-14	14	24	EVLLQEQRYSR			Carbamidomethyl (C)[10]		Mascot
	1707.8707	1707.7684	-0.1023	-60	127	142	SCTPSPKPSGGARHLR			Carbamidomethyl (C)[2]		Mascot
	1778.8854	1778.8264	-0.059	-33	393	408	YAKHSSVMQTSPLTGR			Oxidation (M)[8]		Mascot
	1848.959	1848.9543	-0.0047	-3	360	376	TQALPDTPLEFSSLT					Mascot
	2362.2183	2362.1829	-0.0354	-15	243	264	LQESNCLPSPLRPSHPTS SIAK					Mascot

	2369.0422	2369.0056	-0.0366	-15	322	341	ELTQQDLVANSEHMTND NDR						Oxidation (M)[14]	Mascot
	2501.2393	2501.252	0.0127	5	64	84	HQQVQEATENFQRAHLP PSQR							Mascot
	3052.3411	3052.6172	0.2761	90	215	242	SHDTPPVCSSQQSTTCA QSFYNPLDNP							Mascot
39	iron-sulfur cluster assembly enzyme [Danio rerio]						gi 54261801	17796.2	8.7	5	42	0	20	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
913.4447	913.4553	0.0106	12	10	18	CASSALFSK					Mascot
960.5083	960.4747	-0.0336	-35	1	9	MALAAAAWR					Mascot
960.5359	960.4747	-0.0612	-64	107	115	GKSIDALK	21		0		Mascot
1045.5636	1045.5621	-0.0015	-1	44	53	NVGSCLKNAK					Mascot
2283.1545	2283.1819	0.0274	12	124	143	ELCLPPVKLHCSMLAEDA IK			Carbamidomethyl (C)[3], Oxidation (M)[13]		Mascot

40	novel protein similar to vertebrate jumping translocation breakpoint (JTB) [Danio rerio]						gi 94734166	17809.2	8.78	8	42	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
911.4217	911.3969	-0.0248	-27	99	105	SNRDEYK					Mascot
1088.5703	1088.5442	-0.0261	-24	12	20	IPMSCLRPR			Oxidation (M)[3]		Mascot
1211.533	1211.7124	0.1794	148	2	11	CIRVMESDCR					Mascot
1325.5759	1325.7542	0.1783	135	2	11	CIRVMESDCR			Carbamidomethyl (C)[1,9]		Mascot
1325.5759	1325.7542	0.1783	135	2	11	CIRVMESDCR			Carbamidomethyl (C)[1,9]		Mascot
1472.6113	1472.809	0.1977	134	1	11	MCIRVMESDCR			Carbamidomethyl (C)[2,10], Oxidation (M)[1]		Mascot
1838.8816	1838.9181	0.0365	20	54	69	AMTAPCWQLEEFVAK			Oxidation (M)[2]		Mascot
1908.8911	1908.8069	-0.0842	-44	5	20	VMESDCRIPMSCLRPR			Oxidation (M)[2]		Mascot
2566.3044	2566.2761	-0.0283	-11	47	69	TAVAVTKAMTAPCWQLE EFVAK			Carbamidomethyl (C)[13], Oxidation (M)[9]		Mascot
2584.2456	2584.2065	-0.0391	-15	70	93	ECSVCEGLQLKTIPACSQ TGFIK					Mascot

41	PREDICTED: calcium-dependent secretion activator 1 [Danio rerio]						gi 326668736	141178	5.62	18	42	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
902.5305	902.4831	-0.0474	-53	760	767	ATLSLLER					Mascot
913.4672	913.4553	-0.0119	-13	977	983	HLDNRMK					Mascot

	991.4699	991.4583	-0.0116	-12	481	488	MDKPQNMK						Mascot
	1007.4648	1007.5144	0.0496	49	481	488	MDKPQNMK	Oxidation (M)[1]					Mascot
	1045.5459	1045.5621	0.0162	15	280	288	LQMADQIAR						Mascot
	1058.5729	1058.5474	-0.0255	-24	186	195	SLPEIDGLSK						Mascot
	1069.4652	1069.5587	0.0935	87	1219	1228	EGGMQGISMK	Oxidation (M)[4,9]					Mascot
	1088.5331	1088.5442	0.0111	10	73	80	LQREEEER						Mascot
	1179.6343	1179.6014	-0.0329	-28	578	586	ILWVQAMYP						Mascot
	1472.6759	1472.809	0.1331	90	383	395	IVYCTMEVEGGQK	Oxidation (M)[6]					Mascot
	1493.7166	1493.7321	0.0155	10	789	800	CLEQAAQINYQR	Carbamidomethyl (C)[1]					Mascot
	1545.9363	1545.7324	-0.2039	-132	1071	1084	FVAILESVLAKISR						Mascot
	1838.9213	1838.9181	-0.0032	-2	1016	1031	IPLSLCTMFNMVMDAK	Carbamidomethyl (C)[6]					Mascot
	1840.9003	1840.9392	0.0389	21	1085	1100	YDEGTLFSSFLSFTVK						Mascot
	2152.0525	2152.0466	-0.0059	-3	377	395	SLAPNRIVYCTMEVEGGQK	Carbamidomethyl (C)[10]					Mascot
	2224.9397	2225.1174	0.1777	80	1	20	MLDPSSSEESDGIVEEESR						Mascot
	2233.166	2233.0815	-0.0845	-38	84	101	LQLYVFMRCIAYPFNAK	Carbamidomethyl (C)[10]					Mascot
	2369.1475	2369.0056	-0.1419	-60	310	331	SSVNQLMANLESMPVSKGGEFK	Oxidation (M)[7]					Mascot
	2384.1658	2383.9509	-0.2149	-90	1016	1036	IPLSLCTMFNMVMDAKDQSAK	Carbamidomethyl (C)[6], Oxidation (M)[8]					Mascot
42	hypothetical protein LOC560832 [Danio rerio]				gi 154091038		17537.8	8.34	8	42	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
911.4217	911.3969	-0.0248	-27	99	105	SNRDEYK					Mascot
1088.5703	1088.5442	-0.0261	-24	12	20	IPMSCLRPR			Oxidation (M)[3]		Mascot
1211.533	1211.7124	0.1794	148	2	11	CIRVMESDCR					Mascot
1325.5759	1325.7542	0.1783	135	2	11	CIRVMESDCR			Carbamidomethyl (C)[1,9]		Mascot
1325.5759	1325.7542	0.1783	135	2	11	CIRVMESDCR			Carbamidomethyl (C)[1,9]		Mascot
1472.6113	1472.809	0.1977	134	1	11	MCIRVMESDCR			Carbamidomethyl (C)[2,10], Oxidation (M)[1]		Mascot
1838.8816	1838.9181	0.0365	20	54	69	AMTAPCWQLEEFVAK			Oxidation (M)[2]		Mascot
1908.8911	1908.8069	-0.0842	-44	5	20	VMESDCRIPMSCLRPR			Oxidation (M)[2]		Mascot
2566.3044	2566.2761	-0.0283	-11	47	69	TAVAVTKAMTAPCWQLEEFVAK			Carbamidomethyl (C)[13], Oxidation (M)[9]		Mascot
2584.2456	2584.2065	-0.0391	-15	70	93	ECSVCEGLQLKTIPACSQTGFIK					Mascot

43 PREDICTED: calcium-dependent secretion activator 1 [Danio rerio] gi|326668734 142952 5.72 18 41 0

Peptide Information

	Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	902.5305	902.4831	-0.0474	-53	773	780 ATLSLLER					Mascot
	913.4672	913.4553	-0.0119	-13	990	996 HLDNRMK					Mascot
	991.4699	991.4583	-0.0116	-12	481	488 MDKPQNMK					Mascot
	1007.4648	1007.5144	0.0496	49	481	488 MDKPQNMK			Oxidation (M)[1]		Mascot
	1045.5459	1045.5621	0.0162	15	280	288 LQMADQIAR					Mascot
	1058.5729	1058.5474	-0.0255	-24	186	195 SLPEIDGLSK					Mascot
	1069.4652	1069.5587	0.0935	87	1232	1241 EGGMQGISMK			Oxidation (M)[4,9]		Mascot
	1088.5331	1088.5442	0.0111	10	73	80 LQREEEER					Mascot
	1179.6343	1179.6014	-0.0329	-28	578	586 ILWVQAMYP					Mascot
	1472.6759	1472.809	0.1331	90	383	395 IVYCTMEVEGGQK			Oxidation (M)[6]		Mascot
	1493.7166	1493.7321	0.0155	10	802	813 CLEQAAQINYQR			Carbamidomethyl (C)[1]		Mascot
	1545.9363	1545.7324	-0.2039	-132	1084	1097 FVAILESVLAKISR					Mascot
	1838.9213	1838.9181	-0.0032	-2	1029	1044 IPLSLCTMFNVMDAK			Carbamidomethyl (C)[6]		Mascot
	1840.9003	1840.9392	0.0389	21	1098	1113 YDEGTLFSSFLSFTVK					Mascot
	2152.0525	2152.0466	-0.0059	-3	377	395 SLAPNRIVYCTMEVEGG QK			Carbamidomethyl (C)[10]		Mascot
	2224.9397	2225.1174	0.1777	80	1	20 MLDPSSEEEESDGIVEEE SR					Mascot
	2233.166	2233.0815	-0.0845	-38	84	101 LQLYVFVMRCIAYPFNAK			Carbamidomethyl (C)[10]		Mascot
	2369.1475	2369.0056	-0.1419	-60	310	331 SSVNQLMANLESMPVSK GGEFK			Oxidation (M)[7]		Mascot
	2384.1658	2383.9509	-0.2149	-90	1029	1049 IPLSLCTMFNVMDAKDQ SAK			Carbamidomethyl (C)[6], Oxidation (M)[8]		Mascot

44 Hook homolog 1 [Danio rerio] gi|190339684 83123.4 5.24 1 31 77.95

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
960.4996	960.4747	-0.0249	-26	323	330 LEDLSDLR	31	77.95		2	Mascot

45 PREDICTED: ras association domain-containing protein gi|189537462 49870 4.96 1 27 34.174
10 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
960.4632	960.4747	0.0115	12	184	191 ELDGEIER	27	34.174		3	Mascot

46 PREDICTED: hypothetical protein LOC796277 [Danio rerio] gi|292622807 79431.9 5.54 1 26 16.363

Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. % Modification	Rank Result Type
	1287.7015	1287.6666	-0.0349	-27	638	649 KNNGLLESVAR		26	16.363	2 Mascot
47	novel protein similar to H.sapiens testis-specific kinase [Danio rerio]					gi 220677994	29501.1	6.33	1	22 0

Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. % Modification	Rank Result Type
	960.5546	960.4747	-0.0799	-83	44	52 ITGQVMALK		22	0	4 Mascot
48	disrupted in schizophrenia 1 [Danio rerio]					gi 214010133	112147.1	5.07	1	21 0

Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. % Modification	Rank Result Type
	960.5359	960.4747	-0.0612	-64	933	940 ELTSLER		21	0	5 Mascot
49	PREDICTED: WD repeat- and FYVE domain-containing protein 4 [Danio rerio]					gi 326673033	526148.2	6.32	1	21 0

Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. % Modification	Rank Result Type
	1287.6903	1287.6666	-0.0237	-18	2455	2467 APSVSVVSIESGR		21	0	3 Mascot
50	growth hormone receptor b [Danio rerio]					gi 194399720	62504.7	4.69	1	21 0

Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. % Modification	Rank Result Type
	960.4819	960.4747	-0.0072	-7	447	454 LAMIPDER		21	0 Oxidation (M)[3]	7 Mascot

Gel Idx/Pos	250/K2	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Vtg1 protein [Danio rerio]	gi 63100501	36409.1	9.23	8	421	100	384	100

Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End Sequence		Ion	C. I. % Modification	Rank Result Type

				Seq.	Seq.	Score					
	960.4785	960.47	-0.0085	-9	218	224	LEVEWER	41	97.385		Mascot
	960.4785	960.47	-0.0085	-9	218	224	LEVEWER				Mascot
	984.4243	984.419	-0.0053	-5	190	197	FSWGAECK			Carbamidomethyl (C)[7]	Mascot
	1118.682	1118.675	-0.007	-6	225	234	LPIIVTTYAK				Mascot
	1287.6691	1287.6616	-0.0075	-6	205	217	AEAGVLGEFPAAR				Mascot
	1287.6691	1287.6616	-0.0075	-6	205	217	AEAGVLGEFPAAR	115	100		Mascot
	1327.7216	1327.7388	0.0172	13	260	271	EIELTAALPSQR				Mascot
	1364.6957	1364.6876	-0.0081	-6	239	250	HILTAAYDTGFR				Mascot
	1364.6957	1364.6876	-0.0081	-6	239	250	HILTAAYDTGFR	97	100		Mascot
	1826.9799	1826.9703	-0.0096	-5	143	158	LLGYQLAAYFDKPTAR	133	100		Mascot
	1826.9799	1826.9703	-0.0096	-5	143	158	LLGYQLAAYFDKPTAR				Mascot
	1958.0189	1958.0054	-0.0135	-7	254	271	ATNSEKEIELTAALPSQR				Mascot

2 vitellogenin 1 [Danio rerio] gi|166795887 149452.5 8.68 15 419 100 385 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
960.4785	960.47	-0.0085	-9	1258	1264	LEVEWER	41	97.385		Mascot
960.4785	960.47	-0.0085	-9	1258	1264	LEVEWER				Mascot
984.4243	984.419	-0.0053	-5	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]	Mascot
1088.5405	1088.5405	0	0	415	424	MTASLATHEK				Mascot
1088.5405	1088.5405	0	0	415	424	MTASLATHEK				Mascot
1118.682	1118.675	-0.007	-6	1265	1274	LPIIVTTYAK				Mascot
1287.6691	1287.6616	-0.0075	-6	1245	1257	AEAGVLGEFPAAR				Mascot
1287.6691	1287.6616	-0.0075	-6	1245	1257	AEAGVLGEFPAAR	115	100		Mascot
1327.7216	1327.7388	0.0172	13	1300	1311	EIELTAALPSQR				Mascot
1364.6957	1364.6876	-0.0081	-6	1279	1290	HILTAAYDTGFR				Mascot
1364.6957	1364.6876	-0.0081	-6	1279	1290	HILTAAYDTGFR	97	100		Mascot
1382.7889	1382.7712	-0.0177	-13	303	315	ISDAPAQIVEVLK				Mascot
1638.8485	1638.8528	0.0043	3	668	683	TYLAGAAADVVEFGVR				Mascot
1826.9799	1826.9703	-0.0096	-5	1183	1198	LLGYQLAAYFDKPTAR	133	100		Mascot
1826.9799	1826.9703	-0.0096	-5	1183	1198	LLGYQLAAYFDKPTAR				Mascot
1865.9867	1865.9209	-0.0658	-35	666	683	ARTYLAGAAADVVEFGV R				Mascot
1958.0189	1958.0054	-0.0135	-7	1294	1311	ATNSEKEIELTAALPSQR				Mascot
2233.2009	2233.0735	-0.1274	-57	593	614	SLTRITAPDMAYVAGAA N VAIK				Mascot

	2299.2292	2299.1743	-0.0549	-24	1039	1058	QINIIDDDTPEGQAFLLKL R										Mascot
	3338.6421	3338.7556	0.1135	34	930	961	SIPLVPELSLQNSQASYA GDLSEMSSVASVR						Oxidation (M)[25]				Mascot
3	vitellogenin 1 [Danio rerio]				gi 21391472		127954.2	8.69	12	407	100	385	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.47	-0.0085	-9	1065	1071	LEVEWER	41	97.385			Mascot
960.4785	960.47	-0.0085	-9	1065	1071	LEVEWER					Mascot
984.4243	984.419	-0.0053	-5	1037	1044	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1023.5105	1023.447	-0.0635	-62	4	12	DVGLAYTER					Mascot
1088.5405	1088.5405	0	0	224	233	MTASLATHEK					Mascot
1088.5405	1088.5405	0	0	224	233	MTASLATHEK					Mascot
1118.682	1118.675	-0.007	-6	1072	1081	LPIIVTTYAK					Mascot
1287.6691	1287.6616	-0.0075	-6	1052	1064	AEAGVLGEFPAAR					Mascot
1287.6691	1287.6616	-0.0075	-6	1052	1064	AEAGVLGEFPAAR	115	100			Mascot
1327.7216	1327.7388	0.0172	13	1107	1118	EIELTAALPSQR					Mascot
1364.6957	1364.6876	-0.0081	-6	1086	1097	HILTAAYDTGFR					Mascot
1364.6957	1364.6876	-0.0081	-6	1086	1097	HILTAAYDTGFR	97	100			Mascot
1382.7889	1382.7712	-0.0177	-13	112	124	ISDAPAQIVEVLK					Mascot
1826.9799	1826.9703	-0.0096	-5	990	1005	LLGYQLAAYFDKPTAR	133	100			Mascot
1826.9799	1826.9703	-0.0096	-5	990	1005	LLGYQLAAYFDKPTAR					Mascot
1958.0189	1958.0054	-0.0135	-7	1101	1118	ATNSEKEIELTAALPSQR					Mascot
2299.2292	2299.1743	-0.0549	-24	848	867	QINIIDDDTPEGQAFLLKL R					Mascot

4	Vtg1 protein [Danio rerio]				gi 145337918		116565.5	9.07	11	403	100	385	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.47	-0.0085	-9	964	970	LEVEWER	41	97.385			Mascot
960.4785	960.47	-0.0085	-9	964	970	LEVEWER					Mascot
984.4243	984.419	-0.0053	-5	936	943	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1088.5405	1088.5405	0	0	121	130	MTASLATHEK					Mascot
1088.5405	1088.5405	0	0	121	130	MTASLATHEK					Mascot
1118.682	1118.675	-0.007	-6	971	980	LPIIVTTYAK					Mascot
1287.6691	1287.6616	-0.0075	-6	951	963	AEAGVLGEFPAAR					Mascot

1287.6691	1287.6616	-0.0075	-6	951	963	AEAGVLGEFPAAR	115	100		Mascot
1327.7216	1327.7388	0.0172	13	1006	1017	EIELTAALPSQR				Mascot
1364.6957	1364.6876	-0.0081	-6	985	996	HILTAAYDTGFR				Mascot
1364.6957	1364.6876	-0.0081	-6	985	996	HILTAAYDTGFR	97	100		Mascot
1382.7889	1382.7712	-0.0177	-13	9	21	ISDAPAQIVEVLK				Mascot
1826.9799	1826.9703	-0.0096	-5	889	904	LLGYQLAAYFDKPTAR	133	100		Mascot
1826.9799	1826.9703	-0.0096	-5	889	904	LLGYQLAAYFDKPTAR				Mascot
1958.0189	1958.0054	-0.0135	-7	1000	1017	ATNSEKEIELTAALPSQR				Mascot
2299.2292	2299.1743	-0.0549	-24	745	764	QINIIDDDTPEGQAFLLKL R				Mascot

5 vitellogenin 1 [Danio rerio] gi|94733730 149140.4 8.74 12 402 100 385 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.47	-0.0085	-9	1258	1264	LEVEWER	41	97.385			Mascot
960.4785	960.47	-0.0085	-9	1258	1264	LEVEWER					Mascot
984.4243	984.419	-0.0053	-5	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1023.5105	1023.447	-0.0635	-62	195	203	DVGLAYTER					Mascot
1088.5405	1088.5405	0	0	415	424	MTASLATHEK					Mascot
1088.5405	1088.5405	0	0	415	424	MTASLATHEK					Mascot
1118.682	1118.675	-0.007	-6	1265	1274	LPIIVTTYAK					Mascot
1287.6691	1287.6616	-0.0075	-6	1245	1257	AEAGVLGEFPAAR					Mascot
1287.6691	1287.6616	-0.0075	-6	1245	1257	AEAGVLGEFPAAR	115	100			Mascot
1327.7216	1327.7388	0.0172	13	1300	1311	EIELTAALPSQR					Mascot
1364.6957	1364.6876	-0.0081	-6	1279	1290	HILTAAYDTGFR					Mascot
1364.6957	1364.6876	-0.0081	-6	1279	1290	HILTAAYDTGFR	97	100			Mascot
1382.7889	1382.7712	-0.0177	-13	303	315	ISDAPAQIVEVLK					Mascot
1826.9799	1826.9703	-0.0096	-5	1183	1198	LLGYQLAAYFDKPTAR	133	100			Mascot
1826.9799	1826.9703	-0.0096	-5	1183	1198	LLGYQLAAYFDKPTAR					Mascot
1958.0189	1958.0054	-0.0135	-7	1294	1311	ATNSEKEIELTAALPSQR					Mascot
2299.2292	2299.1743	-0.0549	-24	1039	1058	QINIIDDDTPEGQAFLLKL R					Mascot

6 25 kDa heat shock protein [Danio rerio] gi|56554759 22360 6.52 10 395 100 318 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
897.4651	897.4584	-0.0067	-7	6	12	IPFSFMR					Mascot

	911.4006	911.3931	-0.0075	-8	21	27	DWYQGSR	33	85.663					Mascot
	911.4006	911.3931	-0.0075	-8	21	27	DWYQGSR							Mascot
	913.46	913.4514	-0.0086	-9	6	12	IPFSFMR			Oxidation (M)[6]				Mascot
	960.4533	960.47	0.0167	17	136	143	DEHGFISR							Mascot
	960.4533	960.47	0.0167	17	136	143	DEHGFISR							Mascot
	991.4631	991.4547	-0.0084	-8	13	20	SPSWDPFR	53	99.837					Mascot
	991.4631	991.4547	-0.0084	-8	13	20	SPSWDPFR							Mascot
	1069.5612	1069.5527	-0.0085	-8	5	12	RIPFSFMR			Oxidation (M)[7]				Mascot
	1088.5483	1088.5405	-0.0078	-7	135	143	KDEHGFISR	69	99.996					Mascot
	1088.5483	1088.5405	-0.0078	-7	135	143	KDEHGFISR							Mascot
	1333.6998	1333.6947	-0.0051	-4	148	159	KYTLP PGVDSEK							Mascot
	1840.944	1840.9342	-0.0098	-5	104	119	ISLDVNHFSPEELNVK	108	100					Mascot
	1840.944	1840.9342	-0.0098	-5	104	119	ISLDVNHFSPEELNVK							Mascot
	1883.8459	1883.8339	-0.012	-6	13	27	SPSWDPFRDWYQGSR							Mascot
	1883.8459	1883.8339	-0.012	-6	13	27	SPSWDPFRDWYQGSR	57	99.934					Mascot
	3467.8818	3467.9175	0.0357	10	160	192	ISSCLSPEGVLTVEAPLP KPAIQAPEVNIPV NK			Carbamidomethyl (C)[4]				Mascot
7	vitellogenin 7 [Danio rerio]				gi 57864789		24318.7	8.37	6	322	100	289	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
960.4785	960.47	-0.0085	-9	113	119	LEVEWER	41	97.385				Mascot
960.4785	960.47	-0.0085	-9	113	119	LEVEWER						Mascot
984.4243	984.419	-0.0053	-5	85	92	FSWGAECK			Carbamidomethyl (C)[7]			Mascot
1118.682	1118.675	-0.007	-6	120	129	LPIIVTTYAK						Mascot
1287.6691	1287.6616	-0.0075	-6	100	112	AEAGVLGEFPAAR						Mascot
1287.6691	1287.6616	-0.0075	-6	100	112	AEAGVLGEFPAAR	115	100				Mascot
1826.9799	1826.9703	-0.0096	-5	38	53	LLGYQLAAYFDKPTAR	133	100				Mascot
1826.9799	1826.9703	-0.0096	-5	38	53	LLGYQLAAYFDKPTAR						Mascot
3337.7539	3337.7432	-0.0107	-3	38	67	LLGYQLAAYFDKPTARVQ LIASSIAENDNR						Mascot

8	vitellogenin 7 [Danio rerio]				gi 156713467		148739.2	8.76	7	298	100	289	100	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
960.4785	960.47	-0.0085	-9	1254	1260	LEVEWER	41	97.385				Mascot

	960.4785	960.47	-0.0085	-9	1254	1260	LEVEWER									Mascot
	984.4243	984.419	-0.0053	-5	1226	1233	FSWGAECK					Carbamidomethyl (C)[7]				Mascot
	1118.682	1118.675	-0.007	-6	1261	1270	LPIIVTTYAK									Mascot
	1287.6691	1287.6616	-0.0075	-6	1241	1253	AEAGVLGEFPAAR									Mascot
	1287.6691	1287.6616	-0.0075	-6	1241	1253	AEAGVLGEFPAAR		115	100						Mascot
	1333.7145	1333.6947	-0.0198	-15	828	838	LESMTLDQLKR									Mascot
	1826.9799	1826.9703	-0.0096	-5	1179	1194	LLGYQLAAYFDKPTAR		133	100						Mascot
	1826.9799	1826.9703	-0.0096	-5	1179	1194	LLGYQLAAYFDKPTAR									Mascot
	3337.7539	3337.7432	-0.0107	-3	1179	1208	LLGYQLAAYFDKPTARVQ LIASSIAENDNR									Mascot
9	heat shock protein 25 [Danio rerio]				gi 52078122		22344.1	6.52	10	287	100	210	100			

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
897.4651	897.4584	-0.0067	-7	6	12	IPFSFMR					Mascot
911.4006	911.3931	-0.0075	-8	21	27	DWYQGSR	33	85.663			Mascot
911.4006	911.3931	-0.0075	-8	21	27	DWYQGSR					Mascot
913.46	913.4514	-0.0086	-9	6	12	IPFSFMR			Oxidation (M)[6]		Mascot
960.4533	960.47	0.0167	17	136	143	DEHGFISR					Mascot
960.4533	960.47	0.0167	17	136	143	DEHGFISR					Mascot
1069.5612	1069.5527	-0.0085	-8	5	12	RIPFSFMR			Oxidation (M)[7]		Mascot
1088.5483	1088.5405	-0.0078	-7	135	143	KDEHGFISR	69	99.996			Mascot
1088.5483	1088.5405	-0.0078	-7	135	143	KDEHGFISR					Mascot
1333.6998	1333.6947	-0.0051	-4	148	159	KYTLPPGVDSEK					Mascot
1840.944	1840.9342	-0.0098	-5	104	119	ISLDVNHFSPEELNVK	108	100			Mascot
1840.944	1840.9342	-0.0098	-5	104	119	ISLDVNHFSPEELNVK					Mascot
1883.8804	1883.8339	-0.0465	-25	87	103	QLSSGMSEVKQTGDSW K			Oxidation (M)[6]		Mascot
1883.9261	1883.8339	-0.0922	-49	6	20	IPFSFMRTPSWDPFR					Mascot
1899.921	1899.8328	-0.0882	-46	6	20	IPFSFMRTPSWDPFR			Oxidation (M)[6]		Mascot
3467.8818	3467.9175	0.0357	10	160	192	ISSCLSPEGVLTVEAPLP KPAIQAPEVNIPVVK			Carbamidomethyl (C)[4]		Mascot

10	vitellogenin 6 [Danio rerio]				gi 57864787		38968.8	8.92	6	196	100	174	100			
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Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.47	-0.0085	-9	255	261	LEVEWER	41	97.385			Mascot
960.4785	960.47	-0.0085	-9	255	261	LEVEWER					Mascot

984.4243	984.419	-0.0053	-5	227	234	FSWGAECK				Carbamidomethyl (C)[7]	Mascot
1327.7216	1327.7388	0.0172	13	297	308	EIELTAALPSQR					Mascot
1826.9799	1826.9703	-0.0096	-5	180	195	LLGYQLAAYFDKPTAR	133	100			Mascot
1826.9799	1826.9703	-0.0096	-5	180	195	LLGYQLAAYFDKPTAR					Mascot
1958.0189	1958.0054	-0.0135	-7	291	308	ATNSEKEIELTAALPSQR					Mascot
2299.2292	2299.1743	-0.0549	-24	31	50	QINIIDDDTPEGQAFLLKL R					Mascot

11 Zgc:136383 [Danio rerio] gi|92097636 28809.9 9.33 5 190 100 174 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
960.4785	960.47	-0.0085	-9	156	162	LEVEWER	41	97.385		Mascot
960.4785	960.47	-0.0085	-9	156	162	LEVEWER				Mascot
984.4243	984.419	-0.0053	-5	128	135	FSWGAECK		Carbamidomethyl (C)[7]		Mascot
1045.5465	1045.5554	0.0089	9	246	253	DFLSWIHK				Mascot
1118.5986	1118.675	0.0764	68	217	225	IPEITMSRR		Oxidation (M)[6]		Mascot
1826.9799	1826.9703	-0.0096	-5	81	96	LLGYQLAAYFDKPTAR	133	100		Mascot
1826.9799	1826.9703	-0.0096	-5	81	96	LLGYQLAAYFDKPTAR				Mascot

12 vitellogenin 6 [Danio rerio] gi|303227889 150936.1 8.84 11 188 100 174 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
864.4461	864.4876	0.0415	48	98	105	DSFVPATK				Mascot
960.4785	960.47	-0.0085	-9	1276	1282	LEVEWER	41	97.385		Mascot
960.4785	960.47	-0.0085	-9	1276	1282	LEVEWER				Mascot
984.4243	984.419	-0.0053	-5	1248	1255	FSWGAECK		Carbamidomethyl (C)[7]		Mascot
1023.5105	1023.447	-0.0635	-62	206	214	DVGLAYTER				Mascot
1327.7216	1327.7388	0.0172	13	1318	1329	EIELTAALPSQR				Mascot
1638.8485	1638.8528	0.0043	3	679	694	TYLAGAAADVVEFGVR				Mascot
1826.9799	1826.9703	-0.0096	-5	1201	1216	LLGYQLAAYFDKPTAR	133	100		Mascot
1826.9799	1826.9703	-0.0096	-5	1201	1216	LLGYQLAAYFDKPTAR				Mascot
1865.9867	1865.9209	-0.0658	-35	677	694	ARTYLAGAAADVVEFGV R				Mascot
1958.0189	1958.0054	-0.0135	-7	1312	1329	ATNSEKEIELTAALPSQR				Mascot
2233.2009	2233.0735	-0.1274	-57	604	625	SLTRITAPDMAYVAGAAN VAIK				Mascot
2299.2292	2299.1743	-0.0549	-24	1050	1069	QINIIDDDTPEGQAFLLKL R				Mascot

13 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733734 149808.5 8.83 11 187 100 174 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4461	864.4876	0.0415	48	91	98	DSFVPATK					Mascot
960.4785	960.47	-0.0085	-9	1265	1271	LEVEWER	41	97.385			Mascot
960.4785	960.47	-0.0085	-9	1265	1271	LEVEWER					Mascot
984.4243	984.419	-0.0053	-5	1237	1244	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1023.5105	1023.447	-0.0635	-62	199	207	DVGLAYTER					Mascot
1327.7216	1327.7388	0.0172	13	1307	1318	EIELTAALPSQR					Mascot
1638.8485	1638.8528	0.0043	3	672	687	TYLAGAAADVVEFGVR					Mascot
1826.9799	1826.9703	-0.0096	-5	1190	1205	LLGYQLAAYFDKPTAR	133	100			Mascot
1826.9799	1826.9703	-0.0096	-5	1190	1205	LLGYQLAAYFDKPTAR					Mascot
1865.9867	1865.9209	-0.0658	-35	670	687	ARTYLAGAAADVVEFGV R					Mascot
1958.0189	1958.0054	-0.0135	-7	1301	1318	ATNSEKEIELTAALPSQR					Mascot
2233.2009	2233.0735	-0.1274	-57	597	618	SLTRITAPDMAYVAGAAN VAIK					Mascot
2299.2292	2299.1743	-0.0549	-24	1043	1062	QINIIDDDTPEGQAFLLKL R					Mascot

14 Vtg5 protein [Danio rerio] gi|148744685 27543.3 9.2 4 185 100 174 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4722	807.3793	-0.0929	-115	198	204	SLTFIAR					Mascot
960.4785	960.47	-0.0085	-9	144	150	LEVEWER	41	97.385			Mascot
960.4785	960.47	-0.0085	-9	144	150	LEVEWER					Mascot
984.4243	984.419	-0.0053	-5	116	123	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1826.9799	1826.9703	-0.0096	-5	69	84	LLGYQLAAYFDKPTAR	133	100			Mascot
1826.9799	1826.9703	-0.0096	-5	69	84	LLGYQLAAYFDKPTAR					Mascot

15 vitellogenin 5 [Danio rerio] gi|57864785 72820.8 9 5 183 100 174 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.47	-0.0085	-9	564	570	LEVEWER	41	97.385			Mascot
960.4785	960.47	-0.0085	-9	564	570	LEVEWER					Mascot
984.4243	984.419	-0.0053	-5	536	543	FSWGAECK			Carbamidomethyl (C)[7]		Mascot

	1069.5021	1069.5527	0.0506	47	230	238	NIENHSAER										Mascot
	1826.9799	1826.9703	-0.0096	-5	489	504	LLGYQLAAYFDKPTAR	133	100								Mascot
	1826.9799	1826.9703	-0.0096	-5	489	504	LLGYQLAAYFDKPTAR										Mascot
	2299.2292	2299.1743	-0.0549	-24	348	367	QINIIDDDTPEGQAFLLKL R										Mascot
16	vitellogenin 4 [Danio rerio]				gi 57864783		31189.9	9.48	4	183	100	174	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
960.4785	960.47	-0.0085	-9	182	188	LEVEWER	41	97.385				Mascot
960.4785	960.47	-0.0085	-9	182	188	LEVEWER						Mascot
984.4243	984.419	-0.0053	-5	154	161	FSWGAECK			Carbamidomethyl (C)[7]			Mascot
1118.5986	1118.675	0.0764	68	243	251	IPEITMSRR			Oxidation (M)[6]			Mascot
1826.9799	1826.9703	-0.0096	-5	107	122	LLGYQLAAYFDKPTAR	133	100				Mascot
1826.9799	1826.9703	-0.0096	-5	107	122	LLGYQLAAYFDKPTAR						Mascot

17	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]				gi 94733731		149169.2	8.84	7	182	100	174	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
960.4785	960.47	-0.0085	-9	1260	1266	LEVEWER	41	97.385				Mascot
960.4785	960.47	-0.0085	-9	1260	1266	LEVEWER						Mascot
984.4243	984.419	-0.0053	-5	1232	1239	FSWGAECK			Carbamidomethyl (C)[7]			Mascot
1023.5105	1023.447	-0.0635	-62	199	207	DVGLAYTER						Mascot
1826.9799	1826.9703	-0.0096	-5	1185	1200	LLGYQLAAYFDKPTAR	133	100				Mascot
1826.9799	1826.9703	-0.0096	-5	1185	1200	LLGYQLAAYFDKPTAR						Mascot
1840.8938	1840.9342	0.0404	22	76	90	LMDPLLYEYAGTWPR			Oxidation (M)[2]			Mascot
1840.8938	1840.9342	0.0404	22	76	90	LMDPLLYEYAGTWPR			Oxidation (M)[2]			Mascot
2299.2292	2299.1743	-0.0549	-24	1043	1062	QINIIDDDTPEGQAFLLKL R						Mascot
2362.1926	2362.1738	-0.0188	-8	601	623	ITAPDMASVAGAAANVAIK LMNCK			Carbamidomethyl (C)[22], Oxidation (M)[6]			Mascot

18	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]				gi 94733733		149143.4	8.92	10	181	100	174	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
864.4461	864.4876	0.0415	48	91	98	DSFVPATK						Mascot

960.4785	960.47	-0.0085	-9	1260	1266	LEVEWER	41	97.385					Mascot
960.4785	960.47	-0.0085	-9	1260	1266	LEVEWER							Mascot
984.4243	984.419	-0.0053	-5	1232	1239	FSWGAECK			Carbamidomethyl (C)[7]				Mascot
1023.5105	1023.447	-0.0635	-62	199	207	DVGLAYTER							Mascot
1045.5465	1045.5554	0.0089	9	1350	1357	DFLSWIHK							Mascot
1118.5986	1118.675	0.0764	68	1321	1329	IPEITMSRR			Oxidation (M)[6]				Mascot
1382.7889	1382.7712	-0.0177	-13	307	319	ISDAPAQIVEVLK							Mascot
1826.9799	1826.9703	-0.0096	-5	1185	1200	LLGYQLAAYFDKPTAR	133	100					Mascot
1826.9799	1826.9703	-0.0096	-5	1185	1200	LLGYQLAAYFDKPTAR							Mascot
2233.2009	2233.0735	-0.1274	-57	597	618	SLTRITAPDMAYVAGAAN VAIK							Mascot
2299.2292	2299.1743	-0.0549	-24	1043	1062	QINIIDDDTPEGQAFLLKL R							Mascot

19

hypothetical protein LOC678536 [Danio rerio]

gi|160420306

148750.2

8.89

10

180

100

174

100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4461	864.4876	0.0415	48	87	94	DSFVPATK					Mascot
960.4785	960.47	-0.0085	-9	1256	1262	LEVEWER	41	97.385			Mascot
960.4785	960.47	-0.0085	-9	1256	1262	LEVEWER					Mascot
984.4243	984.419	-0.0053	-5	1228	1235	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1023.5105	1023.447	-0.0635	-62	195	203	DVGLAYTER					Mascot
1045.5465	1045.5554	0.0089	9	1346	1353	DFLSWIHK					Mascot
1118.5986	1118.675	0.0764	68	1317	1325	IPEITMSRR			Oxidation (M)[6]		Mascot
1382.7889	1382.7712	-0.0177	-13	303	315	ISDAPAQIVEVLK					Mascot
1826.9799	1826.9703	-0.0096	-5	1181	1196	LLGYQLAAYFDKPTAR	133	100			Mascot
1826.9799	1826.9703	-0.0096	-5	1181	1196	LLGYQLAAYFDKPTAR					Mascot
2233.2009	2233.0735	-0.1274	-57	593	614	SLTRITAPDMAYVAGAAN VAIK					Mascot
2299.2292	2299.1743	-0.0549	-24	1039	1058	QINIIDDDTPEGQAFLLKL R					Mascot

20

Zgc:136383 protein [Danio rerio]

gi|159155252

123957.1

8.78

8

180

100

174

100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.47	-0.0085	-9	1033	1039	LEVEWER	41	97.385			Mascot
960.4785	960.47	-0.0085	-9	1033	1039	LEVEWER					Mascot
984.4243	984.419	-0.0053	-5	1005	1012	FSWGAECK			Carbamidomethyl (C)[7]		Mascot

	1045.5465	1045.5554	0.0089	9	1123	1130	DFLSWIHK										Mascot
	1118.5986	1118.675	0.0764	68	1094	1102	IPEITMSRR									Oxidation (M)[6]	Mascot
	1382.7889	1382.7712	-0.0177	-13	80	92	ISDAPAQIVEVLK										Mascot
	1826.9799	1826.9703	-0.0096	-5	958	973	LLGYQLAAYFDKPTAR		133	100							Mascot
	1826.9799	1826.9703	-0.0096	-5	958	973	LLGYQLAAYFDKPTAR										Mascot
	2233.2009	2233.0735	-0.1274	-57	370	391	SLTRITAPDMAYVAGAAN VAIK										Mascot
	2299.2292	2299.1743	-0.0549	-24	816	835	QINIIDDDTPEGQAFLKL R										Mascot
21	Vtg6 protein [Danio rerio]				gi 157422885		27937.4	9.18	5	57	91.714	41	97.385				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
913.423	913.4514	0.0284	31	1	8	MSSSRMSK					Mascot
960.4785	960.47	-0.0085	-9	149	155	LEVEWER	41	97.385			Mascot
960.4785	960.47	-0.0085	-9	149	155	LEVEWER					Mascot
984.4243	984.419	-0.0053	-5	121	128	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1327.7216	1327.7388	0.0172	13	191	202	EIELTAALPSQR					Mascot
1958.0189	1958.0054	-0.0135	-7	185	202	ATNSEKEIELTAALPSQR					Mascot

22	PREDICTED: hypothetical protein LOC100538307 [Danio rerio]				gi 326667461		234046	8.95	27	55	85.928						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4722	807.3793	-0.0929	-115	572	578	AFTNKVK					Mascot
850.4205	850.5349	0.1144	135	201	207	AEFAWAR					Mascot
864.4131	864.4876	0.0745	86	1	8	MAEEALGK			Oxidation (M)[1]		Mascot
991.4439	991.4547	0.0108	11	1568	1575	DQDSNERK					Mascot
991.4876	991.4547	-0.0329	-33	93	101	KAVEECNAK					Mascot
996.5624	996.5899	0.0275	28	173	180	WIPAPERK					Mascot
1013.4944	1013.4352	-0.0592	-58	1365	1372	HGRMEVER					Mascot
1023.4934	1023.447	-0.0464	-45	816	822	EFIDWWK					Mascot
1088.5483	1088.5405	-0.0078	-7	259	266	RDWENLQK					Mascot
1088.5483	1088.5405	-0.0078	-7	259	266	RDWENLQK					Mascot
1118.6567	1118.675	0.0183	16	1004	1014	GVFAALGDIKK					Mascot
1165.5887	1165.7374	0.1487	128	1450	1458	YSVEEWPKK					Mascot
1211.6266	1211.7084	0.0818	68	1132	1142	NEVVDPSQVPK					Mascot

1287.6903	1287.6616	-0.0287	-22	278	288	KIQLVDSVDDR		Mascot
1287.6903	1287.6616	-0.0287	-22	278	288	KIQLVDSVDDR		Mascot
1320.653	1320.5724	-0.0806	-61	1819	1830	LETSELEAEATK		Mascot
1325.7113	1325.7494	0.0381	29	1284	1294	FHRSLTPPGWK		Mascot
1325.7113	1325.7494	0.0381	29	1284	1294	FHRSLTPPGWK		Mascot
1364.6475	1364.6876	0.0401	29	189	199	LKECSNELESR	Carbamidomethyl (C)[4]	Mascot
1364.7307	1364.6876	-0.0431	-32	38	48	LIESELKEEFK		Mascot
1382.5927	1382.7712	0.1785	129	447	460	DSTEAGCIVCGAEK		Mascot
1493.8984	1493.723	-0.1754	-117	644	657	ITLVVHGVGKMAIR		Mascot
1823.9272	1823.9175	-0.0097	-5	1815	1830	FLDKLETSELEAEATK		Mascot
1827.0334	1826.9703	-0.0631	-35	1143	1158	ESISQSKTIILPNQLR		Mascot
1827.0334	1826.9703	-0.0631	-35	1143	1158	ESISQSKTIILPNQLR		Mascot
1838.783	1838.9	0.117	64	839	855	CGNCQPGGKEMTLAEER	Oxidation (M)[11]	Mascot
1840.9525	1840.9342	-0.0183	-10	1839	1856	IHPASSPHRNGAAEAAVR		Mascot
1840.9525	1840.9342	-0.0183	-10	1839	1856	IHPASSPHRNGAAEAAVR		Mascot
1997.1074	1997.0564	-0.051	-26	1643	1660	IAPVILPCSAWVSMLLAR	Carbamidomethyl (C)[8]	Mascot
2211.0215	2211.0981	0.0766	35	816	833	EFIDWWKWDSIGTACEP K		Mascot
2299.1758	2299.1743	-0.0015	-1	1049	1069	VNIGDRPAGCIAQLAMRE TAR	Carbamidomethyl (C)[10]	Mascot
2300.1956	2300.1643	-0.0313	-14	671	691	TPEGTVKAHQLICYGLEEI AK		Mascot

23

PREDICTED: hypothetical protein LOC100538192 [Danio rerio]

gi|326664724

234026

9.01

26

48

37.141

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.4722	807.3793	-0.0929	-115	572	578	AFTNKVK					Mascot
850.4205	850.5349	0.1144	135	201	207	AEFAWAR					Mascot
864.4131	864.4876	0.0745	86	1	8	MAEEALGK			Oxidation (M)[1]		Mascot
991.4439	991.4547	0.0108	11	1568	1575	DQDSNERK					Mascot
991.4876	991.4547	-0.0329	-33	93	101	KAVEECNAK					Mascot
996.5624	996.5899	0.0275	28	173	180	WIPAPERK					Mascot
1013.4944	1013.4352	-0.0592	-58	1365	1372	HGRMEVER					Mascot
1023.4934	1023.447	-0.0464	-45	816	822	EFIDWWK					Mascot
1088.5483	1088.5405	-0.0078	-7	259	266	RDWENLQK					Mascot
1088.5483	1088.5405	-0.0078	-7	259	266	RDWENLQK					Mascot
1118.6567	1118.675	0.0183	16	1004	1014	GVFAALGDIKK					Mascot
1165.5887	1165.7374	0.1487	128	1450	1458	YSVEEWPKK					Mascot

	1211.6266	1211.7084	0.0818	68	1132	1142	NEVVDPSQVPK										Mascot
	1287.6903	1287.6616	-0.0287	-22	278	288	KIQLVDSVDDR										Mascot
	1287.6903	1287.6616	-0.0287	-22	278	288	KIQLVDSVDDR										Mascot
	1320.653	1320.5724	-0.0806	-61	1819	1830	LETSELEAEATK										Mascot
	1325.7113	1325.7494	0.0381	29	1284	1294	FHRSLTPPGWK										Mascot
	1325.7113	1325.7494	0.0381	29	1284	1294	FHRSLTPPGWK										Mascot
	1364.6475	1364.6876	0.0401	29	189	199	LKECSNELESR					Carbamidomethyl (C)[4]					Mascot
	1364.7307	1364.6876	-0.0431	-32	38	48	LIESELKEEFK										Mascot
	1382.5927	1382.7712	0.1785	129	447	460	DSTEAGCIVCGAEK										Mascot
	1493.8984	1493.723	-0.1754	-117	644	657	ITLVVHGVGKMAIR										Mascot
	1823.9272	1823.9175	-0.0097	-5	1815	1830	FLDKLETSELEAEATK										Mascot
	1840.9525	1840.9342	-0.0183	-10	1839	1856	IHPASSPHRNGAAEAAVR										Mascot
	1840.9525	1840.9342	-0.0183	-10	1839	1856	IHPASSPHRNGAAEAAVR										Mascot
	1997.1074	1997.0564	-0.051	-26	1643	1660	IAPILPCSAWVSMILLAR					Carbamidomethyl (C)[8]					Mascot
	2211.0215	2211.0981	0.0766	35	816	833	EFIDWWKWDSIGTACEP K										Mascot
	2247.1074	2247.0872	-0.0202	-9	1900	1919	EDCVEYVNPNSLLGRS GPK					Carbamidomethyl (C)[3]					Mascot
	2299.1758	2299.1743	-0.0015	-1	1049	1069	VNIGDRPAGCIAQLAMRE TAR					Carbamidomethyl (C)[10]					Mascot
	2300.1956	2300.1643	-0.0313	-14	671	691	TPEGTVKAHQLICYGLEEI AK										Mascot
24	iron-sulfur cluster assembly enzyme [Danio rerio]				gi 54261801		17796.2	8.7	7	47	19.022						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
913.4447	913.4514	0.0067	7	10	18	CASSALFSK						Mascot
960.5083	960.47	-0.0383	-40	1	9	MALAAAAWR						Mascot
960.5359	960.47	-0.0659	-69	107	115	GKSIDEALK	10		0			Mascot
1045.5636	1045.5554	-0.0082	-8	44	53	NVGSLDKNAK						Mascot
1862.9252	1862.9155	-0.0097	-5	19	34	SMSLPPELRPACSYHKK				Oxidation (M)[2]		Mascot
2247.1113	2247.0872	-0.0241	-11	86	106	FKTFGCGSAIASSSLATE WVK				Carbamidomethyl (C)[6]		Mascot
2283.1545	2283.1677	0.0132	6	124	143	ELCLPPVKLHCSMLAEDA IK				Carbamidomethyl (C)[3], Oxidation (M)[13]		Mascot

25 PREDICTED: serine/threonine-protein kinase pim-3-like [Danio rerio] gi|326675215 23705.1 8.34 4 47 4.859 31 74.031

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
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991.4843	991.4547	-0.0296	-30	120	127	LQEGEPYR							Mascot
991.4843	991.4547	-0.0296	-30	120	127	LQEGEPYR							Mascot
1211.6531	1211.7084	0.0553	46	110	119	SPYLGVTRYR							Mascot
1287.7015	1287.6616	-0.0399	-31	44	55	KNNGLLSESVAR							Mascot
1287.7015	1287.6616	-0.0399	-31	44	55	KNNGLLSESVAR			31	74.031			Mascot
1364.7419	1364.6876	-0.0543	-40	184	195	TGPVLEEIIHK							Mascot
1364.7419	1364.6876	-0.0543	-40	184	195	TGPVLEEIIHK							Mascot

26 novel protein similar to vertebrate leucine-zipper-like transcription regulator 1 (LZTR1) [Danio re
gi|169145720 88951.8 5.93 13 47 4.859

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4893	850.5349	0.0456	54	571	577	KQPPPPR					Mascot
897.3956	897.4584	0.0628	70	1	8	FPGAMSK			Carbamidomethyl (C)[7]		Mascot
913.3906	913.4514	0.0608	67	1	8	FPGAMSK			Carbamidomethyl (C)[7], Oxidation (M)[5]		Mascot
991.5432	991.4547	-0.0885	-89	261	269	GSPPPPQRR					Mascot
991.5432	991.4547	-0.0885	-89	261	269	GSPPPPQRR					Mascot
1013.3914	1013.4352	0.0438	43	771	779	QCTEMSSDI					Mascot
1088.5557	1088.5405	-0.0152	-14	535	543	EHCLNFVVK	2	0			Mascot
1088.5557	1088.5405	-0.0152	-14	535	543	EHCLNFVVK					Mascot
1333.6569	1333.6947	0.0378	28	544	554	ESHFNQVIMTK					Mascot
1382.6852	1382.7712	0.086	62	173	184	LWIFAGYDGNAR					Mascot
1475.7939	1475.7458	-0.0481	-33	730	741	HCLHIIVHQFTK					Mascot
1493.7781	1493.723	-0.0551	-37	77	88	NMLNDLLRFDVK			Oxidation (M)[2]		Mascot
1865.8422	1865.9209	0.0787	42	89	105	DCSWCRAFTTGTTPAPR					Mascot
2211.0652	2211.0981	0.0329	15	369	385	LWENRQFCDFEFILGER			Carbamidomethyl (C)[8]		Mascot
2225.1018	2225.1101	0.0083	4	65	84	DAIYVFGDNGKNMLND LLR					Mascot
3467.8369	3467.9175	0.0806	23	596	627	AYLEGAGHEFCDIILLD G HPRPAHKAILAAR					Mascot

27 ATPase, Ca++ transporting, cardiac muscle, fast twitch 1 like [Danio rerio]
gi|117606266 108861.1 5.05 16 46 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
911.4944	911.3931	-0.1013	-111	676	683	VEPSHKSK					Mascot
911.4944	911.3931	-0.1013	-111	676	683	VEPSHKSK					Mascot

913.4737	913.4514	-0.0223	-24	513	521	GAPEGVIDR						Mascot
960.5546	960.47	-0.0846	-88	540	547	DKIMNVIK						Mascot
960.5546	960.47	-0.0846	-88	540	547	DKIMNVIK						Mascot
1013.505	1013.4352	-0.0698	-69	482	489	NFTLEFSR						Mascot
1023.4993	1023.447	-0.0523	-51	389	397	YTPEGEVTK						Mascot
1045.5524	1045.5554	0.003	3	111	120	NAESAIEALK						Mascot
1165.5735	1165.7374	0.1639	141	253	262	LDEFGEQLSK						Mascot
1234.646	1234.6725	0.0265	21	602	612	KEVTGSIELCR						Mascot
1287.709	1287.6616	-0.0474	-37	558	569	CLALATRDSPLK						Mascot
1287.709	1287.6616	-0.0474	-37	558	569	CLALATRDSPLK						Mascot
1364.7361	1364.6876	-0.0485	-36	823	833	EPLISGWLFFR						Mascot
1364.7361	1364.6876	-0.0485	-36	823	833	EPLISGWLFFR						Mascot
1434.741	1434.7517	0.0107	7	509	521	MFVKGAPEGVIDR			Oxidation (M)[1]			Mascot
1838.8875	1838.9	0.0125	7	335	352	SLPSVETLGCTSVICSDK						Mascot
1957.9501	1958.0054	0.0553	28	636	653	IGIFSEDEDVTGKAYTGR						Mascot
2299.113	2299.1743	0.0613	27	437	456	VGEATETALCLVEKMN VFK			Carbamidomethyl (C)[10,11]			Mascot
2362.073	2362.1738	0.1008	43	581	601	FADYETDLTFVGCVGML DPPR			Oxidation (M)[16]			Mascot
3467.5649	3467.9175	0.3526	102	402	432	VDCSQYDGLVELATICAL CNDSSLDYNETKK			Carbamidomethyl (C)[3]			Mascot

28 PREDICTED: hypothetical protein LOC100007481 gi|326664865 157182.2 8.05 17 46 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4607	864.4876	0.0269	31	883	889	VSVKEMR			Oxidation (M)[6]		Mascot
882.4719	882.5576	0.0857	97	684	690	QFAEFLK					Mascot
943.4843	943.3997	-0.0846	-90	178	185	TKDDIHSK					Mascot
960.4824	960.47	-0.0124	-13	569	576	AVEGFFYK					Mascot
960.4996	960.47	-0.0296	-31	1271	1278	DIVTVEER	12	0			Mascot
984.4454	984.419	-0.0264	-27	290	297	VFSEEMAR			Oxidation (M)[6]		Mascot
991.5458	991.4547	-0.0911	-92	710	717	VPDEKYLK					Mascot
991.5458	991.4547	-0.0911	-92	710	717	VPDEKYLK					Mascot
1045.5173	1045.5554	0.0381	36	874	882	QGSQSFVHR					Mascot
1088.5272	1088.5405	0.0133	12	282	289	QFWLSHDR					Mascot
1088.5272	1088.5405	0.0133	12	282	289	QFWLSHDR					Mascot
1118.551	1118.675	0.124	111	206	215	CEDGLQVAVK			Carbamidomethyl (C)[1]		Mascot
1234.7155	1234.6725	-0.043	-35	919	928	LIRYLSDNIK					Mascot

1475.7682	1475.7458	-0.0224	-15	931	942	EYGHFQLPLPFK						Mascot
1489.7072	1489.8271	0.1199	80	1078	1089	EVHCCLVMAKAR				Carbamidomethyl (C)[4,5], Oxidation (M)[8]		Mascot
1545.6783	1545.7278	0.0495	32	191	205	KMGQGCGCSVYEGTR				Oxidation (M)[2]		Mascot
1865.9691	1865.9209	-0.0482	-26	857	873	TALGWSIIGLCNPHLDR						Mascot
1883.8853	1883.8339	-0.0514	-27	267	281	YIMVLEWPSPCINMR				Oxidation (M)[3,14]		Mascot
1883.8853	1883.8339	-0.0514	-27	267	281	YIMVLEWPSPCINMR				Oxidation (M)[3,14]		Mascot
2299.1062	2299.1743	0.0681	30	665	683	WNRIVVEELDMTGDYPS FK						Mascot

29 PREDICTED: g2/M phase-specific E3 ubiquitin-protein
ligase-like, partial [Danio rerio] gi|326680912 55309.6 5.35 11 46 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4511	807.3793	-0.0718	-89	465	470	ILGYWR					Mascot
984.4818	984.419	-0.0628	-64	40	47	IYIGSMER			Oxidation (M)[6]		Mascot
1045.4845	1045.5554	0.0709	68	480	488	GLNIIFYCC					Mascot
1088.5735	1088.5405	-0.033	-30	105	114	NIPGTNTPFK					Mascot
1088.5735	1088.5405	-0.033	-30	105	114	NIPGTNTPFK					Mascot
1320.5447	1320.5724	0.0277	21	2	12	TETSSVDCFMK			Carbamidomethyl (C)[8], Oxidation (M)[10]		Mascot
1325.6843	1325.7494	0.0651	49	259	269	EFLTLLMDCLK					Mascot
1325.6843	1325.7494	0.0651	49	259	269	EFLTLLMDCLK					Mascot
1333.7012	1333.6947	-0.0065	-5	215	226	ANIWDGAVRGFK					Mascot
1382.7058	1382.7712	0.0654	47	259	269	EFLTLLMDCLK			Carbamidomethyl (C)[9]		Mascot
1840.7719	1840.9342	0.1623	88	240	257	FTDDEGSTEDAVDTGGP K					Mascot
1840.7719	1840.9342	0.1623	88	240	257	FTDDEGSTEDAVDTGGP K					Mascot
1996.873	1997.0564	0.1834	92	240	258	FTDDEGSTEDAVDTGGP KR					Mascot
2233.1035	2233.0735	-0.03	-13	282	300	FLTFNNAVREDEYFLAG R					Mascot
2283.2344	2283.1677	-0.0667	-29	59	78	RLPLEVETNWTSEQVLIA GK					Mascot

30 PREDICTED: e3 ubiquitin-protein ligase BRE1A [Danio rerio] gi|189527718 115551 5.66 15 45 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.5034	-0.0172	-20	61	67	ALQIKNR					Mascot
960.4744	960.47	-0.0044	-5	720	726	ELEERER	15		0		Mascot

	960.4744	960.47	-0.0044	-5	720	726	ELEERER								Mascot
	984.4818	984.419	-0.0628	-64	460	466	KEYEMLR					Oxidation (M)[5]			Mascot
	991.524	991.4547	-0.0693	-70	208	215	NMVDQLKK					Oxidation (M)[2]			Mascot
	991.524	991.4547	-0.0693	-70	208	215	NMVDQLKK					Oxidation (M)[2]			Mascot
	1045.5823	1045.5554	-0.0269	-26	786	793	LMQQLREK								Mascot
	1287.6791	1287.6616	-0.0175	-14	743	753	SVEEQIDILNK								Mascot
	1287.6791	1287.6616	-0.0175	-14	743	753	SVEEQIDILNK								Mascot
	1325.6155	1325.7494	0.1339	101	794	804	DDANFKLMSEK								Mascot
	1325.6155	1325.7494	0.1339	101	794	804	DDANFKLMSEK								Mascot
	1327.744	1327.7388	-0.0052	-4	886	896	TQLEGVQQLR								Mascot
	1475.6268	1475.7458	0.119	81	975	985	CFHVFCEFCVK					Carbamidomethyl (C)[1,6]			Mascot
	1638.7826	1638.8528	0.0702	43	317	332	VCGEASSVCGTITINK					Carbamidomethyl (C)[2]			Mascot
	1826.8514	1826.9703	0.1189	65	139	155	SLKPGTPEPDGDSNQER								Mascot
	1826.8514	1826.9703	0.1189	65	139	155	SLKPGTPEPDGDSNQER								Mascot
	1883.9821	1883.8339	-0.1482	-79	69	84	LGEALDQRQVIEDELK								Mascot
	1883.9821	1883.8339	-0.1482	-79	69	84	LGEALDQRQVIEDELK								Mascot
	1957.8668	1958.0054	0.1386	71	121	138	RCDQSGSEPVESQPPEG R								Mascot
	2299.0918	2299.1743	0.0825	36	243	262	LCQLTDGLQQKHSMTS ESR								Mascot
	2300.1816	2300.1643	-0.0173	-8	222	242	DGGLWDVAVRLNALLTG MNER								Mascot
31	fin bud initiation factor precursor [Danio rerio]				gi 224922848		24213.1	5.12	8	44	0				

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification	Rank	Result Type
	842.3898	842.5034	0.1136	135	57	62	CQMLFK			Carbamidomethyl (C)[1], Oxidation (M)[3]		Mascot
	911.4655	911.3931	-0.0724	-79	203	209	LKNDYMK					Mascot
	911.4655	911.3931	-0.0724	-79	203	209	LKNDYMK					Mascot
	913.4962	913.4514	-0.0448	-49	195	202	SHGTRLKR					Mascot
	1007.5519	1007.4515	-0.1004	-100	81	88	DDFTIIKR					Mascot
	1088.6198	1088.5405	-0.0793	-73	174	183	ETLDISLGLK					Mascot
	1088.6198	1088.5405	-0.0793	-73	174	183	ETLDISLGLK					Mascot
	1489.6418	1489.8271	0.1853	124	57	67	CQMLFKMMDNR			Carbamidomethyl (C)[1], Oxidation (M)[3]		Mascot
	1994.0636	1993.9551	-0.1085	-54	2	19	GTMASPLFILIACLLSMR			Carbamidomethyl (C)[13]		Mascot
	2283.0808	2283.1677	0.0869	38	69	87	CTLDEDQDSVIRDDFTIIK			Carbamidomethyl (C)[1]		Mascot
32	PREDICTED: hypothetical protein LOC100536975 [Danio rerio]				gi 326679271		234171	8.98	25	44	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
807.4722	807.3793	-0.0929	-115	572	578 AFTNKVK				Mascot
850.4205	850.5349	0.1144	135	201	207 AEFAR				Mascot
864.4131	864.4876	0.0745	86	1	8 MAEEALGK		Oxidation (M)[1]		Mascot
991.4439	991.4547	0.0108	11	1568	1575 DQDSNERK				Mascot
991.4876	991.4547	-0.0329	-33	93	101 KAVEECNAK				Mascot
996.5624	996.5899	0.0275	28	173	180 WIPAPERK				Mascot
1013.4944	1013.4352	-0.0592	-58	1365	1372 HGRMEVER				Mascot
1023.4934	1023.447	-0.0464	-45	816	822 EFIDWWK				Mascot
1088.5483	1088.5405	-0.0078	-7	259	266 RDWENLQK				Mascot
1088.5483	1088.5405	-0.0078	-7	259	266 RDWENLQK				Mascot
1118.6567	1118.675	0.0183	16	1004	1014 GVFAALGDIKK				Mascot
1165.5887	1165.7374	0.1487	128	1450	1458 YSVEEWPKK				Mascot
1211.6266	1211.7084	0.0818	68	1132	1142 NEVVDPSQVPK				Mascot
1287.6903	1287.6616	-0.0287	-22	278	288 KIQLVDSVDDR				Mascot
1287.6903	1287.6616	-0.0287	-22	278	288 KIQLVDSVDDR				Mascot
1325.7113	1325.7494	0.0381	29	1284	1294 FHRSLTPPGWK				Mascot
1325.7113	1325.7494	0.0381	29	1284	1294 FHRSLTPPGWK				Mascot
1364.6475	1364.6876	0.0401	29	189	199 LKECSNELESR		Carbamidomethyl (C)[4]		Mascot
1364.7307	1364.6876	-0.0431	-32	38	48 LIESELKEEFK				Mascot
1382.5927	1382.7712	0.1785	129	447	460 DSTEAGCIVCGAEK				Mascot
1493.8984	1493.723	-0.1754	-117	644	657 ITLVVHGVGKMAIR				Mascot
1827.002	1826.9703	-0.0317	-17	1644	1660 AVPIPCSAWVSMLLAR				Mascot
1827.0334	1826.9703	-0.0631	-35	1143	1158 ESISQSKTIILPNQLR				Mascot
1838.783	1838.9	0.117	64	839	855 CGNCQPGGKEMTLAEER		Oxidation (M)[11]		Mascot
1840.9525	1840.9342	-0.0183	-10	1839	1856 IHPASSPHRNGAAEAAR				Mascot
1840.9525	1840.9342	-0.0183	-10	1839	1856 IHPASSPHRNGAAEAAR				Mascot
1884.0234	1883.8339	-0.1895	-101	1644	1660 AVPIPCSAWVSMLLAR		Carbamidomethyl (C)[7]		Mascot
1884.0234	1883.8339	-0.1895	-101	1644	1660 AVPIPCSAWVSMLLAR		Carbamidomethyl (C)[7]		Mascot
1900.0183	1899.8328	-0.1855	-98	1644	1660 AVPIPCSAWVSMLLAR		Carbamidomethyl (C)[7], Oxidation (M)[13]		Mascot
2211.0215	2211.0981	0.0766	35	816	833 EFIDWWKWD SIGTACEPK				Mascot
2299.1758	2299.1743	-0.0015	-1	1049	1069 VNIGDRPAGCIAQLAMRE TAR		Carbamidomethyl (C)[10]		Mascot
2300.1956	2300.1643	-0.0313	-14	671	691 TPEGTVKAHQICYLEEI AK				Mascot

domain containing (NIFUN) [Danio rerio]

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type	
913.4447	913.4514	0.0067	7	10	18	CASSALFSK						Mascot	
960.5359	960.47	-0.0659	-69	107	115	GKSIDEALK	10		0			Mascot	
960.5359	960.47	-0.0659	-69	107	115	GKSIDEALK						Mascot	
1045.5636	1045.5554	-0.0082	-8	44	53	NVGSLDKNAK						Mascot	
1069.5459	1069.5527	0.0068	6	9	18	RCASSALFSK						Mascot	
2247.1113	2247.0872	-0.0241	-11	86	106	FKTFGCGSAIASSSLATE WVK			Carbamidomethyl (C)[6]			Mascot	
2283.1545	2283.1677	0.0132	6	124	143	ELCLPPVKLHCSMLAEDA IK			Carbamidomethyl (C)[3], Oxidation (M)[13]			Mascot	
KIAA0650-like protein [Danio rerio]				gi 57164644		131026.7	7.89	12	42	0	21	0	

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
850.5508	850.5349	-0.0159	-19	906	913	VAHLALVK				Mascot
897.4689	897.4584	-0.0105	-12	199	205	FNIPNHR				Mascot
913.5464	913.4514	-0.095	-104	1058	1065	APSIEKLR				Mascot
960.5472	960.47	-0.0772	-80	813	820	DRLSQTIK				Mascot
960.5472	960.47	-0.0772	-80	813	820	DRLSQTIK				Mascot
984.4454	984.419	-0.0264	-27	556	563	LCVEYDSR				Mascot
991.4665	991.4547	-0.0118	-12	890	897	CTVPDPFR	21	0	Carbamidomethyl (C)[1]	Mascot
991.4665	991.4547	-0.0118	-12	890	897	CTVPDPFR			Carbamidomethyl (C)[1]	Mascot
996.5359	996.5899	0.054	54	1	9	TSFSIKEGK				Mascot
1051.6398	1051.7042	0.0644	61	696	704	TLLYSLTLK				Mascot
1069.6477	1069.5527	-0.095	-89	213	221	QLRVLPSTR				Mascot
1165.5782	1165.7374	0.1592	137	1047	1057	CNGKFGGLQNK				Mascot
1234.65	1234.6725	0.0225	18	510	521	ACFVLEAISGPK				Mascot
1862.9099	1862.9155	0.0056	3	602	620	GLASGSCPPAAASTLKC SK			Carbamidomethyl (C)[7,17]	Mascot
PREDICTED: cGMP-dependent protein kinase 1-like, partial [Danio rerio]				gi 326670354		42074.6	5.56	9	41	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type

		943.5319	943.3997	-0.1322	-140	15	21	IEELRQR											Mascot
		960.4744	960.47	-0.0044	-5	284	292	VTEGLDNGR											Mascot
		960.4744	960.47	-0.0044	-5	284	292	VTEGLDNGR											Mascot
		984.522	984.419	-0.103	-105	353	361	QAIQSPGQR											Mascot
		1069.5524	1069.5527	0.0003	0	339	348	SDSSSKFALK											Mascot
		1088.5695	1088.5405	-0.029	-27	283	292	KVTEGLDNGR											Mascot
		1088.5695	1088.5405	-0.029	-27	284	293	VTEGLDNGRK											Mascot
		1638.7648	1638.8528	0.088	54	232	246	QCVGEDSVMVCVLTR											Mascot
		1840.882	1840.9342	0.0522	28	127	142	DQLQCLVDSAYPTMLK					Oxidation (M)[14]						Mascot
		1840.882	1840.9342	0.0522	28	127	142	DQLQCLVDSAYPTMLK					Oxidation (M)[14]						Mascot
		2247.1145	2247.0872	-0.0273	-12	49	70	LRLSSAPGVSTATAGMD QGQQR					Oxidation (M)[16]						Mascot
36	PREDICTED: WD repeat- and FYVE domain-containing protein 4 [Danio rerio]							gi 326673033	526148.3	6.32	29	41	0	17	0				

	1823.8633	1823.9175	0.0542	30	12	26	ASKSDCLYYLEQFTR									Mascot
	1839.0044	1838.9	-0.1044	-57	2811	2828	KSCLVTVYLNATAIGTGK									Mascot
	1866.0154	1865.9209	-0.0945	-51	1591	1607	NLKP GDIV IIMDPTAPR					Oxidation (M)[11]				Mascot
	1958.0276	1958.0054	-0.0222	-11	2717	2733	FSSACESHVRLT TVVR					Carbamidomethyl (C)[5]				Mascot
	1993.9907	1993.9551	-0.0356	-18	2521	2537	QIMCEFGLLSTLLTHCK					Carbamidomethyl (C)[4]				Mascot
	2224.9355	2225.1101	0.1746	78	257	274	HL CFGCLSTSHMSRDCE K					Carbamidomethyl (C)[3,6,16]				Mascot
	2233.0127	2233.0735	0.0608	27	3183	3201	SWSFECLSCICPGFEVLQ K					Carbamidomethyl (C)[6]				Mascot
	2283.1948	2283.1677	-0.0271	-12	2024	2043	IIQSSFMRSSNTVICSQIL R									Mascot
	2284.1389	2284.168	0.0291	13	2349	2369	LGEALLHLGCFQKGD PV ESDR									Mascot
	2299.1772	2299.1743	-0.0029	-1	2789	2807	CAKHLIPGQWHHLCLVM AK					Carbamidomethyl (C)[1,14]				Mascot
	2300.1206	2300.1643	0.0437	19	910	927	NYGWDETVPQELLHRWT R									Mascot
	3337.6045	3337.7432	0.1387	42	3638	3666	EGQVSMADV SPLWEEQ ATKSWQLFIDSQK									Mascot
37	homeobox protein Hox-C1a [Danio rerio]					gi 18858843	34195.5	8.59	8	40	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3793	-0.0202	-25	143	149	TYDGPVR					Mascot
850.4087	850.5349	0.1262	148	196	202	CSDRELK					Mascot
991.4778	991.4547	-0.0231	-23	17	25	GYHATGVMR					Mascot
991.4778	991.4547	-0.0231	-23	17	25	GYHATGVMR					Mascot
1007.4727	1007.4515	-0.0212	-21	17	25	GYHATGVMR			Oxidation (M)[8]		Mascot
1839.0334	1838.9	-0.1334	-73	245	260	RIEIANPLQLSETQVK					Mascot
1865.8619	1865.9209	0.059	32	276	293	EGLAQGLMLISGCDEDS K					Mascot
1993.9569	1993.9551	-0.0018	-1	276	294	EGLAQGLMLISGCDEDS KK					Mascot
2247.0459	2247.0872	0.0413	18	123	142	TFSSAHCELGPNNTQT EVR			Carbamidomethyl (C)[7]		Mascot
3467.6033	3467.9175	0.3142	91	150	180	HSAVEDDNTGHGALNTL NETLHSGKTFEWMR					Mascot

38 Si:dkey-98f17.2 protein [Danio rerio] gi|161611480 88692.7 5.92 12 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4893	850.5349	0.0456	54	568	574	KQQPPPR					Mascot
991.5432	991.4547	-0.0885	-89	258	266	GSPPPPQRR					Mascot
991.5432	991.4547	-0.0885	-89	258	266	GSPPPPQRR					Mascot

1013.3914	1013.4352	0.0438	43	768	776	QCTEMSSDI											Mascot
1088.5557	1088.5405	-0.0152	-14	532	540	EHCLNFVVK	2	0									Mascot
1088.5557	1088.5405	-0.0152	-14	532	540	EHCLNFVVK											Mascot
1333.6569	1333.6947	0.0378	28	541	551	ESHFNQVIMTK											Mascot
1382.6852	1382.7712	0.086	62	169	180	LWIFAGYDGNAR											Mascot
1475.7939	1475.7458	-0.0481	-33	727	738	HCLHIIVHQFTK											Mascot
1493.7781	1493.723	-0.0551	-37	73	84	NMLNDLLRFDVK						Oxidation (M)[2]					Mascot
1865.8422	1865.9209	0.0787	42	85	101	DCSWCRAFTTGTTPAPR											Mascot
2211.0652	2211.0981	0.0329	15	366	382	LWENRQFCDFEFILGER						Carbamidomethyl (C)[8]					Mascot
2225.1018	2225.1101	0.0083	4	61	80	DAIVVFGDNGKNMLND LLR											Mascot
3467.8369	3467.9175	0.0806	23	593	624	AYLEGAGHEFCDIILLLDG HPRPAHKAILAAR											Mascot

39 PREDICTED: hypothetical protein LOC797378 [Danio rerio] gi|292622805 72531.1 6.46 4 38 0 31 74.031

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4501	882.5576	0.1075	122	1	7	MSTRPFK			Oxidation (M)[1]		Mascot
1024.5132	1024.5726	0.0594	58	8	16	FLAGIESCK			Carbamidomethyl (C)[8]		Mascot
1287.7015	1287.6616	-0.0399	-31	566	577	KNNGLLSESVAR					Mascot
1287.7015	1287.6616	-0.0399	-31	566	577	KNNGLLSESVAR	31	74.031			Mascot
2224.9221	2225.1101	0.188	84	51	68	LSEMENTRDTMTSYEE K			Oxidation (M)[4,12]		Mascot

40 novel protein similar to retinol saturase (all-trans-retinol 13,14-reductase) (retsat, zgc:123334) gi|169154572 67886.6 7.85 12 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4516	850.5349	0.0833	98	236	243	TSTSEVVK					Mascot
984.5295	984.419	-0.1105	-112	171	178	QMEAHLKK					Mascot
991.579	991.4547	-0.1243	-125	201	208	VRLLCMLK			Oxidation (M)[6]		Mascot
991.579	991.4547	-0.1243	-125	201	208	VRLLCMLK			Oxidation (M)[6]		Mascot
1024.5165	1024.5726	0.0561	55	193	200	IMKICSEK			Carbamidomethyl (C)[5], Oxidation (M)[2]		Mascot
1333.7699	1333.6947	-0.0752	-56	304	316	HGGKVLVNAPVSR					Mascot
1823.9949	1823.9175	-0.0774	-42	448	463	FPGQSRMVIHTLVNPK					Mascot
1838.8577	1838.9	0.0423	23	485	498	MRFANHLFDWACVR			Carbamidomethyl (C)[12], Oxidation (M)[1]		Mascot
1840.9156	1840.9342	0.0186	10	266	281	NSSCMIDALLHHSKR			Oxidation (M)[5]		Mascot

	1840.9156	1840.9342	0.0186	10	266	281	NSSCMIDALLLHHSKR							Oxidation (M)[5]	Mascot
	2211.1248	2211.0981	-0.0267	-12	1	16	MWWILLFLEWFVDWAR								Mascot
	2282.9944	2283.1677	0.1733	76	404	422	LYKGNNVDEMMEEFASDK								Mascot
	2298.9893	2299.1743	0.185	80	404	422	LYKGNNVDEMMEEFASDK							Oxidation (M)[10]	Mascot
	3337.5615	3337.7432	0.1817	54	552	582	NLYLSGQDIFTAGYSGALHGGFLCASTVMDR							Carbamidomethyl (C)[24], Oxidation (M)[29]	Mascot
	3338.6799	3338.7556	0.0757	23	1	25	MWWILLFLEWFVDWARGTFWYLFGR								Mascot
41	Si:dkeyp-117h8.4 protein [Danio rerio]				gi 158253430		74521.1	9.27	11	38	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
864.4825	864.4876	0.0051	6	654	660	LQYSLLQ						Mascot
943.5206	943.3997	-0.1209	-128	405	413	QINSIGSPK						Mascot
960.5109	960.47	-0.0409	-43	344	352	AGLSITDQR						Mascot
960.5109	960.47	-0.0409	-43	344	352	AGLSITDQR						Mascot
1088.5458	1088.5405	-0.0053	-5	489	496	LYHHFICR						Mascot
1088.5458	1088.5405	-0.0053	-5	489	496	LYHHFICR						Mascot
1118.6204	1118.675	0.0546	49	382	392	SFIGVLSPNGK						Mascot
1142.5551	1142.5176	-0.0375	-33	1	9	MPLYTDQFK						Mascot
1382.6699	1382.7712	0.1013	73	567	577	HFQLTDLHEDK						Mascot
1826.8854	1826.9703	0.0849	46	11	25	NNDVFRNTMEAFQK						Mascot
1826.8854	1826.9703	0.0849	46	11	25	NNDVFRNTMEAFQK						Mascot
2233.1096	2233.0735	-0.0361	-16	267	287	NSVDVSGVTDQSAWIDV ALTR						Mascot
2300.1228	2300.1643	0.0415	18	516	537	ESFQSPGFSSSSMSALA LTPLR						Mascot
2362.2461	2362.1738	-0.0723	-31	344	365	AGLSITDQRETSIISQLSS LDK						Mascot

42	PREDICTED: hypothetical protein LOC796277 [Danio rerio]				gi 292622807		79431.9	5.54	4	38	0	31	74.031	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
882.4501	882.5576	0.1075	122	1	7	MSTRPFK				Oxidation (M)[1]		Mascot
1024.5132	1024.5726	0.0594	58	8	16	FLAGIESCK				Carbamidomethyl (C)[8]		Mascot
1287.7015	1287.6616	-0.0399	-31	638	649	KNNGLLSSESVAR						Mascot
1287.7015	1287.6616	-0.0399	-31	638	649	KNNGLLSSESVAR	31	74.031				Mascot
2224.9221	2225.1101	0.188	84	51	68	LSEMENTRDTEMTSYEE				Oxidation (M)[4,12]		Mascot

43 T-box protein [Danio rerio] K
gi|5524273 73654.4 8.87 11 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
942.5618	942.4211	-0.1407	-149	373	380	EKPIAEKK					Mascot
943.4666	943.3997	-0.0669	-71	157	164	ADPEMPKR					Mascot
991.5492	991.4547	-0.0945	-95	100	108	LGTEMVITK					Mascot
991.5492	991.4547	-0.0945	-95	100	108	LGTEMVITK					Mascot
1007.5441	1007.4515	-0.0926	-92	100	108	LGTEMVITK			Oxidation (M)[5]		Mascot
1088.516	1088.5405	0.0245	23	92	99	DLWDQFHK					Mascot
1088.5443	1088.5405	-0.0038	-3	633	643	SGASQRNGSPK					Mascot
1325.7688	1325.7494	-0.0194	-15	213	223	FHIVRANDILK					Mascot
1325.7688	1325.7494	-0.0194	-15	213	223	FHIVRANDILK					Mascot
1382.6481	1382.7712	0.1231	89	620	632	CGSREASPVPDHK					Mascot
1475.7021	1475.7458	0.0437	30	151	163	WMVAGKADPEMPK			Oxidation (M)[2]		Mascot
1840.8932	1840.9342	0.041	22	277	291	QLTLPSLRMYEDQCK			Oxidation (M)[9]		Mascot
1840.8932	1840.9342	0.041	22	277	291	QLTLPSLRMYEDQCK			Oxidation (M)[9]		Mascot
1862.845	1862.9155	0.0705	38	349	366	CGGSSSPAPEPSSPFRS R			Carbamidomethyl (C)[1]		Mascot
2232.8518	2233.0735	0.2217	99	331	348	DDKTCTDSEHEMDHQND R			Carbamidomethyl (C)[5]		Mascot

44 Fin bud initiation factor [Danio rerio] gi|62204463 23923.9 5.12 7 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.3898	842.5034	0.1136	135	54	59	CQMLFK			Carbamidomethyl (C)[1], Oxidation (M)[3]		Mascot
911.4655	911.3931	-0.0724	-79	200	206	LKNDYMK					Mascot
911.4655	911.3931	-0.0724	-79	200	206	LKNDYMK					Mascot
913.4962	913.4514	-0.0448	-49	192	199	SHGTRLR					Mascot
1007.5519	1007.4515	-0.1004	-100	78	85	DDFTIIR					Mascot
1088.6198	1088.5405	-0.0793	-73	171	180	ETLDISLGLK					Mascot
1088.6198	1088.5405	-0.0793	-73	171	180	ETLDISLGLK					Mascot
1489.6418	1489.8271	0.1853	124	54	64	CQMLFKMMDNR			Carbamidomethyl (C)[1], Oxidation (M)[3]		Mascot
2283.0808	2283.1677	0.0869	38	66	84	CTLDEDQDSVIRDDFTIIR			Carbamidomethyl (C)[1]		Mascot

45 PREDICTED: ras association domain-containing protein gi|189537462 49870 4.96 1 27 42.791
10 [Danio rerio]

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	960.4632	960.47	0.0068	7	184	191 ELDGEIER		27	42.791		2 Mascot
46	Hook homolog 1 [Danio rerio]					gi 190339684	83123.4	5.24	1	26	31.062
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	960.4996	960.47	-0.0296	-31	323	330 LEDLSDLR		26	31.062		3 Mascot
47	rho guanine nucleotide exchange factor 16 [Danio rerio]					gi 181329850	69172.6	6.51	1	24	0
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	960.4268	960.47	0.0432	45	44	51 LDSPEDER		24	0		4 Mascot
48	PREDICTED: stromal interaction molecule 2-like [Danio rerio]					gi 326663880	113350.4	5.9	1	23	0
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	1088.5154	1088.5405	0.0251	23	694	702 KDHMDSISR		24	0		2 Mascot
49	growth hormone receptor b [Danio rerio]					gi 194399720	62504.7	4.69	1	23	0
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	960.4819	960.47	-0.0119	-12	447	454 LAMIPDER		23	0	Oxidation (M)[3]	5 Mascot
50	ATP-binding cassette sub-family G member 5 [Danio rerio]					gi 192451463	73138.7	8.64	1	22	0
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	991.5175	991.4547	-0.0628	-63	386	393 DRMGILMR		22	0		2 Mascot

Gel Idx/Pos	251/K3	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	Vtg1 protein [Danio rerio]	gi 63100501	36409.1	9.23	16	777	100	664	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4489	0.0032	4	198	204	QYAVFAK					Mascot
960.4785	960.4805	0.002	2	218	224	LEVEWER	47	99.352			Mascot
960.4785	960.4805	0.002	2	218	224	LEVEWER					Mascot
976.5322	976.4746	-0.0576	-59	25	32	FSSVPRQR					Mascot
984.4243	984.4247	0.0004	0	190	197	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.4247	0.0004	0	190	197	FSWGAECK	51	99.79	Carbamidomethyl (C)[7]		Mascot
998.5669	998.4405	-0.1264	-127	13	20	VWPEQVLK					Mascot
1118.682	1118.6837	0.0017	2	225	234	LPIIVTTYAK					Mascot
1118.682	1118.6837	0.0017	2	225	234	LPIIVTTYAK	73	99.998			Mascot
1287.6691	1287.673	0.0039	3	205	217	AEAGVLGEFPAAR	112	100			Mascot
1287.6691	1287.673	0.0039	3	205	217	AEAGVLGEFPAAR					Mascot
1364.6957	1364.6995	0.0038	3	239	250	HILTAAYDTGFR					Mascot
1364.6957	1364.6995	0.0038	3	239	250	HILTAAYDTGFR	99	100			Mascot
1369.6569	1369.7268	0.0699	51	186	197	VTGKFSWGAECK			Carbamidomethyl (C)[11]		Mascot
1380.7528	1380.7196	-0.0332	-24	31	41	QRIPTVMNLHR			Oxidation (M)[7]		Mascot
1660.8574	1660.8605	0.0031	2	159	173	VQLIVSSIAENDNMK					Mascot
1676.8523	1676.8582	0.0059	4	159	173	VQLIVSSIAENDNMK			Oxidation (M)[14]		Mascot
1796.9078	1796.9141	0.0063	4	239	253	HILTAAYDTGFRFER					Mascot
1826.9799	1826.9823	0.0024	1	143	158	LLGYQLAAYFDKPTAR	135	100			Mascot
1826.9799	1826.9823	0.0024	1	143	158	LLGYQLAAYFDKPTAR					Mascot
1958.0189	1958.0229	0.004	2	254	271	ATNSEKEIELTAALPSQR					Mascot
1958.0189	1958.0229	0.004	2	254	271	ATNSEKEIELTAALPSQR	149	100			Mascot
2060.1426	2060.1394	-0.0032	-2	218	234	LEVEWERLPIIVTTYAK					Mascot
2705.3848	2705.1614	-0.2234	-83	159	183	VQLIVSSIAENDNMKICAD GALLSK			Carbamidomethyl (C)[17], Oxidation (M)[14]		Mascot

2	vitellogenin 1 [Danio rerio]	gi 166795887	149452.5	8.68	20	728	100	664	100
Peptide Information									

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type	
826.4457	826.4489	0.0032	4	1238	1244	QYAVFAK					Mascot	
960.4785	960.4805	0.002	2	1258	1264	LEVEWER	47	99.352			Mascot	
960.4785	960.4805	0.002	2	1258	1264	LEVEWER					Mascot	
984.4243	984.4247	0.0004	0	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]		Mascot	
984.4243	984.4247	0.0004	0	1230	1237	FSWGAECK	51	99.79	Carbamidomethyl (C)[7]		Mascot	
992.5015	992.4683	-0.0332	-33	615	622	LMNCKLDR					Mascot	
992.5015	992.4683	-0.0332	-33	615	622	LMNCKLDR					Mascot	
1088.5405	1088.549	0.0085	8	415	424	MTASLATHEK					Mascot	
1118.682	1118.6837	0.0017	2	1265	1274	LPIIVTTYAK					Mascot	
1118.682	1118.6837	0.0017	2	1265	1274	LPIIVTTYAK	73	99.998			Mascot	
1287.6691	1287.673	0.0039	3	1245	1257	AEAGVLGEFPAAR	112	100			Mascot	
1287.6691	1287.673	0.0039	3	1245	1257	AEAGVLGEFPAAR					Mascot	
1364.6957	1364.6995	0.0038	3	1279	1290	HILTAAYDTGFR					Mascot	
1364.6957	1364.6995	0.0038	3	1279	1290	HILTAAYDTGFR	99	100			Mascot	
1369.7032	1369.7268	0.0236	17	828	838	LESMTYEQLKK					Mascot	
1375.6458	1375.7407	0.0949	69	184	194	DLSHCQERIMK			Oxidation (M)[10]		Mascot	
1382.7889	1382.7812	-0.0077	-6	303	315	ISDAPAQIVEVLK					Mascot	
1382.7889	1382.7812	-0.0077	-6	303	315	ISDAPAQIVEVLK					Mascot	
1660.8574	1660.8605	0.0031	2	1199	1213	VQLIVSSIAENDNMK					Mascot	
1676.8523	1676.8582	0.0059	4	1199	1213	VQLIVSSIAENDNMK			Oxidation (M)[14]		Mascot	
1796.9078	1796.9141	0.0063	4	1279	1293	HILTAAYDTGFRFER					Mascot	
1826.9799	1826.9823	0.0024	1	1183	1198	LLGYQLAAYFDKPTAR	135	100			Mascot	
1826.9799	1826.9823	0.0024	1	1183	1198	LLGYQLAAYFDKPTAR					Mascot	
1958.0189	1958.0229	0.004	2	1294	1311	ATNSEKEIELTAALPSQR					Mascot	
1958.0189	1958.0229	0.004	2	1294	1311	ATNSEKEIELTAALPSQR	149	100			Mascot	
2001.0573	2001.0725	0.0152	8	54	71	VSSKVLISATTENTYLMK			Oxidation (M)[17]		Mascot	
2060.1426	2060.1394	-0.0032	-2	1258	1274	LEVEWERLPIIVTTYAK					Mascot	
2233.2009	2233.0769	-0.124	-56	593	614	SLTRITAPDMAYVAGAAN VAIK					Mascot	
2705.3848	2705.1614	-0.2234	-83	1199	1223	VQLIVSSIAENDNMKICAD GALLSK			Carbamidomethyl (C)[17], Oxidation (M)[14]		Mascot	
3338.6421	3338.7483	0.1062	32	930	961	SIPLVPELSLQNSQASYA GDLSEMSSVASVR			Oxidation (M)[25]		Mascot	
vitellogenin 1 [Danio rerio]				gi 94733730		149140.4	8.74	17	707	100	664	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
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	826.4457	826.4489	0.0032	4	1238	1244	QYAVFAK												Mascot
	960.4785	960.4805	0.002	2	1258	1264	LEVEWER	47	99.352										Mascot
	960.4785	960.4805	0.002	2	1258	1264	LEVEWER												Mascot
	984.4243	984.4247	0.0004	0	1230	1237	FSWGAECK											Carbamidomethyl (C)[7]	Mascot
	984.4243	984.4247	0.0004	0	1230	1237	FSWGAECK	51	99.79									Carbamidomethyl (C)[7]	Mascot
	1088.5405	1088.549	0.0085	8	415	424	MTASLATHEK												Mascot
	1118.682	1118.6837	0.0017	2	1265	1274	LPIIVTTYAK												Mascot
	1118.682	1118.6837	0.0017	2	1265	1274	LPIIVTTYAK	73	99.998										Mascot
	1287.6691	1287.673	0.0039	3	1245	1257	AEAGVLGEFPAAR	112	100										Mascot
	1287.6691	1287.673	0.0039	3	1245	1257	AEAGVLGEFPAAR												Mascot
	1364.6957	1364.6995	0.0038	3	1279	1290	HILTAAYDTGFR												Mascot
	1364.6957	1364.6995	0.0038	3	1279	1290	HILTAAYDTGFR	99	100										Mascot
	1369.7032	1369.7268	0.0236	17	828	838	LESMTYEQLKK												Mascot
	1375.6458	1375.7407	0.0949	69	184	194	DLSHCQERIMK											Oxidation (M)[10]	Mascot
	1382.7889	1382.7812	-0.0077	-6	303	315	ISDAPAQIVEVLK												Mascot
	1382.7889	1382.7812	-0.0077	-6	303	315	ISDAPAQIVEVLK												Mascot
	1660.8574	1660.8605	0.0031	2	1199	1213	VQLIVSSIAENDNMK												Mascot
	1676.8523	1676.8582	0.0059	4	1199	1213	VQLIVSSIAENDNMK											Oxidation (M)[14]	Mascot
	1796.9078	1796.9141	0.0063	4	1279	1293	HILTAAYDTGFRFER												Mascot
	1826.9799	1826.9823	0.0024	1	1183	1198	LLGYQLAAYFDKPTAR	135	100										Mascot
	1826.9799	1826.9823	0.0024	1	1183	1198	LLGYQLAAYFDKPTAR												Mascot
	1958.0189	1958.0229	0.004	2	1294	1311	ATNSEKEIELTAALPSQR												Mascot
	1958.0189	1958.0229	0.004	2	1294	1311	ATNSEKEIELTAALPSQR	149	100										Mascot
	2001.0573	2001.0725	0.0152	8	54	71	VSSKVLISATTENTYLMK											Oxidation (M)[17]	Mascot
	2060.1426	2060.1394	-0.0032	-2	1258	1274	LEVEWERLPIIVTTYAK												Mascot
	2705.3848	2705.1614	-0.2234	-83	1199	1223	VQLIVSSIAENDNMKICAD GALLSK											Carbamidomethyl (C)[17], Oxidation (M)[14]	Mascot
4	Vtg1 protein [Danio rerio]				gi 145337918		116565.5	9.07	15	706	100	664	100						

1088.5405	1088.549	0.0085	8	121	130	MTASLATHEK				Mascot
1118.682	1118.6837	0.0017	2	971	980	LPIIVTTYAK				Mascot
1118.682	1118.6837	0.0017	2	971	980	LPIIVTTYAK	73	99.998		Mascot
1287.6691	1287.673	0.0039	3	951	963	AEAGVLGEFPAAR	112	100		Mascot
1287.6691	1287.673	0.0039	3	951	963	AEAGVLGEFPAAR				Mascot
1364.6957	1364.6995	0.0038	3	985	996	HILTAAYDTGFR				Mascot
1364.6957	1364.6995	0.0038	3	985	996	HILTAAYDTGFR	99	100		Mascot
1369.7032	1369.7268	0.0236	17	534	544	LESMTYEQ LKK				Mascot
1382.7889	1382.7812	-0.0077	-6	9	21	ISDAPAQIVEVLK				Mascot
1382.7889	1382.7812	-0.0077	-6	9	21	ISDAPAQIVEVLK				Mascot
1660.8574	1660.8605	0.0031	2	905	919	VQLIVSSIAENDNMK				Mascot
1676.8523	1676.8582	0.0059	4	905	919	VQLIVSSIAENDNMK		Oxidation (M)[14]		Mascot
1796.9078	1796.9141	0.0063	4	985	999	HILTAAYDTGFRFER				Mascot
1826.9799	1826.9823	0.0024	1	889	904	LLGYQLAAYFDKPTAR	135	100		Mascot
1826.9799	1826.9823	0.0024	1	889	904	LLGYQLAAYFDKPTAR				Mascot
1958.0189	1958.0229	0.004	2	1000	1017	ATNSEKEIELTAALPSQR				Mascot
1958.0189	1958.0229	0.004	2	1000	1017	ATNSEKEIELTAALPSQR	149	100		Mascot
2060.1426	2060.1394	-0.0032	-2	964	980	LEVEWERLPIIVTTYAK				Mascot
2705.3848	2705.1614	-0.2234	-83	905	929	VQLIVSSIAENDNMKICAD		Carbamidomethyl (C)[17], Oxidation (M)[14]		Mascot

Peptide Information

	1369.7032	1369.7268	0.0236	17	637	647	LESMTYEQLKK										Mascot
	1382.7889	1382.7812	-0.0077	-6	112	124	ISDAPAQIVEVLK										Mascot
	1382.7889	1382.7812	-0.0077	-6	112	124	ISDAPAQIVEVLK										Mascot
	1660.8574	1660.8605	0.0031	2	1006	1020	VQLIVSSIAENDNMK										Mascot
	1676.8523	1676.8582	0.0059	4	1006	1020	VQLIVSSIAENDNMK						Oxidation (M)[14]				Mascot
	1796.9078	1796.9141	0.0063	4	1086	1100	HILTAAYDTGFRFER										Mascot
	1826.9799	1826.9823	0.0024	1	990	1005	LLGYQLAAYFDKPTAR		135		100						Mascot
	1826.9799	1826.9823	0.0024	1	990	1005	LLGYQLAAYFDKPTAR										Mascot
	1958.0189	1958.0229	0.004	2	1101	1118	ATNSEKEIELTAALPSQR										Mascot
	1958.0189	1958.0229	0.004	2	1101	1118	ATNSEKEIELTAALPSQR		149		100						Mascot
	2060.1426	2060.1394	-0.0032	-2	1065	1081	LEVEWERLPIIVTTYAK										Mascot
	2705.3848	2705.1614	-0.2234	-83	1006	1030	VQLIVSSIAENDNMKICAD GALLSK						Carbamidomethyl (C)[17], Oxidation (M)[14]				Mascot
6	vitellogenin 7 [Danio rerio]						gi 57864789	24318.7	8.37	8	466	100	415	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
826.4457	826.4489	0.0032	4	93	99	QYAVFAK							Mascot
960.4785	960.4805	0.002	2	113	119	LEVEWER	47	99.352					Mascot
960.4785	960.4805	0.002	2	113	119	LEVEWER							Mascot
984.4243	984.4247	0.0004	0	85	92	FSWGAECK				Carbamidomethyl (C)[7]			Mascot
984.4243	984.4247	0.0004	0	85	92	FSWGAECK	51	99.79		Carbamidomethyl (C)[7]			Mascot
1118.682	1118.6837	0.0017	2	120	129	LPIIVTTYAK							Mascot
1118.682	1118.6837	0.0017	2	120	129	LPIIVTTYAK	73	99.998					Mascot
1287.6691	1287.673	0.0039	3	100	112	AEAGVLGEFPAAR	112	100					Mascot
1287.6691	1287.673	0.0039	3	100	112	AEAGVLGEFPAAR							Mascot
1369.6569	1369.7268	0.0699	51	81	92	VTGKFSWGAECK				Carbamidomethyl (C)[11]			Mascot
1826.9799	1826.9823	0.0024	1	38	53	LLGYQLAAYFDKPTAR	135	100					Mascot
1826.9799	1826.9823	0.0024	1	38	53	LLGYQLAAYFDKPTAR							Mascot
2060.1426	2060.1394	-0.0032	-2	113	129	LEVEWERLPIIVTTYAK							Mascot

7	vitellogenin 7 [Danio rerio]						gi 156713467	148739.2	8.76	11	421	100	415	100			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
826.4457	826.4489	0.0032	4	1234	1240	QYAVFAK							Mascot
960.4785	960.4805	0.002	2	1254	1260	LEVEWER	47	99.352					Mascot

960.4785	960.4805	0.002	2	1254	1260	LEVEWER												Mascot
984.4243	984.4247	0.0004	0	1226	1233	FSWGAECK												Mascot
984.4243	984.4247	0.0004	0	1226	1233	FSWGAECK	51	99.79	Carbamidomethyl (C)[7]									Mascot
1118.682	1118.6837	0.0017	2	1261	1270	LPIIVTTYAK												Mascot
1118.682	1118.6837	0.0017	2	1261	1270	LPIIVTTYAK	73	99.998										Mascot
1287.6691	1287.673	0.0039	3	1241	1253	AEAGVLGEFPAAR	112	100										Mascot
1287.6691	1287.673	0.0039	3	1241	1253	AEAGVLGEFPAAR												Mascot
1347.7882	1347.7352	-0.053	-39	1111	1122	LSKTATIIIEPFK												Mascot
1369.6569	1369.7268	0.0699	51	1222	1233	VTGKFSWGAECK			Carbamidomethyl (C)[11]									Mascot
1375.6458	1375.7407	0.0949	69	184	194	DLSHCQERIMK			Oxidation (M)[10]									Mascot
1796.8928	1796.9141	0.0213	12	72	86	LMDPLLYEYAGTWPK												Mascot
1826.9799	1826.9823	0.0024	1	1179	1194	LLGYQLAAYFDKPTAR	135	100										Mascot
1826.9799	1826.9823	0.0024	1	1179	1194	LLGYQLAAYFDKPTAR												Mascot
2060.1426	2060.1394	-0.0032	-2	1254	1270	LEVEWERLPIIVTTYAK												Mascot

8
novel protein similar to vitellogenin 1 (vg1) [Danio rerio]
gi|94732723
147084.2
8.73
11
419
100
415
100

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
826.4457	826.4489	0.0032	4	1219	1225	QYAVFAK						Mascot
960.4785	960.4805	0.002	2	1239	1245	LEVEWER	47	99.352				Mascot
960.4785	960.4805	0.002	2	1239	1245	LEVEWER						Mascot
984.4243	984.4247	0.0004	0	1211	1218	FSWGAECK			Carbamidomethyl (C)[7]			Mascot
984.4243	984.4247	0.0004	0	1211	1218	FSWGAECK	51	99.79	Carbamidomethyl (C)[7]			Mascot
1118.682	1118.6837	0.0017	2	1246	1255	LPIIVTTYAK						Mascot
1118.682	1118.6837	0.0017	2	1246	1255	LPIIVTTYAK	73	99.998				Mascot
1287.6691	1287.673	0.0039	3	1226	1238	AEAGVLGEFPAAR	112	100				Mascot
1287.6691	1287.673	0.0039	3	1226	1238	AEAGVLGEFPAAR						Mascot
1369.6569	1369.7268	0.0699	51	1207	1218	VTGKFSWGAECK			Carbamidomethyl (C)[11]			Mascot
1375.6458	1375.7407	0.0949	69	184	194	DLSHCQERIMK			Oxidation (M)[10]			Mascot
1660.7119	1660.8605	0.1486	89	1123	1138	DTSSGSAAASFEQMQK			Oxidation (M)[14]			Mascot
1796.8928	1796.9141	0.0213	12	72	86	LMDPLLYEYAGTWPK						Mascot
1826.9799	1826.9823	0.0024	1	1164	1179	LLGYQLAAYFDKPTAR	135	100				Mascot
1826.9799	1826.9823	0.0024	1	1164	1179	LLGYQLAAYFDKPTAR						Mascot
2060.1426	2060.1394	-0.0032	-2	1239	1255	LEVEWERLPIIVTTYAK						Mascot

9
vitellogenin 6 [Danio rerio]
gi|57864787
38968.8
8.92
6
403
100
382
100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4489	0.0032	4	235	241	QYAVFAK					Mascot
960.4785	960.4805	0.002	2	255	261	LEVEWER	47	99.352			Mascot
960.4785	960.4805	0.002	2	255	261	LEVEWER					Mascot
984.4243	984.4247	0.0004	0	227	234	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.4247	0.0004	0	227	234	FSWGAECK	51	99.79	Carbamidomethyl (C)[7]		Mascot
1660.7119	1660.8605	0.1486	89	139	154	DTSSGSAASFEQMQK			Oxidation (M)[14]		Mascot
1826.9799	1826.9823	0.0024	1	180	195	LLGYQLAAYFDKPTAR	135	100			Mascot
1826.9799	1826.9823	0.0024	1	180	195	LLGYQLAAYFDKPTAR					Mascot
1958.0189	1958.0229	0.004	2	291	308	ATNSEKEIELTAALPSQR					Mascot
1958.0189	1958.0229	0.004	2	291	308	ATNSEKEIELTAALPSQR	149	100			Mascot

10 vitellogenin 6 [Danio rerio] gi|303227889 150936.1 8.84 11 395 100 382 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4489	0.0032	4	1256	1262	QYAVFAK					Mascot
960.4785	960.4805	0.002	2	1276	1282	LEVEWER	47	99.352			Mascot
960.4785	960.4805	0.002	2	1276	1282	LEVEWER					Mascot
984.4243	984.4247	0.0004	0	1248	1255	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.4247	0.0004	0	1248	1255	FSWGAECK	51	99.79	Carbamidomethyl (C)[7]		Mascot
992.5015	992.4683	-0.0332	-33	626	633	LMNCKLDR					Mascot
992.5015	992.4683	-0.0332	-33	626	633	LMNCKLDR					Mascot
1369.7032	1369.7268	0.0236	17	839	849	LESMTYEQLKK					Mascot
1375.6458	1375.7407	0.0949	69	195	205	DLSHCQERIMK			Oxidation (M)[10]		Mascot
1660.7119	1660.8605	0.1486	89	1160	1175	DTSSGSAASFEQMQK			Oxidation (M)[14]		Mascot
1796.8928	1796.9141	0.0213	12	83	97	LMDPLLYEYAGTWPK					Mascot
1826.9799	1826.9823	0.0024	1	1201	1216	LLGYQLAAYFDKPTAR	135	100			Mascot
1826.9799	1826.9823	0.0024	1	1201	1216	LLGYQLAAYFDKPTAR					Mascot
1958.0189	1958.0229	0.004	2	1312	1329	ATNSEKEIELTAALPSQR					Mascot
1958.0189	1958.0229	0.004	2	1312	1329	ATNSEKEIELTAALPSQR	149	100			Mascot
2233.2009	2233.0769	-0.124	-56	604	625	SLTRITAPDMAYVAGAAAN VAIK					Mascot

11 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733734 149808.5 8.83 11 394 100 382 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4489	0.0032	4	1245	1251	QYAVFAK					Mascot
960.4785	960.4805	0.002	2	1265	1271	LEVEWER	47	99.352			Mascot
960.4785	960.4805	0.002	2	1265	1271	LEVEWER					Mascot
984.4243	984.4247	0.0004	0	1237	1244	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.4247	0.0004	0	1237	1244	FSWGAECK	51	99.79	Carbamidomethyl (C)[7]		Mascot
992.5015	992.4683	-0.0332	-33	619	626	LMNCKLDR					Mascot
992.5015	992.4683	-0.0332	-33	619	626	LMNCKLDR					Mascot
1369.7032	1369.7268	0.0236	17	832	842	LESMTYEQLKK					Mascot
1375.6458	1375.7407	0.0949	69	188	198	DLSHCQERIMK			Oxidation (M)[10]		Mascot
1660.7119	1660.8605	0.1486	89	1149	1164	DTSSGSAAASFEQMQK			Oxidation (M)[14]		Mascot
1796.8928	1796.9141	0.0213	12	76	90	LMDPLLYEYAGTWPK					Mascot
1826.9799	1826.9823	0.0024	1	1190	1205	LLGYQLAAYFDKPTAR	135	100			Mascot
1826.9799	1826.9823	0.0024	1	1190	1205	LLGYQLAAYFDKPTAR					Mascot
1958.0189	1958.0229	0.004	2	1301	1318	ATNSEKEIELTAALPSQR					Mascot
1958.0189	1958.0229	0.004	2	1301	1318	ATNSEKEIELTAALPSQR	149	100			Mascot
2233.2009	2233.0769	-0.124	-56	597	618	SLTRITAPDMAYVAGAAN VAIK					Mascot

12 Vtg5 protein [Danio rerio] gi|148744685 27543.3 9.2 8 272 100 233 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4489	0.0032	4	124	130	QYAVFAK					Mascot
960.4785	960.4805	0.002	2	144	150	LEVEWER	47	99.352			Mascot
960.4785	960.4805	0.002	2	144	150	LEVEWER					Mascot
984.4243	984.4247	0.0004	0	116	123	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.4247	0.0004	0	116	123	FSWGAECK	51	99.79	Carbamidomethyl (C)[7]		Mascot
1369.6569	1369.7268	0.0699	51	112	123	VTGKFSWGAECK			Carbamidomethyl (C)[11]		Mascot
1376.7069	1376.7115	0.0046	3	165	176	HILNAAAYNTGFR					Mascot
1660.7119	1660.8605	0.1486	89	28	43	DTSSGSAAASFEQMQK			Oxidation (M)[14]		Mascot
1763.901	1763.8062	-0.0948	-54	162	176	VCKHILNAAAYNTGFR			Carbamidomethyl (C)[2]		Mascot
1826.9799	1826.9823	0.0024	1	69	84	LLGYQLAAYFDKPTAR	135	100			Mascot
1826.9799	1826.9823	0.0024	1	69	84	LLGYQLAAYFDKPTAR					Mascot

13 Vtg6 protein [Danio rerio] gi|157422885 27937.4 9.18 6 271 100 247 100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification	Rank	Result Type	
	826.4457	826.4489	0.0032	4	129	135 QYAVFAK						Mascot	
	913.423	913.4518	0.0288	32	1	8 MSSSRMSK						Mascot	
	960.4785	960.4805	0.002	2	149	155 LEVEWER		47	99.352			Mascot	
	960.4785	960.4805	0.002	2	149	155 LEVEWER						Mascot	
	984.4243	984.4247	0.0004	0	121	128 FSWGAECK				Carbamidomethyl (C)[7]		Mascot	
	984.4243	984.4247	0.0004	0	121	128 FSWGAECK		51	99.79	Carbamidomethyl (C)[7]		Mascot	
	1660.7119	1660.8605	0.1486	89	33	48 DTSSGSAASFEQMQR				Oxidation (M)[14]		Mascot	
	1958.0189	1958.0229	0.004	2	185	202 ATNSEKEIELTAALPSQR						Mascot	
	1958.0189	1958.0229	0.004	2	185	202 ATNSEKEIELTAALPSQR		149	100			Mascot	
14	Zgc:136383 [Danio rerio]				gi 92097636		28809.9	9.33	6	256	100	233	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification	Rank	Result Type	
	826.4457	826.4489	0.0032	4	136	142 QYAVFAK						Mascot	
	960.4785	960.4805	0.002	2	156	162 LEVEWER		47	99.352			Mascot	
	960.4785	960.4805	0.002	2	156	162 LEVEWER						Mascot	
	984.4243	984.4247	0.0004	0	128	135 FSWGAECK				Carbamidomethyl (C)[7]		Mascot	
	984.4243	984.4247	0.0004	0	128	135 FSWGAECK		51	99.79	Carbamidomethyl (C)[7]		Mascot	
	1118.5986	1118.6837	0.0851	76	217	225 IPEITMSRR				Oxidation (M)[6]		Mascot	
	1118.5986	1118.6837	0.0851	76	217	225 IPEITMSRR				Oxidation (M)[6]		Mascot	
	1660.7703	1660.8605	0.0902	54	1	15 MLPLSSSMSSSRMSK				Oxidation (M)[1,8]		Mascot	
	1676.7653	1676.8582	0.0929	55	1	15 MLPLSSSMSSSRMSK				Oxidation (M)[1,8,13]		Mascot	
	1826.9799	1826.9823	0.0024	1	81	96 LLGYQLAAYFDKPTAR		135	100			Mascot	
	1826.9799	1826.9823	0.0024	1	81	96 LLGYQLAAYFDKPTAR						Mascot	
15	vitellogenin 5 [Danio rerio]				gi 57864785		72820.8	9	9	253	100	233	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	826.4457	826.4489	0.0032	4	544	550 QYAVFAK					Mascot
	960.4785	960.4805	0.002	2	564	570 LEVEWER	47	99.352			Mascot
	960.4785	960.4805	0.002	2	564	570 LEVEWER					Mascot
	984.4243	984.4247	0.0004	0	536	543 FSWGAECK			Carbamidomethyl (C)[7]		Mascot
	984.4243	984.4247	0.0004	0	536	543 FSWGAECK	51	99.79	Carbamidomethyl (C)[7]		Mascot

1069.5021	1069.5614	0.0593	55	230	238	NIENHSAER											Mascot
1369.7032	1369.7268	0.0236	17	137	147	LESMTYEQLKK											Mascot
1376.7069	1376.7115	0.0046	3	585	596	HILNAAYNTGFR											Mascot
1660.7119	1660.8605	0.1486	89	448	463	DTSSGSAAASFEQMQK						Oxidation (M)[14]					Mascot
1763.901	1763.8062	-0.0948	-54	582	596	VCKHILNAAYNTGFR						Carbamidomethyl (C)[2]					Mascot
1826.9799	1826.9823	0.0024	1	489	504	LLGYQLAAYFDKPTAR		135	100								Mascot
1826.9799	1826.9823	0.0024	1	489	504	LLGYQLAAYFDKPTAR											Mascot

16 vitellogenin 4 [Danio rerio] gi|57864783 31189.9 9.48 6 253 100 233 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
826.4457	826.4489	0.0032	4	162	168	QYAVFAK							Mascot
960.4785	960.4805	0.002	2	182	188	LEVEWER	47	99.352					Mascot
960.4785	960.4805	0.002	2	182	188	LEVEWER							Mascot
984.4243	984.4247	0.0004	0	154	161	FSWGAECK				Carbamidomethyl (C)[7]			Mascot
984.4243	984.4247	0.0004	0	154	161	FSWGAECK	51	99.79		Carbamidomethyl (C)[7]			Mascot
1118.5986	1118.6837	0.0851	76	243	251	IPEITMSRR				Oxidation (M)[6]			Mascot
1118.5986	1118.6837	0.0851	76	243	251	IPEITMSRR				Oxidation (M)[6]			Mascot
1660.7119	1660.8605	0.1486	89	66	81	DTSSGSAAASFEQMQK				Oxidation (M)[14]			Mascot
1826.9799	1826.9823	0.0024	1	107	122	LLGYQLAAYFDKPTAR	135	100					Mascot
1826.9799	1826.9823	0.0024	1	107	122	LLGYQLAAYFDKPTAR							Mascot

17 Zgc:136383 protein [Danio rerio] gi|159155252 123957.1 8.78 11 252 100 233 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
808.3406	808.4616	0.121	150	54	59	ADYMHR				Oxidation (M)[4]			Mascot
826.4457	826.4489	0.0032	4	1013	1019	QYAVFAK							Mascot
960.4785	960.4805	0.002	2	1033	1039	LEVEWER	47	99.352					Mascot
960.4785	960.4805	0.002	2	1033	1039	LEVEWER							Mascot
984.4243	984.4247	0.0004	0	1005	1012	FSWGAECK				Carbamidomethyl (C)[7]			Mascot
984.4243	984.4247	0.0004	0	1005	1012	FSWGAECK	51	99.79		Carbamidomethyl (C)[7]			Mascot
992.5015	992.4683	-0.0332	-33	392	399	LMNCKLDR							Mascot
992.5015	992.4683	-0.0332	-33	392	399	LMNCKLDR							Mascot
1118.5986	1118.6837	0.0851	76	1094	1102	IPEITMSRR				Oxidation (M)[6]			Mascot
1118.5986	1118.6837	0.0851	76	1094	1102	IPEITMSRR				Oxidation (M)[6]			Mascot

	1369.7032	1369.7268	0.0236	17	605	615	LESMTYEQLKK												Mascot
	1382.7889	1382.7812	-0.0077	-6	80	92	ISDAPAQIVEVLK												Mascot
	1382.7889	1382.7812	-0.0077	-6	80	92	ISDAPAQIVEVLK												Mascot
	1660.7119	1660.8605	0.1486	89	917	932	DTSSGSAASFEQMQK										Oxidation (M)[14]		Mascot
	1826.9799	1826.9823	0.0024	1	958	973	LLGYQLAAYFDKPTAR		135		100								Mascot
	1826.9799	1826.9823	0.0024	1	958	973	LLGYQLAAYFDKPTAR												Mascot
	2233.2009	2233.0769	-0.124	-56	370	391	SLTRITAPDMAYVAGAAN VAIK												Mascot
18	Zgc:136383 protein [Danio rerio]					gi 125857991	148644.2	8.93	13	248	100	233	100						

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
808.3406	808.4616	0.121	150	276	281	ADYMHHR			Oxidation (M)[4]		Mascot
826.4457	826.4489	0.0032	4	1235	1241	QYAVFAK					Mascot
960.4785	960.4805	0.002	2	1255	1261	LEVEWER	47	99.352			Mascot
960.4785	960.4805	0.002	2	1255	1261	LEVEWER					Mascot
984.4243	984.4247	0.0004	0	1227	1234	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.4247	0.0004	0	1227	1234	FSWGAECK	51	99.79	Carbamidomethyl (C)[7]		Mascot
992.5015	992.4683	-0.0332	-33	614	621	LMNCKLDR					Mascot
992.5015	992.4683	-0.0332	-33	614	621	LMNCKLDR					Mascot
1118.5986	1118.6837	0.0851	76	1316	1324	IPEITMSRR			Oxidation (M)[6]		Mascot
1118.5986	1118.6837	0.0851	76	1316	1324	IPEITMSRR			Oxidation (M)[6]		Mascot
1369.7032	1369.7268	0.0236	17	827	837	LESMTYEQLKK					Mascot
1375.6458	1375.7407	0.0949	69	183	193	DLSHCQERIMK			Oxidation (M)[10]		Mascot
1382.7889	1382.7812	-0.0077	-6	302	314	ISDAPAQIVEVLK					Mascot
1382.7889	1382.7812	-0.0077	-6	302	314	ISDAPAQIVEVLK					Mascot
1660.7119	1660.8605	0.1486	89	1139	1154	DTSSGSAAASFEQMQK			Oxidation (M)[14]		Mascot
1796.8928	1796.9141	0.0213	12	71	85	LMDPLLYEYAGTWPK					Mascot
1826.9799	1826.9823	0.0024	1	1180	1195	LLGYQLAAYFDKPTAR	135	100			Mascot
1826.9799	1826.9823	0.0024	1	1180	1195	LLGYQLAAYFDKPTAR					Mascot
2233.2009	2233.0769	-0.124	-56	592	613	SLTRITAPDMAYVAGAAAN VAIK					Mascot

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	1826.9799	1826.9823	0.0024	1	1183	1198	LLGYQLAAYFDKPTAR	135	100					Mascot
	1826.9799	1826.9823	0.0024	1	1183	1198	LLGYQLAAYFDKPTAR							Mascot
	1840.8938	1840.9474	0.0536	29	72	86	LMDPLLYEYAGTWPR			Oxidation (M)[2]				Mascot
	2362.1926	2362.188	-0.0046	-2	597	619	ITAPDMASVAGAANVAIK LMNCK			Carbamidomethyl (C)[22], Oxidation (M)[6]				Mascot
21	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]						gi 94733731	149169.2	8.84	12	244	100	233	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	826.4457	826.4489	0.0032	4	1240	1246	QYAVFAK						Mascot
	960.4785	960.4805	0.002	2	1260	1266	LEVEWER	47	99.352				Mascot
	960.4785	960.4805	0.002	2	1260	1266	LEVEWER						Mascot
	984.4243	984.4247	0.0004	0	1232	1239	FSWGAECK				Carbamidomethyl (C)[7]		Mascot
	984.4243	984.4247	0.0004	0	1232	1239	FSWGAECK	51	99.79		Carbamidomethyl (C)[7]		Mascot
	992.5015	992.4683	-0.0332	-33	619	626	LMNCKLDR						Mascot
	992.5015	992.4683	-0.0332	-33	619	626	LMNCKLDR						Mascot
	1369.7032	1369.7268	0.0236	17	832	842	LESMTYEQLKK						Mascot
	1375.6458	1375.7407	0.0949	69	188	198	DLSHCQERIMK				Oxidation (M)[10]		Mascot
	1376.7069	1376.7115	0.0046	3	1281	1292	HILNAAYNTGFR						Mascot
	1660.7119	1660.8605	0.1486	89	1144	1159	DTSSGSAAASFEQMQK				Oxidation (M)[14]		Mascot
	1763.901	1763.8062	-0.0948	-54	1278	1292	VCKHILNAAYNTGFR				Carbamidomethyl (C)[2]		Mascot
	1824.8989	1824.9679	0.069	38	76	90	LMDPLLYEYAGTWPR						Mascot
	1826.9799	1826.9823	0.0024	1	1185	1200	LLGYQLAAYFDKPTAR	135	100				Mascot
	1826.9799	1826.9823	0.0024	1	1185	1200	LLGYQLAAYFDKPTAR						Mascot
	1840.8938	1840.9474	0.0536	29	76	90	LMDPLLYEYAGTWPR				Oxidation (M)[2]		Mascot
	2362.1926	2362.188	-0.0046	-2	601	623	ITAPDMASVAGAANVAIK LMNCK				Carbamidomethyl (C)[22], Oxidation (M)[6]		Mascot

22	PREDICTED: serine/threonine-protein kinase pim-3-like [Danio rerio]						gi 326675215	23705.1	8.34	5	57	91.323	35	91.151
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	991.4843	991.465	-0.0193	-19	120	127	LQEGEPYR						Mascot
	1211.6531	1211.7159	0.0628	52	110	119	SPYLGVTRYR						Mascot
	1287.7015	1287.673	-0.0285	-22	44	55	KNNGLLSESVAR	35	91.151				Mascot
	1287.7015	1287.673	-0.0285	-22	44	55	KNNGLLSESVAR						Mascot
	1347.7015	1347.7352	0.0337	25	120	130	LQEGEPYRSIR						Mascot

1364.7419	1364.6995	-0.0424	-31	184	195	TGPVLEEIIIEHK	Mascot
1364.7419	1364.6995	-0.0424	-31	184	195	TGPVLEEIIIEHK	Mascot

23 heat shock protein 25 [Danio rerio] gi|52078122 22344.1 6.52 8 52 70.598

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
911.4006	911.4038	0.0032	4	21	27	DWYQGSR					Mascot
913.46	913.4518	-0.0082	-9	6	12	IPFSFMR			Oxidation (M)[6]		Mascot
960.4533	960.4805	0.0272	28	136	143	DEHGFISR					Mascot
960.4533	960.4805	0.0272	28	136	143	DEHGFISR					Mascot
1069.5612	1069.5614	0.0002	0	5	12	RIPFSFMR			Oxidation (M)[7]		Mascot
1088.5483	1088.549	0.0007	1	135	143	KDEHGFISR					Mascot
1840.944	1840.9474	0.0034	2	104	119	ISLDVNHFSPEELNVK					Mascot
1883.8804	1883.8453	-0.0351	-19	87	103	QLSSGMSEVKQTGDSW K			Oxidation (M)[6]		Mascot
1899.921	1899.8562	-0.0648	-34	6	20	IPFSFMRTPSWDPFR			Oxidation (M)[6]		Mascot

24 25 kDa heat shock protein [Danio rerio] gi|56554759 22360 6.52 8 52 69.914

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
911.4006	911.4038	0.0032	4	21	27	DWYQGSR					Mascot
913.46	913.4518	-0.0082	-9	6	12	IPFSFMR			Oxidation (M)[6]		Mascot
960.4533	960.4805	0.0272	28	136	143	DEHGFISR					Mascot
960.4533	960.4805	0.0272	28	136	143	DEHGFISR					Mascot
991.4631	991.465	0.0019	2	13	20	SPSWDPFR					Mascot
1069.5612	1069.5614	0.0002	0	5	12	RIPFSFMR			Oxidation (M)[7]		Mascot
1088.5483	1088.549	0.0007	1	135	143	KDEHGFISR					Mascot
1840.944	1840.9474	0.0034	2	104	119	ISLDVNHFSPEELNVK					Mascot
1883.8459	1883.8453	-0.0006	0	13	27	SPSWDPFRDWYQGSR					Mascot

25 Hook homolog 1 [Danio rerio] gi|190339684 83123.4 5.24 12 51 66.243 33 86.576

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
809.3458	809.4243	0.0785	97	587	592	KDEDMR			Oxidation (M)[5]		Mascot
842.5458	842.5125	-0.0333	-40	636	642	KIIALER					Mascot

	960.4996	960.4805	-0.0191	-20	323	330	LEDLSDLR	33	86.576		Mascot	
	960.4996	960.4805	-0.0191	-20	323	330	LEDLSDLR				Mascot	
	976.488	976.4746	-0.0134	-14	643	650	ECEQAKLR				Mascot	
	992.5081	992.4683	-0.0398	-40	332	339	QMKALEEK		Oxidation (M)[2]		Mascot	
	992.5081	992.4683	-0.0398	-40	332	339	QMKALEEK		Oxidation (M)[2]		Mascot	
	1088.5946	1088.549	-0.0456	-42	322	330	KLEDLSDLR				Mascot	
	1165.5956	1165.7485	0.1529	131	577	586	MDELMAALKK		Oxidation (M)[1]		Mascot	
	1363.6335	1363.7062	0.0727	53	282	293	NDELTSLAEESR				Mascot	
	1364.6614	1364.6995	0.0381	28	177	188	ALEDLTEVMAEK		Oxidation (M)[9]		Mascot	
	1364.6614	1364.6995	0.0381	28	177	188	ALEDLTEVMAEK		Oxidation (M)[9]		Mascot	
	1375.6812	1375.7407	0.0595	43	414	424	DTLRETNEELR				Mascot	
	1825.0006	1824.9679	-0.0327	-18	656	670	LIVTAWYNKSLNFQK				Mascot	
	2000.9415	2001.0725	0.131	65	542	558	LDAHMQVLNEAQDEIMK		Oxidation (M)[5]		Mascot	
26	protein Hook homolog 1 [Danio rerio]				gi 113676708	83063.4	5.24	12	50	60.338	33	86.576

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
809.3458	809.4243	0.0785	97	587	592	KDEDMR			Oxidation (M)[5]		Mascot
842.5458	842.5125	-0.0333	-40	636	642	KIALER					Mascot
960.4996	960.4805	-0.0191	-20	323	330	LEDLSDLR	33	86.576			Mascot
960.4996	960.4805	-0.0191	-20	323	330	LEDLSDLR					Mascot
976.488	976.4746	-0.0134	-14	643	650	ECEQAKLR					Mascot
992.5081	992.4683	-0.0398	-40	332	339	QMKALEEK			Oxidation (M)[2]		Mascot
992.5081	992.4683	-0.0398	-40	332	339	QMKALEEK			Oxidation (M)[2]		Mascot
1088.5946	1088.549	-0.0456	-42	322	330	KLEDLSDLR					Mascot
1165.5956	1165.7485	0.1529	131	577	586	MDELMAALKK			Oxidation (M)[1]		Mascot
1363.6335	1363.7062	0.0727	53	282	293	NDELTSLAEESR					Mascot
1364.6614	1364.6995	0.0381	28	177	188	ALEDLTEVMAEK			Oxidation (M)[9]		Mascot
1364.6614	1364.6995	0.0381	28	177	188	ALEDLTEVMAEK			Oxidation (M)[9]		Mascot
1375.6812	1375.7407	0.0595	43	414	424	DTLRETNEELR					Mascot
1825.0006	1824.9679	-0.0327	-18	656	670	LIVTAWYNKSLNFQK					Mascot
2000.9415	2001.0725	0.131	65	542	558	LDAHMQVLNEAQDEIMK			Oxidation (M)[5]		Mascot

27 novel protein similar to human titin (TTN) [Danio rerio] gi|94732358 2437518.2 5.95 61 45 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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			Seq.	Seq.	Score		
808.4423	808.4616	0.0193	24	6027	6033	VPRHDGK	Mascot
809.4515	809.4243	-0.0272	-34	1956	1961	TEYRLK	Mascot
826.4669	826.4489	-0.018	-22	21022	21028	LTSYKSK	Mascot
842.4478	842.5125	0.0647	77	14643	14649	RDLPEGR	Mascot
882.4791	882.5686	0.0895	101	7328	7334	KEEHAIR	Mascot
911.4846	911.4038	-0.0808	-89	10200	10206	NSIVWHR	Mascot
913.4447	913.4518	0.0071	8	8243	8249	EFKMSQK	Mascot
960.4632	960.4805	0.0173	18	957	965	DGNEITPSK	Mascot
960.4996	960.4805	-0.0191	-20	8299	8306	LDEILSDR	Mascot
976.5648	976.4746	-0.0902	-92	18486	18493	WMKVATLK	Mascot
982.4774	982.4593	-0.0181	-18	19660	19666	NYCLEKR	Mascot
984.4818	984.4247	-0.0571	-58	15718	15725	ITGYMVER	Mascot
984.4818	984.4247	-0.0571	-58	15718	15725	ITGYMVER	Mascot
991.4955	991.465	-0.0305	-31	6275	6283	VAAENQFGR	Mascot
992.4294	992.4683	0.0389	39	2060	2066	DNMYFFR	Mascot
992.4294	992.4683	0.0389	39	2060	2066	DNMYFFR	Mascot
998.4359	998.4405	0.0046	5	20573	20581	FGDDSCKAR	Mascot
1016.5047	1016.4159	-0.0888	-87	2091	2099	FDVPDAPQK	Mascot
1069.5887	1069.5614	-0.0273	-26	3472	3480	NPVIEEQK	Mascot
1088.5371	1088.549	0.0119	11	18012	18020	YALQYSSTR	Mascot
1118.6681	1118.6837	0.0156	14	2025	2033	ILAYVVERR	Mascot
1118.6681	1118.6837	0.0156	14	2025	2033	ILAYVVERR	Mascot
1165.6324	1165.7485	0.1161	100	5141	5149	ITNYTIERR	Mascot
1211.7106	1211.7159	0.0053	4	5565	5575	QNAVNNLVLK	Mascot
1287.6328	1287.673	0.0402	31	7033	7042	KPKEADEWER	Mascot
1287.7089	1287.673	-0.0359	-28	11103	11113	ELNLVIKEACR	Mascot
1308.6464	1308.7278	0.0814	62	21769	21780	DNAVISITSNMK	Mascot
1309.6854	1309.6619	-0.0235	-18	5761	5772	NTLTTMCLGIVK	Mascot
1313.8038	1313.7499	-0.0539	-41	14716	14727	DVVLKSGEILK	Mascot
1325.7358	1325.76	0.0242	18	5424	5435	EKMVIHAGGVIR	Mascot
1325.7358	1325.76	0.0242	18	5424	5435	EKMVIHAGGVIR	Mascot
1347.705	1347.7352	0.0302	22	3670	3681	GETALMVRDAIR	Mascot
1363.6787	1363.7062	0.0275	20	1861	1871	YQMISEGKVHR	Mascot
1364.6804	1364.6995	0.0191	14	759	769	DEARFEIELSR	Mascot
1364.6804	1364.6995	0.0191	14	759	769	DEARFEIELSR	Mascot

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
808.4423	808.4616	0.0193	24	6105	6111 VPRHDGK				Mascot
809.4515	809.4243	-0.0272	-34	2034	2039 TEYRLK				Mascot
826.4669	826.4489	-0.018	-22	21194	21200 LTSYKSK				Mascot
842.4478	842.5125	0.0647	77	14721	14727 RDLPEGR				Mascot
882.4791	882.5686	0.0895	101	7406	7412 KEEHAIR				Mascot
911.4846	911.4038	-0.0808	-89	10278	10284 NSIVWHR				Mascot
913.4447	913.4518	0.0071	8	8321	8327 EFKMSQK		Oxidation (M)[4]		Mascot
960.4996	960.4805	-0.0191	-20	8377	8384 LDEILSDR	20	0		Mascot
960.4996	960.4805	-0.0191	-20	8377	8384 LDEILSDR				Mascot
976.5648	976.4746	-0.0902	-92	18658	18665 WMKVATLK				Mascot
982.4774	982.4593	-0.0181	-18	19832	19838 NYCLEKR		Carbamidomethyl (C)[3]		Mascot
984.4818	984.4247	-0.0571	-58	15796	15803 ITGYMVER		Oxidation (M)[5]		Mascot
984.4818	984.4247	-0.0571	-58	15796	15803 ITGYMVER		Oxidation (M)[5]		Mascot
991.4955	991.465	-0.0305	-31	6353	6361 VAAENQFGR				Mascot
992.4294	992.4683	0.0389	39	2138	2144 DNMYFFR				Mascot
992.4294	992.4683	0.0389	39	2138	2144 DNMYFFR				Mascot
998.4359	998.4405	0.0046	5	20745	20753 FGDDSCAR				Mascot
1016.5047	1016.4159	-0.0888	-87	2169	2177 FDVPDAPQK				Mascot
1069.5887	1069.5614	-0.0273	-26	3550	3558 NPVIEEQK				Mascot
1088.5371	1088.549	0.0119	11	18090	18098 YALQYSSTR				Mascot
1118.6681	1118.6837	0.0156	14	2103	2111 ILAYVVERR				Mascot
1118.6681	1118.6837	0.0156	14	2103	2111 ILAYVVERR				Mascot
1165.6324	1165.7485	0.1161	100	5219	5227 ITNYTIERR				Mascot
1211.7106	1211.7159	0.0053	4	5643	5653 QNAVNNLVLK				Mascot
1287.6328	1287.673	0.0402	31	7111	7120 KPKEADEWER				Mascot
1287.7089	1287.673	-0.0359	-28	11181	11191 ELNLVIKEACR				Mascot
1308.6464	1308.7278	0.0814	62	21941	21952 DNAVISITSNMK		Oxidation (M)[11]		Mascot
1309.6854	1309.6619	-0.0235	-18	5839	5850 NTLTTMCLGIVK		Oxidation (M)[6]		Mascot
1313.8038	1313.7499	-0.0539	-41	14794	14805 DVVLIKSGEILK				Mascot
1325.7358	1325.76	0.0242	18	5502	5513 EKMVIHAGGVIR		Oxidation (M)[3]		Mascot
1325.7358	1325.76	0.0242	18	5502	5513 EKMVIHAGGVIR		Oxidation (M)[3]		Mascot
1347.705	1347.7352	0.0302	22	3748	3759 GETALMVRDAIR		Oxidation (M)[6]		Mascot
1363.6787	1363.7062	0.0275	20	1939	1949 YQMISEGKVHR		Oxidation (M)[3]		Mascot

1364.6804	1364.6995	0.0191	14	837	847	DEARFEIELSR		Mascot
1364.6804	1364.6995	0.0191	14	837	847	DEARFEIELSR		Mascot
1369.7111	1369.7268	0.0157	11	3858	3868	EYIFRVTAENK		Mascot
1375.7579	1375.7407	-0.0172	-13	17627	17638	EAFSSVIIKEPR		Mascot
1382.7678	1382.7812	0.0134	10	5201	5212	AEQITLSWLPPK		Mascot
1382.7678	1382.7812	0.0134	10	5201	5212	AEQITLSWLPPK		Mascot
1386.6747	1386.6804	0.0057	4	21465	21476	IEETTETAVHEK		Mascot
1545.74	1545.7358	-0.0042	-3	14779	14791	DNVDPPRIMMDVK	Oxidation (M)[9]	Mascot
1584.8744	1584.8798	0.0054	3	2705	2717	WTKADLVLKPEER		Mascot
1660.8574	1660.8605	0.0031	2	5143	5157	LVADDSCLLIQQK	Carbamidomethyl (C)[7]	Mascot
1676.8602	1676.8582	-0.002	-1	17490	17504	TWTEAAPKSTQTSR		Mascot
1763.7979	1763.8062	0.0083	5	18889	18903	YGTGEYLQSEVVMCK	Carbamidomethyl (C)[14]	Mascot
1796.9429	1796.9141	-0.0288	-16	13128	13144	DSVTLVWEPLIDGAK		Mascot
1809.0017	1808.9633	-0.0384	-21	14806	14822	INADIAGRPLPVASWTK		Mascot
1824.949	1824.9679	0.0189	10	10504	10521	KDGGFILTATNVGGFAK		Mascot
1825.8749	1825.9609	0.086	47	5923	5938	DVNRDMWTTVTSATTK		Mascot
1826.8412	1826.9823	0.1411	77	5927	5942	DMWTTVTSATTKTHCK	Oxidation (M)[2]	Mascot
1826.9622	1826.9823	0.0201	11	7030	7044	LVKAPLVQNCEYFFR		Mascot
1840.944	1840.9474	0.0034	2	3897	3913	IGEVTSSTVALSWHEPK		Mascot
1848.9702	1848.9592	-0.011	-6	10177	10192	ETTSQSWVELSLIIR		Mascot
1864.9188	1864.9285	0.0097	5	15386	15402	NSITIAWSKPEFDGGSR		Mascot
1870.9268	1870.942	0.0152	8	6832	6847	FCAFRVPGLNEGIEYR		Mascot
1883.8627	1883.8453	-0.0174	-9	5927	5942	DMWTTVTSATTKTHCK	Carbamidomethyl (C)[15], Oxidation (M)[2]	Mascot
1899.9116	1899.8562	-0.0554	-29	15755	15772	TSEEVLAIDACDPPANVR		Mascot
1957.9601	1958.0229	0.0628	32	11983	12000	ESAQIETSSSYTSLVIDK		Mascot
1957.9601	1958.0229	0.0628	32	11983	12000	ESAQIETSSSYTSLVIDK		Mascot
2001.0188	2001.0725	0.0537	27	13615	13631	DHIKIQWTKPQYDGGSK		Mascot
2060.0447	2060.1394	0.0947	46	17955	17973	WSVPLNDGGSPITGYIVER		Mascot
2076.1123	2076.1316	0.0193	9	12812	12830	DPFIHPGSPQIIEVTNIAK		Mascot
2178.144	2178.2019	0.0579	27	3160	3179	DTFTTPGPPYALTVEVS KR		Mascot
2211.1147	2211.1074	-0.0073	-3	16008	16026	VVWSVISEAMESRMVTV QK	Oxidation (M)[10, 14]	Mascot
2233.0076	2233.0769	0.0693	31	13973	13992	VSAENETGVGECSDL FYR	Carbamidomethyl (C)[12]	Mascot
2283.0269	2283.1848	0.1579	69	1508	1528	MDDAGEYHCKLPASETT GTLK	Oxidation (M)[1]	Mascot
2284.0583	2284.1743	0.116	51	9306	9326	ANTVNNVIDCAYTVADLQE GCK	Carbamidomethyl (C)[9]	Mascot
2362.1165	2362.188	0.0715	30	18883	18903	VAAANRYGTGEYLQSEV	Carbamidomethyl (C)[20], Oxidation (M)[19]	Mascot

	3338.5608	3338.7483	0.1875	56	15320	15347	VMCK AWVCVSSNCHSLTYKVE DLQEGAIYYFR					Carbamidomethyl (C)[4]	Mascot
29	PREDICTED: transposon TX1 uncharacterized 149 kDa gi 326664779 protein-like, partial [Danio rerio]												
							131029.7	9.39	18	43	0		

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
809.3973	809.4243	0.027	33	179	184	LVDCFR				Carbamidomethyl (C)[4]		Mascot	
882.4468	882.5686	0.1218	138	50	55	YTKWER						Mascot	
911.379	911.4038	0.0248	27	369	375	CTCYFFK						Mascot	
960.522	960.4805	-0.0415	-43	88	96	GSTVIRDGR						Mascot	
960.522	960.4805	-0.0415	-43	88	96	GSTVIRDGR						Mascot	
991.4989	991.465	-0.0339	-34	882	890	ENKTAAMAR						Mascot	
1088.5371	1088.549	0.0119	11	770	778	ENWNDILGK						Mascot	
1211.5514	1211.7159	0.1645	136	709	718	AMDLDWFGR						Mascot	
1309.7046	1309.6619	-0.0427	-33	1110	1120	RMIATTLQGYR						Mascot	
1325.6995	1325.76	0.0605	46	1110	1120	RMIATTLQGYR				Oxidation (M)[2]		Mascot	
1325.6995	1325.76	0.0605	46	1110	1120	RMIATTLQGYR				Oxidation (M)[2]		Mascot	
1375.6899	1375.7407	0.0508	37	179	189	LVDCFRTHQR						Mascot	
1376.826	1376.7115	-0.1145	-83	22	33	AQSILSLLKTFR						Mascot	
1472.7644	1472.8101	0.0457	31	1039	1051	TGPLYHQYLPAGR						Mascot	
1660.8087	1660.8605	0.0518	31	885	898	TAAMARFWMGSYLR						Mascot	
1676.8036	1676.8582	0.0546	33	885	898	TAAMARFWMGSYLR				Oxidation (M)[4]		Mascot	
1796.9014	1796.9141	0.0127	7	1024	1038	HLLWECGAARDLWAR						Mascot	
1826.9357	1826.9823	0.0466	26	436	451	NCAVLSQDFTVLEIFK						Mascot	
1827.0026	1826.9823	-0.0203	-11	609	624	MGFPGKFIWVGLLYK						Mascot	
1883.9572	1883.8453	-0.1119	-59	436	451	NCAVLSQDFTVLEIFK				Carbamidomethyl (C)[2]		Mascot	
1899.9534	1899.8562	-0.0972	-51	1052	1068	AQMDYHLFIHGVGGQGVK						Mascot	
2225.051	2225.1199	0.0689	31	541	560	MSMVLEDVIHPDQACAV PGR				Carbamidomethyl (C)[15]		Mascot	
2705.314	2705.1614	-0.1526	-56	729	751	SEAQLFGPWDNIQPEGL DMVFRR						Mascot	

30	PREDICTED: hypothetical protein LOC797378 [Danio rerio]													
							292622805	72531.1	6.46	4	43	0	35	91.151

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
882.4501	882.5686	0.1185	134	1	7	MSTRPFK				Oxidation (M)[1]		Mascot	

	1287.7015	1287.673	-0.0285	-22	566	577	KNNGLLSESVAR	35	91.151			Mascot
	1287.7015	1287.673	-0.0285	-22	566	577	KNNGLLSESVAR					Mascot
	2177.9326	2178.2019	0.2693	124	102	119	VSEMENTRDTEMTSFQE K			Oxidation (M)[4]		Mascot
	2224.9221	2225.1199	0.1978	89	51	68	LSEMENTRDTEMTSYEE K			Oxidation (M)[4,12]		Mascot
31	PREDICTED: hypothetical protein LOC796277 [Danio rerio]				gi 292622807	79431.9	5.54	4	42	0	35	91.151

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
882.4501	882.5686	0.1185	134	1	7	MSTRPFK				Oxidation (M)[1]		Mascot
1287.7015	1287.673	-0.0285	-22	638	649	KNNGLLSESVAR	35	91.151				Mascot
1287.7015	1287.673	-0.0285	-22	638	649	KNNGLLSESVAR						Mascot
2178.0269	2178.2019	0.175	80	280	300	AAELENTRDAADTEASSS ALR						Mascot
2224.9221	2225.1199	0.1978	89	51	68	LSEMENTRDTEMTSYEE K				Oxidation (M)[4,12]		Mascot

32 iron-sulfur cluster assembly enzyme [Danio rerio] gi|54261801 17796.2 8.7 5 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
913.4447	913.4518	0.0071	8	10	18	CASSALFSK						Mascot
960.5083	960.4805	-0.0278	-29	1	9	MALAAAAWR						Mascot
960.5359	960.4805	-0.0554	-58	107	115	GKSIDALK	20	0				Mascot
976.5032	976.4746	-0.0286	-29	1	9	MALAAAAWR				Oxidation (M)[1]		Mascot
1870.9302	1870.942	0.0118	6	1	18	MALAAAAWRCASSALFS K				Oxidation (M)[1]		Mascot
2283.1545	2283.1848	0.0303	13	124	143	ELCLPPVKLHCSMLAEDA IK				Carbamidomethyl (C)[3], Oxidation (M)[13]		Mascot

33 ATPase, Ca++ transporting, cardiac muscle, fast twitch 1 like [Danio rerio] gi|117606266 108861.1 5.05 14 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
826.381	826.4489	0.0679	82	669	675	RACCFAR						Mascot
911.4944	911.4038	-0.0906	-99	676	683	VEPSHKSK						Mascot
913.4737	913.4518	-0.0219	-24	513	521	GAPEGVIDR						Mascot
960.5546	960.4805	-0.0741	-77	540	547	DKIMNVIK						Mascot

	960.5546	960.4805	-0.0741	-77	540	547	DKIMNVIK						Mascot
	976.5495	976.4746	-0.0749	-77	540	547	DKIMNVIK	Oxidation (M)[4]					Mascot
	982.4186	982.4593	0.0407	41	121	128	EYEPENMGK						Mascot
	998.4135	998.4405	0.027	27	121	128	EYEPENMGK	Oxidation (M)[6]					Mascot
	1006.5237	1006.399	-0.1247	-124	618	626	VIMITGDNK	Oxidation (M)[3]					Mascot
	1287.709	1287.673	-0.036	-28	558	569	CLALATRDSPK						Mascot
	1287.709	1287.673	-0.036	-28	558	569	CLALATRDSPK						Mascot
	1347.6296	1347.7352	0.1056	78	670	681	ACCFARVEPSHK						Mascot
	1364.7361	1364.6995	-0.0366	-27	823	833	EPLISGWLFRR						Mascot
	1364.7361	1364.6995	-0.0366	-27	823	833	EPLISGWLFRR						Mascot
	1369.627	1369.7268	0.0998	73	36	47	YGYNELPAEEGK						Mascot
	1375.725	1375.7407	0.0157	11	711	725	AEIGIAMSGTAVAK						Mascot
	1676.9159	1676.8582	-0.0577	-34	820	833	SPKEPLISGWLFRR						Mascot
	1957.9501	1958.0229	0.0728	37	636	653	IGIFSEDEDVTGKAYTGR						Mascot
	1957.9501	1958.0229	0.0728	37	636	653	IGIFSEDEDVTGKAYTGR						Mascot
	2362.073	2362.188	0.115	49	581	601	FADYETDLTFVGCVGML DPPR	Oxidation (M)[16]					Mascot
34	PREDICTED: zinc finger protein 271-like [Danio rerio]	gi 326675814	34998.3	9.18	5	41	0	33	85.305				

	1006.4952	1006.399	-0.0962	-96	71	79	GPQYGTVER										Mascot
	1309.5916	1309.6619	0.0703	54	80	90	AWCALMTEAEK										Mascot
	1325.5864	1325.76	0.1736	131	80	90	AWCALMTEAEK										Mascot
	1325.5864	1325.76	0.1736	131	80	90	AWCALMTEAEK										Mascot
	1376.7321	1376.7115	-0.0206	-15	116	127	DAYHKQIGGFK										Mascot
	1380.5736	1380.7196	0.146	106	460	470	LSEEDQGWCK										Mascot
	1382.691	1382.7812	0.0902	65	379	391	HEEAVAQTAAVEK										Mascot
	1382.691	1382.7812	0.0902	65	379	391	HEEAVAQTAAVEK										Mascot
	1660.7772	1660.8605	0.0833	50	171	185	ENSSKLDNSNPEAQK										Mascot
	1676.7665	1676.8582	0.0917	55	35	48	LCNDLMSCLHERAR										Mascot

36 WASH complex subunit strumpellin [Danio rerio] gi|41055722 133513.6 6.58 16 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
809.3392	809.4243	0.0851	105	1059	1065	SQGMACR			Carbamidomethyl (C)[6]		Mascot
960.5083	960.4805	-0.0278	-29	530	536	FLHQMIR			Oxidation (M)[5]		Mascot
960.5294	960.4805	-0.0489	-51	951	958	VGQMQLR	1	0	Oxidation (M)[4]		Mascot
982.5463	982.4593	-0.087	-89	879	886	LLCFMIVK			Oxidation (M)[5]		Mascot
1016.5444	1016.4159	-0.1285	-126	732	740	AKPSELMPK			Oxidation (M)[7]		Mascot
1069.6364	1069.5614	-0.075	-70	22	31	GNAIIAELLR					Mascot
1088.6034	1088.549	-0.0544	-50	529	536	KFLHQMIR			Oxidation (M)[6]		Mascot
1211.5396	1211.7159	0.1763	146	1105	1114	SIMEQCTSQK			Carbamidomethyl (C)[6]		Mascot
1287.6903	1287.673	-0.0173	-13	394	404	QIKDQVINDSK					Mascot
1287.6903	1287.673	-0.0173	-13	394	404	QIKDQVINDSK					Mascot
1382.7024	1382.7812	0.0788	57	940	950	IWSPYLESIMK			Oxidation (M)[10]		Mascot
1382.7024	1382.7812	0.0788	57	940	950	IWSPYLESIMK			Oxidation (M)[10]		Mascot
1676.9292	1676.8582	-0.071	-42	626	640	VLQIIPESMFTSLAK					Mascot
1763.8751	1763.8062	-0.0689	-39	1142	1156	VAEAHVPSFIFDEFRR					Mascot
1824.9054	1824.9679	0.0625	34	754	768	SFEYIQDYVSIYGLK					Mascot
1870.9116	1870.942	0.0304	16	811	826	YPSVDESATFIGRLCR			Carbamidomethyl (C)[15]		Mascot
2283.1035	2283.1848	0.0813	36	1115	1134	IPDMPSDVVGALMFLEDYVR			Oxidation (M)[4]		Mascot
2362.2368	2362.188	-0.0488	-21	1	21	MVDFLAENNLGQAILRIVSR					Mascot

37 PREDICTED: microtubule-actin cross-linking factor 1, isoforms 1/2/3/5-like [Danio rerio] gi|326674648 241937 5.5 24 40 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification				Rank	Result Type
	808.4562	808.4616	0.0054	7	1023	1028 ELYQKK							Mascot
	826.3512	826.4489	0.0977	118	27	32 ECYQQR							Mascot
	960.5472	960.4805	-0.0667	-69	206	214 DGRSTLALK	2	0					Mascot
	960.5472	960.4805	-0.0667	-69	206	214 DGRSTLALK							Mascot
	976.5574	976.4746	-0.0828	-85	1551	1558 VFQREL GK							Mascot
	991.4778	991.465	-0.0128	-13	1232	1239 MHAYTNVR							Mascot
	1006.4444	1006.399	-0.0454	-45	1972	1980 QVQCNCNPK							Mascot
	1069.5386	1069.5614	0.0228	21	1899	1907 DQDGRITHK							Mascot
	1088.6609	1088.549	-0.1119	-103	2005	2013 ILRSTLMVR							Mascot
	1211.6014	1211.7159	0.1145	95	669	678 DTEEQHLAIR							Mascot
	1308.7271	1308.7278	0.0007	1	1540	1550 DLVNNLIDKHK							Mascot
	1309.6456	1309.6619	0.0163	12	1012	1021 EQLCDLKEFK				Carbamidomethyl (C)[4]			Mascot
	1325.7939	1325.76	-0.0339	-26	800	810 WLLNLLDLAVR							Mascot
	1325.7939	1325.76	-0.0339	-26	800	810 WLLNLLDLAVR							Mascot
	1347.7128	1347.7352	0.0224	17	1981	1991 RFQVEQISANR							Mascot
	1363.7692	1363.7062	-0.063	-46	633	644 ESIAEHKPLIAR							Mascot
	1364.6917	1364.6995	0.0078	6	106	117 SPLSQYGSVDRR							Mascot
	1364.6917	1364.6995	0.0078	6	105	116 RSPLSQYGSVDR							Mascot
	1382.6919	1382.7812	0.0893	65	1448	1458 SKRPMYEACLK				Carbamidomethyl (C)[9]			Mascot
	1382.6919	1382.7812	0.0893	65	1448	1458 SKRPMYEACLK				Carbamidomethyl (C)[9]			Mascot
	1386.6504	1386.6804	0.03	22	387	397 LQQCAHELM EK				Carbamidomethyl (C)[4]			Mascot
	1584.7573	1584.8798	0.1225	77	1525	1539 AEPQLAEDVPVCGEK							Mascot
	1676.8563	1676.8582	0.0019	1	1734	1748 ILDWICAAEDSLSLK							Mascot
	1840.9333	1840.9474	0.0141	8	355	371 SAERAMLHLQEATGQAK							Mascot
	1957.947	1958.0229	0.0759	39	381	397 SADLGKLQQCAHELM EK				Carbamidomethyl (C)[10]			Mascot
	1957.947	1958.0229	0.0759	39	381	397 SADLGKLQQCAHELM EK				Carbamidomethyl (C)[10]			Mascot
	2001.0498	2001.0725	0.0227	11	1424	1440 EIAVSQEEIKQLTEQK							Mascot
	2076.1375	2076.1316	-0.0059	-3	1636	1653 VLKYGVLP EEE EALLAFR							Mascot

38 PREDICTED: microtubule-actin cross-linking factor 1, gi|326676746 611122.1 5.33 28 39 0 22 0
isoforms 1/2/3/5 [Danio rerio]

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification				Rank	Result Type
	808.3658	808.4616	0.0958	119	4667	4673 WDTVCGK							Mascot

882.4427	882.5686	0.1259	143	3953	3959	EQLAEHR						Mascot
913.4196	913.4518	0.0322	35	817	823	RQYTC DK						Mascot
960.4744	960.4805	0.0061	6	2222	2229	LESNVNER	22	0				Mascot
960.4744	960.4805	0.0061	6	2222	2229	LESNVNER						Mascot
976.5421	976.4746	-0.0675	-69	3776	3784	VKTDSL SAR						Mascot
1006.5237	1006.399	-0.1247	-124	3631	3639	ELKCVSAEK						Mascot
1069.6364	1069.5614	-0.075	-70	3162	3171	LADLQALLGR						Mascot
1088.5695	1088.549	-0.0205	-19	1170	1179	SLQAAESQVR						Mascot
1165.6953	1165.7485	0.0532	46	4875	4883	HWITIIRAR						Mascot
1287.5997	1287.673	0.0733	57	3570	3581	SRYAEMTAGSSK						Mascot
1287.5997	1287.673	0.0733	57	3570	3581	SRYAEMTAGSSK						Mascot
1309.6205	1309.6619	0.0414	32	975	985	NISSWSLDTMR						Mascot
1313.7172	1313.7499	0.0327	25	3114	3125	EGSSPDLLALRR						Mascot
1325.6155	1325.76	0.1445	109	975	985	NISSWSLDTMR				Oxidation (M)[10]		Mascot
1325.6155	1325.76	0.1445	109	975	985	NISSWSLDTMR	3	0		Oxidation (M)[10]		Mascot
1347.7015	1347.7352	0.0337	25	5157	5167	RFQVEQIGENK						Mascot
1363.6635	1363.7062	0.0427	31	3319	3330	GTVEMIRAEGER				Oxidation (M)[5]		Mascot
1375.7328	1375.7407	0.0079	6	3191	3201	QQLQEFAVER						Mascot
1380.6866	1380.7196	0.033	24	3676	3686	YRQADETITQR						Mascot
1660.9116	1660.8605	-0.0511	-31	2077	2092	QGSVDATLDSVSKLLK						Mascot
1676.7367	1676.8582	0.1215	72	3098	3112	SELENHGGECTMLR						Mascot
1809.0956	1808.9633	-0.1323	-73	4541	4556	QDVVLIKNLLSVQAR						Mascot
1840.995	1840.9474	-0.0476	-26	3924	3939	MDPLLETLEGAVQRLR						Mascot
1848.8326	1848.9592	0.1266	68	3098	3113	SELENHGGECTMLRR				Oxidation (M)[13]		Mascot
1864.8932	1864.9285	0.0353	19	4943	4957	TLITEHQVFMEEMTR						Mascot
1884.0337	1883.8453	-0.1884	-100	1432	1448	VGQVSDLLGWVKGLQER						Mascot
2001.0763	2001.0725	-0.0038	-2	2973	2989	SQQELLNSVQPQVVYLR						Mascot
2211.1301	2211.1074	-0.0227	-10	5184	5203	STVMVRVGGGWALDE FLVK				Oxidation (M)[4]		Mascot
2225.1382	2225.1199	-0.0183	-8	1119	1137	RCVSFFEEKPTSSSPVL R				Carbamidomethyl (C)[2]		Mascot
2233.0593	2233.0769	0.0176	8	2458	2476	QLEDIDSRWTNANQTAS QR						Mascot
2705.3174	2705.1614	-0.156	-58	684	705	CLESLRAFVSHCTEELIW LNER				Carbamidomethyl (C)[1]		Mascot
39	ADP/ATP translocase 1 [Danio rerio]			gi 47550717		32667.2	9.74	8	39	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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976.5825	976.4746	-0.1079	-110	97	105	KIFLGGVDK		Mascot
984.4423	984.4247	-0.0176	-18	238	245	MMMQSGRK	Oxidation (M)[1]	Mascot
984.4423	984.4247	-0.0176	-18	238	245	MMMQSGRK	Oxidation (M)[1]	Mascot
998.4941	998.4405	-0.0536	-54	264	272	DEGGKAFFK		Mascot
1016.4321	1016.4159	-0.0162	-16	238	245	MMMQSGRK	Oxidation (M)[1,2,3]	Mascot
1363.842	1363.7062	-0.1358	-100	32	43	VKLLQVQHASK		Mascot
1957.9728	1958.0229	0.0501	26	189	206	AAYFGIYDTAKGMLPDPK		Mascot
1957.9728	1958.0229	0.0501	26	189	206	AAYFGIYDTAKGMLPDPK		Mascot
2283.2053	2283.1848	-0.0205	-9	1	23	MSDAAISFLKDFLAGGVA AAISK		Mascot
2284.2236	2284.1743	-0.0493	-22	73	92	GNLANVIRYFPTQALNFA FK		Mascot
2362.3127	2362.188	-0.1247	-53	273	295	GALSNVIRGAGGAFVLVL YDEIK		Mascot

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1118.6681	1118.6837	0.0156	14	8843	8851	ILAYVVERR	Mascot
1118.6681	1118.6837	0.0156	14	8843	8851	ILAYVVERR	Mascot
1165.6324	1165.7485	0.1161	100	11959	11967	ITNYTIERR	Mascot
1211.7106	1211.7159	0.0053	4	12383	12393	QNAVNNLVLK	Mascot
1287.6328	1287.673	0.0402	31	13851	13860	KPKEADEWER	Mascot
1287.7089	1287.673	-0.0359	-28	17921	17931	ELNLVIKEACR	Mascot
1308.6464	1308.7278	0.0814	62	28587	28598	DNAVISITSNMK	Oxidation (M)[11] Mascot
1309.6854	1309.6619	-0.0235	-18	12579	12590	NLTMTMCLGIVK	Oxidation (M)[6] Mascot
1313.8038	1313.7499	-0.0539	-41	21534	21545	DVVLKSGEILK	Mascot
1325.6254	1325.76	0.1346	102	6025	6035	TDEISEMKQTK	Oxidation (M)[7] Mascot
1325.7358	1325.76	0.0242	18	12242	12253	EKMVIHAGGVIR	Oxidation (M)[3] Mascot
1347.705	1347.7352	0.0302	22	10488	10499	GETALMVRDAIR	Oxidation (M)[6] Mascot
1363.6787	1363.7062	0.0275	20	8679	8689	YQMISEGKVHR	Oxidation (M)[3] Mascot
1364.7096	1364.6995	-0.0101	-7	5233	5243	LDNLFFIEEPK	Mascot
1364.7096	1364.6995	-0.0101	-7	5233	5243	LDNLFFIEEPK	Mascot
1369.7322	1369.7268	-0.0054	-4	5779	5789	EIEIPQEKIDR	Mascot
1375.7579	1375.7407	-0.0172	-13	24367	24378	EAFFSVIIKEPR	Mascot
1376.7784	1376.7115	-0.0669	-49	5521	5532	LTVLADQIQFTK	Mascot
1380.7052	1380.7196	0.0144	10	4758	4770	CHAQVVAVTEPAR	Mascot
1382.7678	1382.7812	0.0134	10	11941	11952	AEQITLSWLPPK	Mascot
1382.8002	1382.7812	-0.019	-14	5914	5926	AAVQPSEKKPVTK	Mascot
1386.6747	1386.6804	0.0057	4	28111	28122	IEETTETAVHEK	Mascot
1472.7301	1472.8101	0.08	54	5611	5623	STAELYLSGKEMK	Oxidation (M)[12] Mascot
1545.74	1545.7358	-0.0042	-3	21519	21531	DNVDPPRIMMDVK	Oxidation (M)[9] Mascot
1584.8744	1584.8798	0.0054	3	9445	9457	WTKADLVLPKPEER	Mascot
1660.8574	1660.8605	0.0031	2	11883	11897	LVADDSCLLIQQK	Carbamidomethyl (C)[7] Mascot
1676.8602	1676.8582	-0.002	-1	24230	24244	TWTEAAPKSTQTSLR	Mascot
1763.7979	1763.8062	0.0083	5	25535	25549	YGTGEYLQSEVVMCK	Carbamidomethyl (C)[14] Mascot
1796.9429	1796.9141	-0.0288	-16	19868	19884	DSVTLVWEPLIDGGAK	Mascot
1809.0017	1808.9633	-0.0384	-21	21546	21562	INADIAGRPLPVASWTK	Mascot
1824.949	1824.9679	0.0189	10	17244	17261	KDGGFILTATNVGGFAK	Mascot
1825.9589	1825.9609	0.002	1	1699	1715	NGQAISASNKIHMVIDK	Mascot
1826.8412	1826.9823	0.1411	77	12667	12682	DMWTTVTSTATTCK	Oxidation (M)[2] Mascot
1826.9622	1826.9823	0.0201	11	13770	13784	LVKAPLVQNCEYFFR	Mascot
1840.944	1840.9474	0.0034	2	10637	10653	IGEVTSSTVALSWHEPK	Mascot
1848.9602	1848.9592	-0.001	-1	5081	5096	VSGSQPLSVIYKDNR	Mascot
1864.9188	1864.9285	0.0097	5	22126	22142	NSITIAWSKPEFDGGSR	Mascot

1870.9545	1870.942	-0.0125	-7	1312	1327	RTQEGYYEAITAVELK		Mascot
1883.8627	1883.8453	-0.0174	-9	12667	12682	DMWTTVTTSATTKTHCK	Carbamidomethyl (C)[15], Oxidation (M)[2]	Mascot
1899.8276	1899.8562	0.0286	15	8516	8533	DCSLADEGEYTVVAGADK	Carbamidomethyl (C)[2]	Mascot
1957.9865	1958.0229	0.0364	19	1313	1329	TQEGYYEAITAVELKSR		Mascot
1957.9865	1958.0229	0.0364	19	1313	1329	TQEGYYEAITAVELKSR		Mascot
2001.0188	2001.0725	0.0537	27	20355	20371	DHIKIQWTKPQYDGGSK		Mascot
2060.0447	2060.1394	0.0947	46	24695	24713	WSVPLNDGGSPITGYIVER		Mascot
2076.1123	2076.1316	0.0193	9	19552	19570	DPFIHPGSPQIIEVTNIAK		Mascot
2178.144	2178.2019	0.0579	27	9900	9919	DTFTTPGPPYALTVEVSKR		Mascot
2211.1147	2211.1074	-0.0073	-3	22748	22766	VVWSVISEAMESRMVTVQK	Oxidation (M)[10,14]	Mascot
2233.0076	2233.0769	0.0693	31	20713	20732	VSAENETGVGECSDLSEFYR	Carbamidomethyl (C)[12]	Mascot
2283.0269	2283.1848	0.1579	69	8248	8268	MDDAGEYHCKLPASETTGTLK	Oxidation (M)[1]	Mascot
2284.0583	2284.1743	0.116	51	16046	16066	ANTVNVIDCAYTVADLQEGCK	Carbamidomethyl (C)[9]	Mascot
2362.1165	2362.188	0.0715	30	25529	25549	VAAANRYGTGEYLGSEVMCK	Carbamidomethyl (C)[20], Oxidation (M)[19]	Mascot
3338.5608	3338.7483	0.1875	56	22060	22087	AWVCVSSNCHSLTYKVELDQEGAIYYFR	Carbamidomethyl (C)[4]	Mascot

41 PREDICTED: hypothetical protein LOC100536975 gi|326679271 234171 8.98 23 39 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
991.4439	991.465	0.0211	21	1568	1575	DQDSNERK				Mascot
1006.5217	1006.399	-0.1227	-122	201	208	AEFAWARR				Mascot
1088.5483	1088.549	0.0007	1	259	266	RDWENLQK				Mascot
1118.6567	1118.6837	0.027	24	1004	1014	GVFAALGDIKK				Mascot
1118.6567	1118.6837	0.027	24	1003	1013	KGVFAALGDIK				Mascot
1165.5887	1165.7485	0.1598	137	1450	1458	YSVEEWPKK				Mascot
1211.6266	1211.7159	0.0893	74	1132	1142	NEVVDPSQVPK				Mascot
1287.6903	1287.673	-0.0173	-13	278	288	KIQLVDSVDDR				Mascot
1287.6903	1287.673	-0.0173	-13	278	288	KIQLVDSVDDR				Mascot
1308.7383	1308.7278	-0.0105	-8	719	729	IDLLISHREGR				Mascot
1325.7113	1325.76	0.0487	37	1284	1294	FHRSLTPPGWK				Mascot
1325.7113	1325.76	0.0487	37	1284	1294	FHRSLTPPGWK				Mascot
1347.7002	1347.7352	0.035	26	1819	1830	LETSELEEKAAK				Mascot
1364.7307	1364.6995	-0.0312	-23	38	48	LIESELKEEFK				Mascot

		1364.7307	1364.6995	-0.0312	-23	38	48	LIESELKEEFK											Mascot
		1375.748	1375.7407	-0.0073	-5	1937	1947	VIQGEVNKFWR											Mascot
		1376.7467	1376.7115	-0.0352	-26	1347	1359	AEICGAVFAARLR											Mascot
		1382.5927	1382.7812	0.1885	136	447	460	DSTEAGCIVCGAEK											Mascot
		1382.5927	1382.7812	0.1885	136	447	460	DSTEAGCIVCGAEK											Mascot
		1763.922	1763.8062	-0.1158	-66	1619	1634	LAVYRENSGLLVCGGR					Carbamidomethyl (C)[13]						Mascot
		1796.7512	1796.9141	0.1629	91	823	838	WDSIGTACEPKCGGCR					Carbamidomethyl (C)[8, 12]						Mascot
		1827.002	1826.9823	-0.0197	-11	1644	1660	AVPILPCSAWVSMLLAR											Mascot
		1827.0334	1826.9823	-0.0511	-28	1143	1158	ESISQSKTIILPNQLR											Mascot
		1840.9525	1840.9474	-0.0051	-3	1839	1856	IHPASSPHRNGAAEAAR											Mascot
		1864.9382	1864.9285	-0.0097	-5	1747	1762	VHLKVWGIVYCCMASR											Mascot
		1884.0234	1883.8453	-0.1781	-95	1644	1660	AVPILPCSAWVSMLLAR					Carbamidomethyl (C)[7]						Mascot
		1900.0183	1899.8562	-0.1621	-85	1644	1660	AVPILPCSAWVSMLLAR					Carbamidomethyl (C)[7], Oxidation (M)[13]						Mascot
		2211.0215	2211.1074	0.0859	39	816	833	EFIDWWKWDISGTACEP K											Mascot
		2705.3855	2705.1614	-0.2241	-83	1164	1187	ALGTGYLVEEDKLYIMASI NFSVR					Oxidation (M)[16]						Mascot
42	PREDICTED: titin [Danio rerio]						gil189523697	3199053	5.99	64	39	0							
	Peptide Information																		
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification		Rank	Result	Type			
	808.4562	808.4616	0.0054	7	5252	5259	GTATFIAK												Mascot
	809.4151	809.4243	0.0092	11	6326	6331	EYKDVR												Mascot
	826.4669	826.4489	-0.018	-22	27841	27847	LTSYKSK												Mascot
	842.4478	842.5125	0.0647	77	21462	21468	RDLPEGR												Mascot
	882.4791	882.5686	0.0895	101	14147	14153	KEEHAIR												Mascot
	911.4468	911.4038	-0.043	-47	5424	5432	YVPSSGSSK												Mascot
	913.4447	913.4518	0.0071	8	15062	15068	EFKMSQK					Oxidation (M)[4]							Mascot
	960.4996	960.4805	-0.0191	-20	15118	15125	LDEILSDR		20		0								Mascot
	960.4996	960.4805	-0.0191	-20	15118	15125	LDEILSDR												Mascot
	976.5032	976.4746	-0.0286	-29	5152	5158	IQWMKDR												Mascot
	982.4774	982.4593	-0.0181	-18	26479	26485	NYCLEKR					Carbamidomethyl (C)[3]							Mascot
	984.4818	984.4247	-0.0571	-58	22537	22544	ITGYMVER					Oxidation (M)[5]							Mascot
	984.4818	984.4247	-0.0571	-58	22537	22544	ITGYMVER					Oxidation (M)[5]							Mascot
	991.4955	991.465	-0.0305	-31	13094	13102	VAAENQFGR												Mascot
	992.4982	992.4683	-0.0299	-30	5152	5158	IQWMKDR					Oxidation (M)[4]							Mascot
	992.5015	992.4683	-0.0332	-33	5111	5119	SNVAVMCLR												Mascot
	998.4359	998.4405	0.0046	5	27392	27400	FGDDSCAR												Mascot

1016.5047	1016.4159	-0.0888	-87	8910	8918	FDVPDAPQK		Mascot
1069.5887	1069.5614	-0.0273	-26	10291	10299	NPVIIIEQK		Mascot
1088.5371	1088.549	0.0119	11	24831	24839	YALQYSSTR		Mascot
1118.6681	1118.6837	0.0156	14	8844	8852	ILAYVVERR		Mascot
1118.6681	1118.6837	0.0156	14	8844	8852	ILAYVVERR		Mascot
1165.6324	1165.7485	0.1161	100	11960	11968	ITNYTIERR		Mascot
1211.7106	1211.7159	0.0053	4	12384	12394	QNAVNNLVLK		Mascot
1287.6328	1287.673	0.0402	31	13852	13861	KPKEADEWER		Mascot
1287.7089	1287.673	-0.0359	-28	17922	17932	ELNLVIKEACR		Mascot
1308.6464	1308.7278	0.0814	62	28588	28599	DNAVISITSNMK	Oxidation (M)[11]	Mascot
1309.6854	1309.6619	-0.0235	-18	12580	12591	NTLTMCLGIVK	Oxidation (M)[6]	Mascot
1313.8038	1313.7499	-0.0539	-41	21535	21546	DVVLKSGEILK		Mascot
1325.7358	1325.76	0.0242	18	12243	12254	EKMVIHAGGVIR	Oxidation (M)[3]	Mascot
1325.7358	1325.76	0.0242	18	12243	12254	EKMVIHAGGVIR	Oxidation (M)[3]	Mascot
1347.705	1347.7352	0.0302	22	10489	10500	GETALMVRDAIR	Oxidation (M)[6]	Mascot
1363.6787	1363.7062	0.0275	20	8680	8690	YQMISEGKVHR	Oxidation (M)[3]	Mascot
1364.7096	1364.6995	-0.0101	-7	5234	5244	LDNLFFIEEPK		Mascot
1364.7096	1364.6995	-0.0101	-7	5234	5244	LDNLFFIEEPK		Mascot
1369.7322	1369.7268	-0.0054	-4	5780	5790	EIEIPQEKLDK		Mascot
1375.7579	1375.7407	-0.0172	-13	24368	24379	EAFSSVIIKEPR		Mascot
1376.7454	1376.7115	-0.0339	-25	4585	4596	KLTDLSIPMSQK	Oxidation (M)[9]	Mascot
1380.7052	1380.7196	0.0144	10	4759	4771	CHAQVVAVTEPAR		Mascot
1382.7678	1382.7812	0.0134	10	11942	11953	AEQITLSWLPPK		Mascot
1382.8002	1382.7812	-0.019	-14	5915	5927	AAVQPSEKKPVTK		Mascot
1386.6747	1386.6804	0.0057	4	28112	28123	IEETTETAVHEK		Mascot
1472.7301	1472.8101	0.08	54	5612	5624	STAELYLSGKEMK	Oxidation (M)[12]	Mascot
1545.74	1545.7358	-0.0042	-3	21520	21532	DNVDPPRIMMDVK	Oxidation (M)[9]	Mascot
1584.8744	1584.8798	0.0054	3	9446	9458	WTKADLVLKPEER		Mascot
1660.8574	1660.8605	0.0031	2	11884	11898	LVADDSCLLIQGK	Carbamidomethyl (C)[7]	Mascot
1676.8602	1676.8582	-0.002	-1	24231	24245	TWTEAAPKSTQTSLR		Mascot
1763.7979	1763.8062	0.0083	5	25536	25550	YGTGEYLQSEVVMCK	Carbamidomethyl (C)[14]	Mascot
1796.9429	1796.9141	-0.0288	-16	19869	19885	DSVTLVWEPLIDGGAK		Mascot
1809.0017	1808.9633	-0.0384	-21	21547	21563	INADIAGRPLPVASWTK		Mascot
1824.949	1824.9679	0.0189	10	17245	17262	KDGGEFILTATNVGGFAK		Mascot
1825.9589	1825.9609	0.002	1	1699	1715	NGQAISASNKIHVIDK		Mascot
1826.8412	1826.9823	0.1411	77	12668	12683	DMWTTVTSATTKTHCK	Oxidation (M)[2]	Mascot

	1826.9622	1826.9823	0.0201	11	13771	13785	LVKAPLVQNCEYFFR										Mascot
	1840.944	1840.9474	0.0034	2	10638	10654	IGEVTSSTVALSWHEPK										Mascot
	1848.9702	1848.9592	-0.011	-6	16918	16933	ETTSQSWVELSLIIR										Mascot
	1864.9188	1864.9285	0.0097	5	22127	22143	NSITIAWSKPEFDGGSR										Mascot
	1870.9545	1870.942	-0.0125	-7	1312	1327	RTQEGYYEAITAVELK										Mascot
	1883.8627	1883.8453	-0.0174	-9	12668	12683	DMWTTVTTSATTKTHCK						Carbamidomethyl (C)[15], Oxidation (M)[2]				Mascot
	1899.9116	1899.8562	-0.0554	-29	22496	22513	TSEEVLAIDACDPPANVR										Mascot
	1957.9865	1958.0229	0.0364	19	1313	1329	TQEGYYEAITAVELKSR										Mascot
	1957.9865	1958.0229	0.0364	19	1313	1329	TQEGYYEAITAVELKSR										Mascot
	2001.0188	2001.0725	0.0537	27	20356	20372	DHIKIQWTKPQYDGGSK										Mascot
	2060.0447	2060.1394	0.0947	46	24696	24714	WSVPLNDGGSPITGYIVE R										Mascot
	2076.1123	2076.1316	0.0193	9	19553	19571	DPFIHPGSPQIIEVTNIAK										Mascot
	2178.144	2178.2019	0.0579	27	9901	9920	DTFTTPGPPYALTVEVS KR										Mascot
	2211.1147	2211.1074	-0.0073	-3	22749	22767	VVWSVISEAMESRMVTV QK						Oxidation (M)[10,14]				Mascot
	2233.0076	2233.0769	0.0693	31	20714	20733	VSAENETGVGECSDL FYR						Carbamidomethyl (C)[12]				Mascot
	2283.0269	2283.1848	0.1579	69	8249	8269	MDDAGEYHCKLPASETT GTLK						Oxidation (M)[1]				Mascot
	2284.0583	2284.1743	0.116	51	16047	16067	ANTVNVIDCAYTVADLQE GCK						Carbamidomethyl (C)[9]				Mascot
	2362.1165	2362.188	0.0715	30	25530	25550	VAAANRYGTGEYLQSEV VMCK						Carbamidomethyl (C)[20], Oxidation (M)[19]				Mascot
	3338.5608	3338.7483	0.1875	56	22061	22088	AWVCVSSNCHSLTYKVE DLQEGAIYYFR						Carbamidomethyl (C)[4]				Mascot
43	PREDICTED: retrotransposable element Tf2 155 kDa protein type 1-like [Danio rerio]				gi 326680732	128413.4	9.38	15	38	0							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
809.4039	809.4243	0.0204	25	115	121	AFSDELK						Mascot
960.4897	960.4805	-0.0092	-10	300	306	EYHDLKR						Mascot
960.4897	960.4805	-0.0092	-10	300	306	EYHDLKR						Mascot
982.4886	982.4593	-0.0293	-30	821	829	VACHPGVSR			Carbamidomethyl (C)[3]			Mascot
1287.6051	1287.673	0.0679	53	655	664	IHPCAYFSHR			Carbamidomethyl (C)[4]			Mascot
1287.6051	1287.673	0.0679	53	655	664	IHPCAYFSHR			Carbamidomethyl (C)[4]			Mascot
1308.6907	1308.7278	0.0371	28	937	948	IHGLPTDVVSDR						Mascot
1313.6228	1313.7499	0.1271	97	849	861	DFVLACSVCAASK						Mascot
1369.7699	1369.7268	-0.0431	-31	423	433	LDLRNAYHLVR						Mascot
1375.7004	1375.7407	0.0403	29	95	106	AALWGTTWENK						Mascot
1376.7045	1376.7115	0.007	5	836	845	QRFWWPVMAR						Mascot

	1545.7755	1545.7358	-0.0397	-26	2	15	DPASTSEIQEILSR										Mascot
	1676.816	1676.8582	0.0422	25	1	15	MDPASTSEIQEILSR										Mascot
	1884.0411	1883.8453	-0.1958	-104	611	628	LKGCFSAPILIAPDPSR										Mascot
	2225.0122	2225.1199	0.1077	48	257	277	AGGLCMYCGVGGHFVAL CPAK					Carbamidomethyl (C)[5,8,18]					Mascot
	2283.0652	2283.1848	0.1196	52	256	277	RAGGLCMYCGVGGHFV ALCPAK					Carbamidomethyl (C)[6], Oxidation (M)[7]					Mascot
	2705.4106	2705.1614	-0.2492	-92	1125	1149	IINPVAALLVEFAGCSLVE VFSDEL					Carbamidomethyl (C)[15]					Mascot
44	PREDICTED: ras association domain-containing protein gi 189537462						49870	4.96	3	38	0	31	77.359	10 [Danio rerio]			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4632	960.4805	0.0173	18	184	191	ELDGEIER	31	77.359			Mascot
960.4632	960.4805	0.0173	18	184	191	ELDGEIER					Mascot
992.5193	992.4683	-0.051	-51	25	33	RTTCADVVK					Mascot
992.5193	992.4683	-0.051	-51	25	33	RTTCADVVK					Mascot
1796.8306	1796.9141	0.0835	46	1	14	MEQEESKISVWVCR			Carbamidomethyl (C)[13], Oxidation (M)[1]		Mascot

45	PREDICTED: hypothetical protein LOC100536930						gi 326667028	38180.8	5.39	7	37	0	[Danio rerio]				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
809.4152	809.4243	0.0091	11	102	108	TLDASFR					Mascot
911.4556	911.4038	-0.0518	-57	137	143	RFFCPNK					Mascot
960.4493	960.4805	0.0312	32	166	174	QTQGGGEQR	8	0			Mascot
960.4493	960.4805	0.0312	32	166	174	QTQGGGEQR					Mascot
1088.5443	1088.549	0.0047	4	166	175	QTQGGGEQRK					Mascot
1313.761	1313.7499	-0.0111	-8	72	83	TIPLGCKNVALK			Carbamidomethyl (C)[6]		Mascot
1369.6569	1369.7268	0.0699	51	91	101	QVYMFLNSPDR					Mascot
1584.7428	1584.8798	0.137	86	283	296	VGVEVSDYFPDTEK					Mascot

46	novel protein similar to vertebrate NifU-like N-terminal domain containing (NIFUN) [Danio rerio]						gi 37606130	17748.2	8.87	4	37	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	913.4447	913.4518	0.0071	8	10	18	CASSALFSK										Mascot
	960.5359	960.4805	-0.0554	-58	107	115	GKSIDEALK	20	0								Mascot
	960.5359	960.4805	-0.0554	-58	107	115	GKSIDEALK										Mascot
	1069.5459	1069.5614	0.0155	14	9	18	RCASSALFSK										Mascot
	2283.1545	2283.1848	0.0303	13	124	143	ELCLPPVKLHCSMLAEDIAK									Carbamidomethyl (C)[3], Oxidation (M)[13]	Mascot
47	transcription factor p65 [Danio rerio]					gi 319738646	51046	9.08	10	36	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
992.4465	992.4683	0.0218	22	123	131	DVGEAVSCR				Carbamidomethyl (C)[8]		Mascot
992.4689	992.4683	-0.0006	-1	198	206	VNRNSGSCR						Mascot
1347.6321	1347.7352	0.1031	77	37	49	CEGRSAGSIPGEK				Carbamidomethyl (C)[1]		Mascot
1380.6179	1380.7196	0.1017	74	96	106	HGYEADLQER						Mascot
1382.662	1382.7812	0.1192	86	396	407	YLQAMSVDSPK				Oxidation (M)[5]		Mascot
1382.662	1382.7812	0.1192	86	396	407	YLQAMSVDSPK				Oxidation (M)[5]		Mascot
1584.8744	1584.8798	0.0054	3	408	423	AVPVLPPSGTVSTGR						Mascot
1660.7887	1660.8605	0.0718	43	381	395	MEPSPLPASSSDIWK				Oxidation (M)[1]		Mascot
1676.7949	1676.8582	0.0633	38	253	266	TPPYCDNLTEPLR				Carbamidomethyl (C)[5]		Mascot
1870.8422	1870.942	0.0998	53	201	217	NSGSCRGGDEIFLLCDK				Carbamidomethyl (C)[5]		Mascot
1899.9122	1899.8562	-0.056	-29	221	235	EDIEVRFFLDSEWK						Mascot

48	PREDICTED: WD repeat- and FYVE domain-containing protein 4 [Danio rerio]					gi 326673033	526148.2	6.32	1		24	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1287.6903	1287.673	-0.0173	-13	2455	2467	APSVSVVSIESGR	24		0		3	Mascot

49	PREDICTED: uncharacterized protein C9orf174-like [Danio rerio]					gi 326668020	114568.7	5.74	1		23	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
960.5109	960.4805	-0.0304	-32	98	105	KNSDIIDR	23		0		4	Mascot

50	transcription elongation factor SPT5 [Danio rerio]					gi 229577145	120318.3	5.09	1		23	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
960.5472	960.4805	-0.0667	-69	748	756 LTTVGGKER	23	0		5	Mascot

Gel Idx/Pos	252/K4	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	phosphatidylethanolamine binding protein [Danio rerio]	gi 54312133	20848.3	6.31	8	434	100	378	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
921.504	921.4865	-0.0175	-19	180	187 LYEQLAGK					Mascot
1225.5946	1225.6703	0.0757	62	29	39 YDSVEIDSLGK					Mascot
1407.7532	1407.7223	-0.0309	-22	83	93 EWHHFLVNVK					Mascot
1566.7468	1566.7186	-0.0282	-18	63	76 LYTLAMTDPDAPSR			Oxidation (M)[6]		Mascot
2012.8688	2012.9399	0.0711	35	94	113 GNDVSSGCVMSDYVGA GPPK			Carbamidomethyl (C)[8], Oxidation (M)[10]		Mascot
2103.9805	2103.947	-0.0335	-16	120	136 YVWLVEQSGNISCTER			Carbamidomethyl (C)[14]		Mascot
2103.9805	2103.947	-0.0335	-16	120	136 YVWLVEQSGNISCTER	164	100	Carbamidomethyl (C)[14]		Mascot
2689.2344	2689.1975	-0.0369	-14	40	62 VCTPTQVQNRPTSIEWE GCDPSK	49	99.716	Carbamidomethyl (C)[2,19]		Mascot
2689.2344	2689.1975	-0.0369	-14	40	62 VCTPTQVQNRPTSIEWE GCDPSK			Carbamidomethyl (C)[2,19]		Mascot
2933.5505	2933.5264	-0.0241	-8	2	28 PVDINEWTGSLALTEVEE PPAKPLTVK	165	100			Mascot
2933.5505	2933.5264	-0.0241	-8	2	28 PVDINEWTGSLALTEVEE PPAKPLTVK					Mascot

2	Zgc:56033 [Danio rerio]	gi 29126917	20749.3	6.31	9	396	100	329	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
921.504	921.4865	-0.0175	-19	180	187 LYEQLAGK					Mascot
1225.5946	1225.6703	0.0757	62	29	39 YDSVEIDSLGK					Mascot
1566.7468	1566.7186	-0.0282	-18	63	76 LYTLAMTDPDAPSR			Oxidation (M)[6]		Mascot
2012.8688	2012.9399	0.0711	35	94	113 GNDVSSGCVMSDYVGA GPPK			Carbamidomethyl (C)[8], Oxidation (M)[10]		Mascot
2103.9805	2103.947	-0.0335	-16	120	136 YVWLVEQSGNISCTER			Carbamidomethyl (C)[14]		Mascot
2103.9805	2103.947	-0.0335	-16	120	136 YVWLVEQSGNISCTER	164	100	Carbamidomethyl (C)[14]		Mascot
2443.1387	2443.1145	-0.0242	-10	158	179 YGLGAPLAGSCFQAEWD			Carbamidomethyl (C)[11]		Mascot

	2571.2336	2571.2007	-0.0329	-13	157	179	NYVPK KYGLGAPLAGSCFQAEW DNYVPK					Carbamidomethyl (C)[12]	Mascot
	2675.2188	2675.1672	-0.0516	-19	40	62	VCTPTQVQNRPTSVEWE GCDPSK					Carbamidomethyl (C)[2,19]	Mascot
	2933.5505	2933.5264	-0.0241	-8	2	28	PVDINEWTGSLALTEVEE PPAKPLTVK	165	100				Mascot
	2933.5505	2933.5264	-0.0241	-8	2	28	PVDINEWTGSLALTEVEE PPAKPLTVK						Mascot
3	superoxide dismutase [Mn], mitochondrial precursor [Danio rerio]					gi 41152470	24992.7	8.29	6	146	100	115	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
990.5366	990.5233	-0.0133	-13	197	204	NVRPDYVK					Mascot
1715.85	1715.8234	-0.0266	-16	205	218	AIWNVNWENVSER	115	100			Mascot
1715.85	1715.8234	-0.0266	-16	205	218	AIWNVNWENVSER					Mascot
1768.8613	1768.8323	-0.029	-16	56	70	HHATYVNNLNVTEEK					Mascot
2064.0549	2064.0337	-0.0212	-10	137	156	ISAATVAVQGSGWGWLG FEK					Mascot
2321.1924	2321.1194	-0.073	-31	135	156	EKISAATVAVQGSGWGW LGFEK					Mascot
2572.2791	2572.2273	-0.0518	-20	56	77	HHATYVNNLNVTEEKYQ EALAK					Mascot

4	PREDICTED: NACHT, LRR and PYD domains-containing protein 12-like [Danio rerio]					gi 326664473	117737.1	6.42	16	38	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
848.4875	848.5133	0.0258	30	356	362	LAFEQLK					Mascot
870.4315	870.5181	0.0866	99	143	150	DGDVSLHK					Mascot
921.5073	921.4865	-0.0208	-23	348	355	DMISKLAK			Oxidation (M)[2]		Mascot
1279.6052	1279.7588	0.1536	120	5	15	EDDDFLGEVLK					Mascot
1306.6348	1306.7334	0.0986	75	1023	1034	VDGESVFICQIP					Mascot
1334.6732	1334.871	0.1978	148	707	717	LLQGMENTEKR			Oxidation (M)[5]		Mascot
1407.7002	1407.7223	0.0221	16	5	16	EDDDFLGEVLKK					Mascot
1731.8395	1731.8127	-0.0268	-15	691	706	ELDLSGNDLQDSGLQK					Mascot
2013.0331	2012.9399	-0.0932	-46	839	856	TLKTDPMGDHLMKPGIM K					Mascot
2120.0691	2119.9622	-0.1069	-50	73	90	SEDKPIDCNEIFNLLKGK			Carbamidomethyl (C)[8]		Mascot
2443.417	2443.1145	-0.3025	-124	478	499	FLLGISLESNQKLLIGILNE TK					Mascot
2598.3306	2598.2024	-0.1282	-49	561	583	SNCSALVYVLLMSQEVLD KFNPK					Mascot

	2675.2214	2675.1672	-0.0542	-20	371	394	EDLEACGINADEEFTGLC TEIFKK						Mascot
	2703.2793	2703.2061	-0.0732	-27	427	448	LEKDMNWSVSDLMFFLE DSRPK	Oxidation (M)[5]					Mascot
	3324.6458	3324.6646	0.0188	6	724	751	VLMILWCNLTEMSCQQL SPILSSNSVLR	Carbamidomethyl (C)[7,14], Oxidation (M)[3,12]					Mascot
	3338.698	3338.7202	0.0222	7	723	751	KVLMILWCNLTEMSCQQ LSPILSSNSVLR	Oxidation (M)[4,13]					Mascot
5	purine nucleoside phosphorylase 4a [Danio rerio]				gi 50344860		31789.9	6.79	8	37	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4161	850.5295	0.1134	133	175	181	MALDICK			Carbamidomethyl (C)[6]		Mascot
850.4161	850.5295	0.1134	133	175	181	MALDICK			Carbamidomethyl (C)[6]		Mascot
921.4896	921.4865	-0.0031	-3	174	181	KMALDICK					Mascot
990.5981	990.5233	-0.0748	-76	70	78	LVFGELK GK					Mascot
1306.5481	1306.7334	0.1853	142	5	14	DQICHEDYQR					Mascot
1715.7555	1715.8234	0.0679	40	2	14	HSKDQICHEDYQR			Carbamidomethyl (C)[7]		Mascot
1715.7555	1715.8234	0.0679	40	2	14	HSKDQICHEDYQR			Carbamidomethyl (C)[7]		Mascot
2229.9661	2230.1809	0.2148	96	79	97	TCVCMQGRFHM YEGHSL SK			Oxidation (M)[5]		Mascot
2298.158	2298.1436	-0.0144	-6	214	236	LGVDVAGMSTAPEVLVA SHCGIR			Oxidation (M)[8]		Mascot
2689.3481	2689.1975	-0.1506	-56	136	160	DHINFPGLAGLNPLNGPN DEKFGPR					Mascot
2689.3481	2689.1975	-0.1506	-56	136	160	DHINFPGLAGLNPLNGPN DEKFGPR					Mascot

6 SH3 domain-binding protein 4-A [Danio rerio] gi|45387913 104947.5 7.73 13 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5822	842.4933	-0.0889	-106	634	640	LIKT VIR					Mascot
850.4338	850.5295	0.0957	113	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
850.4338	850.5295	0.0957	113	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.5181	0.0455	52	1	7	MAAHRIR			Oxidation (M)[1]		Mascot
1045.4796	1045.5455	0.0659	63	762	770	AELDSEPER					Mascot
1306.6102	1306.7334	0.1232	94	674	683	EWYIGYYQGK					Mascot
1407.6606	1407.7223	0.0617	44	379	390	TESPMAEIVCVR			Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot
2064.0259	2064.0337	0.0078	4	744	761	AFADALSYVNLPLTYFCR					Mascot
2118.1958	2117.9585	-0.2373	-112	607	624	IILSPLAITTKYPQFQER					Mascot
2230.2417	2230.1809	-0.0608	-27	813	831	LIMDFVLLTTAVEVAPRW R					Mascot

	2284.2368	2284.1421	-0.0947	-41	463	484	TVVAIFGHDCAPKTLVS EVGK										Mascot
	2300.0686	2300.1487	0.0801	35	568	587	DDQDCILAQFCVQTPQP PPK						Carbamidomethyl (C)[5]				Mascot
	3337.6052	3337.7405	0.1353	41	269	298	LARSCHDLESLGQNPBW GQTQPVETNIVCK						Carbamidomethyl (C)[5]				Mascot
	3338.5496	3338.7202	0.1706	51	856	884	TGMVDSEAMWKPAYDFL LTWAAQIGDSYR						Oxidation (M)[3]				Mascot

7 PREDICTED: 25-hydroxycholesterol
7-alpha-hydroxylase-like [Danio rerio] gi|125806840 58546.6 6.65 9 32 0 3 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
868.4774	868.5345	0.0571	66	28	35	DGEPLIK					Mascot
996.5724	996.5809	0.0085	9	27	35	KDGEPLIK	3	0			Mascot
996.5724	996.5809	0.0085	9	27	35	KDGEPLIK					Mascot
1165.567	1165.7273	0.1603	138	358	366	VVQEDFCLR			Carbamidomethyl (C)[7]		Mascot
1165.567	1165.7273	0.1603	138	358	366	VVQEDFCLR			Carbamidomethyl (C)[7]		Mascot
2249.2151	2249.033	-0.1821	-81	74	92	YITFIMNPLQYPSVIKHGK					Mascot
2321.051	2321.1194	0.0684	29	428	448	MPFGSGATQCPRFFAM NELK			Oxidation (M)[1,17]		Mascot
2571.2263	2571.2007	-0.0256	-10	93	114	QLDFHTFSDSASRTFDY PPIR					Mascot
2703.5193	2703.2061	-0.3132	-116	2	24	LEYLLTILLGFISVLLLYS CGR			Carbamidomethyl (C)[21]		Mascot
2933.6394	2933.5264	-0.113	-39	1	25	MLEYLLTILLGFISVLLLYS FCGRR					Mascot
2933.6394	2933.5264	-0.113	-39	1	25	MLEYLLTILLGFISVLLLYS FCGRR					Mascot
3337.729	3337.7405	0.0115	3	61	89	EHGDDFTVLIAGRYITFIM NPLQYPSVIK					Mascot

8 recoverin [Danio rerio] gi|71834632 23361.7 5.08 6 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
868.4715	868.5345	0.063	73	155	161	IWAFFGK					Mascot
990.5036	990.3658	-0.1378	-139	38	46	ECPSGRITK					Mascot
990.5036	990.5233	0.0197	20	38	46	ECPSGRITK					Mascot
1133.6201	1133.701	0.0809	71	185	193	LIQYDEPKK					Mascot
1566.7468	1566.7186	-0.0282	-18	167	180	IGEGEFIQGV MENK			Oxidation (M)[11]		Mascot
2064.043	2064.0337	-0.0093	-5	167	184	IGEGEFIQGV MENKDILR			Oxidation (M)[11]		Mascot
2675.2505	2675.1672	-0.0833	-31	128	150	SIFNMVPVEDQKNLPDDE NTPEK			Oxidation (M)[5]		Mascot

9 Prmt6 protein [Danio rerio] gi|34849512 39007.6 5.22 7 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
921.4094	921.4865	0.0771	84	97	103	LNQMEDR			Oxidation (M)[4]		Mascot
1062.6194	1062.675	0.0556	52	270	279	ALVLSTSPFK					Mascot
1737.703	1737.8065	0.1035	60	184	198	GQYGVDMSCMTDFAR			Carbamidomethyl (C)[9]		Mascot
2104.1218	2103.947	-0.1748	-83	56	77	VVLDVGAGTGVLSLFCA QAGAR					Mascot
2104.1218	2103.947	-0.1748	-83	56	77	VVLDVGAGTGVLSLFCA QAGAR					Mascot
2571.2615	2571.2007	-0.0608	-24	200	222	CIMNKDITVNPVTVEDVL SHPCK			Oxidation (M)[3]		Mascot
2675.4185	2675.1672	-0.2513	-94	51	77	SIEGKVVDVGAGTGVLS LFCAQAGAR			Carbamidomethyl (C)[21]		Mascot
2689.1731	2689.1975	0.0244	9	176	198	LDFWSTVKGQYGVDMSC MTDFAR			Oxidation (M)[15,18]		Mascot
2689.1731	2689.1975	0.0244	9	176	198	LDFWSTVKGQYGVDMSC MTDFAR			Oxidation (M)[15,18]		Mascot

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PREDICTED: NACHT, LRR and PYD domains-containing protein 12 [Danio rerio]

gi|292621731 149261.8 5.29 15 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4114	842.4933	0.0819	97	1214	1220	SNSEHLR					Mascot
864.5777	864.4991	-0.0786	-91	133	139	KILVVHR					Mascot
868.4635	868.5345	0.071	82	1043	1049	SNLEHLR					Mascot
870.5593	870.5181	-0.0412	-47	1011	1017	KLLPMIR					Mascot
990.5288	990.5233	-0.0055	-6	551	558	EINLMKDK					Mascot
1448.7494	1448.9067	0.1573	109	1307	1317	TLYICEYVFKL			Carbamidomethyl (C)[5]		Mascot
1715.9115	1715.8234	-0.0881	-51	537	550	ENQDVQLIFPLPFR					Mascot
1715.9115	1715.8234	-0.0881	-51	537	550	ENQDVQLIFPLPFR					Mascot
2102.0488	2101.9658	-0.083	-39	166	184	LLLPNGQFEMGHVGGV FR			Oxidation (M)[10]		Mascot
2118.0681	2117.9585	-0.1096	-52	1250	1270	LGLSNCGLTDEGCAALAL ALR			Carbamidomethyl (C)[6]		Mascot
2225.2839	2225.0859	-0.198	-89	890	908	FLLGLSVESHQILLQRLM K					Mascot
2225.2839	2225.0859	-0.198	-89	890	908	FLLGLSVESHQILLQRLM K					Mascot
2284.0181	2284.1421	0.124	54	380	400	SDLSSVHQKSTESESSC VSMR					Mascot
2300.0129	2300.1487	0.1358	59	380	400	SDLSSVHQKSTESESSC VSMR			Oxidation (M)[20]		Mascot
2465.0232	2465.0767	0.0535	22	278	297	DFCSADQEELLETLDNYS CR			Carbamidomethyl (C)[3,19]		Mascot
2598.4111	2598.2024	-0.2087	-80	316	337	TLIQEPAYVLEQWACILG			Carbamidomethyl (C)[15]		Mascot

	2675.269	2675.1672	-0.1018	-38	254	276	PLRK SDLIENFLKYVSENECALL ESCR							Mascot
	3338.6072	3338.7202	0.113	34	780	809	ECGIDVAEALVYSGGLCTQ IFREEFGLYQGK							Mascot
11	PREDICTED: hypothetical protein LOC100534830 [Danio rerio]				gi 326670669		37117.2	6.56	7	30	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
838.4893	838.5268	0.0375	45	319	327	IAHGAKGGK					Mascot
996.5123	996.5809	0.0686	69	51	57	WVWKFCCK					Mascot
996.5123	996.5809	0.0686	69	51	57	WVWKFCCK					Mascot
1225.6787	1225.6703	-0.0084	-7	58	69	GPSTPNITITPK					Mascot
1306.6671	1306.7334	0.0663	51	261	271	TLVDTMNLVER			Oxidation (M)[6]		Mascot
1731.8774	1731.8127	-0.0647	-37	147	160	LCYFIKDLEPATYR					Mascot
2283.2068	2283.1499	-0.0569	-25	9	27	CLQLSWLTAAIPWRPDE RK					Mascot
2283.2068	2283.1499	-0.0569	-25	9	27	CLQLSWLTAAIPWRPDE RK					Mascot
2571.1609	2571.2007	0.0398	15	240	260	MPLDAEVSPWWDDTFYE RGTR					Mascot

12	RecName: Full=Protein arginine N-methyltransferase 6; gi 239977077 AltName: Full=Histone-arginine N-methyltransf						39225.7	5.22	7	30	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
921.4094	921.4865	0.0771	84	99	105	LNQMEDR			Oxidation (M)[4]		Mascot
1062.6194	1062.675	0.0556	52	272	281	ALVLSTSPFK					Mascot
1737.703	1737.8065	0.1035	60	186	200	GQYGVDMSCMTDFAR			Carbamidomethyl (C)[9]		Mascot
2104.1218	2103.947	-0.1748	-83	58	79	VVLDVGAGTGVLSLFCA QAGAR					Mascot
2104.1218	2103.947	-0.1748	-83	58	79	VVLDVGAGTGVLSLFCA QAGAR					Mascot
2571.2615	2571.2007	-0.0608	-24	202	224	CIMNKDITVNPVTVEDVL SHPCK			Oxidation (M)[3]		Mascot
2675.4185	2675.1672	-0.2513	-94	53	79	SIEGKVVDVGAGTGVLS LFCAQAGAR			Carbamidomethyl (C)[21]		Mascot
2689.1731	2689.1975	0.0244	9	178	200	LDFWSTVKGQYGVDMSC MTDFAR			Oxidation (M)[15,18]		Mascot
2689.1731	2689.1975	0.0244	9	178	200	LDFWSTVKGQYGVDMSC MTDFAR			Oxidation (M)[15,18]		Mascot

13	Prmt6 protein [Danio rerio]				gi 45709074		39755	5.3	7	30	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
921.4094	921.4865	0.0771	84	104	110	LNQMEDR			Oxidation (M)[4]		Mascot
1062.6194	1062.675	0.0556	52	277	286	ALVLSTSPFK					Mascot
1737.703	1737.8065	0.1035	60	191	205	GQYGVDMSCMTDFAR			Carbamidomethyl (C)[9]		Mascot
2104.1218	2103.947	-0.1748	-83	63	84	VVLDVGAGTGVLSLFCA QAGAR					Mascot
2104.1218	2103.947	-0.1748	-83	63	84	VVLDVGAGTGVLSLFCA QAGAR					Mascot
2571.2615	2571.2007	-0.0608	-24	207	229	CIMNKDITVNPVTVEDVL SHPCK			Oxidation (M)[3]		Mascot
2675.4185	2675.1672	-0.2513	-94	58	84	SIEGKVVLVDVGAGTGVLS LFCAQAGAR			Carbamidomethyl (C)[21]		Mascot
2689.1731	2689.1975	0.0244	9	183	205	LDFWSTVKGQYGVDMSC MTDFAR			Oxidation (M)[15,18]		Mascot
2689.1731	2689.1975	0.0244	9	183	205	LDFWSTVKGQYGVDMSC MTDFAR			Oxidation (M)[15,18]		Mascot

14 N-acetyltransferase 10 [Danio rerio] gi|41055301 115791.1 8.67 13 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
921.4788	921.4865	0.0077	8	523	530	ASEAFLQR					Mascot
990.5578	990.5233	-0.0345	-35	590	598	QSILSSLSR					Mascot
996.5836	996.5809	-0.0027	-3	981	990	AGHTAIVSIK					Mascot
996.5836	996.5809	-0.0027	-3	981	990	AGHTAIVSIK					Mascot
1045.6516	1045.5455	-0.1061	-101	356	364	AVVRVNIFK					Mascot
1279.6616	1279.7588	0.0972	76	53	62	ARPSVLWCYK			Carbamidomethyl (C)[8]		Mascot
1306.7365	1306.7334	-0.0031	-2	269	279	FIEAISEKTLR					Mascot
1334.6813	1334.871	0.1897	142	777	787	FLSLMSFQFSK					Mascot
1407.7566	1407.7223	-0.0343	-24	53	63	ARPSVLWCYKK			Carbamidomethyl (C)[8]		Mascot
1448.8108	1448.9067	0.0959	66	788	800	FSSTLALNILQNK					Mascot
1763.9578	1763.8048	-0.153	-87	708	723	LDYLGVSYGSLTPQPLK					Mascot
2120.1387	2119.9622	-0.1765	-83	705	723	AERLDYLGVSYGSLTPQPL K					Mascot
2225.2004	2225.0859	-0.1145	-51	708	726	LDYLGVSYGSLTPQPLKF WK					Mascot
2225.2004	2225.0859	-0.1145	-51	708	726	LDYLGVSYGSLTPQPLKF WK					Mascot
2703.3643	2703.2061	-0.1582	-59	833	854	NMVDYHLIMDMIPVIARM HFLK			Oxidation (M)[2]		Mascot

15 24-hydroxycholesterol 7-alpha-hydroxylase [Danio rerio] gi|71834522 52830 7.64 8 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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											Seq.	Seq.	Score			
	1165.7205	1165.7273	0.0068	6	220	228	HWLLSLLRK									Mascot
	1165.7205	1165.7273	0.0068	6	220	228	HWLLSLLRK									Mascot
	1306.6759	1306.7334	0.0575	44	326	335	WCIMEAIRLR			Oxidation (M)[4]						Mascot
	1407.7629	1407.7223	-0.0406	-29	394	407	NVLEGFVAFGGGK									Mascot
	1715.9109	1715.8234	-0.0875	-51	294	308	IVMDQINSVLGRQDK									Mascot
	1715.9109	1715.8234	-0.0875	-51	294	308	IVMDQINSVLGRQDK									Mascot
	1731.9058	1731.8127	-0.0931	-54	294	308	IVMDQINSVLGRQDK			Oxidation (M)[3]						Mascot
	1768.9493	1768.8323	-0.117	-66	214	227	EWSNSKHWLLSLLR									Mascot
	2120.0706	2119.9622	-0.1084	-51	394	413	NVLEGFVAFGGGKNQC PGR			Carbamidomethyl (C)[17]						Mascot
	2572.2317	2572.2273	-0.0044	-2	164	187	SVMYPSVMSNLLGRCNS PSSALSR			Oxidation (M)[3]						Mascot
	2675.5244	2675.1672	-0.3572	-134	1	23	MEWITLILTVSVVISFHL FGK			Oxidation (M)[1]						Mascot
16	PREDICTED: coagulation factor VIII [Danio rerio]					gi 326673255	189715.5	6.26	16	29	0					
Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	% Modification		Rank	Result	Type	
	801.4365	801.341	-0.0955	-119	288	293	VFDHKKR									Mascot
	842.4631	842.4933	0.0302	36	1552	1558	ANAWRPK									Mascot
	850.4199	850.5295	0.1096	129	707	713	ERGMSVR				Oxidation (M)[4]					Mascot
	850.4199	850.5295	0.1096	129	707	713	ERGMSVR				Oxidation (M)[4]					Mascot
	864.4937	864.4991	0.0054	6	51	58	KFASGVQK									Mascot
	1062.5499	1062.675	0.1251	118	896	904	NISMVEIEK									Mascot
	1225.5154	1225.6703	0.1549	126	1145	1155	QGPSASEFDCK				Carbamidomethyl (C)[10]					Mascot
	1566.7064	1566.7186	0.0122	8	924	937	AMSDNEVLEDGRK				Oxidation (M)[2]					Mascot
	2012.9712	2012.9399	-0.0313	-16	1358	1374	QITASDYYGDWKPELAR									Mascot
	2064.0774	2064.0337	-0.0437	-21	1535	1551	WLLSWSPDLARIHQEGR									Mascot
	2120.0183	2119.9622	-0.0561	-26	1500	1518	IELLGCDLNCSLPLGME R				Carbamidomethyl (C)[6]					Mascot
	2224.9373	2225.0859	0.1486	67	958	977	YSEMGLEPASNSSDDKM YGK				Oxidation (M)[4]					Mascot
	2224.9373	2225.0859	0.1486	67	958	977	YSEMGLEPASNSSDDKM YGK				Oxidation (M)[4]					Mascot
	2233.1216	2233.0483	-0.0733	-33	1334	1352	AKLLVYNPQCNPIGMQ SR				Carbamidomethyl (C)[10], Oxidation (M)[16]					Mascot
	2249.1084	2249.033	-0.0754	-34	1441	1460	GNSTKPYVVSNFINSSET LK									Mascot
	2955.4517	2955.5	0.0483	16	233	259	KTSSTNQYHTINGYINSTL PGLSVCEK									Mascot
	3337.5356	3337.7405	0.2049	61	1413	1440	TSMGLSEFFTILYSISYSN DQENWSVYR									Mascot

	3338.4753	3338.7202	0.2449	73	355	383	HTNDDEEEDDEDNMFSV VFKQGGPISVLR					Oxidation (M)[14]	Mascot
17	novel protein [Danio rerio]				gi 220679564		9886.7	8.37	5	29	0		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	864.4218	864.4991	0.0773	89	33	38	WLMVCR				Carbamidomethyl (C)[5]		Mascot
	1731.839	1731.8127	-0.0263	-15	57	69	SASLEYFWHLWHR						Mascot
	2571.033	2571.2007	0.1677	65	2	23	IPEYSMSSAASSDMCPY MPVCR				Carbamidomethyl (C)[15,21], Oxidation (M)[6,14]		Mascot
	2572.0356	2572.2273	0.1917	75	1	23	MIPEYSMSSAASSDMCP YMPVCR				Oxidation (M)[1]		Mascot
	3338.4255	3338.7202	0.2947	88	2	32	IPEYSMSSAASSDMCPY MPVCRSAVPGSSDR				Carbamidomethyl (C)[15]		Mascot
18	39S ribosomal protein L13, mitochondrial [Danio rerio]				gi 66472680		20769.7	9.74	6	29	0		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	838.4022	838.5268	0.1246	149	119	124	RTMMQR				Oxidation (M)[3]		Mascot
	850.4273	850.5295	0.1022	120	31	38	IASMCAVR						Mascot
	850.4273	850.5295	0.1022	120	31	38	IASMCAVR						Mascot
	1165.575	1165.7273	0.1523	131	7	16	SAQQWATFAR						Mascot
	1165.575	1165.7273	0.1523	131	7	16	SAQQWATFAR						Mascot
	1747.9775	1747.8071	-0.1704	-97	99	114	DSTAIKLAVYGMLPR						Mascot
	1763.9578	1763.8048	-0.153	-87	125	139	LHLFPDDVLPEDILK						Mascot
	2443.2361	2443.1145	-0.1216	-50	120	139	TMMQRLHLFPDDVLPEDI LK				Oxidation (M)[2,3]		Mascot
19	protein arginine N-methyltransferase 6 [Danio rerio]				gi 255652853		39900	5.3	7	29	0		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	921.4094	921.4865	0.0771	84	105	111	LNQMEDR				Oxidation (M)[4]		Mascot
	1062.6194	1062.675	0.0556	52	278	287	ALVLSTSPFK						Mascot
	1737.703	1737.8065	0.1035	60	192	206	GQYGVDMSCMTDFAR				Carbamidomethyl (C)[9]		Mascot
	2104.1218	2103.947	-0.1748	-83	64	85	VVLVDVGAGTGVLSLFCA QAGAR						Mascot
	2104.1218	2103.947	-0.1748	-83	64	85	VVLVDVGAGTGVLSLFCA QAGAR						Mascot
	2571.2615	2571.2007	-0.0608	-24	208	230	CIMNKDITVNPVTVEDVL SHPCK				Oxidation (M)[3]		Mascot
	2675.4185	2675.1672	-0.2513	-94	59	85	SIEGKVVLVDVGAGTGVLS				Carbamidomethyl (C)[21]		Mascot

		2689.1731	2689.1975	0.0244	9	184	206	LFCAQAGAR LDFWSTVKGQYGVDMSC MTDFAR				Oxidation (M)[15,18]	Mascot
		2689.1731	2689.1975	0.0244	9	184	206	LDFWSTVKGQYGVDMSC MTDFAR				Oxidation (M)[15,18]	Mascot
20	N(6)-adenine-specific DNA methyltransferase 2 [Danio rerio]	gi 46309537	18902.4	5.21	5	29	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1279.6715	1279.7588	0.0873	68	28	39	IACLSAPSVYQK					Mascot
1407.7114	1407.7223	0.0109	8	48	60	SDGVSAVLLEFDR					Mascot
2101.9807	2101.9658	-0.0149	-7	139	155	MCSFLPRHNHNLANEFR			Oxidation (M)[1]		Mascot
2120.0981	2119.9622	-0.1359	-64	42	60	QLESVRSQGVSAVLLEFD R					Mascot
2225.2031	2225.0859	-0.1172	-53	119	138	ILLCTGAIMEEHAGKLLDL K			Carbamidomethyl (C)[4]		Mascot
2225.2031	2225.0859	-0.1172	-53	119	138	ILLCTGAIMEEHAGKLLDL K			Carbamidomethyl (C)[4]		Mascot

21	Fgfr4 protein [Danio rerio]	gi 66267492	99657.1	6	11	29	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.425	870.5181	0.0931	107	502	508	MQVHPSR			Oxidation (M)[1]		Mascot
1045.5636	1045.5455	-0.0181	-17	21	30	SITSGEPRAK					Mascot
1448.8147	1448.9067	0.092	64	404	416	YGPDGIPYVKIVK					Mascot
2012.9589	2012.9399	-0.019	-9	623	639	DLADLISEMELMKVMDK			Oxidation (M)[9,12]		Mascot
2102.1392	2101.9658	-0.1734	-82	37	56	HILTPGYPENATVLVGGH VK					Mascot
2104.02	2103.947	-0.073	-35	698	716	DLVSCAYQVARGMEYLA SK					Mascot
2104.02	2103.947	-0.073	-35	698	716	DLVSCAYQVARGMEYLA SK					Mascot
2120.0151	2119.9622	-0.0529	-25	698	716	DLVSCAYQVARGMEYLA SK			Oxidation (M)[13]		Mascot
2232.9946	2233.0483	0.0537	24	814	831	EGHRMDKPSNCTHELYM K			Carbamidomethyl (C)[11]		Mascot
2248.9895	2249.033	0.0435	19	814	831	EGHRMDKPSNCTHELYM K			Carbamidomethyl (C)[11], Oxidation (M)[5]		Mascot
2299.2375	2299.1448	-0.0927	-40	2	20	LSILKVFIACFMELVCSR			Carbamidomethyl (C)[11,17]		Mascot
2572.272	2572.2273	-0.0447	-17	7	28	VFIAICFMELVCSRSITSG EPR			Carbamidomethyl (C)[6,12]		Mascot
2598.2908	2598.2024	-0.0884	-34	676	697	RPPGMDYTFDVTKVPEE QLTFK					Mascot
2933.4204	2933.5264	0.106	36	186	211	TQIRAAVMEIADVITYEDS GVYVCMLR					Mascot
2933.4204	2933.5264	0.106	36	186	211	TQIRAAVMEIADVITYEDS					Mascot

22 GVYVCMLR
 RecName: Full=Contactin-1a; AltName: Full=F3/F11/contactin; AltName: Full=Neural cell recognition m
 gi|55976512 114263.1 6.25 12 28 0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.5111	856.5146	0.0035	4	434	441	LLGARNGR					Mascot
1045.5173	1045.5455	0.0282	27	562	569	DAQHYQRK					Mascot
1062.5513	1062.675	0.1237	116	442	449	VVFECRPR			Carbamidomethyl (C)[5]		Mascot
1407.8318	1407.7223	-0.1095	-78	918	930	SPPSRPPKIISTK					Mascot
2224.9749	2225.0859	0.111	50	388	406	FSRLGFEDSGMYQCVAE NR			Oxidation (M)[11]		Mascot
2225.1772	2225.0859	-0.0913	-41	695	716	VIATNTLTGTGPPSEPSK TTTR					Mascot
2230.0305	2230.1809	0.1504	67	114	134	SKHAGNYTCVASNQYGS VTSR					Mascot
2283.092	2283.1499	0.0579	25	594	614	YSCTAQTTPVDNTTASAE VVR			Carbamidomethyl (C)[3]		Mascot
2283.092	2283.1499	0.0579	25	594	614	YSCTAQTTPVDNTTASAE VVR			Carbamidomethyl (C)[3]		Mascot
2284.2131	2284.1421	-0.071	-31	442	460	VVFECRPRAAPRPNITW SK			Carbamidomethyl (C)[5]		Mascot
2299.1426	2299.1448	0.0022	1	986	1007	GEYLVVRAHSEGGDGA VAQVR					Mascot
2571.2581	2571.2007	-0.0574	-22	570	593	MDSASGTSSSELLITHQ LRHAGR			Oxidation (M)[1]		Mascot
3338.7102	3338.7202	0.01	3	256	284	SPDSWALLGQNVLTLECF ALGNPIPIQIRWR			Carbamidomethyl (C)[16]		Mascot

23 novel NACHT domain containing protein [Danio rerio] gi|148725674 78996.7 5.72 10 28 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
921.4424	921.4865	0.0441	48	44	50	NELENFR				Mascot
969.4346	969.544	0.1094	113	468	475	DCGIDVYK			Carbamidomethyl (C)[2]	Mascot
990.5366	990.5233	-0.0133	-13	449	456	LAFQQLDR				Mascot
1045.5272	1045.5455	0.0183	18	574	582	GLLTQQDDR				Mascot
1062.5803	1062.675	0.0947	89	419	426	FQIQQSRR				Mascot
1306.6671	1306.7334	0.0663	51	529	539	SRDESMIDLLK				Mascot
2211.2092	2211.0725	-0.1367	-62	70	88	SIITEAALDLTLFFLREMK				Mascot
2298.1812	2298.1436	-0.0376	-16	408	425	TLTQMYTHFLRFQIQQSR				Mascot
2571.2395	2571.2007	-0.0388	-15	86	107	EMKQDQAADTLQGELFF TNQLK			Oxidation (M)[2]	Mascot
2598.2869	2598.2024	-0.0845	-33	89	111	QDQAADTLQGELFFTNQ LKCSLK				Mascot

24 PREDICTED: zinc finger protein 41 [Danio rerio] gi|326680510 48832.9 9.3 10 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4501	882.5524	0.1023	116	181	187	CELSFRK					Mascot
990.4752	990.3658	-0.1094	-110	217	224	QTFNSHTR					Mascot
990.4752	990.5233	0.0481	49	217	224	QTFNSHTR					Mascot
1448.6951	1448.9067	0.2116	146	169	180	IHTGEKPYSCTR			Carbamidomethyl (C)[10]		Mascot
1731.6746	1731.8127	0.1381	80	399	412	AYACSQCGMSFMYR			Carbamidomethyl (C)[4,7]		Mascot
1747.9308	1747.8071	-0.1237	-71	3	17	LLPPCDAIMKMAFIK			Carbamidomethyl (C)[5]		Mascot
1763.9257	1763.8048	-0.1209	-69	3	17	LLPPCDAIMKMAFIK			Carbamidomethyl (C)[5], Oxidation (M)[9]		Mascot
2103.9333	2103.947	0.0137	7	225	244	NHTGEKPHTCAQCGSSF ATK					Mascot
2103.9333	2103.947	0.0137	7	225	244	NHTGEKPHTCAQCGSSF ATK					Mascot
2233.0891	2233.0483	-0.0408	-18	197	216	IHTGEKPYLCAQCGLSFT HK					Mascot
2283.0757	2283.1499	0.0742	33	113	131	VHTGEKPYRCSQCGLSF TR			Carbamidomethyl (C)[10,13]		Mascot
2283.0757	2283.1499	0.0742	33	113	131	VHTGEKPYRCSQCGLSF TR			Carbamidomethyl (C)[10,13]		Mascot
2298.9763	2299.1448	0.1685	73	393	412	IHTGEKAYACSQCGMSF MYR			Oxidation (M)[15]		Mascot
2955.4465	2955.5	0.0535	18	329	354	TALNSHVRHNAVKPYTC SHCGQSFK			Carbamidomethyl (C)[18]		Mascot

25 Zgc:153813 protein [Danio rerio] gi|71679669 99735.2 5.54 11 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.473	842.4933	0.0203	24	831	840	SGGAAAAPLK					Mascot
848.426	848.5133	0.0873	103	153	159	YPVENAR					Mascot
864.4573	864.4991	0.0418	48	5	11	FNTVDIR					Mascot
1133.5698	1133.701	0.1312	116	151	159	ERYPVENAR					Mascot
1165.5847	1165.7273	0.1426	122	137	146	FRTAEAEVDK					Mascot
1165.5847	1165.7273	0.1426	122	137	146	FRTAEAEVDK					Mascot
1731.8405	1731.8127	-0.0278	-16	382	398	MVTEAQAAGDPVACAIK			Carbamidomethyl (C)[14]		Mascot
1747.8353	1747.8071	-0.0282	-16	382	398	MVTEAQAAGDPVACAIK			Carbamidomethyl (C)[14], Oxidation (M)[1]		Mascot
1763.965	1763.8048	-0.1602	-91	437	453	AVLVLDIDINLSAHANAK					Mascot
2102.062	2101.9658	-0.0962	-46	382	401	MVTEAQAAGDPVACAIK ELK			Carbamidomethyl (C)[14]		Mascot
2118.0569	2117.9585	-0.0984	-46	382	401	MVTEAQAAGDPVACAIK ELK			Carbamidomethyl (C)[14], Oxidation (M)[1]		Mascot

	2443.0701	2443.1145	0.0444	18	58	77	IHCTEFDWPKNMMPSGF AMK				Carbamidomethyl (C)[3], Oxidation (M)[12]	Mascot
	2572.2122	2572.2273	0.0151	6	768	790	TAHTDTPQESQVNT DTQVKK					Mascot
	2689.2126	2689.1975	-0.0151	-6	287	308	YVEFESFNKAVDEFFSQ MESQK					Mascot
	2689.2126	2689.1975	-0.0151	-6	287	308	YVEFESFNKAVDEFFSQ MESQK					Mascot
26	beta-1,3-galactosyltransferase 6 [Danio rerio]				gi 113675498		38567.2	8.52	7	28	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.4545	848.5133	0.0588	69	305	311	LCKEEVK					Mascot
1045.4949	1045.5455	0.0506	48	268	275	FDTEYKSR					Mascot
1133.6282	1133.701	0.0728	64	1	9	MNLLRLVCR			Oxidation (M)[1]		Mascot
1306.6572	1306.7334	0.0762	58	276	286	GCSNKYLVTHK			Carbamidomethyl (C)[2]		Mascot
2101.947	2101.9658	0.0188	9	314	330	LSYIYDWSVPPSQCCQR			Carbamidomethyl (C)[14]		Mascot
2230.042	2230.1809	0.1389	62	314	331	LSYIYDWSVPPSQCCQR K			Carbamidomethyl (C)[14]		Mascot
3337.6238	3337.7405	0.1167	35	204	232	WKESAWELCDYYLPYAL GGGYVLSADLVR					Mascot

27	PREDICTED: hypothetical protein LOC100535504, partial [Danio rerio]				gi 326667405		50191.8	7.03	8	27	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.4478	801.341	-0.1068	-133	366	371	RSHFVR					Mascot
850.4127	850.5295	0.1168	137	47	53	IEGPCFK			Carbamidomethyl (C)[5]		Mascot
850.4127	850.5295	0.1168	137	47	53	IEGPCFK			Carbamidomethyl (C)[5]		Mascot
868.5502	868.5345	-0.0157	-18	435	443	VVPLSLAGL					Mascot
1062.5764	1062.675	0.0986	93	47	55	IEGPCFKIR					Mascot
1715.7257	1715.8234	0.0977	57	182	194	FCVTDEDFQYYTK			Carbamidomethyl (C)[2]		Mascot
1715.7257	1715.8234	0.0977	57	182	194	FCVTDEDFQYYTK			Carbamidomethyl (C)[2]		Mascot
1747.7019	1747.8071	0.1052	60	8	21	CYCSPCCSNKQK			Carbamidomethyl (C)[1,3,7]		Mascot
2283.8743	2284.1421	0.2678	117	1	19	MAQSSCKCYSPCCSN NK			Carbamidomethyl (C)[6,8,10,14]		Mascot
2299.8691	2300.1487	0.2796	122	1	19	MAQSSCKCYSPCCSN NK			Carbamidomethyl (C)[6,8,10,14], Oxidation (M)[1]		Mascot
2465.1885	2465.0767	-0.1118	-45	90	110	FFWNDWVGKGTDEIPLS VNPR					Mascot

28	novel protein similar to vertebrate arginyl-tRNA synthetase-like (RARSL, zgc:63702) [Danio rerio]				gi 220673255		67264.7	8.55	9	27	0	
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Peptide Information		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
		801.3858	801.341	-0.0448	-56	424	429 MIHNMR					Mascot
		856.4246	856.5146	0.09	105	2	7 ACFFRR			Carbamidomethyl (C)[2]		Mascot
		921.4312	921.4865	0.0553	60	107	115 SDPDGFGVK					Mascot
		990.5101	990.3658	-0.1443	-146	315	324 GTGVVDLSDK					Mascot
		990.5101	990.5233	0.0132	13	315	324 GTGVVDLSDK					Mascot
		1062.5592	1062.675	0.1158	109	241	249 SAAAHFFRR					Mascot
		1165.7052	1165.7273	0.0221	19	514	523 SVSLLQHLLR					Mascot
		1165.7052	1165.7273	0.0221	19	514	523 SVSLLQHLLR					Mascot
		1768.9197	1768.8323	-0.0874	-49	572	587 LCLFSSVRSVLANGMR			Oxidation (M)[15]		Mascot
		2572.3503	2572.2273	-0.123	-48	436	458 ELEDPEVTAERIGISALIV QDFK					Mascot
		2689.4243	2689.1975	-0.2268	-84	472	495 VLQAQGDGTGVFLQYTHA RLCSLLR					Mascot
		2689.4243	2689.1975	-0.2268	-84	472	495 VLQAQGDGTGVFLQYTHA RLCSLLR					Mascot
29	novel protein similar to vertebrate ADAM metalloproteinase with thrombospondin type 1 motif, 7 (ADAM						gi 148726085	57496	5.5	8	27	0

Peptide Information		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
		856.3981	856.5146	0.1165	136	303	309 YCTGERK					Mascot
		1051.6146	1051.6984	0.0838	80	21	29 LILLHGEEK					Mascot
		1051.6146	1051.6984	0.0838	80	21	29 LILLHGEEK					Mascot
		1407.6759	1407.7223	0.0464	33	248	259 WCISGECVIVGK			Carbamidomethyl (C)[2,7]		Mascot
		2102.1868	2101.9658	-0.221	-105	1	20 VAGIFHDASIGNAIHIVLV R					Mascot
		2284.0518	2284.1421	0.0903	40	389	410 NICVNGVCKEVGCDFFGIN SNAK					Mascot
		2300.1855	2300.1487	-0.0368	-16	30	49 GLKIIHHADTTLSFCTW QK					Mascot
		2689.2749	2689.1975	-0.0774	-29	138	160 QPFIMSRQLQYDSSPLT WSSCSK					Mascot
		2689.2749	2689.1975	-0.0774	-29	138	160 QPFIMSRQLQYDSSPLT WSSCSK					Mascot
		2955.2786	2955.5	0.2214	75	72	97 DVCAGMNQPCETLGLSH LSGMCQPHR			Carbamidomethyl (C)[3,10,22]		Mascot
30	novel protein similar to Rho GTPase activating protein 12 (arhgap12) [Danio rerio]						gi 169158589	54559.8	6.64	8	27	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.4176	870.5181	0.1005	115	254	260	HTDERGR					Mascot
1407.6652	1407.7223	0.0571	41	259	270	GRLYYYSADGSR					Mascot
1566.7944	1566.7186	-0.0758	-48	59	73	SPCPSPSSTALLPPR			Carbamidomethyl (C)[3]		Mascot
1715.8096	1715.8234	0.0138	8	313	326	TQRHSIYSHETNDK					Mascot
1715.8096	1715.8234	0.0138	8	313	326	TQRHSIYSHETNDK					Mascot
2012.9833	2012.9399	-0.0434	-22	85	102	HLPPAQMNTPGSLPCF R					Mascot
2063.9709	2064.0337	0.0628	30	261	277	LYYYSADGSRSEWELPK					Mascot
2298.228	2298.1436	-0.0844	-37	370	388	KNWTSYWTVLQGSLLIFN K					Mascot
2703.301	2703.2061	-0.0949	-35	186	210	ISQSSTPPLPSSSPIHTNG DWETHK					Mascot

31 PREDICTED: dynein heavy chain 1, axonemal [Danio rerio] gi|326671940 313752.7 5.5 21 27 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.5614	856.5146	-0.0468	-55	2303	2310	GIKANLLK					Mascot
990.5037	990.3658	-0.1379	-139	1765	1772	DNRLDVMK					Mascot
990.5037	990.5233	0.0196	20	1765	1772	DNRLDVMK					Mascot
1045.604	1045.5455	-0.0585	-56	1959	1967	LEYVPVAVR					Mascot
1062.5863	1062.675	0.0887	83	493	502	LCLSSGEIHK					Mascot
1165.5922	1165.7273	0.1351	116	2770	2780	QGVALICALDY					Mascot
1165.5922	1165.7273	0.1351	116	2770	2780	QGVALICALDY					Mascot
1225.5365	1225.6703	0.1338	109	457	467	DGASSMEQEKK			Oxidation (M)[6]		Mascot
1279.6715	1279.7588	0.0873	68	962	973	VFQGILMAEAGK			Oxidation (M)[7]		Mascot
1448.7856	1448.9067	0.1211	84	2260	2271	LIENIDPDKVHR					Mascot
1731.8153	1731.8127	-0.0026	-2	294	307	RENPDMMNEELICLR					Mascot
1747.8102	1747.8071	-0.0031	-2	294	307	RENPDMMNEELICLR			Oxidation (M)[6]		Mascot
1763.936	1763.8048	-0.1312	-74	962	977	VFQGILMAEAGKIENK			Oxidation (M)[7]		Mascot
2013.066	2012.9399	-0.1261	-63	2038	2054	LMFAFLLCARILTNSDK			Carbamidomethyl (C)[8]		Mascot
2064.0293	2064.0337	0.0044	2	2705	2721	ELYTEMAVIWMVPVPIR			Oxidation (M)[6]		Mascot
2104.0403	2103.947	-0.0933	-44	1391	1409	EDTVVAEETRVAVQAEE TK					Mascot
2104.0403	2103.947	-0.0933	-44	1391	1409	EDTVVAEETRVAVQAEE TK					Mascot
2211.1248	2211.0725	-0.0523	-24	578	597	ESIKEVITSMDSNLTCSLL K					Mascot
2230.1438	2230.1809	0.0371	17	974	990	IENKIQLQLWYHESCR			Carbamidomethyl (C)[16]		Mascot

	2284.1411	2284.1421	0.001	0	578	597	ESIKEVITSMDSNLTCSSLK		Carbamidomethyl (C)[16], Oxidation (M)[10]	Mascot	
	2298.1772	2298.1436	-0.0336	-15	770	788	LLKNMPAEYITHFLMFSA R		Oxidation (M)[5]	Mascot	
	2299.0798	2299.1448	0.065	28	2311	2330	TYASVTEDFITCKTAEF K		Carbamidomethyl (C)[13]	Mascot	
	2300.1301	2300.1487	0.0186	8	2527	2545	YPVMYEESMNTVLVQEV R			Mascot	
	2571.2554	2571.2007	-0.0547	-21	862	885	NLVDINFACAMGPPGGG RNPITQR		Carbamidomethyl (C)[9], Oxidation (M)[11]	Mascot	
	2689.2563	2689.1975	-0.0588	-22	2215	2240	MNAISLGQGQGPSAEVM MHSAMEKGK			Mascot	
	2689.2563	2689.1975	-0.0588	-22	2215	2240	MNAISLGQGQGPSAEVM MHSAMEKGK			Mascot	
	3337.751	3337.7405	-0.0105	-3	906	934	IFSTILGSWMQKTPMKP FCKPLVDATIR			Mascot	
32	archain 1 like [Danio rerio]				gi 42543996		56687.2	5.66	8	27	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
990.485	990.3658	-0.1192	-120	149	156	ETQEREAK					Mascot
990.485	990.5233	0.0383	39	149	156	ETQEREAK					Mascot
1045.6074	1045.5455	-0.0619	-59	2	11	VLLAAAVCTK			Carbamidomethyl (C)[8]		Mascot
1448.7963	1448.9067	0.1104	76	1	14	MVLLAAAVCTKAGK			Carbamidomethyl (C)[9], Oxidation (M)[1]		Mascot
1763.8738	1763.8048	-0.069	-39	498	512	FSSETSFVVDKYEIL					Mascot
2102.1606	2101.9658	-0.1948	-93	56	72	YVYQPLEKLYMVLITTK					Mascot
2104.1218	2103.947	-0.1748	-83	263	280	VLQPPVNMESVHLRVEE K					Mascot
2104.1218	2103.947	-0.1748	-83	263	280	VLQPPVNMESVHLRVEE K					Mascot
2118.1555	2117.9585	-0.197	-93	56	72	YVYQPLEKLYMVLITTK			Oxidation (M)[11]		Mascot
2120.1167	2119.9622	-0.1545	-73	263	280	VLQPPVNMESVHLRVEE K			Oxidation (M)[8]		Mascot
2211.1113	2211.0725	-0.0388	-18	478	497	NFCDIQVAKVTYVEGGSP VK			Carbamidomethyl (C)[3]		Mascot
2465.2561	2465.0767	-0.1794	-73	281	303	ISLTCGRDGGGLQNMEVL GMITLK			Oxidation (M)[14]		Mascot

33 caveolin-1 isoform a [Danio rerio] gi|47086737 20639.4 5.84 5 27 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1225.6357	1225.6703	0.0346	28	169	179	CFSNVRVTATK					Mascot
1279.6641	1279.7588	0.0947	74	58	68	DPKHLNDDEVK					Mascot
1747.7922	1747.8071	0.0149	9	7	21	DGTPEEEYAHSPFIR					Mascot
2233.0127	2233.0483	0.0356	16	150	168	VYSICVHTFCDPLFEAMG			Carbamidomethyl (C)[5], Oxidation (M)[17]		Mascot

2284.0518

2284.1421

0.0903

40

2

K

TSGYKDGTPPEEEYAHSP

FIR

Mascot

34

PREDICTED: LOW QUALITY PROTEIN: ryanodine receptor 2 [Danio rerio]

gi|189530774

552356.6

5.83

30

27

0

Peptide Information										Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification		
801.4464	801.341	-0.1054	-132	470	477	QGDIGALK					Mascot
838.4603	838.5268	0.0665	79	1372	1377	QRFMLK			Oxidation (M)[4]		Mascot
848.4777	848.5133	0.0356	42	3528	3533	RPVWYK					Mascot
921.49	921.4865	-0.0035	-4	1074	1081	SVGAERFR					Mascot
996.468	996.5809	0.1129	113	1563	1571	NANPQCPPR					Mascot
996.5624	996.5809	0.0185	19	3510	3516	LEIYFRR					Mascot
1045.5459	1045.5455	-0.0004	0	75	83	ALQEMLANR					Mascot
1051.5604	1051.6984	0.138	131	2440	2448	AAMVLFLDR			Oxidation (M)[3]		Mascot
1051.5604	1051.6984	0.138	131	2440	2448	AAMVLFLDR			Oxidation (M)[3]		Mascot
1062.5327	1062.675	0.1423	134	1730	1738	VERFPGSDR					Mascot
1165.567	1165.7273	0.1603	138	33	43	LCLAAEGFGER					Mascot
1165.567	1165.7273	0.1603	138	33	43	LCLAAEGFGER					Mascot
1279.7157	1279.7588	0.0431	34	2896	2906	FAYGLIQQALR					Mascot
1306.7339	1306.7334	-0.0005	0	734	744	RVSSPNQHLLR					Mascot
1566.8625	1566.7186	-0.1439	-92	1760	1773	IDLDSPEIPLDVLK					Mascot
1715.7733	1715.8234	0.0501	29	515	529	EAGECWEGVLNAFYK					Mascot
1715.7733	1715.8234	0.0501	29	515	529	EAGECWEGVLNAFYK					Mascot
1731.9462	1731.8127	-0.1335	-77	4298	4312	DPQLLTDFGLCLKR					Mascot
1747.7719	1747.8071	0.0352	20	4863	4875	CWEFFPVGDCFRK			Carbamidomethyl (C)[1,10]		Mascot
2012.8722	2012.9399	0.0677	34	2113	2129	EEEECMIRGLGDIMNNK			Oxidation (M)[6,14]		Mascot
2103.9004	2103.947	0.0466	22	1468	1486	RSSCYMVCAAEGSSLSH SR			Carbamidomethyl (C)[4], Oxidation (M)[6]		Mascot
2103.9004	2103.947	0.0466	22	1468	1486	RSSCYMVCAAEGSSLSH SR			Carbamidomethyl (C)[4], Oxidation (M)[6]		Mascot
2125.949	2125.9348	-0.0142	-7	3618	3635	SKLEEDGLYMCYAEIMAK			Oxidation (M)[10,16]		Mascot
2211.1018	2211.0725	-0.0293	-13	601	620	NHKILDVLCSLCVCHGMA VR					Mascot
2229.8894	2230.1809	0.2915	131	4721	4737	CDDMLTCYMFHMYGVGR			Carbamidomethyl (C)[1,7], Oxidation (M)[4,9]		Mascot
2233.0884	2233.0483	-0.0401	-18	1898	1917	VEAVISFSGDFVGHQLQED QR					Mascot
2249.2024	2249.033	-0.1694	-75	2517	2538	SGPVDELLQGVYLSKA SGLTK					Mascot
2283.2324	2283.1499	-0.0825	-36	3360	3378	LFSLVAEVFIFWAKSHNF K					Mascot

	2283.2324	2283.1499	-0.0825	-36	3360	3378	LFSLVAEVFIFWAKSHNF K							Mascot
	2284.1182	2284.1421	0.0239	10	601	620	NHKILDVLCSLCVCHGMA VR					Carbamidomethyl (C)[9], Oxidation (M)[17]		Mascot
	2299.1499	2299.1448	-0.0051	-2	3472	3491	AYIHSILQQDLCGNSVDP LR					Carbamidomethyl (C)[12]		Mascot
	2300.2068	2300.1487	-0.0581	-25	3106	3125	ILSSLYILGTCSGSFIERQ R					Carbamidomethyl (C)[11]		Mascot
	2443.1453	2443.1145	-0.0308	-13	75	96	ALQEMLANREDLCTASH EAAGR					Carbamidomethyl (C)[13]		Mascot
	2675.3782	2675.1672	-0.211	-79	2493	2516	YLCVAVLPILLSKYSSLLC ESSSSR					Carbamidomethyl (C)[3]		Mascot
	2955.6357	2955.5	-0.1357	-46	4415	4438	NFYNMRLALFLAFAINF LLFYK							Mascot
	3324.6416	3324.6646	0.023	7	3030	3060	GSIGSFEEAAAEDLELMV ENVTL DGLNRAQK							Mascot

35 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12 [Danio rerio] gi|74315939 16958.4 9.39 5 27 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4501	882.5524	0.1023	116	2	9	AGYATLMR					Mascot
1045.4805	1045.5455	0.065	62	1	9	MAGYATLMR			Oxidation (M)[1,8]		Mascot
1133.6466	1133.701	0.0544	48	134	142	KIHEWVPPK					Mascot
2101.947	2101.9658	0.0188	9	90	107	WLHCMTDDPPTTHPPEP K					Mascot
2117.9419	2117.9585	0.0166	8	90	107	WLHCMTDDPPTTHPPEP K			Oxidation (M)[5]		Mascot
2230.042	2230.1809	0.1389	62	90	108	WLHCMTDDPPTTHPPEP KK					Mascot

36 RecName: Full=SH3 domain-binding protein 4-A gi|123888628 108383 7.89 13 27 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5822	842.4933	-0.0889	-106	663	669	LIKTVIR					Mascot
850.4338	850.5295	0.0957	113	387	393	LSNMEIK			Oxidation (M)[4]		Mascot
850.4338	850.5295	0.0957	113	387	393	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.5181	0.0455	52	1	7	MAHRIR			Oxidation (M)[1]		Mascot
1045.4796	1045.5455	0.0659	63	791	799	AELDSEPER					Mascot
1306.6102	1306.7334	0.1232	94	703	712	EWYIGYYQGK					Mascot
1407.6606	1407.7223	0.0617	44	408	419	TESPM AEIVCVR			Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot
2064.0259	2064.0337	0.0078	4	773	790	AFADALSYVNLPLTYFCR					Mascot
2118.1958	2117.9585	-0.2373	-112	636	653	IILSPLAITTKYPQFQER					Mascot
2230.2417	2230.1809	-0.0608	-27	842	860	LIMDFVLLTTAVEVAPRW R					Mascot

	2284.2368	2284.1421	-0.0947	-41	492	513	TVVAIFGHDCAPKTLVSEVGK						Mascot
	2300.0686	2300.1487	0.0801	35	597	616	DDQDCILAQFCVQTPQP PPK	Carbamidomethyl (C)[5]					Mascot
	3337.6052	3337.7405	0.1353	41	298	327	LARSCHDLESLGQNPWG GQTQPVETNIVCK	Carbamidomethyl (C)[5]					Mascot
	3338.5496	3338.7202	0.1706	51	885	913	TGMVDSEAMWKPAYDFL LTWAAQIGDSYR	Oxidation (M)[3]					Mascot
37	CD4-2 protein [Danio rerio]				gi 205830379		44578	9.15	7	26	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
2103.8682	2103.947	0.0788	37	362	378	DYCQCNRCTSSSFTLR			Carbamidomethyl (C)[3]		Mascot
2103.8682	2103.947	0.0788	37	362	378	DYCQCNRCTSSSFTLR			Carbamidomethyl (C)[3]		Mascot
2233.0051	2233.0483	0.0432	19	264	283	VQSSFAGKFMCEVEFEH GGK			Oxidation (M)[10]		Mascot
2284.2004	2284.1421	-0.0583	-26	194	214	EDIELPCFLPRVQSQSVL GGK					Mascot
2321.2822	2321.1194	-0.1628	-70	173	193	LSVTLTVVANHQINIVEVS ER					Mascot
2572.4094	2572.2273	-0.1821	-71	2	25	IFFLLLALSVSSGVCDVLY KEAGK					Mascot
2598.3748	2598.2024	-0.1724	-66	194	216	EDIELPCFLPRVQSQSVL GGKWK					Mascot
2703.45	2703.2061	-0.2439	-90	1	25	MIFFLLLALSVSSGVCDVL YKEAGK					Mascot

38 PREDICTED: calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C-like, partial gi|326681376 45655.3 5.68 8 26 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
848.4481	848.5133	0.0652	77	104	110	QMGLMLR					Mascot
856.5515	856.5146	-0.0369	-43	27	32	IWLRLR					Mascot
864.4429	864.4991	0.0562	65	104	110	QMGLMLR			Oxidation (M)[2]		Mascot
1045.5823	1045.5455	-0.0368	-35	37	44	CLVKQLER			Carbamidomethyl (C)[1]		Mascot
1062.5691	1062.675	0.1059	100	112	119	TEEKPRFR					Mascot
1133.5837	1133.701	0.1173	103	18	26	YLQPDQIEK					Mascot
2249.1128	2249.033	-0.0798	-35	322	341	ALVVEMVLATDMSCHFQ QVK					Mascot
2283.2634	2283.1499	-0.1135	-50	193	213	FKIPVSALVSFVEALEVG YSK					Mascot
2283.2634	2283.1499	-0.1135	-50	193	213	FKIPVSALVSFVEALEVG YSK					Mascot
2299.2583	2299.1448	-0.1135	-49	195	215	IPVSALVSFVEALEVGYS KYK					Mascot

39 fascin 2A [Danio rerio] gi|184186129 54837.1 5.91 8 26 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
921.4458	921.4865	0.0407	44	33	41 INASGNSMK					Mascot
996.493	996.5809	0.0879	88	186	193 TCDNRFLK					Mascot
996.493	996.5809	0.0879	88	186	193 TCDNRFLK					Mascot
1165.6034	1165.7273	0.1239	106	88	97 FLIVMQSDGR					Mascot
1165.6034	1165.7273	0.1239	106	88	97 FLIVMQSDGR					Mascot
2104.0742	2103.947	-0.1272	-60	198	216 LVMEHGPNTSFTLELKSG K			Oxidation (M)[3]		Mascot
2104.0742	2103.947	-0.1272	-60	198	216 LVMEHGPNTSFTLELKSG K			Oxidation (M)[3]		Mascot
2120.0505	2119.9622	-0.0883	-42	354	373 NGQLAAVSDSLGEDEQF VLK					Mascot
2230.1172	2230.1809	0.0637	29	194	213 NDGKLVMEHGPNTSFTL ELK					Mascot
2283.2205	2283.1499	-0.0706	-31	2	22 STNGISAALKLQFGLINHE NR					Mascot
2283.2205	2283.1499	-0.0706	-31	2	22 STNGISAALKLQFGLINHE NR					Mascot
2571.1272	2571.2007	0.0735	29	77	97 CEEEVPTDCRFLIVMQS DGR			Carbamidomethyl (C)[1,10], Oxidation (M)[16]		Mascot
40	novel protein similar to methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methenyltetrahy				gij56316149	13572	5.27	4	26	0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1279.6464	1279.7588	0.1124	88	54	64	THLSLSHMPEK					Mascot
1407.7413	1407.7223	-0.019	-13	54	65	THLSLSHMPEKK					Mascot
1747.9741	1747.8071	-0.167	-96	1	14	FLYNLQDPIVEKIR					Mascot
3324.585	3324.6646	0.0796	24	36	64	IDYYNQGGFGALPICMAK THLSLSHMPEK			Oxidation (M)[16,26]		Mascot
41	methyltransferase-like protein 13 [Danio rerio]			gi 217416336		75976.5	5.99	9	26	0	

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type	
864.4032	864.4991	0.0959	111	504	510	DFVPCAR			Carbamidomethyl (C)[5]		Mascot	
1062.6306	1062.675	0.0444	42	589	597	KVYSLLSPR					Mascot	
1133.5771	1133.701	0.1239	109	242	250	QAYNLMLHK			Oxidation (M)[6]		Mascot	
1165.6221	1165.7273	0.1052	90	598	607	GLFMLNLVCR					Mascot	
1165.6221	1165.7273	0.1052	90	598	607	GLFMLNLVCR					Mascot	
2126.0149	2125.9348	-0.0801	-38	304	323	ESDWLYGSAEGRQLAS					Mascot	

	2283.1826	2283.1499	-0.0327	-14	536	556	SAK LKVTLGDLGHITTESE GER						Mascot
	2283.1826	2283.1499	-0.0327	-14	536	556	LKVTLGDLGHITTESE GER						Mascot
	2300.1226	2300.1487	0.0261	11	52	72	VLVVGCGNSELSEQLYD VGYR						Mascot
	2571.2581	2571.2007	-0.0574	-22	73	94	QLTNIDISETVSHMNQR NAER			Oxidation (M)[15]			Mascot
	3337.5254	3337.7405	0.2151	64	453	482	SVDRGFLCCTHHEVMVA GLAMLGMDAINNK			Carbamidomethyl (C)[8], Oxidation (M)[15,21,24]			Mascot
42	Acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain [Danio rerio]					gi 63101323	46101.2	8.28	7	26	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.4232	868.5345	0.1113	128	275	282	IAMGAFDK			Oxidation (M)[3]		Mascot
1306.7153	1306.7334	0.0181	14	73	83	SGEYPFPLIKR					Mascot
1715.7628	1715.8234	0.0606	35	338	351	MAYQRAAWEVDMGR			Oxidation (M)[1,12]		Mascot
1715.7628	1715.8234	0.0606	35	338	351	MAYQRAAWEVDMGR			Oxidation (M)[1,12]		Mascot
1737.913	1737.8065	-0.1065	-61	17	34	FQGTSAQASAKAATASL K					Mascot
2299.2339	2299.1448	-0.0891	-39	275	297	IAMGAFDKTRPPVAAGAT GLAQR					Mascot
2572.1438	2572.2273	0.0835	32	152	176	MTEEPLMCAYCVTEPGA GSDVAGIK					Mascot
2955.3718	2955.5	0.1282	43	152	178	MTEEPLMCAYCVTEPGA GSDVAGIKIR			Carbamidomethyl (C)[8,11]		Mascot

43 Zgc:153297 [Danio rerio] gi|116284267 22464.2 9.51 5 26 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.5039	868.5345	0.0306	35	42	48	SRFALFK					Mascot
969.4756	969.544	0.0684	71	140	146	FACRIMR			Carbamidomethyl (C)[3], Oxidation (M)[6]		Mascot
1306.6387	1306.7334	0.0947	72	76	86	DQHSISYTLR					Mascot
2443.1858	2443.1145	-0.0713	-29	176	197	WKTS DGQMDGLTTNGVL VMHPR					Mascot
2465.293	2465.0767	-0.2163	-88	52	75	SNGVKPSTVHVACTPQA AKAISNK			Carbamidomethyl (C)[13]		Mascot

44 G patch domain-containing protein 3 [Danio rerio] gi|123708207 75827.4 5.33 9 26 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4686	864.4991	0.0305	35	19	25	FRSADLR					Mascot

	1715.8823	1715.8234	-0.0589	-34	550	564	LRDGLTNTHIGSFER							Mascot
	1715.8823	1715.8234	-0.0589	-34	550	564	LRDGLTNTHIGSFER							Mascot
	1763.8671	1763.8048	-0.0623	-35	463	477	HEALHEDITAQERSK							Mascot
	2012.9745	2012.9399	-0.0346	-17	1	18	MAASEEVTYFVNNIPGR			Oxidation (M)[1]				Mascot
	2125.9854	2125.9348	-0.0506	-24	366	384	QDMSITSCKIQDTPTASQ R			Oxidation (M)[3]				Mascot
	2229.981	2230.1809	0.1999	90	26	43	NYFSQFIESGGFACFHYR			Carbamidomethyl (C)[14]				Mascot
	2233.1016	2233.0483	-0.0533	-24	385	404	KDTPPTSCIIQETPTTSQT K			Carbamidomethyl (C)[8]				Mascot
	2300.1492	2300.1487	-0.0005	0	1	20	MAASEEVTYFVNNIPGR FR							Mascot
	3324.4214	3324.6646	0.2432	73	577	606	QGWWDGEGLGNSQMG MAEALEDEGQHPHCK			Carbamidomethyl (C)[29]				Mascot
45	proteasome subunit beta type-2 [Danio rerio]				gi 50540284		22571.6	6.1	5	25	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
848.4182	848.5133	0.0951	112	163	169	CLEELNK					Mascot
864.4573	864.4991	0.0418	48	87	93	NLADYLR					Mascot
882.4753	882.5524	0.0771	87	35	41	MFKLSEK					Mascot
1051.5717	1051.6984	0.1267	120	63	70	NVQLYKMR					Mascot
1051.5717	1051.6984	0.1267	120	63	70	NVQLYKMR					Mascot
1306.7518	1306.7334	-0.0184	-14	171	181	FILNLPSFTVR					Mascot

46 hypothetical protein LOC559906 [Danio rerio] gi|198282017 48541.8 5.61 9 25 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4349	882.5524	0.1175	133	1	8	MSSSLSVR			Oxidation (M)[1]		Mascot
969.504	969.544	0.04	41	200	206	EELYFLR					Mascot
990.485	990.3658	-0.1192	-120	283	291	GAQSELTERR					Mascot
990.485	990.5233	0.0383	39	283	291	GAQSELTERR					Mascot
1051.5419	1051.6984	0.1565	149	246	254	SQYEGIVQK					Mascot
1051.5419	1051.6984	0.1565	149	246	254	SQYEGIVQK					Mascot
1062.5499	1062.675	0.1251	118	142	150	IMLEIDNAK			Oxidation (M)[2]		Mascot
1279.6641	1279.7588	0.0947	74	351	360	NKTDYEQLLR					Mascot
1768.901	1768.8323	-0.0687	-39	9	24	SLSLGRQPSFSSMSLR			Oxidation (M)[13]		Mascot
2298.0601	2298.1436	0.0835	36	115	134	GHDIDSMMAQAHALEQE VRK			Oxidation (M)[7,8]		Mascot
2299.0151	2299.1448	0.1297	56	160	178	WETESAMCQSVERDCV			Carbamidomethyl (C)[8,15]		Mascot

47 ribosome production factor 2 homolog [Danio rerio] gi|47550781 35438.5 10 6 25 0

ALK

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.5396	850.5295	-0.0101	-12	197	203	SYKVLLK					Mascot
850.5396	850.5295	-0.0101	-12	197	203	SYKVLLK					Mascot
856.4523	856.5146	0.0623	73	2	9	SHTDGIVK					Mascot
2283.0784	2283.1499	0.0715	31	135	154	CPEGTKPMLVFAGDLFE TDR			Carbamidomethyl (C)[1]		Mascot
2283.0784	2283.1499	0.0715	31	135	154	CPEGTKPMLVFAGDLFE TDR			Carbamidomethyl (C)[1]		Mascot
2298.2427	2298.1436	-0.0991	-43	177	196	LAGLEHVLHFTALEGKIY MR					Mascot
2299.0732	2299.1448	0.0716	31	135	154	CPEGTKPMLVFAGDLFE TDR			Carbamidomethyl (C)[1], Oxidation (M)[8]		Mascot
2689.2307	2689.1975	-0.0332	-12	132	154	MDKCPEGTKPMLVFAGD LFETDR			Carbamidomethyl (C)[4], Oxidation (M)[1,11]		Mascot
2689.2307	2689.1975	-0.0332	-12	132	154	MDKCPEGTKPMLVFAGD LFETDR			Carbamidomethyl (C)[4], Oxidation (M)[1,11]		Mascot
2933.4211	2933.5264	0.1053	36	108	131	MFDHVLDMFELGIENFR SLTDIK			Oxidation (M)[1]		Mascot
2933.4211	2933.5264	0.1053	36	108	131	MFDHVLDMFELGIENFR SLTDIK			Oxidation (M)[1]		Mascot

48 PREDICTED: RNA exonuclease 4-like [Danio rerio] gi|292625185 47613.9 9.79 7 25 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4825	864.4991	0.0166	19	269	275	YVKPTEK					Mascot
996.522	996.5809	0.0589	59	105	112	DSHKPEKR					Mascot
996.522	996.5809	0.0589	59	105	112	DSHKPEKR					Mascot
1045.5061	1045.5455	0.0394	38	224	232	EHAPEGVTR					Mascot
1747.8326	1747.8071	-0.0255	-15	27	41	SYKGDTWFFATEPAK					Mascot
2298.9907	2299.1448	0.1541	67	50	69	SANPFIMPPTDGQDYSC NWR					Mascot
2443.0806	2443.1145	0.0339	14	50	70	SANPFIMPPTDGQDYSC NWRK			Oxidation (M)[7]		Mascot
2572.1628	2572.2273	0.0645	25	224	246	EHAPEGVTRAVAMDCM VGVGYK			Carbamidomethyl (C)[15], Oxidation (M)[13]		Mascot

49 hydroxymethylbilane synthase a [Danio rerio] gi|41056087 38994.5 7.01 7 25 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	848.477	848.5133	0.0363	43	18	24	VIRMGTR					Oxidation (M)[4]	Mascot
	921.4359	921.4865	0.0506	55	193	199	RMGWESR						Mascot
	1045.6	1045.5455	-0.0545	-52	343	352	GAKDILTAR						Mascot
	1448.7644	1448.9067	0.1423	98	155	165	RFPQLEFENIR						Mascot
	2118.1726	2117.9585	-0.2141	-101	49	68	LEIVAMSTIGDKILDALS K						Mascot
	2211.0017	2211.0725	0.0708	32	291	309	DTMQTCVELDNKVNES QR						Mascot
	2284.0181	2284.1421	0.124	54	291	309	DTMQTCVELDNKVNES QR					Carbamidomethyl (C)[6], Oxidation (M)[3]	Mascot
	3324.5808	3324.6646	0.0838	25	194	223	MGWESRISQVLGPEDCM YAVGQGALAVEVR					Carbamidomethyl (C)[16], Oxidation (M)[1]	Mascot
50	PREDICTED: olfactomedin-like [Danio rerio]				gi 292628104		52216.8	6.53	8	25	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.4897	996.5809	0.0912	92	204	212	SYISGAWGR					Mascot
996.4897	996.5809	0.0912	92	204	212	SYISGAWGR					Mascot
1448.7236	1448.9067	0.1831	126	19	31	VPGLQKTDSCLCK			Carbamidomethyl (C)[10]		Mascot
2101.9536	2101.9658	0.0122	6	269	286	SGSTILYNNTVYYQCYDK					Mascot
2125.947	2125.9348	-0.0122	-6	304	321	LDGAGIDNKFPFCYYSR			Carbamidomethyl (C)[13]		Mascot
2300.167	2300.1487	-0.0183	-8	333	352	DAVWVIYATEENHGNIILS R					Mascot
2572.0908	2572.2273	0.1365	53	313	332	FPFCYYSRWDWDIDLEA DR			Carbamidomethyl (C)[4]		Mascot
2598.5381	2598.2024	-0.3357	-129	2	24	FFNLLLLTVIVTVEAQRVP GLQK					Mascot
2933.3994	2933.5264	0.127	43	25	49	TDSCCLKINSSIWTFFAV QFMEVTR			Carbamidomethyl (C)[4]		Mascot
2933.3994	2933.5264	0.127	43	25	49	TDSCCLKINSSIWTFFAV QFMEVTR			Carbamidomethyl (C)[4]		Mascot

Gel Idx/Pos	253/K5	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	vitellogenin 1 [Danio rerio]	gi 166795887	149452.5	8.68	11	317	100	299	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
960.4785	960.4697	-0.0088	-9	1258	1264	LEVEWER					Mascot
1287.6691	1287.6586	-0.0105	-8	1245	1257	AEAGVLGEFPAAR	63	99.986			Mascot

				Seq.	Seq.	Score							
	960.4785	960.4697	-0.0088	-9	1258	1264	LEVEWER						Mascot
	1287.6691	1287.6586	-0.0105	-8	1245	1257	AEAGVLGEFPAAR	63	99.986				Mascot
	1287.6691	1287.6586	-0.0105	-8	1245	1257	AEAGVLGEFPAAR						Mascot
	1364.6957	1364.6819	-0.0138	-10	1279	1290	HILTAAYDTGFR						Mascot
	1382.7889	1382.7646	-0.0243	-18	303	315	ISDAPAQIVEVLK						Mascot
	1515.7478	1515.7322	-0.0156	-10	733	745	VFGQEVAYVNFDK						Mascot
	1515.7478	1515.7322	-0.0156	-10	733	745	VFGQEVAYVNFDK	64	99.99				Mascot
	1739.936	1739.9227	-0.0133	-8	746	761	TIIEEAIPMATGPKPR			Oxidation (M)[9]			Mascot
	1826.9799	1826.9619	-0.018	-10	1183	1198	LLGYQLAAYFDKPTAR						Mascot
	1826.9799	1826.9619	-0.018	-10	1183	1198	LLGYQLAAYFDKPTAR	78	100				Mascot
	2174.1968	2174.1628	-0.034	-16	770	789	ALQEGVAFQYAKPLLAEE VR						Mascot
	2627.3716	2627.3318	-0.0398	-15	897	920	VEALPVELPEHIASASFET YAVVR	94	100				Mascot
	2627.3716	2627.3318	-0.0398	-15	897	920	VEALPVELPEHIASASFET YAVVR						Mascot
4	vitellogenin 7 [Danio rerio]				gi 156713467		148739.2	8.76	8	215	100	205	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4785	960.4697	-0.0088	-9	1254	1260	LEVEWER					Mascot
1109.4818	1109.4816	-0.0002	0	1087	1097	SHSTSSSSSSSR					Mascot
1287.6691	1287.6586	-0.0105	-8	1241	1253	AEAGVLGEFPAAR	63	99.986			Mascot
1287.6691	1287.6586	-0.0105	-8	1241	1253	AEAGVLGEFPAAR					Mascot
1515.7478	1515.7322	-0.0156	-10	733	745	VFGQEVAYVNFDK					Mascot
1515.7478	1515.7322	-0.0156	-10	733	745	VFGQEVAYVNFDK	64	99.99			Mascot
1753.9517	1753.9365	-0.0152	-9	746	761	TIIEEAIPMVSGPKPR			Oxidation (M)[9]		Mascot
1826.9799	1826.9619	-0.018	-10	1179	1194	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9619	-0.018	-10	1179	1194	LLGYQLAAYFDKPTAR	78	100			Mascot
2174.1968	2174.1628	-0.034	-16	770	789	ALQEGVAFQYAKPLLAEE VR					Mascot
3337.7539	3337.7136	-0.0403	-12	1179	1208	LLGYQLAAYFDKPTARVQ LIASSIAENDNR					Mascot

5 vitellogenin 1 [Danio rerio] gi|21391472 127954.2 8.69 8 215 100 205 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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		960.4785	960.4697	-0.0088	-9	1065	1071	LEVEWER								Mascot
		1287.6691	1287.6586	-0.0105	-8	1052	1064	AEAGVLGEFPAAR	63	99.986						Mascot
		1287.6691	1287.6586	-0.0105	-8	1052	1064	AEAGVLGEFPAAR								Mascot
		1364.6957	1364.6819	-0.0138	-10	1086	1097	HILTAAYDTGFR								Mascot
		1382.7889	1382.7646	-0.0243	-18	112	124	ISDAPAQIVEVLK								Mascot
		1515.7478	1515.7322	-0.0156	-10	542	554	VFGQEVAYVNFDK								Mascot
		1515.7478	1515.7322	-0.0156	-10	542	554	VFGQEVAYVNFDK	64	99.99						Mascot
		1739.936	1739.9227	-0.0133	-8	555	570	TIIEEAIPMATGPKPR			Oxidation (M)[9]					Mascot
		1826.9799	1826.9619	-0.018	-10	990	1005	LLGYQLAAYFDKPTAR								Mascot
		1826.9799	1826.9619	-0.018	-10	990	1005	LLGYQLAAYFDKPTAR	78	100						Mascot
		2174.1968	2174.1628	-0.034	-16	579	598	ALQEGVAFQYAKPLAAEVR								Mascot
6	vitellogenin 7 [Danio rerio]					gi 57864789		24318.7	8.37	4	159	100	141	100		
		Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	%	Modification		Rank	Result	Type
		960.4785	960.4697	-0.0088	-9	113	119	LEVEWER								Mascot
		1287.6691	1287.6586	-0.0105	-8	100	112	AEAGVLGEFPAAR	63	99.986						Mascot
		1287.6691	1287.6586	-0.0105	-8	100	112	AEAGVLGEFPAAR								Mascot
		1826.9799	1826.9619	-0.018	-10	38	53	LLGYQLAAYFDKPTAR								Mascot
		1826.9799	1826.9619	-0.018	-10	38	53	LLGYQLAAYFDKPTAR	78	100						Mascot
		3337.7539	3337.7136	-0.0403	-12	38	67	LLGYQLAAYFDKPTARVQLIASSIAENDNR								Mascot
7	vitellogenin 5 [Danio rerio]					gi 57864785		72820.8	9	6	154	100	142	100		
		Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	%	Modification		Rank	Result	Type
		960.4785	960.4697	-0.0088	-9	564	570	LEVEWER								Mascot
		1324.5975	1324.6721	0.0746	56	376	388	NTPVSSSESSSSSR								Mascot
		1515.7478	1515.7322	-0.0156	-10	42	54	VFGQEVAYVNFDK								Mascot
		1515.7478	1515.7322	-0.0156	-10	42	54	VFGQEVAYVNFDK	64	99.99						Mascot
		1753.9517	1753.9365	-0.0152	-9	55	70	SIIEEAIPMTGPKPR			Oxidation (M)[9]					Mascot
		1826.9799	1826.9619	-0.018	-10	489	504	LLGYQLAAYFDKPTAR								Mascot
		1826.9799	1826.9619	-0.018	-10	489	504	LLGYQLAAYFDKPTAR	78	100						Mascot
		2577.3923	2577.3474	-0.0449	-17	206	229	VEALPVELPEHIASASFETLAVVR								Mascot
8	Vtg1 protein [Danio rerio]					gi 63100501		36409.1	9.23	4	151	100	141	100		

Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type		
9	960.4785	960.4697	-0.0088	-9	218	224	LEVEWER				Mascot		
	1287.6691	1287.6586	-0.0105	-8	205	217	AEAGVLGEFPAAR	63	99.986		Mascot		
	1287.6691	1287.6586	-0.0105	-8	205	217	AEAGVLGEFPAAR				Mascot		
	1364.6957	1364.6819	-0.0138	-10	239	250	HILTAAYDTGFR				Mascot		
	1826.9799	1826.9619	-0.018	-10	143	158	LLGYQLAAYFDKPTAR				Mascot		
	1826.9799	1826.9619	-0.018	-10	143	158	LLGYQLAAYFDKPTAR	78	100		Mascot		
	vitellogenin 6 [Danio rerio]				gij 303227889		150936.1	8.84	7	150	100	142	100
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type		
	960.4785	960.4697	-0.0088	-9	1276	1282	LEVEWER				Mascot		
	1515.7478	1515.7322	-0.0156	-10	744	756	VFGQEVAYVNFDK				Mascot		
	1515.7478	1515.7322	-0.0156	-10	744	756	VFGQEVAYVNFDK	64	99.99		Mascot		
	1638.8485	1638.8428	-0.0057	-3	679	694	TYLAGAAADVVEFGVR				Mascot		
	1638.8485	1638.8428	-0.0057	-3	679	694	TYLAGAAADVVEFGVR				Mascot		
	1826.9799	1826.9619	-0.018	-10	1201	1216	LLGYQLAAYFDKPTAR				Mascot		
	1826.9799	1826.9619	-0.018	-10	1201	1216	LLGYQLAAYFDKPTAR	78	100		Mascot		
	2174.1968	2174.1628	-0.034	-16	781	800	ALQEGVAFQYAKPLLAEE VR				Mascot		
	2194.0469	2194.043	-0.0039	-2	1070	1090	EILDTEAKNAPVSSESS SSR				Mascot		
	2233.2009	2233.052	-0.1489	-67	604	625	SLTRITAPDMAYVAGAAN VAIK				Mascot		
10	Zgc:136383 protein [Danio rerio]				gij 159155252		123957.1	8.78	6	150	100	142	100
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type		
	960.4785	960.4697	-0.0088	-9	1033	1039	LEVEWER				Mascot		
	1045.5465	1045.5553	0.0088	8	1123	1130	DFLSWIHK				Mascot		
	1382.7889	1382.7646	-0.0243	-18	80	92	ISDAPAQIVEVLK				Mascot		
	1515.7478	1515.7322	-0.0156	-10	510	522	VFGQEVAYVNFDK				Mascot		
	1515.7478	1515.7322	-0.0156	-10	510	522	VFGQEVAYVNFDK	64	99.99		Mascot		
	1826.9799	1826.9619	-0.018	-10	958	973	LLGYQLAAYFDKPTAR				Mascot		
	1826.9799	1826.9619	-0.018	-10	958	973	LLGYQLAAYFDKPTAR	78	100		Mascot		

	2233.2009	2233.052	-0.1489	-67	370	391	SLTRITAPDMAYVAGAAN VAIK									Mascot
11	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733731 149169.2 8.84 6 142 100 142 100															
Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
	960.4785	960.4697	-0.0088	-9	1260	1266	LEVEWER							Mascot		
	1324.5975	1324.6721	0.0746	56	1071	1083	NTPVSSSESSSSSR							Mascot		
	1515.7478	1515.7322	-0.0156	-10	737	749	VFGQEVAYVNFDK							Mascot		
	1515.7478	1515.7322	-0.0156	-10	737	749	VFGQEVAYVNFDK	64	99.99					Mascot		
	1753.9517	1753.9365	-0.0152	-9	750	765	SIIEEAIPMTVGPKPR				Oxidation (M)[9]			Mascot		
	1826.9799	1826.9619	-0.018	-10	1185	1200	LLGYQLAAYFDKPTAR							Mascot		
	1826.9799	1826.9619	-0.018	-10	1185	1200	LLGYQLAAYFDKPTAR	78	100					Mascot		
	2577.3923	2577.3474	-0.0449	-17	901	924	VEALPVELPEHIASASFET LAVVR							Mascot		
12	Zgc:136383 protein [Danio rerio] gi 125857991 148644.2 8.93 6 142 100 142 100															
Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
	960.4785	960.4697	-0.0088	-9	1255	1261	LEVEWER							Mascot		
	1045.5465	1045.5553	0.0088	8	1345	1352	DFLSWIHK							Mascot		
	1382.7889	1382.7646	-0.0243	-18	302	314	ISDAPAQIVEVLK							Mascot		
	1515.7478	1515.7322	-0.0156	-10	732	744	VFGQEVAYVNFDK							Mascot		
	1515.7478	1515.7322	-0.0156	-10	732	744	VFGQEVAYVNFDK	64	99.99					Mascot		
	1826.9799	1826.9619	-0.018	-10	1180	1195	LLGYQLAAYFDKPTAR							Mascot		
	1826.9799	1826.9619	-0.018	-10	1180	1195	LLGYQLAAYFDKPTAR	78	100					Mascot		
	2233.2009	2233.052	-0.1489	-67	592	613	SLTRITAPDMAYVAGAAN VAIK							Mascot		
13	thioredoxin-dependent peroxide reductase, mitochondrial [Danio rerio] gi 65301457 26904.1 9.17 5 101 100 78 100															
Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
	1313.7576	1313.7443	-0.0133	-10	180	191	GLFIIDPNGIVR							Mascot		
	1472.8107	1472.793	-0.0177	-12	166	179	DYGVLLLEGPGIALR	78	100					Mascot		
	1472.8107	1472.793	-0.0177	-12	166	179	DYGVLLLEGPGIALR							Mascot		
	2174.1208	2174.1628	0.042	19	35	55	APQPLACIAAQKACFSIS AAR				Carbamidomethyl (C)[7]			Mascot		

	2191.0276	2191.0083	-0.0193	-9	213	231	AFQFVETHGEVCPASWT PK						Carbamidomethyl (C)[12]	Mascot
	3380.5864	3380.5308	-0.0556	-16	114	143	ANEFHDVNCVVGVSV SHFTHLAWTNTPR						Carbamidomethyl (C)[9]	Mascot
14	novel protein similar to vertebrate peroxiredoxin 3 (PRDX3) [Danio rerio]				gi 157885981		30321	9.41	5	99	100	78	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1313.7576	1313.7443	-0.0133	-10	211	222	GLFIIDPNGIVR						Mascot
1472.8107	1472.793	-0.0177	-12	197	210	DYGVLLLEPGIALR	78		100			Mascot
1472.8107	1472.793	-0.0177	-12	197	210	DYGVLLLEPGIALR						Mascot
2174.1208	2174.1628	0.042	19	66	86	APQPLACIAAQKACFSIS AAR				Carbamidomethyl (C)[7]		Mascot
2191.0276	2191.0083	-0.0193	-9	244	262	AFQFVETHGEVCPASWT PK				Carbamidomethyl (C)[12]		Mascot
3380.5864	3380.5308	-0.0556	-16	145	174	ANEFHDVNCVVGVSV SHFTHLAWTNTPR				Carbamidomethyl (C)[9]		Mascot

15	novel protein similar to vertebrate peroxiredoxin 3 (PRDX3) [Danio rerio]				gi 157885982		25858.7	9.99	3	90	99.995	78	100	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1472.8107	1472.793	-0.0177	-12	197	210	DYGVLLLEPGIALR	78		100			Mascot
1472.8107	1472.793	-0.0177	-12	197	210	DYGVLLLEPGIALR						Mascot
2174.1208	2174.1628	0.042	19	66	86	APQPLACIAAQKACFSIS AAR				Carbamidomethyl (C)[7]		Mascot
3380.5864	3380.5308	-0.0556	-16	145	174	ANEFHDVNCVVGVSV SHFTHLAWTNTPR				Carbamidomethyl (C)[9]		Mascot

16	vitellogenin 6 [Danio rerio]				gi 57864787		38968.8	8.92	4	90	99.995	78	100	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
960.4785	960.4697	-0.0088	-9	255	261	LEVEWER						Mascot
1324.7332	1324.6721	-0.0611	-46	1	13	VAVARAEGPAVER						Mascot
1826.9799	1826.9619	-0.018	-10	180	195	LLGYQLAAYFDKPTAR						Mascot
1826.9799	1826.9619	-0.018	-10	180	195	LLGYQLAAYFDKPTAR	78		100			Mascot
2194.0469	2194.043	-0.0039	-2	51	71	EILDTEAKNAPVSSSS SSR						Mascot

17	Zgc:136383 [Danio rerio]				gi 92097636		28809.9	9.33	4	89	99.994	78	100	
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Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank	Result Type	
18	Vtg5 protein [Danio rerio]	960.4785	960.4697	-0.0088	-9	156	162 LEVEWER						Mascot	
		1045.5465	1045.5553	0.0088	8	246	253 DFLSWIHK						Mascot	
		1314.6028	1314.7384	0.1356	103	1	12 MLPLSSSMSSSR			Oxidation (M)[1,8]			Mascot	
		1826.9799	1826.9619	-0.018	-10	81	96 LLGYQLAAYFDKPTAR						Mascot	
		1826.9799	1826.9619	-0.018	-10	81	96 LLGYQLAAYFDKPTAR	78	100				Mascot	
18	Vtg5 protein [Danio rerio]					qj148744685	27543.3	9.2	2	84	99.983	78	100	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification		Rank	Result Type
	960.4785	960.4697	-0.0088	-9	144	150	LEVEWER						Mascot
	1826.9799	1826.9619	-0.018	-10	69	84	LLGYQLAAYFDKPTAR						Mascot
	1826.9799	1826.9619	-0.018	-10	69	84	LLGYQLAAYFDKPTAR	78	100				Mascot
19	vitellogenin 4 [Danio rerio]				gi 57864783		31189.9	9.48	2	84	99.981	78	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence		Ion Score	C. I.	% Modification	Rank	Result Type
	960.4785	960.4697	-0.0088	-9	182	188	LEVEWER					Mascot
	1826.9799	1826.9619	-0.018	-10	107	122	LLGYQLAAYFDKPTAR					Mascot
	1826.9799	1826.9619	-0.018	-10	107	122	LLGYQLAAYFDKPTAR	78	100			Mascot
20	novel protein similar to vertebrate complement component 3 (C3) [Danio rerio]				gi 169153736	187400.5	8.04	20	47	7.024		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	842.5206	842.5032	-0.0174	-21	516	523	GKIIQAGR				Mascot
	1179.619	1179.5881	-0.0309	-26	137	146	AEKVMPSFR		Oxidation (M)[5]		Mascot
	1179.619	1179.5881	-0.0309	-26	137	146	AEKVMPSFR		Oxidation (M)[5]		Mascot
	1313.7535	1313.7443	-0.0092	-7	958	970	GGGAGQQLIQVKK				Mascot
	1320.7463	1320.5728	-0.1735	-131	824	833	VWKPFFIDLR				Mascot
	1324.6249	1324.6721	0.0472	36	1595	1605	MFLSHASCRT		Oxidation (M)[1]		Mascot
	1338.7562	1338.6912	-0.065	-49	1377	1387	DIHRLCVIEK				Mascot
	1364.7065	1364.6819	-0.0246	-18	711	721	MIPEMPKLYAR		Oxidation (M)[1]		Mascot

1472.6475	1472.793	0.1455	99	1500	1511	SCSRFYSPPEDK	Carbamidomethyl (C)[2]	Mascot
1472.6475	1472.793	0.1455	99	1500	1511	SCSRFYSPPEDK	Carbamidomethyl (C)[2]	Mascot
1475.7965	1475.7472	-0.0493	-33	1467	1478	EAEIISFRLNQR		Mascot
1515.8451	1515.7322	-0.1129	-74	862	875	STPSVNVVMVILEK		Mascot
1515.8451	1515.7322	-0.1129	-74	862	875	STPSVNVVMVILEK		Mascot
1626.8308	1626.889	0.0582	36	28	41	TVWGPNMQQIEPVK		Mascot
1638.7944	1638.8428	0.0484	30	1101	1114	VFSMAHSFINVNEK	Oxidation (M)[4]	Mascot
1638.7944	1638.8428	0.0484	30	1101	1114	VFSMAHSFINVNEK	Oxidation (M)[4]	Mascot
1739.9214	1739.9227	0.0013	1	327	342	AYPDINSLLGSTVYVK		Mascot
1838.8827	1838.9028	0.0201	11	1543	1558	EQRNAAVCNGLHHAYR		Mascot
2174.0256	2174.1628	0.1372	63	694	710	DQLEYDYMEEMVLLRAR		Mascot
2233.1533	2233.052	-0.1013	-45	911	932	TGELPLQVTAVAASFMG QDAVK		Mascot
2300.1484	2300.1521	0.0037	2	1013	1033	EDSLAALIRMPGGCVEQ NLAR	Carbamidomethyl (C)[14]	Mascot
2577.283	2577.3474	0.0644	25	1610	1633	EGQEYLIGIPITDVWNAG STVSNK		Mascot
2584.1443	2584.1567	0.0124	5	1504	1524	FYSPPEDKQLDQICEG DVCR	Carbamidomethyl (C)[15,20]	Mascot
3073.5952	3073.4746	-0.1206	-39	1606	1633	LNLREGQEYLIGIPITDV WNAGSTVSNK		Mascot

21 Pbx2 [Danio rerio] gi|7861936 18895.6 9.08 7 44 0 8 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1051.5782	1051.7041	0.1259	120	133	141	FSSIQTQLK					Mascot
1179.6442	1179.5881	-0.0561	-48	1	10	ALFSVLCEIK			Carbamidomethyl (C)[7]		Mascot
1179.6732	1179.5881	-0.0851	-72	132	141	KFSSIQTQLK	10	0			Mascot
1323.6395	1323.6609	0.0214	16	142	152	QSTCEAVMILR			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot
1382.7573	1382.7646	0.0073	5	121	131	EIERMVALIHR			Oxidation (M)[5]		Mascot
1493.7563	1493.7196	-0.0367	-25	142	154	QSTCEAVMILRSR					Mascot
2283.1836	2283.1509	-0.0327	-14	133	152	FSSIQTQLKQSTCEAVMI LR					Mascot
2283.1836	2283.1509	-0.0327	-14	133	152	FSSIQTQLKQSTCEAVMI LR					Mascot

22 calpain 1, large subunit [Danio rerio] gi|47087455 80004.8 5.66 12 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
960.4969	960.4697	-0.0272	-28	42	49	AQSQQSRR					Mascot

1164.4659	1164.5541	0.0882	76	622	631	SGTMSSYEMR	Oxidation (M)[4]	Mascot
1164.4659	1164.5541	0.0882	76	622	631	SGTMSSYEMR	Oxidation (M)[4]	Mascot
1287.7419	1287.6586	-0.0833	-65	224	235	KAPADLFSIIGR		Mascot
1287.7419	1287.6586	-0.0833	-65	224	235	KAPADLFSIIGR		Mascot
1323.5854	1323.6609	0.0755	57	1	12	MEPICATGMAAR	Carbamidomethyl (C)[5], Oxidation (M)[1]	Mascot
1493.895	1493.7196	-0.1754	-117	641	652	LNNHLFQLILR		Mascot
1626.7699	1626.889	0.1191	73	381	393	NYPATFWNNPQFK		Mascot
1889.764	1890.0187	0.2547	135	616	631	DHDVDKSGTMSSYEMR	Oxidation (M)[10,15]	Mascot
2501.2527	2501.2122	-0.0405	-16	394	416	VALKHPDSPGQSECSFL VALMQK	Oxidation (M)[21]	Mascot
2566.334	2566.2559	-0.0781	-30	170	192	LLFVHSAEGGEFWSALLE KAYAK		Mascot
2627.4436	2627.3318	-0.1118	-43	543	566	QLAGADMEISVTELQTL NRRIAK		Mascot
2627.4436	2627.3318	-0.1118	-43	543	566	QLAGADMEISVTELQTL NRRIAK		Mascot
3057.4219	3057.4905	0.0686	22	653	677	YTEEDLSVDFDNFVSCLV RLETMFK	Carbamidomethyl (C)[16]	Mascot
3073.4167	3073.4746	0.0579	19	653	677	YTEEDLSVDFDNFVSCLV RLETMFK	Carbamidomethyl (C)[16], Oxidation (M)[23]	Mascot
3380.4277	3380.5308	0.1031	30	193	223	LNGCYEALSGGSTCEGF EDFTGGVTMYELK	Carbamidomethyl (C)[4], Oxidation (M)[27]	Mascot

23 PREDICTED: nipped-B-like protein-like [Danio rerio] gi|326667611 67985.1 6.31 11 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.4046	868.525	0.1204	139	360	367	YSPSESAK					Mascot
960.5359	960.4697	-0.0662	-69	7	14	LSKQEDLK					Mascot
996.4971	996.5889	0.0918	92	98	105	YTGFIHMK					Mascot
1179.6957	1179.5881	-0.1076	-91	577	586	LNHKVAQTLR					Mascot
1179.6957	1179.5881	-0.1076	-91	577	586	LNHKVAQTLR					Mascot
1320.7634	1320.5728	-0.1906	-144	581	592	VAQTLRSLYAAK					Mascot
1323.7855	1323.6609	-0.1246	-94	513	523	DRPQIARVIQK					Mascot
1338.7852	1338.6912	-0.094	-70	289	299	VRKPKPTEDIR					Mascot
1839.0011	1838.9028	-0.0983	-53	156	171	RAFLISLLNLFDDSSK					Mascot
2369.0356	2368.9788	-0.0568	-24	133	152	QDESNSAQCSHLYSMVR ANR			Carbamidomethyl (C)[9], Oxidation (M)[15]		Mascot
2501.2639	2501.2122	-0.0517	-21	106	129	AVAGMKMSYQVQQAUF GSAGSVIR			Oxidation (M)[5]		Mascot
3057.498	3057.4905	-0.0075	-2	482	510	RTGDSADLLSANMNESV SALDIIAHCPC			Oxidation (M)[13]		Mascot

24 ubiquitin-like protein 4A [Danio rerio] gi|41053523 17309 5.95 6 39 0

Peptide Information

	Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	996.522	996.5889	0.0669	67	47	55	GKALADEHR					Mascot
	1179.5892	1179.5881	-0.0011	-1	56	66	LSDYSIGPEAK					Mascot
	1179.5892	1179.5881	-0.0011	-1	56	66	LSDYSIGPEAK					Mascot
	1515.8125	1515.7322	-0.0803	-53	130	142	QLSLDDIERLASR					Mascot
	1515.8529	1515.7322	-0.1207	-80	92	106	GGSGVWQLLSTVLAK					Mascot
	1739.9398	1739.9227	-0.0171	-10	28	42	ELVSERLNIPASQQR					Mascot
	2501.3101	2501.2122	-0.0979	-39	1	22	MILTVKPLQGKECNVQVT ENEK					Mascot

25 PREDICTED: e3 ubiquitin-protein ligase UBR4 [Danio rerio] gi|189535964 569318.2 5.73 32 38 0 7 0

Peptide Information

	Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	842.477	842.5032	0.0262	31	1546	1551	KYLYQK					Mascot
	868.4046	868.525	0.1204	139	3649	3655	SINYDEK					Mascot
	882.5631	882.56	-0.0031	-4	2678	2684	VLRPRNK					Mascot
	960.4785	960.4697	-0.0088	-9	4664	4671	NLDADVWK					Mascot
	1051.651	1051.7041	0.0531	50	3983	3992	LIKPPAPTSK					Mascot
	1109.599	1109.4816	-0.1174	-106	1027	1035	VSTYVNWIK					Mascot
	1179.746	1179.5881	-0.1579	-134	3983	3993	LIKPPAPTSKK					Mascot
	1179.746	1179.5881	-0.1579	-134	3983	3993	LIKPPAPTSKK					Mascot
	1234.6942	1234.6671	-0.0271	-22	764	773	VWERFVGTLK					Mascot
	1277.6154	1277.6959	0.0805	63	4039	4049	CQETVSKPSNK			Carbamidomethyl (C)[1]		Mascot
	1287.5668	1287.6586	0.0918	71	1707	1718	RSPSSGMSSTMK	9	0	Oxidation (M)[7,11]		Mascot
	1287.5668	1287.6586	0.0918	71	1707	1718	RSPSSGMSSTMK			Oxidation (M)[7,11]		Mascot
	1302.7164	1302.7024	-0.014	-11	4091	4102	QVLFTPATQAAR					Mascot
	1313.6453	1313.7443	0.099	75	1874	1885	VAMCVLSSPHGR			Carbamidomethyl (C)[4]		Mascot
	1314.6333	1314.7384	0.1051	80	3258	3267	TINWQKFCMK			Oxidation (M)[9]		Mascot
	1338.6215	1338.6912	0.0697	52	1661	1673	MVDGVGVCTVCAK			Carbamidomethyl (C)[8]		Mascot
	1382.8365	1382.7646	-0.0719	-52	3525	3537	LIGSHTISKVTVK					Mascot
	1434.614	1434.7549	0.1409	98	4388	4399	VWCPTNEGEPMR			Oxidation (M)[11]		Mascot
	1472.8066	1472.793	-0.0136	-9	1552	1565	NVVEKVTANVSQ GK					Mascot
	1472.8066	1472.793	-0.0136	-9	1552	1565	NVVEKVTANVSQ GK					Mascot
	1475.7853	1475.7472	-0.0381	-26	4822	4833	VSLEEFENKPRK					Mascot
	1515.8278	1515.7322	-0.0956	-63	158	170	ELPSPVNP ELRHK					Mascot

	1515.8278	1515.7322	-0.0956	-63	158	170	ELPSPVNPELRHK										Mascot
	1626.9182	1626.889	-0.0292	-18	111	125	HLILLIKGLCTGCSR										Mascot
	1826.8776	1826.9619	0.0843	46	364	379	CLEIYEMIGQAISNSR										Mascot
	1826.8776	1826.9619	0.0843	46	364	379	CLEIYEMIGQAISNSR										Mascot
	1993.7891	1993.949	0.1599	80	1647	1660	EFMNQHWYHCHTCK						Carbamidomethyl (C)[10,13], Oxidation (M)[3]				Mascot
	2150.1414	2150.0425	-0.0989	-46	2378	2398	LSIFIGASVDPAGVTMLD SIK						Oxidation (M)[16]				Mascot
	2283.1284	2283.1509	0.0225	10	218	238	MKNAFISQNVSSLQELG GSEK						Oxidation (M)[1]				Mascot
	2283.1284	2283.1509	0.0225	10	218	238	MKNAFISQNVSSLQELG GSEK						Oxidation (M)[1]				Mascot
	2298.0896	2298.1667	0.0771	34	4435	4456	MAGVMAQCGGLECMLN RLSGIK						Oxidation (M)[1]				Mascot
	2501.1179	2501.2122	0.0943	38	4786	4806	QMEELIEEPGLTCCICRE GYK						Carbamidomethyl (C)[13]				Mascot
	2566.2383	2566.2559	0.0176	7	4781	4802	TSLKQMEELIEEPGLTC CICR						Carbamidomethyl (C)[18]				Mascot
	2577.208	2577.3474	0.1394	54	1566	1588	HASMLECACHIISYLADV MNALR						Oxidation (M)[4]				Mascot
	2584.3943	2584.1567	-0.2376	-92	625	647	KDPELFLSLASSILNFITTS MLK						Oxidation (M)[21]				Mascot
	2593.2029	2593.3604	0.1575	61	1566	1588	HASMLECACHIISYLADV MNALR						Oxidation (M)[4,19]				Mascot
	2627.3926	2627.3318	-0.0608	-23	4176	4199	EIAHLLALEEATLSTDQQ GYALK										Mascot
	2627.3926	2627.3318	-0.0608	-23	4176	4199	EIAHLLALEEATLSTDQQ GYALK										Mascot
	3052.3638	3052.5837	0.2199	72	3668	3692	YARFDFMLYAKPCCAVID PIENEEDR						Carbamidomethyl (C)[13]				Mascot
	3337.5908	3337.7136	0.1228	37	3818	3848	ALSVLGCGHTSSTKCYG CASAVTGHCHITLLR						Carbamidomethyl (C)[7,15,18,26]				Mascot
26	novel protein similar to vertebrate complement component 3 (C3) [Danio rerio]				gi 169153737		179718.7	7.16	18	38	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5206	842.5032	-0.0174	-21	527	534	GKIIQAGR					Mascot
1277.677	1277.6959	0.0189	15	302	312	LTSMKQIDDVK					Mascot
1313.7535	1313.7443	-0.0092	-7	930	942	GGSAQQLIQVKK					Mascot
1320.7463	1320.5728	-0.1735	-131	796	805	VWKPFFIDLR					Mascot
1324.6249	1324.6721	0.0472	36	1529	1539	MFLSHASCRTTR			Oxidation (M)[1]		Mascot
1338.7562	1338.6912	-0.065	-49	1339	1349	DIHRLCVIEK					Mascot
1472.6475	1472.793	0.1455	99	1462	1473	SCSRFYSPPEDK			Carbamidomethyl (C)[2]		Mascot
1472.6475	1472.793	0.1455	99	1462	1473	SCSRFYSPPEDK			Carbamidomethyl (C)[2]		Mascot
1515.8451	1515.7322	-0.1129	-74	834	847	STPSVNVVMVILEK					Mascot
1515.8451	1515.7322	-0.1129	-74	834	847	STPSVNVVMVILEK					Mascot

	1626.8308	1626.889	0.0582	36	28	41	TVWGPNMQQIEPVK						Mascot
	1638.7944	1638.8428	0.0484	30	1063	1076	VFSMAHSFINVNEK	Oxidation (M)[4]					Mascot
	1638.7944	1638.8428	0.0484	30	1063	1076	VFSMAHSFINVNEK	Oxidation (M)[4]					Mascot
	1739.9214	1739.9227	0.0013	1	338	353	AYPDINSLLGSTVYVK						Mascot
	2191.1687	2191.0083	-0.1604	-73	1	19	MLLQLLWATLLCQICDG K	Oxidation (M)[1]					Mascot
	2211.2244	2211.0798	-0.1446	-65	493	513	VVVGGSISVQAYIKSSLP NHR						Mascot
	2233.1533	2233.052	-0.1013	-45	883	904	TGELPLQVTAVAASFMG QDAVK						Mascot
	2300.1484	2300.1521	0.0037	2	975	995	EDSLAALIRMPGGCVEQ NLAR	Carbamidomethyl (C)[14]					Mascot
	2577.283	2577.3474	0.0644	25	1544	1567	EGQEYLVIPITDVWNAG STVSNK						Mascot
	2584.1443	2584.1567	0.0124	5	1466	1486	FYSPPEDKQQLDQICEG DVCR	Carbamidomethyl (C)[15,20]					Mascot
	2888.5347	2888.3589	-0.1758	-61	1	24	MLLQLLWATLLCQICDG KAFPQR	Carbamidomethyl (C)[13,16]					Mascot
27	PREDICTED: transposon TX1 uncharacterized 149 kDa gi 326664772 protein-like [Danio rerio]												
							131122	9.55	17	38	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.3981	868.525	0.1269	146	576	582	DAICYAR			Carbamidomethyl (C)[4]		Mascot
1045.5499	1045.5553	0.0054	5	913	921	CPVAFNLPK			Carbamidomethyl (C)[1]		Mascot
1051.5935	1051.7041	0.1106	105	824	831	FFLLNLER					Mascot
1062.667	1062.6866	0.0196	18	537	545	LFTKILATR					Mascot
1164.6007	1164.5541	-0.0466	-40	879	888	YAVTPSRENK					Mascot
1164.6007	1164.5541	-0.0466	-40	879	888	YAVTPSRENK					Mascot
1324.7372	1324.6721	-0.0651	-49	860	871	GLPDLHLFLGSR					Mascot
1364.6726	1364.6819	0.0093	7	346	357	NEMSVLSEIQSK					Mascot
1382.8042	1382.7646	-0.0396	-29	27	38	AQSILSFLKTFK					Mascot
1434.6981	1434.7549	0.0568	40	184	194	LVDCFKTMHQR			Carbamidomethyl (C)[4]		Mascot
1475.8251	1475.7472	-0.0779	-53	168	180	LDKTSVLLQGMVR			Oxidation (M)[11]		Mascot
1493.8145	1493.7196	-0.0949	-64	171	183	TSVLLQGMVRDFK					Mascot
2150.0151	2150.0425	0.0274	13	1008	1027	GMAKTSICPRPGCSSPE TVR			Carbamidomethyl (C)[8], Oxidation (M)[2]		Mascot
2191.0417	2191.0083	-0.0334	-15	1008	1027	GMAKTSICPRPGCSSPE TVR			Carbamidomethyl (C)[8,13]		Mascot
2225.051	2225.0925	0.0415	19	546	565	MSMVLEDVIHPDQACAV PGR			Carbamidomethyl (C)[15]		Mascot
2225.051	2225.0925	0.0415	19	546	565	MSMVLEDVIHPDQACAV PGR			Carbamidomethyl (C)[15]		Mascot
2300.1445	2300.1521	0.0076	3	327	345	YFNLLNEGLDFNDEIKEV K					Mascot
2369.1411	2368.9788	-0.1623	-69	546	566	MSMVLEDVIHPDQACAV			Carbamidomethyl (C)[15], Oxidation (M)[1]		Mascot

	2584.2878	2584.1567	-0.1311	-51	1028	1049	PGRK HLLWECGAARDLWAATG PLYQR				Carbamidomethyl (C)[6]	Mascot
	3380.8511	3380.5308	-0.3203	-95	129	158	HELLVDLQPHILGRAPLIL AGDFNCILTNK				Carbamidomethyl (C)[25]	Mascot
28	PREDICTED: serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit C-like [Danio r					gi 326671533	11978.2	6.02	5	38	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1493.7594	1493.7196	-0.0398	-27	101	114	NGVSLHLLTEEPQG					Mascot
2150.0547	2150.0425	-0.0122	-6	46	67	GATVLAVDEDGHTPALA CAPNK					Mascot
2211.0632	2211.0798	0.0166	8	2	21	CALLMLAETDDTSLISST NR			Carbamidomethyl (C)[1]		Mascot
2577.2976	2577.3474	0.0498	19	46	71	GATVLAVDEDGHTPALA CAPNKEVAK					Mascot
2584.5298	2584.1567	-0.3731	-144	22	45	ALQTPHLIAARNGLVTVV EVLLTR					Mascot

29 feline sarcoma oncogene [Danio rerio] gi|315468037 94604.1 6.3 14 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4857	960.4697	-0.016	-17	361	368	RNALEDSR					Mascot
996.4744	996.5889	0.1145	115	160	167	YQEASKDR					Mascot
1164.6372	1164.5541	-0.0831	-71	148	157	QLVRDATYAK					Mascot
1164.6372	1164.5541	-0.0831	-71	148	157	QLVRDATYAK					Mascot
1179.6117	1179.5881	-0.0236	-20	598	607	ENLPAEHKNK					Mascot
1179.6117	1179.5881	-0.0236	-20	598	607	ENLPAEHKNK					Mascot
1277.6273	1277.6959	0.0686	54	730	740	WTAPEALNYGR					Mascot
1314.6359	1314.7384	0.1025	78	94	105	HSDDLMLVGPLSK			Oxidation (M)[6]		Mascot
1324.6426	1324.6721	0.0295	22	595	605	ACRENLP AEHK			Carbamidomethyl (C)[2]		Mascot
1338.6913	1338.6912	-0.0001	0	574	585	GNFGEVFSGRLR					Mascot
1889.8673	1890.0187	0.1514	80	2	18	GFAEDLWCPQGHAAALMK			Oxidation (M)[16]		Mascot
2191.0349	2191.0083	-0.0266	-12	488	506	ESQGKQEYVLSVHWGG QCR					Mascot
2369.2573	2368.9788	-0.2785	-118	634	653	QPIYIMELVQGGDFLTFL R			Oxidation (M)[7]		Mascot
2888.197	2888.3589	0.1619	56	786	809	MPAPNNCPDEIYLMCQ CWQYDPR					Mascot
3073.3132	3073.4746	0.1614	53	786	810	MPAPNNCPDEIYLMCQ CWQYDPRK			Carbamidomethyl (C)[7]		Mascot
3337.6509	3337.7136	0.0627	19	229	257	EILQEYFDLSSLIQDEVVS VHTEMANALK			Oxidation (M)[24]		Mascot

30 novel nacht domain containing protein [Danio rerio] gi|148725675 84079.5 6.54 12 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
1045.5272	1045.5553	0.0281	27	622	630 GLLTQQDDR				Mascot
1062.5803	1062.6866	0.1063	100	464	471 FQIQQSRR				Mascot
1277.7212	1277.6959	-0.0253	-20	607	617 FLLSLSLQSNR				Mascot
1313.6519	1313.7443	0.0924	70	208	218 HQSLEIQVECK				Mascot
1323.6473	1323.6609	0.0136	10	714	723 FQRSDECLIR		Carbamidomethyl (C)[7]		Mascot
1338.694	1338.6912	-0.0028	-2	286	296 DLITQFFPETK				Mascot
1434.6755	1434.7549	0.0794	55	521	533 ASVYSGMCTQIFK				Mascot
1870.9181	1870.8822	-0.0359	-19	67	82 SFTDNLQSIFQNLESK				Mascot
2210.9543	2211.0798	0.1255	57	45	64 ASSAQSVESDSDGET HRR				Mascot
2298.1812	2298.1667	-0.0145	-6	453	470 TLTQMYTHFLRFQIQSR				Mascot
2577.2976	2577.3474	0.0498	19	134	156 QDQAADTLQGELLFNNQ LKCSLK				Mascot
2888.5264	2888.3589	-0.1675	-58	593	617 ALESENGHLDLYLRFLLS LSLQSNR				Mascot

31 cytochrome P450, family 3, subfamily C, polypeptide 4 [Danio rerio] gi|117606234 57914.4 8.46 10 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
882.4753	882.56	0.0847	96	236	243 MGVTLFSK				Mascot
1165.7052	1165.7386	0.0334	29	373	382 LLPTAPRLER				Mascot
1179.6005	1179.5881	-0.0124	-11	263	272 ESEGRVDFLK				Mascot
1179.6005	1179.5881	-0.0124	-11	263	272 ESEGRVDFLK				Mascot
1287.5166	1287.6586	0.142	110	55	65 GLCNFDMECAK		Carbamidomethyl (C)[3]		Mascot
1287.5166	1287.6586	0.142	110	55	65 GLCNFDMECAK		Carbamidomethyl (C)[3]		Mascot
1313.6637	1313.7443	0.0806	61	67	77 YGKVGWIYDGR				Mascot
1323.6289	1323.6609	0.032	24	244	254 SAMDFFYSVLK		Oxidation (M)[3]		Mascot
1338.6722	1338.6912	0.019	14	466	476 LLQNFSVETCK		Carbamidomethyl (C)[10]		Mascot
1472.6331	1472.793	0.1599	109	55	66 GLCNFDMECAKK		Carbamidomethyl (C)[3,9]		Mascot
1472.6331	1472.793	0.1599	109	55	66 GLCNFDMECAKK		Carbamidomethyl (C)[3,9]		Mascot
2593.3218	2593.3604	0.0386	15	338	359 LVEEIDKNFPLDTPITYDA LMR				Mascot
3380.6992	3380.5308	-0.1684	-50	35	65 LGIPGPRPWPFGTLLSY AKGLCNFDMECAK				Mascot

32 PREDICTED: corepressor interacting with RBPJ 1, partial [Danio rerio] gi|326670450 18483 7.63 7 36 0 3 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1062.5612	1062.6866	0.1254	118	57	65	LLMGDDRVK			Oxidation (M)[3]		Mascot
1320.5897	1320.5728	-0.0169	-13	1	11	MGKSFANFMCK			Carbamidomethyl (C)[10]		Mascot
1338.5757	1338.6912	0.1155	86	128	138	CHNWGHVNTDR					Mascot
1382.662	1382.7646	0.1026	74	38	48	QQEELMQAYVK			Oxidation (M)[6]		Mascot
1739.7853	1739.9227	0.1374	79	125	138	CIKCHNWGHVNTDR			Carbamidomethyl (C)[1]		Mascot
1838.9105	1838.9028	-0.0077	-4	64	80	VKNGLNFMYEAPPGASK			Oxidation (M)[8]		Mascot
2283.0266	2283.1509	0.1243	54	139	161	ECPLFGLSGINASSMAGD EAGTV	3	0	Carbamidomethyl (C)[2]		Mascot
2283.0266	2283.1509	0.1243	54	139	161	ECPLFGLSGINASSMAGD EAGTV			Carbamidomethyl (C)[2]		Mascot

33 complement component 3-like isoform 1 [Danio rerio] gi|153792045 188748 7.66 18 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5206	842.5032	-0.0174	-21	516	523	GKIIQAGR					Mascot
960.4719	960.4697	-0.0022	-2	28	35	TVWGPNNMR					Mascot
1313.7535	1313.7443	-0.0092	-7	958	970	GGSAQQLIQVKK					Mascot
1320.7463	1320.5728	-0.1735	-131	824	833	VWKPFIDLRL					Mascot
1324.6249	1324.6721	0.0472	36	1607	1617	MFLSHASCRTTR			Oxidation (M)[1]		Mascot
1364.7065	1364.6819	-0.0246	-18	711	721	MIEMPPLYAR			Oxidation (M)[1]		Mascot
1472.6475	1472.793	0.1455	99	1490	1501	SCSRFYSPPEDK			Carbamidomethyl (C)[2]		Mascot
1472.6475	1472.793	0.1455	99	1490	1501	SCSRFYSPPEDK			Carbamidomethyl (C)[2]		Mascot
1475.7965	1475.7472	-0.0493	-33	1457	1468	EAEIISFRLNQR					Mascot
1515.8451	1515.7322	-0.1129	-74	862	875	STPSVNVVMVILEK					Mascot
1515.8451	1515.7322	-0.1129	-74	862	875	STPSVNVVMVILEK					Mascot
1739.9214	1739.9227	0.0013	1	327	342	AYPDINSLLGSTVYVK					Mascot
1838.8047	1838.9028	0.0981	53	632	649	VWEVVDQADMGCTAGG GK			Oxidation (M)[10]		Mascot
2191.1687	2191.0083	-0.1604	-73	1	19	MLLQLLLWATLLCQICDG K			Oxidation (M)[1]		Mascot
2233.1533	2233.052	-0.1013	-45	911	932	TGELPLQVTAVAASFMG QDAVK					Mascot
2300.1484	2300.1521	0.0037	2	1003	1023	EDSLAALIRMPGGCVEQ NLAR			Carbamidomethyl (C)[14]		Mascot
2577.283	2577.3474	0.0644	25	1622	1645	EGQEYLVIGPITDVWNAG STVSNK					Mascot

	2584.1443	2584.1567	0.0124	5	1494	1514	FYSPPEDKQQLDQICEG DVCR		Carbamidomethyl (C)[15,20]	Mascot
	2888.5347	2888.3589	-0.1758	-61	1	24	MLLQLLLWATLLCQICDG KAFFQR		Carbamidomethyl (C)[13,16]	Mascot
	3073.5952	3073.4746	-0.1206	-39	1618	1645	LNLREGQEYLVIGPITDV WNAGSTVSNK			Mascot
34	developmentally-regulated GTP-binding protein 1 [Danio rerio]				gi 41053317	40440.7	8.83	8	36	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1109.599	1109.4816	-0.1174	-106	334	343	YALVWGSSVK					Mascot
1179.5681	1179.5881	0.02	17	275	283	WNFDDLLEK					Mascot
1179.5681	1179.5881	0.02	17	275	283	WNFDDLLEK					Mascot
1287.7644	1287.6586	-0.1058	-82	22	33	ATAHHLGLLKAR					Mascot
1287.7644	1287.6586	-0.1058	-82	22	33	ATAHHLGLLKAR					Mascot
1302.764	1302.7024	-0.0616	-47	20	31	NKATAHHLGLLK					Mascot
1324.7333	1324.6721	-0.0612	-46	238	248	VYIPCIYVLNK					Mascot
2174.3093	2174.1628	-0.1465	-67	140	158	TCNLILIVLDVLKPLGHKK			Carbamidomethyl (C)[2]		Mascot
2584.2878	2584.1567	-0.1311	-51	263	283	IPHCVPISAHHRWNFDDL LEK			Carbamidomethyl (C)[4]		Mascot
3052.5295	3052.5837	0.0542	18	222	248	SDATADDLIDVVEGNRVY IPCIIYVLNK			Carbamidomethyl (C)[21]		Mascot

35	protein kinase C, beta a [Danio rerio]				gi 41053359	76070.4	6.76	13	35	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1109.5837	1109.4816	-0.1021	-92	358	367	KGSDELYAVK					Mascot
1302.6116	1302.7024	0.0908	70	128	137	CLNCLMNIHK			Carbamidomethyl (C)[1,4]		Mascot
1320.7014	1320.5728	-0.1286	-97	563	574	EAVAICKGLMTK			Carbamidomethyl (C)[6]		Mascot
1338.5768	1338.6912	0.1144	85	2	14	TESSDSGKEGAR					Mascot
1626.8746	1626.889	0.0144	9	333	346	MKLADFNFMVLGK					Mascot
1638.7811	1638.8428	0.0617	38	592	603	EHAFFRFVDWER					Mascot
1638.7811	1638.8428	0.0617	38	592	603	EHAFFRFVDWER					Mascot
1739.7814	1739.9227	0.1413	81	59	72	QGFQCQVCCFVVHK			Carbamidomethyl (C)[5,8]		Mascot
1826.9316	1826.9619	0.0303	17	462	477	DLKLDNVMLDSEGHK					Mascot
1826.9316	1826.9619	0.0303	17	462	477	DLKLDNVMLDSEGHK					Mascot
1838.8611	1838.9028	0.0417	23	59	73	QGFQCQVCCFVVHKR			Carbamidomethyl (C)[5]		Mascot
1993.9205	1993.949	0.0285	14	372	388	DVVIQDDDVECTMVEKR					Mascot

	2584.2461	2584.1567	-0.0894	-35	412	433	LYFVMEYISGGDLMFQIQ QTGK		Oxidation (M)[5]		Mascot
	3057.4761	3057.4905	0.0144	5	273	299	ILACEEGVFFNVVPYVDE EEGNKELSK				Mascot
	3073.3489	3073.4746	0.1257	41	246	272	GTRNDYMGSMSEFISEL MNQSVDGWFK		Oxidation (M)[7]		Mascot
36	hypothetical protein LOC792509 [Danio rerio]				gi 181330474		178755.9	6.5	18	35	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.5032	-0.0174	-21	444	451	GKIIQAGR					Mascot
960.446	960.4697	0.0237	25	1457	1464	EDFAFFGK					Mascot
1302.7338	1302.7024	-0.0314	-24	797	808	STPSVVMVILEK					Mascot
1313.7535	1313.7443	-0.0092	-7	891	903	GGSAQQLIQVKK					Mascot
1320.7463	1320.5728	-0.1735	-131	759	768	VWKPFIDLR					Mascot
1324.6249	1324.6721	0.0472	36	1517	1527	MFLSHASCRR			Oxidation (M)[1]		Mascot
1338.7562	1338.6912	-0.065	-49	1299	1309	DIHRLCVIEK					Mascot
1472.6475	1472.793	0.1455	99	1422	1433	SCSRFYSPPEK			Carbamidomethyl (C)[2]		Mascot
1472.6475	1472.793	0.1455	99	1422	1433	SCSRFYSPPEK			Carbamidomethyl (C)[2]		Mascot
1475.7965	1475.7472	-0.0493	-33	1389	1400	EAEIISFRLNQR					Mascot
1739.9214	1739.9227	0.0013	1	326	341	AYPDINSLLGSTVYVK					Mascot
1753.953	1753.9365	-0.0165	-9	28	41	TVWRPNMRQIEPVK					Mascot
1838.8827	1838.9028	0.0201	11	1465	1480	EQRNAAVCNGLHHAYR					Mascot
2191.1687	2191.0083	-0.1604	-73	1	19	MLLQLLLWATLLCQICDG K			Oxidation (M)[1]		Mascot
2233.1533	2233.052	-0.1013	-45	844	865	TGELPLQVTAVAASFMG QDAVK					Mascot
2300.1484	2300.1521	0.0037	2	936	956	EDSLAALIRMPGGCVEQ NLAR			Carbamidomethyl (C)[14]		Mascot
2577.283	2577.3474	0.0644	25	1532	1555	EGQEYLIGPITDVWNAG STVSNK					Mascot
2584.1443	2584.1567	0.0124	5	1426	1446	FYSPPEDKQQLDQICEG DVCR			Carbamidomethyl (C)[15,20]		Mascot
2888.5347	2888.3589	-0.1758	-61	1	24	MLLQLLLWATLLCQICDG KAFFQR			Carbamidomethyl (C)[13,16]		Mascot

37	PREDICTED: hypothetical protein LOC100535533 [Danio rerio]				gi 326671744		3229.6	9.19	4	35	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.4641	996.5889	0.1248	125	4	12	AGPVFSCMK			Carbamidomethyl (C)[7]		Mascot
1287.5894	1287.6586	0.0692	54	1	12	MGKAGPVFSCMK			Oxidation (M)[1,11]		Mascot
1287.5894	1287.6586	0.0692	54	1	12	MGKAGPVFSCMK			Oxidation (M)[1,11]		Mascot

	1364.674	1364.6819	0.0079	6	13	24	HNGHAISMEIQK										Mascot
	1993.9912	1993.949	-0.0422	-21	13	30	HNGHAISMEIQKTGLWTA										Mascot
38	PREDICTED: gelsolin-like [Danio rerio]				gi 326668568		79933.9	6.95	11	35	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1164.499	1164.5541	0.0551	47	707	715	MWDTDPLDR			Oxidation (M)[1]		Mascot
1164.499	1164.5541	0.0551	47	707	715	MWDTDPLDR			Oxidation (M)[1]		Mascot
1382.7573	1382.7646	0.0073	5	485	497	GKPMIIHLGGTSR			Oxidation (M)[4]		Mascot
1472.641	1472.793	0.152	103	167	178	DIYQWCGSKCNR					Mascot
1472.641	1472.793	0.152	103	167	178	DIYQWCGSKCNR					Mascot
1515.7954	1515.7322	-0.0632	-42	430	441	EQHIIYTWQGLK					Mascot
1515.7954	1515.7322	-0.0632	-42	430	441	EQHIIYTWQGLK					Mascot
1626.8043	1626.889	0.0847	52	442	456	CTQDELTASAFITVK					Mascot
2174.1128	2174.1628	0.05	23	92	110	EVQNNESVTLGYFKTGIK					Mascot
2194.0332	2194.043	0.0098	4	267	285	QELLNPSCYILDNGLDSK			Carbamidomethyl (C)[9]		Mascot
2233.1533	2233.052	-0.1013	-45	522	541	AVEVEPCASKLNTNDVFV LK			Carbamidomethyl (C)[7]		Mascot
2283.0823	2283.1509	0.0686	30	111	131	YKQGGVSSGFNHVVSNE MNTK					Mascot
2283.0823	2283.1509	0.0686	30	111	131	YKQGGVSSGFNHVVSNE MNTK					Mascot
2298.199	2298.1667	-0.0323	-14	532	550	LNTNDVFVLKFPEGMFLWK					Mascot
2369.1482	2368.9788	-0.1694	-72	542	563	FPEGMFLWKGVGASDEEIAAAK			Oxidation (M)[5]		Mascot

39	PREDICTED: serine/threonine-protein kinase ATR [Danio rerio]				gi 292610566		298997.8	7.68	25	34	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5407	882.56	0.0193	22	1304	1311	IHALTSLK					Mascot
960.5546	960.4697	-0.0849	-88	1803	1811	LGQMLLA AK			Oxidation (M)[4]		Mascot
996.6199	996.5889	-0.031	-31	1898	1906	AKEPVLALR					Mascot
1109.4966	1109.4816	-0.015	-14	455	463	TQPMQVDMK			Oxidation (M)[4,8]		Mascot
1164.525	1164.5541	0.0291	25	2320	2328	FYTMMCKPK			Oxidation (M)[4]		Mascot
1164.6194	1164.5541	-0.0653	-56	1028	1036	REMLINNFK					Mascot
1179.6337	1179.5881	-0.0456	-39	1177	1186	MMTTLRTGLR					Mascot
1179.6337	1179.5881	-0.0456	-39	1177	1186	MMTTLRTGLR					Mascot

1277.6656	1277.6959	0.0303	24	1550	1560	EVTEEIMAVLK	Oxidation (M)[7]	Mascot
1287.6224	1287.6586	0.0362	28	1513	1522	VFNCCSFIK	Carbamidomethyl (C)[4,5]	Mascot
1287.7267	1287.6586	-0.0681	-53	869	880	NTLILTTGEIGR		Mascot
1302.5266	1302.7024	0.1758	135	94	104	NSENSCTDFTK	Carbamidomethyl (C)[6]	Mascot
1313.8191	1313.7443	-0.0748	-57	996	1007	TLQVLLPFLAAK		Mascot
1320.6287	1320.5728	-0.0559	-42	453	463	DKTQPMQVDMK		Mascot
1323.7155	1323.6609	-0.0546	-41	2395	2406	EKGIYVSGTELK		Mascot
1324.7008	1324.6721	-0.0287	-22	658	668	SSVYRWALQSK		Mascot
1382.7205	1382.7646	0.0441	32	1152	1163	KMALNSLSMLMK	Oxidation (M)[2]	Mascot
1434.7375	1434.7549	0.0174	12	1049	1059	EELERAFHYLK		Mascot
1475.6327	1475.7472	0.1145	78	113	125	IAACPECEDLHMK	Oxidation (M)[12]	Mascot
1493.757	1493.7196	-0.0374	-25	1653	1664	AVMHFESFIREK		Mascot
1739.7979	1739.9227	0.1248	72	1114	1128	EITTPGCMADYLQPK	Carbamidomethyl (C)[7], Oxidation (M)[8]	Mascot
1994.0011	1993.949	-0.0521	-26	902	920	SNPVSVAAYTEIQALATC R		Mascot
2150.012	2150.0425	0.0305	14	2169	2186	VFLAYPQQAMWMMTAV SK	Oxidation (M)[10,12,13]	Mascot
2174.0984	2174.1628	0.0644	30	58	76	SSSEPACVMLLDFVQHII K	Carbamidomethyl (C)[7]	Mascot
2191.1104	2191.0083	-0.1021	-47	2363	2381	TYAVIPLNEECGIIIEWVNK		Mascot
2888.5007	2888.3589	-0.1418	-49	522	547	SSESSVVAQLIWLKPQML AQVVESCR		Mascot

40 novel protein [Danio rerio] gi|148725299 82126.8 6.15 11 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5272	1045.5553	0.0281	27	600	608	GLLTQQDDR					Mascot
1062.5803	1062.6866	0.1063	100	442	449	FQIQQSRR					Mascot
1234.7041	1234.6671	-0.037	-30	613	622	EEIIAYIKQK					Mascot
1277.7212	1277.6959	-0.0253	-20	585	595	FLLSLSLQSNR					Mascot
1313.6519	1313.7443	0.0924	70	186	196	HQSLEIQVECK					Mascot
1323.6473	1323.6609	0.0136	10	692	701	FQRSDECLIR			Carbamidomethyl (C)[7]		Mascot
1870.9181	1870.8822	-0.0359	-19	45	60	SFTDNLQSIFQNLESK					Mascot
2211.2092	2211.0798	-0.1294	-59	93	111	SIITEAALDLTLFFLREMK					Mascot
2298.1812	2298.1667	-0.0145	-6	431	448	TLTQMYTHFLRFQIQQSR					Mascot
2577.1699	2577.3474	0.1775	69	19	41	EETPSSVRSVEYEAADL GDETHR					Mascot
2888.5264	2888.3589	-0.1675	-58	571	595	ALESENGHLDLYLRFLLS LSLQSNR					Mascot

41 interleukin 4/13B [Danio rerio] gi|193788073 13301.7 8.6 6 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1179.6224	1179.5881	-0.0343	-29	54	64	KTLCQAGMALK			Oxidation (M)[8]		Mascot
1179.6224	1179.5881	-0.0343	-29	54	64	KTLCQAGMALK			Oxidation (M)[8]		Mascot
1277.6704	1277.6959	0.0255	20	55	66	TLCQAGMALKGK			Carbamidomethyl (C)[3]		Mascot
1313.8038	1313.7443	-0.0595	-45	1	12	LTLVPVSESKLK					Mascot
1314.5718	1314.7384	0.1666	127	108	118	ACCHYLYSAQR					Mascot
1472.641	1472.793	0.152	103	108	119	ACCHYLYSAQRT			Carbamidomethyl (C)[2]		Mascot
1472.641	1472.793	0.152	103	108	119	ACCHYLYSAQRT			Carbamidomethyl (C)[2]		Mascot
2300.0903	2300.1521	0.0618	27	36	54	MDLDQFIPDIYETGHYSK K					Mascot

42 PREDICTED: disco-interacting protein 2 homolog C [Danio rerio]

gi|189536803 170745 7.39 16 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4501	882.56	0.1099	125	581	587	VCQYK GK			Carbamidomethyl (C)[2]		Mascot
996.4852	996.5889	0.1037	104	1014	1021	IATMLMER			Oxidation (M)[4,6]		Mascot
1045.5887	1045.5553	-0.0334	-32	1242	1251	GLGLQTESLK					Mascot
1165.567	1165.7386	0.1716	147	1166	1174	LQCELYPSR			Carbamidomethyl (C)[3]		Mascot
1234.6022	1234.6671	0.0649	53	1423	1433	RTELT DASGER					Mascot
1324.6599	1324.6721	0.0122	9	1011	1021	AEKIATMLMER			Oxidation (M)[7,9]		Mascot
1338.6757	1338.6912	0.0155	12	1081	1092	SACVMTTQIISK			Carbamidomethyl (C)[3]		Mascot
1382.8042	1382.7646	-0.0396	-29	1273	1284	IALTQSFSKLFK					Mascot
1493.7781	1493.7196	-0.0585	-39	1163	1174	SIKLQCELYPSR			Carbamidomethyl (C)[6]		Mascot
1626.6848	1626.889	0.2042	126	1228	1241	DTFCSYSVMELCTK					Mascot
2211.1074	2211.0798	-0.0276	-12	676	695	GVLSMQGLSYGVIRVDS EER			Oxidation (M)[5]		Mascot
2283.092	2283.1509	0.0589	26	236	257	YGNAELMETGDGVPVSS RVS AK			Oxidation (M)[7]		Mascot
2283.092	2283.1509	0.0589	26	236	257	YGNAELMETGDGVPVSS RVS AK			Oxidation (M)[7]		Mascot
2577.2112	2577.3474	0.1362	53	2	24	NVMEKSYELWEAGVGE GMHG PLK			Oxidation (M)[3]		Mascot
2593.2061	2593.3604	0.1543	60	2	24	NVMEKSYELWEAGVGE GMHG PLK			Oxidation (M)[3,18]		Mascot
2888.3594	2888.3589	-0.0005	0	616	641	MLVVADGSNPWISSCD AFLNVFQSK			Carbamidomethyl (C)[16], Oxidation (M)[1]		Mascot
3073.5444	3073.4746	-0.0698	-23	421	451	DAGSQIGFLLGSCGVT VALTSDACHKGLPK					Mascot
3338.7341	3338.7002	-0.0339	-10	1121	1151	KPPQLYKPSNPDTLAYLD FSVSTTGMLAGVK					Mascot

43 hypothetical protein LOC406311 [Danio rerio] gi|57526722 36648.1 5.5 7 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1109.5408	1109.4816	-0.0592	-53	146	153	EKLQECFR			Carbamidomethyl (C)[6]		Mascot
1165.6212	1165.7386	0.1174	101	63	72	VQGEYTLTVR					Mascot
2194.0088	2194.043	0.0342	16	22	39	EPSDLLQDAEWYWADIS R					Mascot
2300.1047	2300.1521	0.0474	21	1	21	MSRVSPAGTVNSTDDHL QTQR					Mascot
2593.3086	2593.3604	0.0518	20	89	110	FGFSEPLTFSSVPELISFY RNR					Mascot
3057.5349	3057.4905	-0.0444	-15	111	137	SLVHYNTSLDVTLAYPVT HCNTDLPVK			Carbamidomethyl (C)[20]		Mascot
3380.5774	3380.5308	-0.0466	-14	179	206	KAFEDISMTEISKQCYS QENFQNTLQK			Carbamidomethyl (C)[16], Oxidation (M)[8]		Mascot

44 protein EURL homolog [Danio rerio] gi|66472644 31687.9 6.47 7 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1234.6174	1234.6671	0.0497	40	78	88	ASHSTYEGVKR					Mascot
1277.6484	1277.6959	0.0475	37	76	87	AKASHSTYEGVK					Mascot
1338.6332	1338.6912	0.058	43	194	204	HSGHSREELMR					Mascot
1382.7322	1382.7646	0.0324	23	119	130	QILCHTQQAGR					Mascot
1753.8915	1753.9365	0.045	26	115	129	WGAQKILCHTQQAGR			Carbamidomethyl (C)[8]		Mascot
2593.1182	2593.3604	0.2422	93	2	22	EEEEHFVNIDLNDNICS CK			Carbamidomethyl (C)[17,20]		Mascot
3338.6282	3338.7002	0.072	22	23	53	LETDTGTLSFCHVCFELSI EGISSATLLHSK					Mascot

45 Zgc:136688 [Danio rerio] gi|49902960 48277.1 6.22 1 18 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1179.5609	1179.5881	0.0272	23	155	163	KMQEQLCSR	18	0	Carbamidomethyl (C)[7]	1	Mascot

46 talin-1 [Danio rerio] gi|57222259 270467 5.86 1 16 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1179.5422	1179.5881	0.0459	39	2441	2450	ADQDSQTMKR	16	0		2	Mascot

47	novel protein containing multiple scavenger receptor cysteine-rich (SRCR) domains similar to vertebrate deleted in malignant brain tumors 1 (DMBT1) [Danio rerio]	gi 55962439	527116.6	5.11	1		15	0			
Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
1179.5939	1179.5881	-0.0058	-5	3417	3427	LVNGFNLCSGR	15	0		3	Mascot

48	PREDICTED: hypothetical protein LOC796632 [Danio rerio]										gi 326680236	80853.4	8.42	1		13	0	
Peptide Information																		
Calc. Mass		Obsrv. Mass		± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification				Rank	Result Type	
1179.5674		1179.5881		0.0207	18	301	311	ESSLEVLSCGR		13		0				4	Mascot	

49	Ect2 protein [Danio rerio]	gi 66911847	109863.6	8.59	1	12	0					
Peptide Information												
Calc. Mass		Obsrv. Mass		± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1472.7856		1472.793		0.0074	5	211	223 DFDSAKVTHLIAR	12	0		2	Mascot

50	PREDICTED: PHD finger protein 1-like [Danio rerio]										gi 326675234	53292	8.13	1		12	0
<div>Peptide Information</div>																	
Calc. Mass		Obsrv. Mass		± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I. % Modification				Rank	Result Type	
1179.6302		1179.5881		-0.0421	-36	106	115 QCVFAVATKR			12	0 Carbamidomethyl (C)[2]				5	Mascot	

Gel Idx/Pos	254/K6	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %	
1	Vtg1 protein [Danio rerio]	gi 145337918	116565.5	9.07	8	335	100	321	100	
Peptide Information										
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
1070.4861		1070.4873	0.0012	1	627	635 NIEDHSAER	23	0		Mascot

1070.4861	1070.4873	0.0012	1	627	635	NIEDHSAER											Mascot
1379.7603	1379.7087	-0.0516	-37	139	151	EVVMLGYGSLIAK											Mascot
1515.7478	1515.7042	-0.0436	-29	439	451	VFGQEVAYVNFDK	67	99.995									Mascot
1515.7478	1515.7042	-0.0436	-29	439	451	VFGQEVAYVNFDK											Mascot
1723.9412	1723.8914	-0.0498	-29	452	467	TIIEEAIPMATGPKPR											Mascot
1739.936	1739.8898	-0.0462	-27	452	467	TIIEEAIPMATGPKPR	26	34.193	Oxidation (M)[9]								Mascot
1739.936	1739.8898	-0.0462	-27	452	467	TIIEEAIPMATGPKPR			Oxidation (M)[9]								Mascot
2174.1968	2174.0664	-0.1304	-60	476	495	ALQEGVAFQYAKPLLAAE VR	35	90.554									Mascot
2174.1968	2174.0664	-0.1304	-60	476	495	ALQEGVAFQYAKPLLAAE VR											Mascot
2187.1624	2186.9268	-0.2356	-108	303	324	ITAPDMASVAGAANVAIK LMSR											Mascot
2627.3716	2627.2959	-0.0757	-29	603	626	VEALPVELPEHIASASFET YAVVR											Mascot
2627.3716	2627.2959	-0.0757	-29	603	626	VEALPVELPEHIASASFET YAVVR	171	100									Mascot
3089.5942	3089.5261	-0.0681	-22	599	626	GNYKVEALPVELPEHIAS ASFETYAVVR											Mascot
2	vitellogenin 1 [Danio rerio]				gi 94733730		149140.4	8.74	8	332	100	321	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1070.4861	1070.4873	0.0012	1	921	929	NIEDHSAER	23	0			Mascot
1070.4861	1070.4873	0.0012	1	921	929	NIEDHSAER					Mascot
1379.7603	1379.7087	-0.0516	-37	433	445	EVVMLGYGSLIAK					Mascot
1515.7478	1515.7042	-0.0436	-29	733	745	VFGQEVAYVNFDK	67	99.995			Mascot
1515.7478	1515.7042	-0.0436	-29	733	745	VFGQEVAYVNFDK					Mascot
1723.9412	1723.8914	-0.0498	-29	746	761	TIIEEAIPMATGPKPR					Mascot
1739.936	1739.8898	-0.0462	-27	746	761	TIIEEAIPMATGPKPR	26	34.193	Oxidation (M)[9]		Mascot
1739.936	1739.8898	-0.0462	-27	746	761	TIIEEAIPMATGPKPR			Oxidation (M)[9]		Mascot
2174.1968	2174.0664	-0.1304	-60	770	789	ALQEGVAFQYAKPLLAAE VR	35	90.554			Mascot
2174.1968	2174.0664	-0.1304	-60	770	789	ALQEGVAFQYAKPLLAAE VR					Mascot
2187.1624	2186.9268	-0.2356	-108	597	618	ITAPDMASVAGAANVAIK LMSR					Mascot
2627.3716	2627.2959	-0.0757	-29	897	920	VEALPVELPEHIASASFET YAVVR					Mascot
2627.3716	2627.2959	-0.0757	-29	897	920	VEALPVELPEHIASASFET YAVVR	171	100			Mascot
3089.5942	3089.5261	-0.0681	-22	893	920	GNYKVEALPVELPEHIAS ASFETYAVVR					Mascot

3	vitellogenin 1 [Danio rerio]				gi 166795887		149452.5	8.68	11	316	100	297	100				
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Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type		
1070.4861	1070.4873	0.0012	1	921	929 NIEDHSAER	23	0			Mascot		
1070.4861	1070.4873	0.0012	1	921	929 NIEDHSAER					Mascot		
1379.7603	1379.7087	-0.0516	-37	433	445 EVVMLGYGSLIAK					Mascot		
1515.7478	1515.7042	-0.0436	-29	733	745 VFGQEVAYVNFDK	67	99.995			Mascot		
1515.7478	1515.7042	-0.0436	-29	733	745 VFGQEVAYVNFDK					Mascot		
1767.9673	1767.9131	-0.0542	-31	746	761 TIIEEAIPMTGPKPR			Oxidation (M)[9]		Mascot		
2174.1968	2174.0664	-0.1304	-60	770	789 ALQEGVAFQYAKPLLAEE VR	35	90.554			Mascot		
2174.1968	2174.0664	-0.1304	-60	770	789 ALQEGVAFQYAKPLLAEE VR					Mascot		
2187.2173	2186.9268	-0.2905	-133	713	732 ALTNWKALPTDKPLASAY VK					Mascot		
2193.2676	2193.0059	-0.2617	-119	746	765 TIIEEAIPMTGPKPRALL K			Oxidation (M)[9]		Mascot		
2233.2009	2233.0232	-0.1777	-80	593	614 SLTRITAPDMAYVAGAAN VAIK					Mascot		
2627.3716	2627.2959	-0.0757	-29	897	920 VEALPVELPEHIASASFET YAVVR					Mascot		
2627.3716	2627.2959	-0.0757	-29	897	920 VEALPVELPEHIASASFET YAVVR	171	100			Mascot		
3089.5942	3089.5261	-0.0681	-22	893	920 GNYKVEALPVELPEHIAS ASFETYAVVR					Mascot		
3338.6421	3338.668	0.0259	8	930	961 SIPLVPELSLQNSQASYA GDLSEMSSVASVR			Oxidation (M)[25]		Mascot		
4	hypothetical protein LOC564835 [Danio rerio]			gi 157787177		38057.1	6.2	5	231	100	215	100

Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type	
	1017.5727	1017.5414	-0.0313	-31	224	232 ITGFVDIPR						Mascot	
	1346.6448	1346.6342	-0.0106	-8	38	48 SYHEDVEVGRR						Mascot	
	1498.7173	1498.6754	-0.0419	-28	196	208 GLDSEQSYPYLAR		93	100			Mascot	
	1498.7173	1498.6754	-0.0419	-28	196	208 GLDSEQSYPYLAR						Mascot	
	2174.0989	2174.0664	-0.0325	-15	277	297 LDHAVLVVGYGYQGADV AGNR		122	100			Mascot	
	2174.0989	2174.0664	-0.0325	-15	277	297 LDHAVLVVGYGYQGADV AGNR						Mascot	
	2278.0015	2277.9395	-0.062	-27	135	154 QCGSCWSFSSTGALEG QLFR				Carbamidomethyl (C)[2,5]		Mascot	
5	cathepsin L, 1 b [Danio rerio]				gi 18858809		38005.1	5.99	4	228	100	215	100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank Result Type

		1346.6448	1346.6342	-0.0106	-8	38	48	SYHEDVEVGRR									Mascot
		1498.7173	1498.6754	-0.0419	-28	196	208	GLDSEQSYPYLAR	93	100							Mascot
		1498.7173	1498.6754	-0.0419	-28	196	208	GLDSEQSYPYLAR									Mascot
		2174.0989	2174.0664	-0.0325	-15	277	297	LDHAVLVVGYGYQGADV AGNR	122	100							Mascot
		2174.0989	2174.0664	-0.0325	-15	277	297	LDHAVLVVGYGYQGADV AGNR									Mascot
		2278.0015	2277.9395	-0.062	-27	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]						Mascot
6	hypothetical protein LOC567623 [Danio rerio]						gi 162138968	37987.1	6.31	4	227	100	215	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1346.6448	1346.6342	-0.0106	-8	38	48	SYHEDVEVGRR						Mascot
1498.7173	1498.6754	-0.0419	-28	196	208	GLDSEQSYPYLAR	93		100			Mascot
1498.7173	1498.6754	-0.0419	-28	196	208	GLDSEQSYPYLAR						Mascot
2174.0989	2174.0664	-0.0325	-15	277	297	LDHAVLVVGYGYQGADV AGNR	122		100			Mascot
2174.0989	2174.0664	-0.0325	-15	277	297	LDHAVLVVGYGYQGADV AGNR						Mascot
2278.0015	2277.9395	-0.062	-27	135	154	QCGSCWSFSSTGALEG QLFR				Carbamidomethyl (C)[2,5]		Mascot

7 hypothetical protein LOC563390 [Danio rerio] gi|156739275 38057.1 6.31 4 227 100 215 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1017.5727	1017.5414	-0.0313	-31	224	232	ITGFVDIPR						Mascot
1498.7173	1498.6754	-0.0419	-28	196	208	GLDSEQSYPYLAR	93		100			Mascot
1498.7173	1498.6754	-0.0419	-28	196	208	GLDSEQSYPYLAR						Mascot
2174.0989	2174.0664	-0.0325	-15	276	296	LDHAVLVVGYGYQGADV AGNR	122		100			Mascot
2174.0989	2174.0664	-0.0325	-15	276	296	LDHAVLVVGYGYQGADV AGNR						Mascot
2278.0015	2277.9395	-0.062	-27	135	154	QCGSCWSFSSTGALEG QLFR				Carbamidomethyl (C)[2,5]		Mascot

8 PREDICTED: cathepsin L1-like [Danio rerio] gi|326672302 37980.1 6.45 4 226 100 215 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1346.6448	1346.6342	-0.0106	-8	38	48	SYHEDVEVGRR						Mascot

	1498.7173	1498.6754	-0.0419	-28	196	208	GLDSEQSYYPYLAR	93	100				Mascot
	1498.7173	1498.6754	-0.0419	-28	196	208	GLDSEQSYYPYLAR						Mascot
	2174.0989	2174.0664	-0.0325	-15	276	296	LDHAVLVVGYGYQGADV AGNR	122	100				Mascot
	2174.0989	2174.0664	-0.0325	-15	276	296	LDHAVLVVGYGYQGADV AGNR						Mascot
	2278.0015	2277.9395	-0.062	-27	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]			Mascot
9	vitellogenin 1 [Danio rerio]				gi 21391472		127954.2	8.69	6	159	100	151	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1070.4861	1070.4873	0.0012	1	730	738	NIEDHSAER	23		0			Mascot
1070.4861	1070.4873	0.0012	1	730	738	NIEDHSAER						Mascot
1379.7603	1379.7087	-0.0516	-37	242	254	EVVMLGYGSLIAK						Mascot
1515.7478	1515.7042	-0.0436	-29	542	554	VFGQEVAYVNFDK	67	99.995				Mascot
1515.7478	1515.7042	-0.0436	-29	542	554	VFGQEVAYVNFDK						Mascot
1723.9412	1723.8914	-0.0498	-29	555	570	TIIEEAIPMATGPKPR						Mascot
1739.936	1739.8898	-0.0462	-27	555	570	TIIEEAIPMATGPKPR	26	34.193	Oxidation (M)[9]			Mascot
1739.936	1739.8898	-0.0462	-27	555	570	TIIEEAIPMATGPKPR			Oxidation (M)[9]			Mascot
2174.1968	2174.0664	-0.1304	-60	579	598	ALQEGVAFQYAKPLLAEE VR	35	90.554				Mascot
2174.1968	2174.0664	-0.1304	-60	579	598	ALQEGVAFQYAKPLLAEE VR						Mascot
2187.1624	2186.9268	-0.2356	-108	406	427	ITAPDMSVAGAANVAIK LMSR						Mascot

10	vitellogenin 6 [Danio rerio]				gi 303227889		150936.1	8.84	9	136	100	125	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
864.4461	864.4685	0.0224	26	98	105	DSFVPATK						Mascot
1070.4861	1070.4873	0.0012	1	932	940	NIEDHSAER	23		0			Mascot
1070.4861	1070.4873	0.0012	1	932	940	NIEDHSAER						Mascot
1379.7603	1379.7087	-0.0516	-37	444	456	EVVMLGYGSLIAK						Mascot
1515.7478	1515.7042	-0.0436	-29	744	756	VFGQEVAYVNFDK	67	99.995				Mascot
1515.7478	1515.7042	-0.0436	-29	744	756	VFGQEVAYVNFDK						Mascot
1767.9673	1767.9131	-0.0542	-31	757	772	TIIEEAIPMTGPKPR			Oxidation (M)[9]			Mascot
2174.1968	2174.0664	-0.1304	-60	781	800	ALQEGVAFQYAKPLLAEE VR	35	90.554				Mascot
2174.1968	2174.0664	-0.1304	-60	781	800	ALQEGVAFQYAKPLLAEE VR						Mascot

	2187.2173	2186.9268	-0.2905	-133	724	743	ALTNWKALPTDKPLASAY VK										Mascot
	2193.2676	2193.0059	-0.2617	-119	757	776	TIIEEAIPMTGPKPRALL K						Oxidation (M)[9]				Mascot
	2233.2009	2233.0232	-0.1777	-80	604	625	SLTRITAPDMAYVAGAAN VAIK										Mascot
11	vitellogenin 7 [Danio rerio]				gi 156713467		148739.2	8.76	7	133	100	125	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1070.4861	1070.4873	0.0012	1	921	929	NIEDHSAER	23	0			Mascot
1070.4861	1070.4873	0.0012	1	921	929	NIEDHSAER					Mascot
1263.5118	1263.6743	0.1625	129	1098	1110	SSSSSSSSMSSSR					Mascot
1379.7603	1379.7087	-0.0516	-37	433	445	EVVMLGYGSLIAK					Mascot
1515.7478	1515.7042	-0.0436	-29	733	745	VFGQEVAYVNFDK	67	99.995			Mascot
1515.7478	1515.7042	-0.0436	-29	733	745	VFGQEVAYVNFDK					Mascot
1537.7467	1537.6821	-0.0646	-42	981	994	GCVEVHSYNAAFIK					Mascot
1753.9517	1753.897	-0.0547	-31	746	761	TIIEEAIPMVSGPKPR			Oxidation (M)[9]		Mascot
2174.1968	2174.0664	-0.1304	-60	770	789	ALQEGVAFQYAKPLAAE VR	35	90.554			Mascot
2174.1968	2174.0664	-0.1304	-60	770	789	ALQEGVAFQYAKPLAAE VR					Mascot

12	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]				gi 94732723		147084.2	8.73	6	125	100	125	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1070.4861	1070.4873	0.0012	1	921	929	NIEDHSAER	23	0			Mascot
1070.4861	1070.4873	0.0012	1	921	929	NIEDHSAER					Mascot
1263.5118	1263.6743	0.1625	129	1098	1110	SSSSSSSSMSSSR					Mascot
1379.7603	1379.7087	-0.0516	-37	433	445	EVVMLGYGSLIAK					Mascot
1515.7478	1515.7042	-0.0436	-29	733	745	VFGQEVAYVNFDK	67	99.995			Mascot
1515.7478	1515.7042	-0.0436	-29	733	745	VFGQEVAYVNFDK					Mascot
1753.9517	1753.897	-0.0547	-31	746	761	TIIEEAIPMVSGPKPR			Oxidation (M)[9]		Mascot
2174.1968	2174.0664	-0.1304	-60	770	789	ALQEGVAFQYAKPLAAE VR	35	90.554			Mascot
2174.1968	2174.0664	-0.1304	-60	770	789	ALQEGVAFQYAKPLAAE VR					Mascot

13	hypothetical protein LOC678536 [Danio rerio]				gi 160420306		148750.2	8.89	12	110	100	91	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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[illegible]

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type

	1346.6448	1346.6342	-0.0106	-8	38	48	SYHEDVEVGRR									Mascot
	1498.7173	1498.6754	-0.0419	-28	196	208	GLDSEQSYPYLAR	93	100							Mascot
	1498.7173	1498.6754	-0.0419	-28	196	208	GLDSEQSYPYLAR									Mascot
	2278.0015	2277.9395	-0.062	-27	135	154	QCGSCWSFSSTGALEG QLFR				Carbamidomethyl (C)[2,5]					Mascot
	2721.3049	2721.2354	-0.0695	-26	271	296	ACTSQLDHAFLVVGYY QGADVAGNR				Carbamidomethyl (C)[2]					Mascot
16	vitellogenin 5 [Danio rerio]					gi 68448530	148868	8.77	8	100	100	91	100			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1070.4861	1070.4873	0.0012	1	921	929	NIEDHSAER	23	0				Mascot
1070.4861	1070.4873	0.0012	1	921	929	NIEDHSAER						Mascot
1324.5975	1324.6494	0.0519	39	1067	1079	NTPVSESSSSSR						Mascot
1324.5975	1324.6494	0.0519	39	1067	1079	NTPVSESSSSSR						Mascot
1379.7603	1379.7087	-0.0516	-37	433	445	EVVMLGYGLIAK						Mascot
1515.7478	1515.7042	-0.0436	-29	733	745	VFGQEVAYVNFDK	67	99.995				Mascot
1515.7478	1515.7042	-0.0436	-29	733	745	VFGQEVAYVNFDK						Mascot
1753.9517	1753.897	-0.0547	-31	746	761	SIIEEAIPMTGPKPR			Oxidation (M)[9]			Mascot
1840.8938	1840.8896	-0.0042	-2	72	86	LMDPLLYEYAGTWPR			Oxidation (M)[2]			Mascot
2278.2	2277.9395	-0.2605	-114	283	302	GSLQYELASEILQTPQL MK			Oxidation (M)[19]			Mascot
2577.3923	2577.3262	-0.0661	-26	897	920	VEALPVELPEHIASASFET LAVVR						Mascot

17 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733731 149169.2 8.84 7 99 100 91 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1070.4861	1070.4873	0.0012	1	925	933	NIEDHSAER	23	0				Mascot
1070.4861	1070.4873	0.0012	1	925	933	NIEDHSAER						Mascot
1324.5975	1324.6494	0.0519	39	1071	1083	NTPVSESSSSSR						Mascot
1324.5975	1324.6494	0.0519	39	1071	1083	NTPVSESSSSSR						Mascot
1379.7603	1379.7087	-0.0516	-37	437	449	EVVMLGYGLIAK						Mascot
1515.7478	1515.7042	-0.0436	-29	737	749	VFGQEVAYVNFDK	67	99.995				Mascot
1515.7478	1515.7042	-0.0436	-29	737	749	VFGQEVAYVNFDK						Mascot
1753.9517	1753.897	-0.0547	-31	750	765	SIIEEAIPMTGPKPR			Oxidation (M)[9]			Mascot
1840.8938	1840.8896	-0.0042	-2	76	90	LMDPLLYEYAGTWPR			Oxidation (M)[2]			Mascot
2577.3923	2577.3262	-0.0661	-26	901	924	VEALPVELPEHIASASFET						Mascot

18 vitellogenin 5 [Danio rerio] LAVVR gi|57864785 72820.8 9 4 75 99.846 67 99.995

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1324.5975	1324.6494	0.0519	39	376	388	NTPVSSSESSSSSR					Mascot
1324.5975	1324.6494	0.0519	39	376	388	NTPVSSSESSSSSR					Mascot
1515.7478	1515.7042	-0.0436	-29	42	54	VFGQEVAYVNFDK	67	99.995			Mascot
1515.7478	1515.7042	-0.0436	-29	42	54	VFGQEVAYVNFDK					Mascot
1753.9517	1753.897	-0.0547	-31	55	70	SIIEEAIPMTGPKPR			Oxidation (M)[9]		Mascot
2577.3923	2577.3262	-0.0661	-26	206	229	VEALPVELPEHIASASFET LAVVR					Mascot

19 PREDICTED: chondroitin sulfate N-acetylgalactosaminyltransferase 1-like [Danio rerio] gi|326671029 62803.2 9.11 10 52 68.496 19 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
868.4634	868.5009	0.0375	43	151	158	AEVHTGVR	19	0			Mascot
868.4634	868.5009	0.0375	43	151	158	AEVHTGVR					Mascot
1280.6151	1280.7035	0.0884	69	114	125	GMQDSLEKSTGK					Mascot
1324.5449	1324.6494	0.1045	79	443	453	DFGFGMTCQYR					Mascot
1324.5449	1324.6494	0.1045	79	443	453	DFGFGMTCQYR					Mascot
1379.6219	1379.7087	0.0868	63	122	135	STGKGMGGDVAEDR					Mascot
1475.7714	1475.7114	-0.06	-41	84	95	EEQHRQHIALSK					Mascot
1491.6897	1491.6094	-0.0803	-54	503	514	RCADELPDQYK			Carbamidomethyl (C)[2]		Mascot
1537.7402	1537.6821	-0.0581	-38	301	312	QFMHNFREVCVK					Mascot
1553.7351	1553.6711	-0.064	-41	301	312	QFMHNFREVCVK			Oxidation (M)[3]		Mascot
1753.9119	1753.897	-0.0149	-8	223	238	ASKVYTPSDFIEGLAR					Mascot
2174.1245	2174.0664	-0.0581	-27	48	73	AGGMALAGGPSRPGGV GGAPVGPAGR					Mascot
2174.1245	2174.0664	-0.0581	-27	48	73	AGGMALAGGPSRPGGV GGAPVGPAGR					Mascot
2577.3704	2577.3262	-0.0442	-17	276	298	SELVETSHMPINIVLPLSQ RADK					Mascot

20 ubiquitin-like protein 4A [Danio rerio] gi|41053523 17309 5.95 7 48 27.828

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	996.522	996.5663	0.0443	44	47	55	GKALADEHR										Mascot
	1096.7089	1096.5602	-0.1487	-136	2	11	ILTVKPLQGK										Mascot
	1179.5892	1179.5649	-0.0243	-21	56	66	LSDYSIGPEAK										Mascot
	1292.5787	1292.6201	0.0414	32	12	22	ECNVQVTENEK										Mascot
	1515.8125	1515.7042	-0.1083	-71	130	142	QLSLDDIERLASR										Mascot
	1515.8529	1515.7042	-0.1487	-98	92	106	GGSGVWQLLSTVLAK										Mascot
	1739.9398	1739.8898	-0.05	-29	28	42	ELVSERLNIPASQQR										Mascot
	1739.9398	1739.8898	-0.05	-29	28	42	ELVSERLNIPASQQR										Mascot
21	Zgc:110331 [Danio rerio]				gi 62202266		17382.1	8.3	7	43	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5294	882.5394	0.01	11	122	129	ELSLPPVK					Mascot
1045.5636	1045.5315	-0.0321	-31	42	51	NVGSLDKNAK					Mascot
1346.6443	1346.6342	-0.0101	-8	130	141	LHCSMLAEDAİK			Oxidation (M)[5]		Mascot
1515.7285	1515.7042	-0.0243	-16	151	164	QEGEPVEETAVART					Mascot
1515.7285	1515.7042	-0.0243	-16	151	164	QEGEPVEETAVART					Mascot
1739.9836	1739.8898	-0.0938	-54	9	24	CAAPQILKTL SAPTLR			Carbamidomethyl (C)[1]		Mascot
1739.9836	1739.8898	-0.0938	-54	9	24	CAAPQILKTL SAPTLR			Carbamidomethyl (C)[1]		Mascot
2247.1113	2247.0151	-0.0962	-43	84	104	FKTFGCGSAIASSSLATE WVK			Carbamidomethyl (C)[6]		Mascot
2267.1775	2267.0332	-0.1443	-64	122	141	ELSLPPVKLHCSMLAEDA İK			Carbamidomethyl (C)[11], Oxidation (M)[13]		Mascot

22 ATP synthase subunit gamma, mitochondrial [Danio rerio] gi|41152375 32113.8 9.43 8 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
840.476	840.365	-0.111	-132	143	149	HILLNCK					Mascot
864.4937	864.4685	-0.0252	-29	266	272	LTLTFNR					Mascot
890.5569	890.4963	-0.0606	-68	132	138	LRGLLYR					Mascot
996.5294	996.5663	0.0369	37	45	53	MVAAAKYSR					Mascot
999.5621	999.469	-0.0931	-93	185	192	FRSVISYK					Mascot
999.5621	999.469	-0.0931	-93	185	192	FRSVISYK					Mascot
1096.611	1096.5602	-0.0508	-46	86	95	HLIIGVSSDR					Mascot
1263.699	1263.6743	-0.0247	-20	139	149	THGKHILLNCK					Mascot
1338.7311	1338.6633	-0.0678	-51	143	153	HILLNCKEVGR			Carbamidomethyl (C)[6]		Mascot

23 Lrprrc protein [Danio rerio] gi|141795258 108135.4 5.27 15 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4283	864.4685	0.0402	47	525	531	AEAIWMK			Oxidation (M)[6]		Mascot
890.473	890.4963	0.0233	26	402	408	QYNQLPK					Mascot
1045.5524	1045.5315	-0.0209	-20	646	655	GNIEDAISVK					Mascot
1096.5092	1096.5602	0.051	47	98	106	FQNVENMAK			Oxidation (M)[7]		Mascot
1164.5466	1164.5322	-0.0144	-12	515	523	LCKETNDWR					Mascot
1164.6736	1164.5322	-0.1414	-121	224	234	AEGKPAHLTLK					Mascot
1179.5562	1179.5649	0.0087	7	722	731	DIQEVEAMTK			Oxidation (M)[8]		Mascot
1292.7684	1292.6201	-0.1483	-115	224	235	AEGKPAHLTLKK					Mascot
1346.6733	1346.6342	-0.0391	-29	698	709	ADQMPSQLAIR			Oxidation (M)[4]		Mascot
1363.6821	1363.7131	0.031	23	683	693	CQMKDSVQVLR			Carbamidomethyl (C)[1]		Mascot
1379.677	1379.7087	0.0317	23	683	693	CQMKDSVQVLR			Carbamidomethyl (C)[1], Oxidation (M)[3]		Mascot
1448.7488	1448.8805	0.1317	91	865	876	VMSLMELIPDIR			Oxidation (M)[2,5]		Mascot
1514.8325	1514.708	-0.1245	-82	175	187	NILESHHVPELVK					Mascot
1841.0392	1840.8896	-0.1496	-81	172	187	GIRNILESHHVPELVK					Mascot
2225.0508	2225.0549	0.0041	2	923	941	LYRDSGEPVPFEPAESF R					Mascot
2261.0498	2260.9248	-0.125	-55	188	206	EALTLVDKTDMMTEVMM FR			Oxidation (M)[12]		Mascot

24 PREDICTED: coronin-2B [Danio rerio] gi|292627941 53560.2 7.91 10 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4161	850.5162	0.1001	118	316	322	SLCVMPK			Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot
856.3948	856.4987	0.1039	121	2	8	SWSSAYR					Mascot
882.5519	882.5394	-0.0125	-14	199	205	LRIIDPR					Mascot
1346.6191	1346.6342	0.0151	11	78	89	VCGHQGSVMDIK			Carbamidomethyl (C)[2], Oxidation (M)[9]		Mascot
1379.677	1379.7087	0.0317	23	209	219	VLQESCCKSLR			Carbamidomethyl (C)[6,7]		Mascot
1723.9636	1723.8914	-0.0722	-42	120	134	NLTEALMILIGHSR					Mascot
1739.9585	1739.8898	-0.0687	-39	119	133	RNLTEALMILIGHSR			Oxidation (M)[8]		Mascot
1739.9585	1739.8898	-0.0687	-39	120	134	NLTEALMILIGHSR			Oxidation (M)[7]		Mascot
2173.9529	2174.0664	0.1135	52	90	108	WSPFMDNIIASSSEDCTV R			Oxidation (M)[5]		Mascot
2173.9529	2174.0664	0.1135	52	90	108	WSPFMDNIIASSSEDCTV R			Oxidation (M)[5]		Mascot

	2211.0435	2211.0432	-0.0003	0	71	89	VDPHYPRVCGHQGSVM DIK		Carbamidomethyl (C)[9], Oxidation (M)[16]	Mascot
	2436.376	2436.1438	-0.2322	-95	47	70	FLAVVTESAGGGAFIGVPL HKPGR			Mascot
25	novel protein similar to vertebrate flavoprotein oxidoreductase MICAL3 (MICAL3) [Danio rerio]				gi 94732107	22219.5	5.83	7	39	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1148.5504	1148.6537	0.1033	90	126	135	EMSVVVEPDK			Oxidation (M)[2]		Mascot
1179.6078	1179.5649	-0.0429	-36	115	125	EFGISPIMTGK					Mascot
1279.6528	1279.7412	0.0884	69	63	74	GVSVDLTTSWK					Mascot
1723.8333	1723.8914	0.0581	34	50	62	LLNWCQRQTGYR			Carbamidomethyl (C)[5]		Mascot
1739.8486	1739.8898	0.0412	24	86	99	YRPDLIDFESLDEK					Mascot
1739.8486	1739.8898	0.0412	24	86	99	YRPDLIDFESLDEK					Mascot
1753.8239	1753.897	0.0731	42	151	166	DTVPPGENQNLSPEEK					Mascot
2211.0815	2211.0432	-0.0383	-17	86	103	YRPDLIDFESLDEKDVEK					Mascot

26	novel protein similar to cytochrome P450, family 2, subfamily J [Danio rerio]				gi 55251120	56628.2	6.49	10	37	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.4046	868.5009	0.0963	111	467	474	FSATEGEK					Mascot
868.4046	868.5009	0.0963	111	467	474	FSATEGEK					Mascot
999.5543	999.469	-0.0853	-85	205	212	TMLKYISK			Oxidation (M)[2]		Mascot
999.5543	999.469	-0.0853	-85	205	212	TMLKYISK			Oxidation (M)[2]		Mascot
1045.5459	1045.5315	-0.0144	-14	443	451	VCLGEQIAR			Carbamidomethyl (C)[2]		Mascot
1070.4976	1070.4873	-0.0103	-10	432	441	DAFMFPSAGK					Mascot
1070.4976	1070.4873	-0.0103	-10	432	441	DAFMFPSAGK					Mascot
1263.6467	1263.6743	0.0276	22	160	169	FLLEEIDEQK					Mascot
1280.6191	1280.7035	0.0844	66	382	392	DTTLGECFIPK			Carbamidomethyl (C)[7]		Mascot
1338.6028	1338.6633	0.0605	45	149	159	TMELAICEESR			Carbamidomethyl (C)[7]		Mascot
1514.7921	1514.708	-0.0841	-56	332	344	VQEEIDRVIGNSR					Mascot
1677.8628	1677.7529	-0.1099	-65	378	392	VAARDTTLGECFIPK			Carbamidomethyl (C)[11]		Mascot
2627.3867	2627.2959	-0.0908	-35	33	56	NPPKYPPSPFSVPLLGN FNVDSK					Mascot
2627.3867	2627.2959	-0.0908	-35	33	56	NPPKYPPSPFSVPLLGN FNVDSK					Mascot

27	cytochrome P450, family 2, subfamily N, polypeptide 13				gi 55925283	56594.1	6.45	10	36	0
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[Danio rerio]

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
868.4046	868.5009	0.0963	111	467	474 FSATEGEK						Mascot
868.4046	868.5009	0.0963	111	467	474 FSATEGEK						Mascot
999.5543	999.469	-0.0853	-85	205	212 TMLKYISK			Oxidation (M)[2]			Mascot
999.5543	999.469	-0.0853	-85	205	212 TMLKYISK			Oxidation (M)[2]			Mascot
1045.5459	1045.5315	-0.0144	-14	443	451 VCLGEQIAR			Carbamidomethyl (C)[2]			Mascot
1070.4976	1070.4873	-0.0103	-10	432	441 DAFMPFSAGK						Mascot
1070.4976	1070.4873	-0.0103	-10	432	441 DAFMPFSAGK						Mascot
1263.6467	1263.6743	0.0276	22	160	169 FLLEEIDEQK						Mascot
1280.6191	1280.7035	0.0844	66	382	392 DTTLGECFIPK			Carbamidomethyl (C)[7]			Mascot
1338.6028	1338.6633	0.0605	45	149	159 TMELAICEESR			Carbamidomethyl (C)[7]			Mascot
1514.7921	1514.708	-0.0841	-56	332	344 VQEEIDRVIGNSR						Mascot
1677.8628	1677.7529	-0.1099	-65	378	392 VAARDTTLGECFIPK			Carbamidomethyl (C)[11]			Mascot
2627.3867	2627.2959	-0.0908	-35	33	56 NPPKYPPSPFSVPLLGNIFNVDSK						Mascot
2627.3867	2627.2959	-0.0908	-35	33	56 NPPKYPPSPFSVPLLGNIFNVDSK						Mascot
28	novel protein [Danio rerio]			gi 220678974		29629.7	9.23	9	36	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
999.4386	999.469	0.0304	30	74	81 FTCVQCGK			Carbamidomethyl (C)[3,6]			Mascot
999.4386	999.469	0.0304	30	74	81 FTCVQCGK			Carbamidomethyl (C)[3,6]			Mascot
1070.5121	1070.4873	-0.0248	-23	73	81 KFTCVQCGK			Carbamidomethyl (C)[4]			Mascot
1070.5121	1070.4873	-0.0248	-23	73	81 KFTCVQCGK			Carbamidomethyl (C)[4]			Mascot
1324.6943	1324.6494	-0.0449	-34	145	154 FNEHMKIHIR						Mascot
1324.6943	1324.6494	-0.0449	-34	145	154 FNEHMKIHIR						Mascot
1448.7236	1448.8805	0.1569	108	1	11 MEIEEKPCRIK			Carbamidomethyl (C)[8], Oxidation (M)[1]			Mascot
1677.736	1677.7529	0.0169	10	213	225 SFSCDQCEKTFRLR			Carbamidomethyl (C)[4,7]			Mascot
1753.7784	1753.897	0.1186	68	179	193 FHSEERPFCVCSQCGK						Mascot
1840.858	1840.8896	0.0316	17	123	137 IHTGERPFICEHCGK			Carbamidomethyl (C)[10,13]			Mascot
2233.0864	2233.0232	-0.0632	-28	120	137 HVRIHTGERPFICEHCGK			Carbamidomethyl (C)[13,16]			Mascot
2261.0371	2260.9248	-0.1123	-50	91	109 VHMRIHTGERPFTCTDCGK			Carbamidomethyl (C)[14], Oxidation (M)[3]			Mascot

29 novel protein (im:7150924) [Danio rerio] gi|220678255 161869.2 6.04 19 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
864.4283	864.4685	0.0402	47	1011	1017 AEAIWMK			Oxidation (M)[6]		Mascot
890.473	890.4963	0.0233	26	888	894 QYNQLPK					Mascot
922.4814	922.4324	-0.049	-53	1	8 PSLFSLCR					Mascot
1045.5524	1045.5315	-0.0209	-20	1132	1141 GNIEDAISVK					Mascot
1070.5265	1070.4873	-0.0392	-37	200	207 TYLQNEFR					Mascot
1070.5265	1070.4873	-0.0392	-37	200	207 TYLQNEFR					Mascot
1096.5092	1096.5602	0.051	47	584	592 FQNVENMAK			Oxidation (M)[7]		Mascot
1164.5466	1164.5322	-0.0144	-12	1001	1009 LCKETNDWR					Mascot
1164.6736	1164.5322	-0.1414	-121	710	720 AEGKPAHLTLK					Mascot
1179.5562	1179.5649	0.0087	7	1208	1217 DIQEVEAMTK			Oxidation (M)[8]		Mascot
1292.7684	1292.6201	-0.1483	-115	710	721 AEGKPAHLTLKK					Mascot
1346.6733	1346.6342	-0.0391	-29	1184	1195 ADQMPSQLAIR			Oxidation (M)[4]		Mascot
1363.6821	1363.7131	0.031	23	1169	1179 CQMKDSVQVLR			Carbamidomethyl (C)[1]		Mascot
1379.677	1379.7087	0.0317	23	1169	1179 CQMKDSVQVLR			Carbamidomethyl (C)[1], Oxidation (M)[3]		Mascot
1448.7488	1448.8805	0.1317	91	1351	1362 VMSLMELIPDIR			Oxidation (M)[2,5]		Mascot
1514.8325	1514.708	-0.1245	-82	661	673 NILESHHVPELVK					Mascot
1537.8308	1537.6821	-0.1487	-97	132	143 TLLHIFHDICR			Carbamidomethyl (C)[11]		Mascot
1841.0392	1840.8896	-0.1496	-81	658	673 GIRNILESHHVPELVK					Mascot
2225.0508	2225.0549	0.0041	2	1409	1427 LYRDSGEPVPFEEPAESF R					Mascot
2261.0498	2260.9248	-0.125	-55	674	692 EALTLDKTDMMTEVMM FR			Oxidation (M)[12]		Mascot
2625.4089	2625.2791	-0.1298	-49	464	485 AESLPIKPHYFLPLFAHH HKDK					Mascot

30 laminin alpha 1 [Danio rerio] gi|61744143 334156.2 5.77 21 35 0 13 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
842.5206	842.4858	-0.0348	-41	2393	2399 IALQRNK					Mascot
856.402	856.4987	0.0967	113	1778	1784 THNNQSR					Mascot
922.4345	922.4324	-0.0021	-2	3028	3034 GCMRNLR			Carbamidomethyl (C)[2], Oxidation (M)[3]		Mascot
999.3835	999.469	0.0855	86	1482	1489 CEEGYEGR			Carbamidomethyl (C)[1]		Mascot
999.3835	999.469	0.0855	86	1482	1489 CEEGYEGR	13	0	Carbamidomethyl (C)[1]		Mascot
1070.4142	1070.4873	0.0731	68	2294	2302 QGECGGCFR			Carbamidomethyl (C)[4,7]		Mascot

	1070.5953	1070.4873	-0.108	-101	255	263	DVDPIVTRR										Mascot
	1263.6112	1263.6743	0.0631	50	2327	2337	SMSTSVVMFFK										Mascot
	1279.6061	1279.7412	0.1351	106	2327	2337	SMSTSVVMFFK						Oxidation (M)[2]				Mascot
	1280.6229	1280.7035	0.0806	63	1286	1296	STQEHALTEHK										Mascot
	1324.6864	1324.6494	-0.037	-28	2451	2462	QVVARSFVGCМК										Mascot
	1324.6864	1324.6494	-0.037	-28	2451	2462	QVVARSFVGCМК										Mascot
	1379.739	1379.7087	-0.0303	-22	2052	2062	YSTQRTNQLLR										Mascot
	1498.6447	1498.6754	0.0307	20	972	985	CQCITGVTGDKCDR										Mascot
	1498.6447	1498.6754	0.0307	20	972	985	CQCITGVTGDKCDR										Mascot
	1514.8114	1514.708	-0.1034	-68	110	121	QFHWVTVTDLR										Mascot
	1553.8645	1553.6711	-0.1934	-124	2003	2016	NLPEGSRAEILQVK										Mascot
	1560.838	1560.8362	-0.0018	-1	1271	1285	LVIYTDASAPANGIR										Mascot
	1753.8789	1753.897	0.0181	10	240	254	TLNADLMTLSYRDPK						Oxidation (M)[7]				Mascot
	1840.7159	1840.8896	0.1737	94	1086	1101	NFPQCSACDCNPNGTR						Carbamidomethyl (C)[5,8]				Mascot
	2173.7786	2174.0664	0.2878	132	461	480	CECSLDGSHNTDPCMEC VCK										Mascot
	2173.7786	2174.0664	0.2878	132	461	480	CECSLDGSHNTDPCMEC VCK										Mascot
	2211.1914	2211.0432	-0.1482	-67	1959	1979	AALLKNHTDGLMLNVS AVTSR										Mascot
	2232.9365	2233.0232	0.0867	39	1531	1548	CECKPGVRGHLCDQCEE R						Carbamidomethyl (C)[1,3,12]				Mascot
	2246.7949	2247.0151	0.2202	98	461	480	CECSLDGSHNTDPCMEC VCK						Carbamidomethyl (C)[1], Oxidation (M)[15]				Mascot
	2278.0364	2277.9395	-0.0969	-43	2983	3003	CSVRSVNTENPHSSSTS AETK						Carbamidomethyl (C)[1]				Mascot
	2721.1814	2721.2354	0.054	20	1361	1385	LVEICECPPGYAGLSCQE CAPGYR										Mascot
31	hypothetical protein LOC566247 [Danio rerio]				gi 224496088		20456.5	8.24	6	35	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
868.5865	868.5009	-0.0856	-99	28	35	ALLILPTK					Mascot
868.5865	868.5009	-0.0856	-99	28	35	ALLILPTK					Mascot
922.3934	922.4324	0.039	42	177	184	GCDIQDKS			Carbamidomethyl (C)[2]		Mascot
996.6815	996.5663	-0.1152	-116	27	35	KALLILPTK					Mascot
1148.5365	1148.6537	0.1172	102	129	138	VNADQCLSNK			Carbamidomethyl (C)[6]		Mascot
1753.988	1753.897	-0.091	-52	28	43	ALLILPTKSSAHEMVK			Oxidation (M)[14]		Mascot
1840.9064	1840.8896	-0.0168	-9	163	176	IPCLYHNHLSFFR			Carbamidomethyl (C)[3]		Mascot

32	FLJ22611-like protein [Danio rerio]				gi 21105474		61570.7	8.74	11	35	0						
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Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4573	864.4685	0.0112	13	247	253	QAQIYNK					Mascot
870.462	870.5146	0.0526	60	333	338	AFWYKR					Mascot
999.5403	999.469	-0.0713	-71	130	137	VQSLKHCK			Carbamidomethyl (C)[7]		Mascot
999.5403	999.469	-0.0713	-71	130	137	VQSLKHCK			Carbamidomethyl (C)[7]		Mascot
1148.6283	1148.6537	0.0254	22	503	512	QNSKKPGPHR					Mascot
1164.5322	1164.5322	0	0	295	304	VPCCSLCGLR			Carbamidomethyl (C)[3,4]		Mascot
1164.5322	1164.5322	0	0	295	304	VPCCSLCGLR			Carbamidomethyl (C)[3,4]		Mascot
1263.6038	1263.6743	0.0705	56	268	277	YYTEKSITCR					Mascot
1292.6272	1292.6201	-0.0071	-5	294	304	KVPCCSLCGLR			Carbamidomethyl (C)[4,5]		Mascot
1338.5995	1338.6633	0.0638	48	234	244	GQEQMWTVSEK			Oxidation (M)[5]		Mascot
1553.7126	1553.6711	-0.0415	-27	2	15	FLWSPEASSVPCK					Mascot
2174.0698	2174.0664	-0.0034	-2	16	33	SEFINRALLEMFGFQER					Mascot
2174.0698	2174.0664	-0.0034	-2	16	33	SEFINRALLEMFGFQER					Mascot
2246.9827	2247.0151	0.0324	14	339	357	CHRCGMTGHFIDACPQI WR			Oxidation (M)[6]		Mascot

33 PREDICTED: discoidin domain-containing receptor 2 gi|326668701 98298 5.24 12 35 0
[Danio rerio]

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
840.3958	840.365	-0.0308	-37	133	139	YSRDGSR					Mascot
890.3849	890.4963	0.1114	125	2	9	GQDEEQGK					Mascot
1017.5377	1017.5414	0.0037	4	140	146	WISWRNR					Mascot
1045.5071	1045.5315	0.0244	23	833	840	LMLSCWHR					Mascot
1164.5037	1164.5322	0.0285	24	296	304	VHCNNMFSR			Carbamidomethyl (C)[3]		Mascot
1164.5037	1164.5322	0.0285	24	296	304	VHCNNMFSR			Carbamidomethyl (C)[3]		Mascot
1179.6005	1179.5649	-0.0356	-30	556	565	DVAVEEFSRK					Mascot
1263.5834	1263.6743	0.0909	72	296	305	VHCNNMFSRR					Mascot
1279.5782	1279.7412	0.163	127	296	305	VHCNNMFSRR			Oxidation (M)[6]		Mascot
1515.7625	1515.7042	-0.0583	-38	727	739	NFTIKIADFGMSR			Oxidation (M)[11]		Mascot
1515.7625	1515.7042	-0.0583	-38	727	739	NFTIKIADFGMSR			Oxidation (M)[11]		Mascot
1784.7587	1784.8633	0.1046	59	177	190	FMPVIDHSMNVCMR			Carbamidomethyl (C)[12], Oxidation (M)[2,9,13]		Mascot
2186.9966	2186.9268	-0.0698	-32	174	190	FVRFMFVIDHSMNVCMR			Carbamidomethyl (C)[15], Oxidation (M)[5,12,16]		Mascot
2577.6694	2577.3262	-0.3432	-133	412	434	ILIGCLVAIFILVAIIVILWR					Mascot

	2627.1211	2627.2959	0.1748	67	573	595	LGEGQFGEVHLCEAEGM QDFMDK					Carbamidomethyl (C)[12]	Mascot
	2627.1211	2627.2959	0.1748	67	573	595	LGEGQFGEVHLCEAEGM QDFMDK					Carbamidomethyl (C)[12]	Mascot
34	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1 [Danio rerio]				gi 37497110		67585.9	6.33	10	34	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
868.525	868.5009	-0.0241	-28	363	370	LILPEGAR					Mascot
868.525	868.5009	-0.0241	-28	363	370	LILPEGAR					Mascot
890.4326	890.4963	0.0637	72	499	507	DTGALNSGR					Mascot
999.4676	999.469	0.0014	1	486	493	HMDEVVNR					Mascot
999.4676	999.469	0.0014	1	486	493	HMDEVVNR					Mascot
1070.5588	1070.4873	-0.0715	-67	93	102	EKTVHGGQSGK					Mascot
1070.5588	1070.4873	-0.0715	-67	93	102	EKTVHGGQSGK					Mascot
1292.6191	1292.6201	0.001	1	196	206	DIPPFQDVMK			Oxidation (M)[10]		Mascot
1346.7274	1346.6342	-0.0932	-69	516	527	TLTNDITALQTR					Mascot
1363.6635	1363.7131	0.0496	36	551	562	DLVCRSSLDAER					Mascot
1514.8788	1514.708	-0.1708	-113	466	479	VASITEQVLTLVNK					Mascot
1515.8237	1515.7042	-0.1195	-79	43	56	ITAEIQLANRGSSR					Mascot
1515.8237	1515.7042	-0.1195	-79	43	56	ITAEIQLANRGSSR					Mascot
2436.3035	2436.1438	-0.1597	-66	122	142	VETVFSHVLKPFPTHITQ AER					Mascot

35	Si:ch211-63j24.3 protein [Danio rerio]				gi 197245556		65858.3	9.06	12	34	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.4457	856.4987	0.053	62	128	134	DMHLKGR					Mascot
870.577	870.5146	-0.0624	-72	161	167	LLEVKLKLR					Mascot
1017.5826	1017.5414	-0.0412	-40	276	284	LVSDTLLEK					Mascot
1051.5604	1051.6808	0.1204	114	418	426	CLEYLAALR					Mascot
1148.5088	1148.6537	0.1449	126	185	192	WHMEMSRR			Oxidation (M)[3]		Mascot
1164.5038	1164.5322	0.0284	24	185	192	WHMEMSRR			Oxidation (M)[3,5]		Mascot
1164.5038	1164.5322	0.0284	24	185	192	WHMEMSRR			Oxidation (M)[3,5]		Mascot
1165.6576	1165.7109	0.0533	46	266	275	IVSYSERALK					Mascot
1292.7395	1292.6201	-0.1194	-92	416	426	IKCLEYLAALR					Mascot

	1324.6604	1324.6494	-0.011	-8	527	538	EDVTANAQHALR							Mascot
	1324.6604	1324.6494	-0.011	-8	527	538	EDVTANAQHALR							Mascot
	1363.5972	1363.7131	0.1159	85	569	582	DGSDVGEAGEADGKK							Mascot
	1537.754	1537.6821	-0.0719	-47	237	249	RPDSPDDRHHIMAK							Mascot
	1553.7489	1553.6711	-0.0778	-50	237	249	RPDSPDDRHHIMAK				Oxidation (M)[11]			Mascot
	2267.2766	2267.0332	-0.2434	-107	216	236	MAPPPLMGRSPVPPPL PVR				Oxidation (M)[1,7]			Mascot
	2577.4683	2577.3262	-0.1421	-55	48	72	APAVVSKPSTSAVVKME EVKPPVVK							Mascot
36	nitrogen fixation cluster-like [Danio rerio]				gi 221307563		17420.2	8.83	6	33	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5294	882.5394	0.01	11	122	129	ELSLPPVK					Mascot
1045.5636	1045.5315	-0.0321	-31	42	51	NVGSLDKNAK					Mascot
1346.6443	1346.6342	-0.0101	-8	130	141	LHCSMLAEDAIAK			Oxidation (M)[5]		Mascot
1739.9836	1739.8898	-0.0938	-54	9	24	CAAPQILKTLAPTTLR			Carbamidomethyl (C)[1]		Mascot
1739.9836	1739.8898	-0.0938	-54	9	24	CAAPQILKTLAPTTLR			Carbamidomethyl (C)[1]		Mascot
2247.1113	2247.0151	-0.0962	-43	84	104	FKTFGCGSAIASSSLATE WVK			Carbamidomethyl (C)[6]		Mascot
2267.1775	2267.0332	-0.1443	-64	122	141	ELSLPPVKLHCSMLAEDA IK			Carbamidomethyl (C)[11], Oxidation (M)[13]		Mascot

37	PREDICTED: WD repeat and SOCS box-containing protein 2 [Danio rerio]				gi 292613638		45733.1	8.52	8	33	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1017.6203	1017.5414	-0.0789	-78	351	359	VPHLVPSLR					Mascot
1070.5015	1070.4873	-0.0142	-13	222	229	HLTYDHER					Mascot
1070.5015	1070.4873	-0.0142	-13	222	229	HLTYDHER					Mascot
1096.6514	1096.5602	-0.0912	-83	59	67	LLPWPLTTR					Mascot
1498.6631	1498.6754	0.0123	8	28	40	LYGTPDCETWSAR					Mascot
1498.6631	1498.6754	0.0123	8	28	40	LYGTPDCETWSAR					Mascot
2187.0513	2186.9268	-0.1245	-57	22	40	AAHRPRLYGTPDCETWS AR					Mascot
2233.259	2233.0232	-0.2358	-106	364	383	VALRFSISTYQVEALPLPT K					Mascot
2267.1741	2267.0332	-0.1409	-62	2	21	CAPPQAYNVKEPPELLAE LK			Carbamidomethyl (C)[1]		Mascot
3089.5593	3089.5261	-0.0332	-11	41	67	FSPDGSYFAWSMGFGVI KLLPWPLTTR			Oxidation (M)[12]		Mascot

38	PREDICTED: non-receptor tyrosine-protein kinase				gi 326666158		131488.6	6.79	14	33	0			
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TYK2-like [Danio rerio]

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
850.4668	850.5162	0.0494	58	1013	1020 IGDFGLTK				Mascot
922.4814	922.4324	-0.049	-53	206	213 CIPLSFSR				Mascot
996.4753	996.5663	0.091	91	1108	1116 LPCPPGCPR			Carbamidomethyl (C)[3]	Mascot
1070.4935	1070.4873	-0.0062	-6	34	42 DGERCLSYK				Mascot
1070.4935	1070.4873	-0.0062	-6	34	42 DGERCLSYK				Mascot
1148.5946	1148.6537	0.0591	51	443	452 EVEEGAFLVR				Mascot
1338.6405	1338.6633	0.0228	17	1105	1116 NERLPCPPGCPR				Mascot
1491.8026	1491.6094	-0.1932	-130	1152	1164 QPSSLQLAQLNHR				Mascot
1498.8165	1498.6754	-0.1411	-94	679	691 AHVSPQWKFTVAK				Mascot
1498.8165	1498.6754	-0.1411	-94	679	691 AHVSPQWKFTVAK				Mascot
1560.7111	1560.8362	0.1251	80	907	920 QEGDGSSLHVSWMK				Mascot
1677.958	1677.7529	-0.2051	-122	705	719 LVHGNVCGKNILVVR			Carbamidomethyl (C)[7]	Mascot
1739.965	1739.8898	-0.0752	-43	997	1012 DLAARNVLENEGVVK				Mascot
1739.965	1739.8898	-0.0752	-43	997	1012 DLAARNVLENEGVVK				Mascot
1767.8226	1767.9131	0.0905	51	1082	1097 FSDMMGTVHGQMTVVK				Mascot
2233.1399	2233.0232	-0.1167	-52	13	33 AGTSKGQSEGPGVHVFL FWTK				Mascot
2627.3748	2627.2959	-0.0789	-30	419	441 VVLSESNDLHGPLMDEF VLQKLK			Oxidation (M)[14]	Mascot
2627.3748	2627.2959	-0.0789	-30	419	441 VVLSESNDLHGPLMDEF VLQKLK			Oxidation (M)[14]	Mascot
39	lamin B receptor [Danio rerio]			gi 56207454		70231.7	9.49	10	33 0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
840.392	840.365	-0.027	-32	27	33 VMSFDNK				Mascot
850.5032	850.5162	0.013	15	382	388 IKSFDIK				Mascot
856.3868	856.4987	0.1119	131	27	33 VMSFDNK			Oxidation (M)[2]	Mascot
1070.5814	1070.4873	-0.0941	-88	80	89 SSARSPGRPR				Mascot
1070.5814	1070.4873	-0.0941	-88	80	89 SSARSPGRPR				Mascot
1164.6008	1164.5322	-0.0686	-59	518	528 NPSPDAVSHLK				Mascot
1164.6008	1164.5322	-0.0686	-59	518	528 NPSPDAVSHLK				Mascot
1292.6957	1292.6201	-0.0756	-58	517	528 KNPSDAVSHLK				Mascot
1363.5988	1363.7131	0.1143	84	598	608 KYGSAWEEYCK				Mascot

	1560.7952	1560.8362	0.041	26	2	15	PPARFQIGDVTVMGR						Oxidation (M)[12]	Mascot
	1784.968	1784.8633	-0.1047	-59	36	50	LYTVIYKDGTELELK							Mascot
	2193.032	2193.0059	-0.0261	-12	16	33	WPGSNLYYEKVMMSFDN K						Oxidation (M)[13]	Mascot
	2233.0579	2233.0232	-0.0347	-16	150	170	AAPVVTEETETETESQNT GGR							Mascot
40	RNA-binding protein 45 [Danio rerio]				gi 188528716		52052	6.69	7	33	0	13	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4265	850.5162	0.0897	105	144	151	NKTTGDSK					Mascot
868.4015	868.5009	0.0994	114	235	241	CLMVSSR	13	0	Carbamidomethyl (C)[1], Oxidation (M)[3]		Mascot
868.4015	868.5009	0.0994	114	235	241	CLMVSSR			Carbamidomethyl (C)[1], Oxidation (M)[3]		Mascot
870.4753	870.5146	0.0393	45	450	457	VMLADPPK					Mascot
890.5127	890.4963	-0.0164	-18	442	449	VVNGVKMK			Oxidation (M)[7]		Mascot
1263.6116	1263.6743	0.0627	50	293	303	LNGFEYPPGNNR					Mascot
1338.6172	1338.6633	0.0461	34	304	315	LSVSFVDDGEDR					Mascot
1537.6193	1537.6821	0.0628	41	67	80	SSQACTAMEEMHGR					Mascot
1553.6141	1553.6711	0.057	37	67	80	SSQACTAMEEMHGR			Oxidation (M)[8]		Mascot

41	stabilin-1 [Danio rerio]				gi 307344645		277672.3	5.86	1		17	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.4345	868.5009	0.0664	76	648	655	ISFGSCVR	17	0		2	Mascot

42	hypothetical protein LOC555595 [Danio rerio]				gi 320202999		113405.4	9.01	1		15	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.4634	868.5009	0.0375	43	688	694	EAEKHVR	17	0		2	Mascot

43	PREDICTED: retrotransposable element Tf2 155 kDa protein type 1-like [Danio rerio]				gi 326678715		151921.2	9.26	1		14	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.4457	868.5009	0.0552	64	878	885	ISCHPGVR	14	0		4	Mascot

44 2-oxo-4-hydroxy-4-carboxy-5-ureidoimidazoline
decarboxylase [Danio rerio] gi|122114553 19730.1 5.63 1 14 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1498.7623	1498.6754	-0.0869	-58	113	124	ERFGFPFVICAR	14	0	Carbamidomethyl (C)[10]	2	Mascot

45 laminin subunit alpha-1 [Danio rerio] gi|77993334 335488.1 5.65 1 13 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
999.3835	999.469	0.0855	86	1482	1489	CEEGYEGR	13	0	Carbamidomethyl (C)[1]	1	Mascot

46 NADH dehydrogenase [ubiquinone] 1 beta subcomplex
subunit 6 [Danio rerio] gi|41387136 15017.9 9.15 1 13 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1070.588	1070.4873	-0.1007	-94	64	73	AYFAGVTTLK	13	0		2	Mascot

47 LOC569234 protein [Danio rerio] gi|166796343 69947.9 8.63 1 13 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1164.6736	1164.5322	-0.1414	-121	624	633	VNSFLSRLK	13	0		1	Mascot

48 titin b [Danio rerio] gi|110005908 3197663 5.99 1 11 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1070.6428	1070.4873	-0.1555	-145	19771	19781	GIVVRAGGSVR	11	0		3	Mascot

49 Zgc:110243 protein [Danio rerio] gi|182889638 28999.9 9.27 1 11 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1498.7617	1498.6754	-0.0863	-58	59	71	GLIEACHRLEMAR	11	0		3	Mascot

50 39S ribosomal protein L20, mitochondrial [Danio rerio] gi|113679419 17280.4 11.64 1 11 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
868.4345	868.5009	0.0664	76	38	44 CYSLAVR	11	0	Carbamidomethyl (C)[1]	6	Mascot
Gel Idx/Pos 255/K7					Instr./Gel Origin BA2060/110707A			Process Status Analysis Succeeded		
Plate [#] Name [1] 31496					Instrument Sample Name			Spectra 11		
Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %	
1	Vtg1 protein [Danio rerio]	gi 63100501	36409.1	9.23	15	845	100	742	100	
Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4253	-0.0204	-25	198	204 QYAVFAK					Mascot
960.4785	960.45	-0.0285	-30	218	224 LEVEWER	45	99.09			Mascot
960.4785	960.45	-0.0285	-30	218	224 LEVEWER					Mascot
976.5322	976.4453	-0.0869	-89	25	32 FSSVPRQR					Mascot
984.4243	984.3965	-0.0278	-28	190	197 FSWGAECK	56	99.929	Carbamidomethyl (C)[7]		Mascot
984.4243	984.3965	-0.0278	-28	190	197 FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1118.682	1118.65	-0.032	-29	225	234 LPIIVTTYAK	73	99.999			Mascot
1118.682	1118.65	-0.032	-29	225	234 LPIIVTTYAK					Mascot
1287.6691	1287.6315	-0.0376	-29	205	217 AEAGVLGEFPAAR	118	100			Mascot
1287.6691	1287.6315	-0.0376	-29	205	217 AEAGVLGEFPAAR					Mascot
1327.7216	1327.6887	-0.0329	-25	260	271 EIELTAALPSQR					Mascot
1327.7216	1327.6887	-0.0329	-25	260	271 EIELTAALPSQR	71	99.998			Mascot
1364.6957	1364.6575	-0.0382	-28	239	250 HILTAAYDTGFR	100	100			Mascot
1364.6957	1364.6575	-0.0382	-28	239	250 HILTAAYDTGFR					Mascot
1380.7528	1380.6836	-0.0692	-50	31	41 QRIPTVMNLHR			Oxidation (M)[7]		Mascot
1660.8574	1660.8141	-0.0433	-26	159	173 VQLIVSSIAENDNMK					Mascot
1676.8523	1676.8071	-0.0452	-27	159	173 VQLIVSSIAENDNMK			Oxidation (M)[14]		Mascot
1796.9078	1796.8547	-0.0531	-30	239	253 HILTAAYDTGFRFER					Mascot
1826.9799	1826.9274	-0.0525	-29	143	158 LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9274	-0.0525	-29	143	158 LLGYQLAAYFDKPTAR	139	100			Mascot
1958.0189	1957.9636	-0.0553	-28	254	271 ATNSEKEIELTAALPSQR					Mascot
1958.0189	1957.9636	-0.0553	-28	254	271 ATNSEKEIELTAALPSQR	141	100			Mascot

	2060.1426	2060.0837	-0.0589	-29	218	234	LEVEWERLPIIVTTYAK							Mascot
	2269.1975	2268.9675	-0.23	-101	139	158	ADQKLLGYQLAAYFDKPT AR							Mascot
2	vitellogenin 1 [Danio rerio]				gi 166795887		149452.5	8.68	18	786	100	742	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
826.4457	826.4253	-0.0204	-25	1238	1244	QYAVFAK					Mascot	
960.4785	960.45	-0.0285	-30	1258	1264	LEVEWER	45	99.09			Mascot	
960.4785	960.45	-0.0285	-30	1258	1264	LEVEWER					Mascot	
984.4243	984.3965	-0.0278	-28	1230	1237	FSWGAECK	56	99.929	Carbamidomethyl (C)[7]		Mascot	
984.4243	984.3965	-0.0278	-28	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]		Mascot	
992.5015	992.4393	-0.0622	-63	615	622	LMNCKLDR					Mascot	
1118.682	1118.65	-0.032	-29	1265	1274	LPIIVTTYAK	73	99.999			Mascot	
1118.682	1118.65	-0.032	-29	1265	1274	LPIIVTTYAK					Mascot	
1287.6691	1287.6315	-0.0376	-29	1245	1257	AEAGVLGEFPAAR	118	100			Mascot	
1287.6691	1287.6315	-0.0376	-29	1245	1257	AEAGVLGEFPAAR					Mascot	
1327.7216	1327.6887	-0.0329	-25	1300	1311	EIELTAALPSQR					Mascot	
1327.7216	1327.6887	-0.0329	-25	1300	1311	EIELTAALPSQR	71	99.998			Mascot	
1364.6957	1364.6575	-0.0382	-28	1279	1290	HILTAAYDTGFR	100	100			Mascot	
1364.6957	1364.6575	-0.0382	-28	1279	1290	HILTAAYDTGFR					Mascot	
1382.7889	1382.7399	-0.049	-35	303	315	ISDAPAQIVEVLK					Mascot	
1382.7889	1382.7399	-0.049	-35	303	315	ISDAPAQIVEVLK					Mascot	
1660.8574	1660.8141	-0.0433	-26	1199	1213	VQLIVSSIAENDNMK					Mascot	
1676.8523	1676.8071	-0.0452	-27	1199	1213	VQLIVSSIAENDNMK			Oxidation (M)[14]		Mascot	
1796.8928	1796.8547	-0.0381	-21	72	86	LMDPLLYEYAGTWPK					Mascot	
1826.9799	1826.9274	-0.0525	-29	1183	1198	LLGYQLAAYFDKPTAR					Mascot	
1826.9799	1826.9274	-0.0525	-29	1183	1198	LLGYQLAAYFDKPTAR	139	100			Mascot	
1862.1262	1861.9109	-0.2153	-116	363	379	RWLLDALPAVGTPVLIK					Mascot	
1958.0189	1957.9636	-0.0553	-28	1294	1311	ATNSEKEIELTAALPSQR					Mascot	
1958.0189	1957.9636	-0.0553	-28	1294	1311	ATNSEKEIELTAALPSQR	141	100			Mascot	
2001.0573	2001.0215	-0.0358	-18	54	71	VSSKVLISATTENTYLMK			Oxidation (M)[17]		Mascot	
2060.1426	2060.0837	-0.0589	-29	1258	1274	LEVEWERLPIIVTTYAK					Mascot	
2269.1975	2268.9675	-0.23	-101	1179	1198	ADQKLLGYQLAAYFDKPT AR					Mascot	
2365.2075	2365.1101	-0.0974	-41	597	619	ITAPDMAYVAGAAANVAIK LMNCK					Mascot	

3	Vtg1 protein [Danio rerio]				gi 145337918		116565.5	9.07	15	782	100	742	100	
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Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
826.4457	826.4253	-0.0204	-25	944	950 QYAVFAK						Mascot
960.4785	960.45	-0.0285	-30	964	970 LEVEWER	45	99.09				Mascot
960.4785	960.45	-0.0285	-30	964	970 LEVEWER						Mascot
984.4243	984.3965	-0.0278	-28	936	943 FSWGAECK	56	99.929	Carbamidomethyl (C)[7]			Mascot
984.4243	984.3965	-0.0278	-28	936	943 FSWGAECK			Carbamidomethyl (C)[7]			Mascot
1118.682	1118.65	-0.032	-29	971	980 LPIIVTTYAK	73	99.999				Mascot
1118.682	1118.65	-0.032	-29	971	980 LPIIVTTYAK						Mascot
1287.6691	1287.6315	-0.0376	-29	951	963 AEAGVLGEFPAAR	118	100				Mascot
1287.6691	1287.6315	-0.0376	-29	951	963 AEAGVLGEFPAAR						Mascot
1327.7216	1327.6887	-0.0329	-25	1006	1017 EIELTAALPSQR						Mascot
1327.7216	1327.6887	-0.0329	-25	1006	1017 EIELTAALPSQR	71	99.998				Mascot
1364.6957	1364.6575	-0.0382	-28	985	996 HILTAAYDTGFR	100	100				Mascot
1364.6957	1364.6575	-0.0382	-28	985	996 HILTAAYDTGFR						Mascot
1382.7889	1382.7399	-0.049	-35	9	21 ISDAPAQIVEVLK						Mascot
1382.7889	1382.7399	-0.049	-35	9	21 ISDAPAQIVEVLK						Mascot
1660.8574	1660.8141	-0.0433	-26	905	919 VQLIVSSIAENDNMK						Mascot
1676.8523	1676.8071	-0.0452	-27	905	919 VQLIVSSIAENDNMK			Oxidation (M)[14]			Mascot
1796.9078	1796.8547	-0.0531	-30	985	999 HILTAAYDTGFRFER						Mascot
1826.9799	1826.9274	-0.0525	-29	889	904 LLGYQLAAYFDKPTAR						Mascot
1826.9799	1826.9274	-0.0525	-29	889	904 LLGYQLAAYFDKPTAR	139	100				Mascot
1862.1262	1861.9109	-0.2153	-116	69	85 RWLLDALPAVGTPVIK						Mascot
1958.0189	1957.9636	-0.0553	-28	1000	1017 ATNSEKEIELTAALPSQR						Mascot
1958.0189	1957.9636	-0.0553	-28	1000	1017 ATNSEKEIELTAALPSQR	141	100				Mascot
2060.1426	2060.0837	-0.0589	-29	964	980 LEVEWERLPIIVTTYAK						Mascot
2269.1975	2268.9675	-0.23	-101	885	904 ADQKLLGYQLAAYFDKPTAR						Mascot
4	vitellogenin 1 [Danio rerio]			gi 21391472		127954.2	8.69	15	779	100	742 100

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification				Rank Result Type
826.4457	826.4253	-0.0204	-25	1045	1051 QYAVFAK						Mascot
960.4785	960.45	-0.0285	-30	1065	1071 LEVEWER	45	99.09				Mascot
960.4785	960.45	-0.0285	-30	1065	1071 LEVEWER						Mascot

984.4243	984.3965	-0.0278	-28	1037	1044	FSWGAECK	56	99.929	Carbamidomethyl (C)[7]	Mascot
984.4243	984.3965	-0.0278	-28	1037	1044	FSWGAECK			Carbamidomethyl (C)[7]	Mascot
1118.682	1118.65	-0.032	-29	1072	1081	LPIIVTTYAK	73	99.999		Mascot
1118.682	1118.65	-0.032	-29	1072	1081	LPIIVTTYAK				Mascot
1287.6691	1287.6315	-0.0376	-29	1052	1064	AEAGVLGEFPAAR	118	100		Mascot
1287.6691	1287.6315	-0.0376	-29	1052	1064	AEAGVLGEFPAAR				Mascot
1327.7216	1327.6887	-0.0329	-25	1107	1118	EIELTAALPSQR				Mascot
1327.7216	1327.6887	-0.0329	-25	1107	1118	EIELTAALPSQR	71	99.998		Mascot
1364.6957	1364.6575	-0.0382	-28	1086	1097	HILTAAYDTGFR	100	100		Mascot
1364.6957	1364.6575	-0.0382	-28	1086	1097	HILTAAYDTGFR				Mascot
1382.7889	1382.7399	-0.049	-35	112	124	ISDAPAQIVEVLK				Mascot
1382.7889	1382.7399	-0.049	-35	112	124	ISDAPAQIVEVLK				Mascot
1660.8574	1660.8141	-0.0433	-26	1006	1020	VQLIVSSIAENDNMK				Mascot
1676.8523	1676.8071	-0.0452	-27	1006	1020	VQLIVSSIAENDNMK			Oxidation (M)[14]	Mascot
1796.9078	1796.8547	-0.0531	-30	1086	1100	HILTAAYDTGFRFER				Mascot
1826.9799	1826.9274	-0.0525	-29	990	1005	LLGYQLAAYFDKPTAR				Mascot
1826.9799	1826.9274	-0.0525	-29	990	1005	LLGYQLAAYFDKPTAR	139	100		Mascot
1862.1262	1861.9109	-0.2153	-116	172	188	RWLLDALPAVGTPVIK				Mascot
1958.0189	1957.9636	-0.0553	-28	1101	1118	ATNSEKEIELTAALPSQR				Mascot
1958.0189	1957.9636	-0.0553	-28	1101	1118	ATNSEKEIELTAALPSQR	141	100		Mascot
2060.1426	2060.0837	-0.0589	-29	1065	1081	LEVEWERLPIIVTTYAK				Mascot
2269.1975	2268.9675	-0.23	-101	986	1005	ADQKLLGYQLAAYFDKPTAR				Mascot

5 vitellogenin 1 [Danio rerio] gi|94733730 149140.4 8.74 16 775 100 742 100

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
826.4457	826.4253	-0.0204	-25	1238	1244	QYAVFAK			Mascot
960.4785	960.45	-0.0285	-30	1258	1264	LEVEWER	45	99.09	Mascot
960.4785	960.45	-0.0285	-30	1258	1264	LEVEWER			Mascot
984.4243	984.3965	-0.0278	-28	1230	1237	FSWGAECK	56	99.929	Carbamidomethyl (C)[7]
984.4243	984.3965	-0.0278	-28	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]
1118.682	1118.65	-0.032	-29	1265	1274	LPIIVTTYAK	73	99.999	
1118.682	1118.65	-0.032	-29	1265	1274	LPIIVTTYAK			
1287.6691	1287.6315	-0.0376	-29	1245	1257	AEAGVLGEFPAAR	118	100	
1287.6691	1287.6315	-0.0376	-29	1245	1257	AEAGVLGEFPAAR			
1327.7216	1327.6887	-0.0329	-25	1300	1311	EIELTAALPSQR			

		1327.7216	1327.6887	-0.0329	-25	1300	1311	EIELTAALPSQR	71	99.998						Mascot
		1364.6957	1364.6575	-0.0382	-28	1279	1290	HILTAAYDTGFR	100	100						Mascot
		1364.6957	1364.6575	-0.0382	-28	1279	1290	HILTAAYDTGFR								Mascot
		1382.7889	1382.7399	-0.049	-35	303	315	ISDAPAQIVEVLK								Mascot
		1382.7889	1382.7399	-0.049	-35	303	315	ISDAPAQIVEVLK								Mascot
		1660.8574	1660.8141	-0.0433	-26	1199	1213	VQLIVSSIAENDNMK								Mascot
		1676.8523	1676.8071	-0.0452	-27	1199	1213	VQLIVSSIAENDNMK			Oxidation (M)[14]					Mascot
		1796.8928	1796.8547	-0.0381	-21	72	86	LMDPLLYEYAGTWPK								Mascot
		1826.9799	1826.9274	-0.0525	-29	1183	1198	LLGYQLAAYFDKPTAR								Mascot
		1826.9799	1826.9274	-0.0525	-29	1183	1198	LLGYQLAAYFDKPTAR	139	100						Mascot
		1862.1262	1861.9109	-0.2153	-116	363	379	RWLLDALPAVGTPVIK								Mascot
		1958.0189	1957.9636	-0.0553	-28	1294	1311	ATNSEKEIELTAALPSQR								Mascot
		1958.0189	1957.9636	-0.0553	-28	1294	1311	ATNSEKEIELTAALPSQR	141	100						Mascot
		2001.0573	2001.0215	-0.0358	-18	54	71	VSSKVLISATTENTYLMK			Oxidation (M)[17]					Mascot
		2060.1426	2060.0837	-0.0589	-29	1258	1274	LEVEWERLPIIVTTYAK								Mascot
		2269.1975	2268.9675	-0.23	-101	1179	1198	ADQKLLGYQLAAYFDKPTAR								Mascot
6	vitellogenin 6 [Danio rerio]						gi 57864787	38968.8	8.92	9	496	100	453	100		
	Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification				Rank	Result Type
		826.4457	826.4253	-0.0204	-25	235	241	QYAVFAK								Mascot
		960.4785	960.45	-0.0285	-30	255	261	LEVEWER	45	99.09						Mascot
		960.4785	960.45	-0.0285	-30	255	261	LEVEWER								Mascot
		984.4243	984.3965	-0.0278	-28	227	234	FSWGAECK	56	99.929	Carbamidomethyl (C)[7]					Mascot
		984.4243	984.3965	-0.0278	-28	227	234	FSWGAECK			Carbamidomethyl (C)[7]					Mascot
		1326.6511	1326.7177	0.0666	50	223	234	VTAKFSWGAECK								Mascot
		1327.7216	1327.6887	-0.0329	-25	297	308	EIELTAALPSQR								Mascot
		1327.7216	1327.6887	-0.0329	-25	297	308	EIELTAALPSQR	71	99.998						Mascot
		1660.7119	1660.8141	0.1022	62	139	154	DTSSGSAASFEQMQK			Oxidation (M)[14]					Mascot
		1826.9799	1826.9274	-0.0525	-29	180	195	LLGYQLAAYFDKPTAR								Mascot
		1826.9799	1826.9274	-0.0525	-29	180	195	LLGYQLAAYFDKPTAR	139	100						Mascot
		1958.0189	1957.9636	-0.0553	-28	291	308	ATNSEKEIELTAALPSQR								Mascot
		1958.0189	1957.9636	-0.0553	-28	291	308	ATNSEKEIELTAALPSQR	141	100						Mascot
		2269.1975	2268.9675	-0.23	-101	176	195	ADQKLLGYQLAAYFDKPTAR								Mascot
7	vitellogenin 7 [Danio rerio]						gi 57864789	24318.7	8.37	8	480	100	429	100		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4253	-0.0204	-25	93	99 QYAVFAK					Mascot
960.4785	960.45	-0.0285	-30	113	119 LEVEWER	45	99.09			Mascot
960.4785	960.45	-0.0285	-30	113	119 LEVEWER					Mascot
984.4243	984.3965	-0.0278	-28	85	92 FSWGAECK	56	99.929	Carbamidomethyl (C)[7]		Mascot
984.4243	984.3965	-0.0278	-28	85	92 FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1118.6238	1118.65	0.0262	23	68	78 KICADGALLSK					Mascot
1118.682	1118.65	-0.032	-29	120	129 LPIIVTTYAK	73	99.999			Mascot
1287.6691	1287.6315	-0.0376	-29	100	112 AEAGVLGEFPAAR	118	100			Mascot
1287.6691	1287.6315	-0.0376	-29	100	112 AEAGVLGEFPAAR					Mascot
1826.9799	1826.9274	-0.0525	-29	38	53 LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9274	-0.0525	-29	38	53 LLGYQLAAYFDKPTAR	139	100			Mascot
2060.1426	2060.0837	-0.0589	-29	113	129 LEVEWERLPIIVTTYAK					Mascot

8 vitellogenin 6 [Danio rerio] gi|303227889 150936.1 8.84 13 473 100 453 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4253	-0.0204	-25	1256	1262 QYAVFAK					Mascot
960.4785	960.45	-0.0285	-30	1276	1282 LEVEWER	45	99.09			Mascot
960.4785	960.45	-0.0285	-30	1276	1282 LEVEWER					Mascot
984.4243	984.3965	-0.0278	-28	1248	1255 FSWGAECK	56	99.929	Carbamidomethyl (C)[7]		Mascot
984.4243	984.3965	-0.0278	-28	1248	1255 FSWGAECK			Carbamidomethyl (C)[7]		Mascot
992.5015	992.4393	-0.0622	-63	626	633 LMNCKLDR					Mascot
1326.6511	1326.7177	0.0666	50	1244	1255 VTAKFSWGAECK					Mascot
1327.7216	1327.6887	-0.0329	-25	1318	1329 EIELTAALPSQR					Mascot
1327.7216	1327.6887	-0.0329	-25	1318	1329 EIELTAALPSQR	71	99.998			Mascot
1660.7119	1660.8141	0.1022	62	1160	1175 DTSSGSAASFEQMQK			Oxidation (M)[14]		Mascot
1796.8928	1796.8547	-0.0381	-21	83	97 LMDPLLYEYAGTWPK					Mascot
1826.9799	1826.9274	-0.0525	-29	1201	1216 LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9274	-0.0525	-29	1201	1216 LLGYQLAAYFDKPTAR	139	100			Mascot
1862.1262	1861.9109	-0.2153	-116	374	390 RWLLDALPAVGTPVIK					Mascot
1958.0189	1957.9636	-0.0553	-28	1312	1329 ATNSEKEIELTAALPSQR					Mascot
1958.0189	1957.9636	-0.0553	-28	1312	1329 ATNSEKEIELTAALPSQR	141	100			Mascot

	2269.1975	2268.9675	-0.23	-101	1197	1216	ADQKLLGYQLAAYFDKPT AR										Mascot
	2365.2075	2365.1101	-0.0974	-41	608	630	ITAPDMAYVAGAANVAIK LMNCK										Mascot
9	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733734 149808.5 8.83 13 471 100 453 100																

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4253	-0.0204	-25	1245	1251 QYAVFAK					Mascot
960.4785	960.45	-0.0285	-30	1265	1271 LEVEWER	45	99.09			Mascot
960.4785	960.45	-0.0285	-30	1265	1271 LEVEWER					Mascot
984.4243	984.3965	-0.0278	-28	1237	1244 FSWGAECK	56	99.929	Carbamidomethyl (C)[7]		Mascot
984.4243	984.3965	-0.0278	-28	1237	1244 FSWGAECK			Carbamidomethyl (C)[7]		Mascot
992.5015	992.4393	-0.0622	-63	619	626 LMNCKLDR					Mascot
1326.6511	1326.7177	0.0666	50	1233	1244 VTAKFSWGAECK					Mascot
1327.7216	1327.6887	-0.0329	-25	1307	1318 EIELTAALPSQR					Mascot
1327.7216	1327.6887	-0.0329	-25	1307	1318 EIELTAALPSQR	71	99.998			Mascot
1660.7119	1660.8141	0.1022	62	1149	1164 DTSSGSAAASFEQMQK			Oxidation (M)[14]		Mascot
1796.8928	1796.8547	-0.0381	-21	76	90 LMDPLLYEYAGTWPK					Mascot
1826.9799	1826.9274	-0.0525	-29	1190	1205 LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9274	-0.0525	-29	1190	1205 LLGYQLAAYFDKPTAR	139	100			Mascot
1862.1262	1861.9109	-0.2153	-116	367	383 RWLLDALPAVGTPVIK					Mascot
1958.0189	1957.9636	-0.0553	-28	1301	1318 ATNSEKEIELTAALPSQR					Mascot
1958.0189	1957.9636	-0.0553	-28	1301	1318 ATNSEKEIELTAALPSQR	141	100			Mascot
2269.1975	2268.9675	-0.23	-101	1186	1205 ADQKLLGYQLAAYFDKPT AR					Mascot
2365.2075	2365.1101	-0.0974	-41	601	623 ITAPDMAYVAGAANVAIK LMNCK					Mascot

10	vitellogenin 7 [Danio rerio] gi 156713467 148739.2 8.76 11 433 100 429 100																
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4253	-0.0204	-25	1234	1240 QYAVFAK					Mascot
960.4785	960.45	-0.0285	-30	1254	1260 LEVEWER	45	99.09			Mascot
960.4785	960.45	-0.0285	-30	1254	1260 LEVEWER					Mascot
984.4243	984.3965	-0.0278	-28	1226	1233 FSWGAECK	56	99.929	Carbamidomethyl (C)[7]		Mascot
984.4243	984.3965	-0.0278	-28	1226	1233 FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1118.6238	1118.65	0.0262	23	1209	1219 KICADGALLSK					Mascot

1118.682	1118.65	-0.032	-29	1261	1270	LPIIVTTYAK	73	99.999					Mascot
1287.6691	1287.6315	-0.0376	-29	1241	1253	AEAGVLGEFPAAR	118	100					Mascot
1287.6691	1287.6315	-0.0376	-29	1241	1253	AEAGVLGEFPAAR							Mascot
1347.7882	1347.5968	-0.1914	-142	1111	1122	LSKTATIIPEFK							Mascot
1796.8928	1796.8547	-0.0381	-21	72	86	LMDPLLYEYAGTWPK							Mascot
1826.9799	1826.9274	-0.0525	-29	1179	1194	LLGYQLAAYFDKPTAR							Mascot
1826.9799	1826.9274	-0.0525	-29	1179	1194	LLGYQLAAYFDKPTAR	139	100					Mascot
1862.1262	1861.9109	-0.2153	-116	363	379	RWLLDALPAVGTPVLIK							Mascot
2060.1426	2060.0837	-0.0589	-29	1254	1270	LEVEWERLPIIVTTYAK							Mascot

11 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94732723 147084.2 8.73 11 432 100 429 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4253	-0.0204	-25	1219	1225	QYAVFAK					Mascot
960.4785	960.45	-0.0285	-30	1239	1245	LEVEWER	45	99.09			Mascot
960.4785	960.45	-0.0285	-30	1239	1245	LEVEWER					Mascot
984.4243	984.3965	-0.0278	-28	1211	1218	FSWGAECK	56	99.929	Carbamidomethyl (C)[7]		Mascot
984.4243	984.3965	-0.0278	-28	1211	1218	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1118.6238	1118.65	0.0262	23	1194	1204	KICADGALLSK					Mascot
1118.682	1118.65	-0.032	-29	1246	1255	LPIIVTTYAK	73	99.999			Mascot
1287.6691	1287.6315	-0.0376	-29	1226	1238	AEAGVLGEFPAAR	118	100			Mascot
1287.6691	1287.6315	-0.0376	-29	1226	1238	AEAGVLGEFPAAR					Mascot
1660.7119	1660.8141	0.1022	62	1123	1138	DTSSGSAASFEQMQK			Oxidation (M)[14]		Mascot
1796.8928	1796.8547	-0.0381	-21	72	86	LMDPLLYEYAGTWPK					Mascot
1826.9799	1826.9274	-0.0525	-29	1164	1179	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9274	-0.0525	-29	1164	1179	LLGYQLAAYFDKPTAR	139	100			Mascot
1862.1262	1861.9109	-0.2153	-116	363	379	RWLLDALPAVGTPVLIK					Mascot
2060.1426	2060.0837	-0.0589	-29	1239	1255	LEVEWERLPIIVTTYAK					Mascot

12 Vtg6 protein [Danio rerio] gi|157422885 27937.4 9.18 7 345 100 314 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.4457	826.4253	-0.0204	-25	129	135	QYAVFAK					Mascot
960.4785	960.45	-0.0285	-30	149	155	LEVEWER	45	99.09			Mascot
960.4785	960.45	-0.0285	-30	149	155	LEVEWER					Mascot

	984.4243	984.3965	-0.0278	-28	121	128	FSWGAECK	56	99.929	Carbamidomethyl (C)[7]	Mascot		
	984.4243	984.3965	-0.0278	-28	121	128	FSWGAECK			Carbamidomethyl (C)[7]	Mascot		
	1326.6511	1326.7177	0.0666	50	117	128	VTAKFSWGAECK				Mascot		
	1327.7216	1327.6887	-0.0329	-25	191	202	EIELTAALPSQR				Mascot		
	1327.7216	1327.6887	-0.0329	-25	191	202	EIELTAALPSQR	71	99.998		Mascot		
	1660.7119	1660.8141	0.1022	62	33	48	DTSSGSAASFEQMQK			Oxidation (M)[14]	Mascot		
	1958.0189	1957.9636	-0.0553	-28	185	202	ATNSEKEIELTAALPSQR				Mascot		
	1958.0189	1957.9636	-0.0553	-28	185	202	ATNSEKEIELTAALPSQR	141	100		Mascot		
13	Vtg5 protein [Danio rerio]				gi 148744685		27543.3	9.2	8	281	100	240	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
826.4457	826.4253	-0.0204	-25	124	130	QYAVFAK						Mascot
960.4785	960.45	-0.0285	-30	144	150	LEVEWER	45	99.09				Mascot
960.4785	960.45	-0.0285	-30	144	150	LEVEWER						Mascot
984.4243	984.3965	-0.0278	-28	116	123	FSWGAECK	56	99.929		Carbamidomethyl (C)[7]		Mascot
984.4243	984.3965	-0.0278	-28	116	123	FSWGAECK				Carbamidomethyl (C)[7]		Mascot
1376.7069	1376.6591	-0.0478	-35	165	176	HILNAAyntGFR						Mascot
1660.7119	1660.8141	0.1022	62	28	43	DTSSGSAASFEQMQK				Oxidation (M)[14]		Mascot
1763.901	1763.7534	-0.1476	-84	162	176	VCKHILNAAyntGFR				Carbamidomethyl (C)[2]		Mascot
1826.9799	1826.9274	-0.0525	-29	69	84	LLGYQLAAYFDKPTAR						Mascot
1826.9799	1826.9274	-0.0525	-29	69	84	LLGYQLAAYFDKPTAR	139	100				Mascot
2269.1975	2268.9675	-0.23	-101	65	84	ADQKLLGYQLAAYFDKPTAR						Mascot

14	Zgc:136383 [Danio rerio]				gi 92097636		28809.9	9.33	8	279	100	240	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
826.4457	826.4253	-0.0204	-25	136	142	QYAVFAK						Mascot
960.4785	960.45	-0.0285	-30	156	162	LEVEWER	45	99.09				Mascot
960.4785	960.45	-0.0285	-30	156	162	LEVEWER						Mascot
984.4243	984.3965	-0.0278	-28	128	135	FSWGAECK	56	99.929		Carbamidomethyl (C)[7]		Mascot
984.4243	984.3965	-0.0278	-28	128	135	FSWGAECK				Carbamidomethyl (C)[7]		Mascot
1118.5986	1118.65	0.0514	46	217	225	IPEITMSRR				Oxidation (M)[6]		Mascot
1118.5986	1118.65	0.0514	46	217	225	IPEITMSRR				Oxidation (M)[6]		Mascot
1326.6511	1326.7177	0.0666	50	124	135	VTAKFSWGAECK						Mascot

	1660.7703	1660.8141	0.0438	26	1	15	MLPLSSSMSSSRMSK						Oxidation (M)[1,8]	Mascot
	1676.7653	1676.8071	0.0418	25	1	15	MLPLSSSMSSSRMSK						Oxidation (M)[1,8,13]	Mascot
	1826.9799	1826.9274	-0.0525	-29	81	96	LLGYQLAAYFDKPTAR							Mascot
	1826.9799	1826.9274	-0.0525	-29	81	96	LLGYQLAAYFDKPTAR	139	100					Mascot
	2269.1975	2268.9675	-0.23	-101	77	96	ADQKLLGYQLAAYFDKPTAR							Mascot
15	vitellogenin 4 [Danio rerio]					gi 57864783	31189.9	9.48	8	276	100	240	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4253	-0.0204	-25	162	168	QYAVFAK					Mascot
960.4785	960.45	-0.0285	-30	182	188	LEVEWER	45	99.09			Mascot
960.4785	960.45	-0.0285	-30	182	188	LEVEWER					Mascot
984.4243	984.3965	-0.0278	-28	154	161	FSWGAECK	56	99.929	Carbamidomethyl (C)[7]		Mascot
984.4243	984.3965	-0.0278	-28	154	161	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
1118.5986	1118.65	0.0514	46	243	251	IPEITMSRR			Oxidation (M)[6]		Mascot
1118.5986	1118.65	0.0514	46	243	251	IPEITMSRR			Oxidation (M)[6]		Mascot
1326.6511	1326.7177	0.0666	50	150	161	VTAKFSWGAECK					Mascot
1660.7119	1660.8141	0.1022	62	66	81	DTSSGSAAASFEQMQK			Oxidation (M)[14]		Mascot
1826.9799	1826.9274	-0.0525	-29	107	122	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9274	-0.0525	-29	107	122	LLGYQLAAYFDKPTAR	139	100			Mascot
2269.1975	2268.9675	-0.23	-101	103	122	ADQKLLGYQLAAYFDKPTAR					Mascot

16	Zgc:136383 protein [Danio rerio]					gi 159155252	123957.1	8.78	14	272	100	240	100	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
808.3406	808.4396	0.099	122	54	59	ADYMHHR			Oxidation (M)[4]		Mascot
826.4457	826.4253	-0.0204	-25	1013	1019	QYAVFAK					Mascot
960.4785	960.45	-0.0285	-30	1033	1039	LEVEWER	45	99.09			Mascot
960.4785	960.45	-0.0285	-30	1033	1039	LEVEWER					Mascot
984.4243	984.3965	-0.0278	-28	1005	1012	FSWGAECK	56	99.929	Carbamidomethyl (C)[7]		Mascot
984.4243	984.3965	-0.0278	-28	1005	1012	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
992.5015	992.4393	-0.0622	-63	392	399	LMNCKLDR					Mascot
1118.5986	1118.65	0.0514	46	1094	1102	IPEITMSRR			Oxidation (M)[6]		Mascot
1118.5986	1118.65	0.0514	46	1094	1102	IPEITMSRR			Oxidation (M)[6]		Mascot
1326.6511	1326.7177	0.0666	50	1001	1012	VTAKFSWGAECK					Mascot

	1381.619	1381.6997	0.0807	58	844	857	NAPVSSSESSSSSR						Mascot
	1382.7889	1382.7399	-0.049	-35	80	92	ISDAPAQIVEVLK						Mascot
	1382.7889	1382.7399	-0.049	-35	80	92	ISDAPAQIVEVLK						Mascot
	1660.7119	1660.8141	0.1022	62	917	932	DTSSGSAAASFEQMVK	Oxidation (M)[14]					Mascot
	1826.9799	1826.9274	-0.0525	-29	958	973	LLGYQLAAYFDKPTAR						Mascot
	1826.9799	1826.9274	-0.0525	-29	958	973	LLGYQLAAYFDKPTAR	139	100				Mascot
	1862.1262	1861.9109	-0.2153	-116	140	156	RWLLDALPAVGTPVIHK						Mascot
	2269.1975	2268.9675	-0.23	-101	954	973	ADQKLLGYQLAAYFDKPT AR						Mascot
	2365.2075	2365.1101	-0.0974	-41	374	396	ITAPDMAYVAGANVAIK LMNCK						Mascot
17	Zgc:136383 protein [Danio rerio]				gi 125857991	148644.2	8.93	15	263	100	240	100	

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
808.3406	808.4396	0.099	122	277	282	ADYMHHR				Oxidation (M)[4]		Mascot	
826.4457	826.4253	-0.0204	-25	1236	1242	QYAVFAK						Mascot	
960.4785	960.45	-0.0285	-30	1256	1262	LEVEWER	45	99.09				Mascot	
960.4785	960.45	-0.0285	-30	1256	1262	LEVEWER						Mascot	
984.4243	984.3965	-0.0278	-28	1228	1235	FSWGAECK	56	99.929		Carbamidomethyl (C)[7]		Mascot	
984.4243	984.3965	-0.0278	-28	1228	1235	FSWGAECK				Carbamidomethyl (C)[7]		Mascot	
992.5015	992.4393	-0.0622	-63	615	622	LMNCKLDR						Mascot	
1118.5986	1118.65	0.0514	46	1317	1325	IPEITMSRR				Oxidation (M)[6]		Mascot	
1118.5986	1118.65	0.0514	46	1317	1325	IPEITMSRR				Oxidation (M)[6]		Mascot	
1326.6511	1326.7177	0.0666	50	1224	1235	VTAKFSWGAECK						Mascot	
1381.619	1381.6997	0.0807	58	1067	1080	NAPVSSSSSSSR						Mascot	
1382.7889	1382.7399	-0.049	-35	303	315	ISDAPAQIVEVLK						Mascot	
1382.7889	1382.7399	-0.049	-35	303	315	ISDAPAQIVEVLK						Mascot	
1660.7119	1660.8141	0.1022	62	1140	1155	DTSSGSAASFEQMQK				Oxidation (M)[14]		Mascot	
1796.8928	1796.8547	-0.0381	-21	72	86	LMDPLLYEYAGTWPK						Mascot	
1826.9799	1826.9274	-0.0525	-29	1181	1196	LLGYQLAAYFDKPTAR						Mascot	
1826.9799	1826.9274	-0.0525	-29	1181	1196	LLGYQLAAYFDKPTAR	139	100				Mascot	
1862.1262	1861.9109	-0.2153	-116	363	379	RWLLDALPAVGTPVIK						Mascot	
2269.1975	2268.9675	-0.23	-101	1177	1196	ADQKLLGYQLAAYFDKPTAR						Mascot	
2365.2075	2365.1101	-0.0974	-41	597	619	ITAPDMAYVAGAANVAIKLMNCK						Mascot	
19	vitellogenin 5 [Danio rerio]			gi 57864785			72820.8	9	9	261	100	240	100

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
826.4457	826.4253	-0.0204	-25	544	550	QYAVFAK					Mascot
960.4785	960.45	-0.0285	-30	564	570	LEVEWER	45	99.09			Mascot
960.4785	960.45	-0.0285	-30	564	570	LEVEWER					Mascot
984.4243	984.3965	-0.0278	-28	536	543	FSWGAECK	56	99.929		Carbamidomethyl (C)[7]	Mascot
984.4243	984.3965	-0.0278	-28	536	543	FSWGAECK				Carbamidomethyl (C)[7]	Mascot
1326.7124	1326.7177	0.0053	4	318	330	AAISRAEGPAVER					Mascot
1376.7069	1376.6591	-0.0478	-35	585	596	HILNAAyntGFR					Mascot
1660.7119	1660.8141	0.1022	62	448	463	DTSSGSAASFEQMQK				Oxidation (M)[14]	Mascot

	1763.901	1763.7534	-0.1476	-84	582	596	VCKHILNAAAYNTGFR				Carbamidomethyl (C)[2]	Mascot	
	1826.9799	1826.9274	-0.0525	-29	489	504	LLGYQLAAYFDKPTAR					Mascot	
	1826.9799	1826.9274	-0.0525	-29	489	504	LLGYQLAAYFDKPTAR	139	100			Mascot	
	2269.1975	2268.9675	-0.23	-101	485	504	ADQKLLGYQLAAYFDKPTAR					Mascot	
20	vitellogenin 5 [Danio rerio]				gi 68448530		148868	8.77	13	258	100	240	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4253	-0.0204	-25	1238	1244	QYAVFAK					Mascot
960.4785	960.45	-0.0285	-30	1258	1264	LEVEWER	45	99.09			Mascot
960.4785	960.45	-0.0285	-30	1258	1264	LEVEWER					Mascot
984.4243	984.3965	-0.0278	-28	1230	1237	FSWGAECK	56	99.929	Carbamidomethyl (C)[7]		Mascot
984.4243	984.3965	-0.0278	-28	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
992.5015	992.4393	-0.0622	-63	615	622	LMNCKLDR					Mascot
1326.7124	1326.7177	0.0053	4	1009	1021	AAISRAEGPAVER					Mascot
1376.7069	1376.6591	-0.0478	-35	1279	1290	HILNAAAYNTGFR					Mascot
1660.7119	1660.8141	0.1022	62	1142	1157	DTSSGSAASFEQMQK			Oxidation (M)[14]		Mascot
1763.901	1763.7534	-0.1476	-84	1276	1290	VCKHILNAAAYNTGFR			Carbamidomethyl (C)[2]		Mascot
1824.8989	1824.9114	0.0125	7	72	86	LMDLLYIEYAGTWPR					Mascot
1826.9799	1826.9274	-0.0525	-29	1183	1198	LLGYQLAAYFDKPTAR					Mascot
1826.9799	1826.9274	-0.0525	-29	1183	1198	LLGYQLAAYFDKPTAR	139	100			Mascot
1862.1262	1861.9109	-0.2153	-116	363	379	RWLLDALPAVGTPVIK					Mascot
2269.1975	2268.9675	-0.23	-101	1179	1198	ADQKLLGYQLAAYFDKPTAR					Mascot
2362.1926	2362.1145	-0.0781	-33	597	619	ITAPDMASVAGAAANVAIKLMNCK			Carbamidomethyl (C)[22], Oxidation (M)[6]		Mascot

21	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]				gi 94733731		149169.2	8.84	13	255	100	240	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4253	-0.0204	-25	1240	1246	QYAVFAK					Mascot
960.4785	960.45	-0.0285	-30	1260	1266	LEVEWER	45	99.09			Mascot
960.4785	960.45	-0.0285	-30	1260	1266	LEVEWER					Mascot
984.4243	984.3965	-0.0278	-28	1232	1239	FSWGAECK	56	99.929	Carbamidomethyl (C)[7]		Mascot
984.4243	984.3965	-0.0278	-28	1232	1239	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
992.5015	992.4393	-0.0622	-63	619	626	LMNCKLDR					Mascot
1326.7124	1326.7177	0.0053	4	1013	1025	AAISRAEGPAVER					Mascot

	1376.7069	1376.6591	-0.0478	-35	1281	1292	HILNAAYNTGFR										Mascot
	1660.7119	1660.8141	0.1022	62	1144	1159	DTSSGSAASFEQMQK						Oxidation (M)[14]				Mascot
	1763.901	1763.7534	-0.1476	-84	1278	1292	VCKHILNAAYNTGFR						Carbamidomethyl (C)[2]				Mascot
	1824.8989	1824.9114	0.0125	7	76	90	LMDPLLYEYAGTWPR										Mascot
	1826.9799	1826.9274	-0.0525	-29	1185	1200	LLGYQLAAYFDKPTAR										Mascot
	1826.9799	1826.9274	-0.0525	-29	1185	1200	LLGYQLAAYFDKPTAR		139	100							Mascot
	1862.1262	1861.9109	-0.2153	-116	367	383	RWLLDALPAVGTPVLIK										Mascot
	2269.1975	2268.9675	-0.23	-101	1181	1200	ADQKLLGYQLAAYFDKPTAR										Mascot
	2362.1926	2362.1145	-0.0781	-33	601	623	ITAPDMASVAGAAANVAIKLMNCK						Carbamidomethyl (C)[22], Oxidation (M)[6]				Mascot
22	PREDICTED: titin [Danio rerio]				gi 189523697		3199053	5.99	69	56	88.022	31	75.933				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
808.4423	808.4396	-0.0027	-3	12846	12852	VPRHDGK					Mascot
809.4151	809.3976	-0.0175	-22	6326	6331	EYKDVR					Mascot
826.4669	826.4253	-0.0416	-50	27841	27847	LTSYKSK					Mascot
842.4478	842.485	0.0372	44	21462	21468	RDLPEGR					Mascot
882.4791	882.5414	0.0623	71	14147	14153	KEEHAIR					Mascot
960.4567	960.45	-0.0067	-7	23100	23108	VQDTPAACR					Mascot
960.4996	960.45	-0.0496	-52	15118	15125	LDEILSDR	22		0		Mascot
976.5032	976.4453	-0.0579	-59	5152	5158	IQWMKDR					Mascot
982.4397	982.4254	-0.0143	-15	6026	6033	TEEISEMK			Oxidation (M)[7]		Mascot
984.4818	984.3965	-0.0853	-87	22537	22544	ITGYMVER			Oxidation (M)[5]		Mascot
984.4818	984.3965	-0.0853	-87	22537	22544	ITGYMVER			Oxidation (M)[5]		Mascot
992.4294	992.4393	0.0099	10	8879	8885	DNMYFFR					Mascot
996.536	996.5658	0.0298	30	2513	2520	LTITETYSR					Mascot
1000.4338	1000.3927	-0.0411	-41	10778	10784	CTEFRCK			Carbamidomethyl (C)[1,6]		Mascot
1016.5047	1016.3883	-0.1164	-115	8910	8918	FDVPDAPQK					Mascot
1118.6489	1118.65	0.0011	1	14623	14632	IIMTELVTAKE					Mascot
1118.6681	1118.65	-0.0181	-16	8844	8852	ILAYVVERR					Mascot
1165.6324	1165.7117	0.0793	68	11960	11968	ITNYTIERR					Mascot
1211.6631	1211.681	0.0179	15	5888	5898	QVTPKSEPTPK					Mascot
1211.7106	1211.681	-0.0296	-24	12384	12394	QNAVNNLVLEK	17		0		Mascot
1287.6328	1287.6315	-0.0013	-1	13852	13861	KPKEADEWER					Mascot
1287.6328	1287.6315	-0.0013	-1	13852	13861	KPKEADEWER					Mascot

1309.6854	1309.613	-0.0724	-55	12580	12591	NTLTTMCLGIVK	Oxidation (M)[6]	Mascot
1325.6519	1325.5896	-0.0623	-47	15554	15565	KAWSNVTTSTCK		Mascot
1325.7358	1325.7178	-0.018	-14	12243	12254	EKMVIHAGGVIR	Oxidation (M)[3]	Mascot
1326.7528	1326.7177	-0.0351	-26	13844	13854	NLAYHVEKKPK		Mascot
1327.6675	1327.6887	0.0212	16	20501	20511	YASITIKDCTR	Carbamidomethyl (C)[9]	Mascot
1327.6892	1327.6887	-0.0005	0	24455	24466	YFLSLENAVAGSK		Mascot
1347.6838	1347.5968	-0.087	-65	8680	8690	YQMISEGKVHR		Mascot
1364.6804	1364.6575	-0.0229	-17	7578	7588	DEARFEIELSR		Mascot
1364.7096	1364.6575	-0.0521	-38	5234	5244	LDNLFFIEEPK		Mascot
1376.6475	1376.6591	0.0116	8	6624	6635	SPRSDDKPEMSK		Mascot
1380.7052	1380.6836	-0.0216	-16	4759	4771	CHAQVAVTEPAR		Mascot
1381.6515	1381.6997	0.0482	35	15467	15478	TTDSDLVCVEK	Carbamidomethyl (C)[9]	Mascot
1382.7678	1382.7399	-0.0279	-20	11942	11953	AEQITLSWLPPK		Mascot
1382.8002	1382.7399	-0.0603	-44	5915	5927	AAVQPSEKKPVTK		Mascot
1387.6675	1387.6556	-0.0119	-9	9768	9778	GLMEKQEYSFR		Mascot
1396.7869	1396.6976	-0.0893	-64	375	387	EQVMPPTIVAALK		Mascot
1404.7402	1404.7152	-0.025	-18	6440	6452	AEESVMPKLSVAK	Oxidation (M)[6]	Mascot
1420.8093	1420.684	-0.1253	-88	2418	2428	FLQRLMIQTVR	Oxidation (M)[6]	Mascot
1425.722	1425.745	0.023	16	9755	9767	VAEDVPTTEHSLK		Mascot
1438.7424	1438.808	0.0656	46	4072	4085	ASSYPLSSAIVSEK		Mascot
1453.8737	1453.7578	-0.1159	-80	4776	4788	LTDVAIPVTQKLR		Mascot
1495.8114	1495.8157	0.0043	3	28743	28756	IEAAPRDISIEPGK		Mascot
1553.7706	1553.6989	-0.0717	-46	9926	9939	WEPPNSDGGRPITK		Mascot
1584.8228	1584.8269	0.0041	3	205	218	TKTFVSTSEISQTR		Mascot
1660.7999	1660.8141	0.0142	9	15555	15569	AWSNVTTSTCKTSFK		Mascot
1676.8385	1676.8071	-0.0314	-19	14594	14609	VAARNMGSSSLPTETR		Mascot
1763.7979	1763.7534	-0.0445	-25	25536	25550	YGTGEYLQSEVVMCK	Carbamidomethyl (C)[14]	Mascot
1796.9429	1796.8547	-0.0882	-49	19869	19885	DSVTLVWEPPLIDGAK		Mascot
1808.9177	1808.9109	-0.0068	-4	16213	16229	VTLTWTAPHEDGGSPIK		Mascot
1809.9456	1809.9116	-0.034	-19	18044	18059	SPILVSECIVAQYPYK		Mascot
1824.949	1824.9114	-0.0376	-21	17245	17262	KDGGFILTATNVGGFAK		Mascot
1826.8412	1826.9274	0.0862	47	12668	12683	DMWTTVTSTATTHTCK	Oxidation (M)[2]	Mascot
1826.9218	1826.9274	0.0056	3	13877	13890	CIENQIQFRVQTK	Carbamidomethyl (C)[1]	Mascot
1842.8293	1842.9148	0.0855	46	7849	7863	FETEISEEDVHGHWK		Mascot
1848.9702	1848.9019	-0.0683	-37	16918	16933	ETTSQSWVELSSLIR		Mascot
1861.9211	1861.9109	-0.0102	-5	6431	6447	IEVAATDQKAEESVMPK	Oxidation (M)[15]	Mascot
1864.9148	1864.8792	-0.0356	-19	20184	20200	RDTTESTWQTVAGSVAR		Mascot

23	titin b [Danio rerio]	1883.8627	1883.7921	-0.0706	-37	12668	12683	DMWTTVTSATTKTHCK	Carbamidomethyl (C)[15], Oxidation (M)[2]	Mascot			
		1957.9601	1957.9636	0.0035	2	18724	18741	ESAQIETSSSYTSLVIDK		Mascot			
		1957.9865	1957.9636	-0.0229	-12	1313	1329	TQEGYYEAITAVELKSR		Mascot			
		2001.0188	2001.0215	0.0027	1	20356	20372	DHIKIQWTKPQYDGGSK		Mascot			
		2060.0447	2060.0837	0.039	19	24696	24714	WSVPLNDGGSPITGYIVE R		Mascot			
		2076.0647	2076.071	0.0063	3	9861	9878	DTKYTVTPLSEGSLYVFR		Mascot			
		2211.0928	2211.0469	-0.0459	-21	26728	26747	FGIDQQTVELDVADVPDP PR		Mascot			
		2269.1394	2268.9675	-0.1719	-76	24196	24216	EVMRGALTIVWEPPTND GGAR		Mascot			
		2283.0269	2283.1182	0.0913	40	8249	8269	MDDAGEYHCKLPASETT GTLK	Oxidation (M)[1]	Mascot			
		2284.0583	2284.1077	0.0494	22	16047	16067	ANTVNVIDCAYTVADLQE GCK	Carbamidomethyl (C)[9]	Mascot			
		2325.1279	2325.0952	-0.0327	-14	5443	5462	DITDQTTQLNKEAVFECEI K	Mascot				
		2362.1165	2362.1145	-0.002	-1	25530	25550	VAAANRYGTGEYLQSEV VMCK	Carbamidomethyl (C)[20], Oxidation (M)[19]	Mascot			
		2365.3391	2365.1101	-0.229	-97	18985	19004	DLQVEIPVFGRPKPKVQ WTK	Mascot				
23	titin b [Danio rerio]					gi 110005908	3198243.8	5.99	68	55	85.264	30	73.35

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
808.4423	808.4396	-0.0027	-3	12845	12851	VPRHDGK					Mascot
809.4151	809.3976	-0.0175	-22	6325	6330	EYKDVR					Mascot
826.4669	826.4253	-0.0416	-50	27840	27846	LTSYKSK					Mascot
842.4478	842.485	0.0372	44	21461	21467	RDLPEGR					Mascot
882.4791	882.5414	0.0623	71	14146	14152	KEEHAIR					Mascot
960.4567	960.45	-0.0067	-7	23099	23107	VQDTPAACR					Mascot
960.4996	960.45	-0.0496	-52	15117	15124	LDEILSDR	22	0			Mascot
976.5032	976.4453	-0.0579	-59	5151	5157	IQWMKDR					Mascot
982.441	982.4254	-0.0156	-16	23254	23261	HCEHEVTK					Mascot
984.4818	984.3965	-0.0853	-87	22536	22543	ITGYMVER			Oxidation (M)[5]		Mascot
984.4818	984.3965	-0.0853	-87	22536	22543	ITGYMVER			Oxidation (M)[5]		Mascot
992.4294	992.4393	0.0099	10	8878	8884	DNMYFFR					Mascot
996.536	996.5658	0.0298	30	2513	2520	LTITETYSR					Mascot
1000.4338	1000.3927	-0.0411	-41	10777	10783	CTEFRCK			Carbamidomethyl (C)[1,6]		Mascot
1016.5047	1016.3883	-0.1164	-115	8909	8917	FDVPDAPQK					Mascot
1118.6489	1118.65	0.0011	1	14622	14631	IIMTELVTAKE					Mascot
1118.6681	1118.65	-0.0181	-16	8843	8851	ILAYVVERR					Mascot

1165.6324	1165.7117	0.0793	68	11959	11967	ITNYTIERR			Mascot
1211.6631	1211.681	0.0179	15	5887	5897	QVTPKSEPTPK			Mascot
1211.7106	1211.681	-0.0296	-24	12383	12393	QNAVNNLVLK	17	0	Mascot
1287.6328	1287.6315	-0.0013	-1	13851	13860	KPKEADEWER			Mascot
1287.6328	1287.6315	-0.0013	-1	13851	13860	KPKEADEWER			Mascot
1309.6305	1309.613	-0.0175	-13	6025	6035	TDEISEMKQTK			Mascot
1325.6254	1325.5896	-0.0358	-27	6025	6035	TDEISEMKQTK		Oxidation (M)[7]	Mascot
1325.7358	1325.7178	-0.018	-14	12242	12253	EKMVIHAGGVIR		Oxidation (M)[3]	Mascot
1326.7528	1326.7177	-0.0351	-26	13843	13853	NLAYHVEKKPK			Mascot
1327.6675	1327.6887	0.0212	16	20500	20510	YASITIKDCTR		Carbamidomethyl (C)[9]	Mascot
1327.6892	1327.6887	-0.0005	0	24454	24465	YFLSLENVAGSK			Mascot
1347.6838	1347.5968	-0.087	-65	8679	8689	YQMISEGKVHR			Mascot
1364.6362	1364.6575	0.0213	16	6623	6634	SPKSDDKPEMSK		Oxidation (M)[10]	Mascot
1364.7096	1364.6575	-0.0521	-38	5233	5243	LDNLFFIEEPK			Mascot
1376.7784	1376.6591	-0.1193	-87	5521	5532	LTVLADQIQFTK			Mascot
1380.7052	1380.6836	-0.0216	-16	4758	4770	CHAQVVAVTEPAR			Mascot
1381.6515	1381.6997	0.0482	35	15466	15477	TTDSDLVCVEK		Carbamidomethyl (C)[9]	Mascot
1382.7678	1382.7399	-0.0279	-20	11941	11952	AEQITLSWLPPK			Mascot
1382.8002	1382.7399	-0.0603	-44	5914	5926	AAVQPSEKKPVTK			Mascot
1387.6675	1387.6556	-0.0119	-9	9767	9777	GLMEKQEYSFR			Mascot
1396.7869	1396.6976	-0.0893	-64	375	387	EQVMPPTIVAALK			Mascot
1404.7402	1404.7152	-0.025	-18	6439	6451	AEESVMPKLSVAK		Oxidation (M)[6]	Mascot
1420.8093	1420.684	-0.1253	-88	2418	2428	FLQRLMIQTVR		Oxidation (M)[6]	Mascot
1425.722	1425.745	0.023	16	9754	9766	VAEDVPTTEHSLK			Mascot
1438.7424	1438.808	0.0656	46	4072	4085	ASSYPLSSAVISEK			Mascot
1453.8737	1453.7578	-0.1159	-80	4775	4787	LTDVAIPVTQKLR			Mascot
1495.8114	1495.8157	0.0043	3	28742	28755	IEAAPRDISIEPGK			Mascot
1553.7706	1553.6989	-0.0717	-46	9925	9938	WEPPNSDGGRPITK			Mascot
1584.8228	1584.8269	0.0041	3	205	218	TKTFVSTSEISQTR			Mascot
1660.7999	1660.8141	0.0142	9	15554	15568	AWSNVTTSTKTSFK			Mascot
1676.8385	1676.8071	-0.0314	-19	14593	14608	VAARNMGSSLPTETR			Mascot
1763.7979	1763.7534	-0.0445	-25	25535	25549	YGTGEYLQSEVVMCK		Carbamidomethyl (C)[14]	Mascot
1796.9429	1796.8547	-0.0882	-49	19868	19884	DSVTLWEPPLIDGGAK			Mascot
1808.9177	1808.9109	-0.0068	-4	16212	16228	VTLTWTAPHEDGGSPIK			Mascot
1809.9456	1809.9116	-0.034	-19	18043	18058	SPILVSECIVAQYPYK			Mascot
1824.949	1824.9114	-0.0376	-21	17244	17261	KDGGFILTATNVGGFAK			Mascot

	1826.8412	1826.9274	0.0862	47	12667	12682	DMWTTVTSATTKTHCK		Oxidation (M)[2]	Mascot			
	1826.9218	1826.9274	0.0056	3	13876	13889	CIENQIQFRVQTK		Carbamidomethyl (C)[1]	Mascot			
	1842.8293	1842.9148	0.0855	46	7848	7862	FETEISEEDVHGHWK			Mascot			
	1848.9602	1848.9019	-0.0583	-32	5081	5096	VSGSQPLSVIWKDNR			Mascot			
	1861.9211	1861.9109	-0.0102	-5	6430	6446	IEVAATDQKAEESVMPK		Oxidation (M)[15]	Mascot			
	1864.9148	1864.8792	-0.0356	-19	20183	20199	RDTTESTWQTVAGSVAR			Mascot			
	1883.8627	1883.7921	-0.0706	-37	12667	12682	DMWTTVTSATTKTHCK		Carbamidomethyl (C)[15], Oxidation (M)[2]	Mascot			
	1957.9601	1957.9636	0.0035	2	18723	18740	ESAQIETSSSYTSLVIDK			Mascot			
	1957.9865	1957.9636	-0.0229	-12	1313	1329	TQEGYYEAITAVELKSR			Mascot			
	2001.0188	2001.0215	0.0027	1	20355	20371	DHIKIQWTKPKYDGGSK			Mascot			
	2060.0447	2060.0837	0.039	19	24695	24713	WSVPLNDGGSPITGYIVE R			Mascot			
	2076.0647	2076.071	0.0063	3	9860	9877	DTKYTVTPLSEGSLYVFR			Mascot			
	2211.0928	2211.0469	-0.0459	-21	26727	26746	FGIDQQTVELDVADVPDP PR			Mascot			
	2269.1394	2268.9675	-0.1719	-76	24195	24215	EVMRGALTIVWEPPTND GGAR			Mascot			
	2283.0269	2283.1182	0.0913	40	8248	8268	MDDAGEYHCKLPASETT GTLK		Oxidation (M)[1]	Mascot			
	2284.0583	2284.1077	0.0494	22	16046	16066	ANTVNVIDCAYTVADLQE GCK		Carbamidomethyl (C)[9]	Mascot			
	2325.1279	2325.0952	-0.0327	-14	5442	5461	DITDQTTQLNKEAVFECEI K			Mascot			
	2362.1165	2362.1145	-0.002	-1	25529	25549	VAAANRYGTGEYLQSEV VMCK		Carbamidomethyl (C)[20], Oxidation (M)[19]	Mascot			
	2365.3391	2365.1101	-0.229	-97	18984	19003	DLQVEIPVFGRPKPKVQ WTK			Mascot			
24	Hook homolog 1 [Danio rerio]				gi 190339684		83123.4	5.24	12	52	74.392	34	87.811

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
809.3458	809.3976	0.0518	64	587	592	KDEDMR				Oxidation (M)[5]		Mascot	
842.5458	842.485	-0.0608	-72	636	642	KIIALER						Mascot	
960.4996	960.45	-0.0496	-52	323	330	LEDLSDLR	34	87.811				Mascot	
960.4996	960.45	-0.0496	-52	323	330	LEDLSDLR						Mascot	
976.488	976.4453	-0.0427	-44	643	650	ECEQAKLR						Mascot	
992.5081	992.4393	-0.0688	-69	332	339	QMKALEEK				Oxidation (M)[2]		Mascot	
1000.4767	1000.3927	-0.084	-84	266	273	IHC EELEK						Mascot	
1165.5956	1165.7117	0.1161	100	577	586	MDELMAALKK				Oxidation (M)[1]		Mascot	
1364.6614	1364.6575	-0.0039	-3	177	188	ALEDLTEVMAEK				Oxidation (M)[9]		Mascot	
1364.6614	1364.6575	-0.0039	-3	177	188	ALEDLTEVMAEK				Oxidation (M)[9]		Mascot	
1825.0006	1824.9114	-0.0892	-49	656	670	LIVTAWYNKSLNFQK						Mascot	

	1842.9556	1842.9148	-0.0408	-22	510	524	ERISELQQQVEDLQK										Mascot
	2000.9415	2001.0215	0.08	40	542	558	LDAHMVQLNEAQDEIMK						Oxidation (M)[5]				Mascot
	2365.2659	2365.1101	-0.1558	-66	6	26	TVLCESLIWLQTFKTAAPCK										Mascot
25	novel protein similar to vertebrate dynein, cytoplasmic, heavy polypeptide 1 (DNCH1) [Danio rerio]						gi 123226055	489371.7	5.72	32	52	74.392					

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
808.4199	808.4396	0.0197	24	2805	2811	SNYVTPK						Mascot
809.4086	809.3976	-0.011	-14	3626	3631	CFRLDR						Mascot
882.5117	882.5414	0.0297	34	1864	1870	KMTVLYK						Mascot
960.4866	960.45	-0.0366	-38	1409	1416	RCCLVPNR						Mascot
960.4996	960.45	-0.0496	-52	3382	3389	DLEDLLR	20		0			Mascot
992.5258	992.4393	-0.0865	-87	1719	1727	TESTKDLAK						Mascot
996.5512	996.5658	0.0146	15	2192	2199	QKFDAFIK						Mascot
1016.5258	1016.3883	-0.1375	-135	948	956	SPNTLEDLK						Mascot
1211.6201	1211.681	0.0609	50	4219	4228	TPVYTSMRR						Mascot
1211.6201	1211.681	0.0609	50	4219	4228	TPVYTSMRR						Mascot
1287.6653	1287.6315	-0.0338	-26	2420	2429	LTFCTLELYK				Carbamidomethyl (C)[4]		Mascot
1287.6653	1287.6315	-0.0338	-26	2420	2429	LTFCTLELYK				Carbamidomethyl (C)[4]		Mascot
1309.7726	1309.613	-0.1596	-122	2430	2441	TIKDLPTPSK						Mascot
1326.6246	1326.7177	0.0931	70	93	103	ADSFIMQELEK				Oxidation (M)[6]		Mascot
1327.7328	1327.6887	-0.0441	-33	3293	3305	GAEGRQVVVLGDK						Mascot
1327.7328	1327.6887	-0.0441	-33	3293	3305	GAEGRQVVVLGDK						Mascot
1376.797	1376.6591	-0.1379	-100	2353	2365	LIKDLGFIAAMGK						Mascot
1381.7369	1381.6997	-0.0372	-27	1595	1605	MHQINDLVKR						Mascot
1382.8253	1382.7399	-0.0854	-62	1184	1195	ESLPLLLDLKNK	1		0			Mascot
1382.8253	1382.7399	-0.0854	-62	1184	1195	ESLPLLLDLKNK						Mascot
1387.7627	1387.6556	-0.1071	-77	888	898	QPMVKHEHIR						Mascot
1404.7205	1404.7152	-0.0053	-4	4087	4097	SLGNWMIHFKR				Oxidation (M)[6]		Mascot
1420.7365	1420.684	-0.0525	-37	2356	2370	DLGFIAAMGKAGGGR						Mascot
1453.7389	1453.7578	0.0189	13	691	704	MESLIMGTSTGKAK						Mascot
1495.7284	1495.8157	0.0873	58	2309	2320	LLVFMDDLNMPR				Oxidation (M)[5,10]		Mascot
1553.7152	1553.6989	-0.0163	-10	1253	1265	GVKEVEETWDSMK				Oxidation (M)[12]		Mascot
1796.8683	1796.8547	-0.0136	-8	3795	3809	ISHDKLMNCAHPAFR				Carbamidomethyl (C)[9]		Mascot
1826.9535	1826.9274	-0.0261	-14	1027	1041	KTFAEITLNQIEEYK						Mascot

	1826.9535	1826.9274	-0.0261	-14	1027	1041	KTFAEITLNQIEEYK										Mascot
	1861.9767	1861.9109	-0.0658	-35	3428	3444	TAVDIDTLRDGYRPAAK										Mascot
	2001.011	2001.0215	0.0105	5	4228	4245	RNAMGVGLVFEADLYTT K					Oxidation (M)[4]					Mascot
	2060.0151	2060.0837	0.0686	33	478	496	KSLLMVNSYGTVCADS TR					Oxidation (M)[6]					Mascot
	2211.1677	2211.0469	-0.1208	-55	3721	3737	GQWLMLQNCHELLVKWL R					Carbamidomethyl (C)[9], Oxidation (M)[5]					Mascot
	2225.0801	2225.0564	-0.0237	-11	479	498	SLLVMVNSYGTVCADST RHR					Oxidation (M)[5]					Mascot
	2268.0957	2267.978	-0.1177	-52	3010	3030	NLNTSLEEMQGISKAGS GMLR					Oxidation (M)[9,19]					Mascot
	2269.146	2268.9675	-0.1785	-79	3199	3219	WGSEGLPPDELSVQNGI LTTR										Mascot
	2365.1626	2365.1101	-0.0525	-22	2870	2891	TSACEILLEEICANTAVAE EKK										Mascot
26	protein Hook homolog 1 [Danio rerio]				gi 113676708		83063.4	5.24	12	52	70.598	34	87.811				

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	809.3458	809.3976	0.0518	64	587	592	KDEDMR				Oxidation (M)[5]		Mascot
	842.5458	842.485	-0.0608	-72	636	642	KIIALER						Mascot
	960.4996	960.45	-0.0496	-52	323	330	LEDLSDLR	34	87.811				Mascot
	960.4996	960.45	-0.0496	-52	323	330	LEDLSDLR						Mascot
	976.488	976.4453	-0.0427	-44	643	650	ECEQAKLR						Mascot
	992.5081	992.4393	-0.0688	-69	332	339	QMKALEEK				Oxidation (M)[2]		Mascot
	1000.4767	1000.3927	-0.084	-84	266	273	IHC EELEK						Mascot
	1165.5956	1165.7117	0.1161	100	577	586	MDELMAALKK				Oxidation (M)[1]		Mascot
	1364.6614	1364.6575	-0.0039	-3	177	188	ALEDLTEVMAEK				Oxidation (M)[9]		Mascot
	1364.6614	1364.6575	-0.0039	-3	177	188	ALEDLTEVMAEK				Oxidation (M)[9]		Mascot
	1825.0006	1824.9114	-0.0892	-49	656	670	LIVTAWYNKSLNFQK						Mascot
	1842.9556	1842.9148	-0.0408	-22	510	524	ERISELQQQVEDLQK						Mascot
	2000.9415	2001.0215	0.08	40	542	558	LDAHMVQLNEAQDEIMK				Oxidation (M)[5]		Mascot
	2365.2659	2365.1101	-0.1558	-66	6	26	TVLCESLIWLQTFKTAAP CK						Mascot

27 PREDICTED: serine/threonine-protein kinase pim-3-like [Danio rerio] gi|326675215 23705.1 8.34 4 51 61.241 35 90.839

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1211.6531	1211.681	0.0279	23	110	119	SPYLGVTRYR						Mascot
	1211.6531	1211.681	0.0279	23	110	119	SPYLGVTRYR						Mascot

1287.7015	1287.6315	-0.07	-54	44	55	KNNGLLSESVAR	35	90.839	Mascot
1287.7015	1287.6315	-0.07	-54	44	55	KNNGLLSESVAR			Mascot
1347.7015	1347.5968	-0.1047	-78	120	130	LQEGEPYRSIR			Mascot
1364.7419	1364.6575	-0.0844	-62	184	195	TGPVLEEIIIEHK			Mascot
1364.7419	1364.6575	-0.0844	-62	184	195	TGPVLEEIIIEHK			Mascot

28 PREDICTED: dynein heavy chain 10, axonemal [Danio gii|292613807 523441.5 5.56 34 48 27.828
 rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
808.4199	808.4396	0.0197	24	3102	3108	SNYVTPK					Mascot
809.4086	809.3976	-0.011	-14	3923	3928	CFRLDR					Mascot
882.5117	882.5414	0.0297	34	2074	2080	KMTVLYK					Mascot
960.4866	960.45	-0.0366	-38	1619	1626	RCCLVPNR					Mascot
960.4996	960.45	-0.0496	-52	3679	3686	DLEDLLR	20	0			Mascot
992.5258	992.4393	-0.0865	-87	1929	1937	TESTKDLAK					Mascot
996.5512	996.5658	0.0146	15	2449	2456	QKFDAFIK					Mascot
1016.5258	1016.3883	-0.1375	-135	1187	1195	SPNTLEDLK					Mascot
1211.58	1211.681	0.101	83	2176	2185	YIMMPSQVDK					Mascot
1211.6201	1211.681	0.0609	50	4516	4525	TPVYTTSMRR					Mascot
1287.6653	1287.6315	-0.0338	-26	2717	2726	LTFCTLELYK			Carbamidomethyl (C)[4]		Mascot
1287.6653	1287.6315	-0.0338	-26	2717	2726	LTFCTLELYK			Carbamidomethyl (C)[4]		Mascot
1309.7726	1309.613	-0.1596	-122	2727	2738	TIKDLPTPSK					Mascot
1326.6246	1326.7177	0.0931	70	399	409	ADSFIMQELEK			Oxidation (M)[6]		Mascot
1327.7328	1327.6887	-0.0441	-33	3590	3602	GAEGRQVVVLGDK					Mascot
1327.7328	1327.6887	-0.0441	-33	3590	3602	GAEGRQVVVLGDK					Mascot
1376.797	1376.6591	-0.1379	-100	2650	2662	LIKDLGFIAAMGK					Mascot
1381.7369	1381.6997	-0.0372	-27	1805	1815	MHQQINDLVKR					Mascot
1382.8253	1382.7399	-0.0854	-62	1419	1430	ESLPLLLDLKNK	1	0			Mascot
1382.8253	1382.7399	-0.0854	-62	1419	1430	ESLPLLLDLKNK					Mascot
1387.7627	1387.6556	-0.1071	-77	1127	1137	QPMVKHEHIR					Mascot
1404.7205	1404.7152	-0.0053	-4	4384	4394	SLGNWMIHFKR			Oxidation (M)[6]		Mascot
1420.7365	1420.684	-0.0525	-37	2653	2667	DLGFIAAMGKAGGGR					Mascot
1453.7389	1453.7578	0.0189	13	930	943	MESLIMGTSTGKAK					Mascot
1495.7284	1495.8157	0.0873	58	2606	2617	LLVFMDDLNMPR			Oxidation (M)[5,10]		Mascot
1553.7152	1553.6989	-0.0163	-10	1488	1500	GVKEVEETWDSMK			Oxidation (M)[12]		Mascot

	1584.7938	1584.8269	0.0331	21	728	742	SLLMVNSYGTGSEK					Mascot
	1796.8683	1796.8547	-0.0136	-8	4092	4106	ISHDKLMNCAHPAFR	Carbamidomethyl (C)[9]				Mascot
	1826.9535	1826.9274	-0.0261	-14	1266	1280	KTFAEITLNQIEEYK					Mascot
	1826.9535	1826.9274	-0.0261	-14	1266	1280	KTFAEITLNQIEEYK					Mascot
	1861.9767	1861.9109	-0.0658	-35	3725	3741	TAVDIDTLRDGYRPAAK					Mascot
	2001.011	2001.0215	0.0105	5	4525	4542	RNAMGVGLVFADLYTT K	Oxidation (M)[4]				Mascot
	2211.1677	2211.0469	-0.1208	-55	4018	4034	GQWLMLQNCHLLVKWL R	Carbamidomethyl (C)[9], Oxidation (M)[5]				Mascot
	2225.1667	2225.0564	-0.1103	-50	1196	1214	FVLVTITDIRDMSLSVEM R					Mascot
	2268.0957	2267.978	-0.1177	-52	3307	3327	NLNTSLEEMQGISKAGS GMLR	Oxidation (M)[9,19]				Mascot
	2269.146	2268.9675	-0.1785	-79	3496	3516	WGSEGLPPDELSVQNGI LTTR					Mascot
	2283.2058	2283.1182	-0.0876	-38	44	62	HFLNVVTEEEVALTLFFF K					Mascot
	2365.1626	2365.1101	-0.0525	-22	3167	3188	TSACEILLEEICANTAVAE EKK					Mascot
29	titin-like [Danio rerio]				gi 169154862	2457022	5.92	58	46	0	31	78.755

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
808.4423	808.4396	-0.0027	-3	6105	6111	VPRHDGK	22	0			Mascot
809.4515	809.3976	-0.0539	-67	2034	2039	TEYRLK			Mascot		
826.4669	826.4253	-0.0416	-50	21194	21200	LTSYKSK			Mascot		
842.4478	842.485	0.0372	44	14721	14727	RDLPEGR			Mascot		
882.4791	882.5414	0.0623	71	7406	7412	KEEHAIR			Mascot		
960.4567	960.45	-0.0067	-7	16359	16367	VQDTPAACR			Mascot		
960.4996	960.45	-0.0496	-52	8377	8384	LDEILSDR			Mascot		
976.5648	976.4453	-0.1195	-122	18658	18665	WMKVATLK			Mascot		
982.441	982.4254	-0.0156	-16	16514	16521	HCEHEVTK			Mascot		
984.4818	984.3965	-0.0853	-87	15796	15803	ITGYMVER			Oxidation (M)[5]	Mascot	
984.4818	984.3965	-0.0853	-87	15796	15803	ITGYMVER			Oxidation (M)[5]	Mascot	
992.4294	992.4393	0.0099	10	2138	2144	DNMYFFR			Mascot		
996.5359	996.5658	0.0299	30	3740	3747	LSYEQTKK			Mascot		
1000.4338	1000.3927	-0.0411	-41	4037	4043	CTEFRCK			Carbamidomethyl (C)[1,6]	Mascot	
1016.5047	1016.3883	-0.1164	-115	2169	2177	FDVPDAPQK			Mascot		
1118.6489	1118.65	0.0011	1	7882	7891	IIMTELVTA	Mascot				
1118.6681	1118.65	-0.0181	-16	2103	2111	ILAYVVERR	Mascot				
1165.6324	1165.7117	0.0793	68	5219	5227	ITNYTIERR	Mascot				

1211.7106	1211.681	-0.0296	-24	5643	5653	QNAVVNNLVLK			Mascot
1211.7106	1211.681	-0.0296	-24	5643	5653	QNAVVNNLVLK	17	0	Mascot
1287.6328	1287.6315	-0.0013	-1	7111	7120	KPKEADEWER			Mascot
1287.6328	1287.6315	-0.0013	-1	7111	7120	KPKEADEWER			Mascot
1309.6854	1309.613	-0.0724	-55	5839	5850	NLTMTMCLGIVK		Oxidation (M)[6]	Mascot
1325.6519	1325.5896	-0.0623	-47	8813	8824	KAWSNVTTSCTK			Mascot
1325.7358	1325.7178	-0.018	-14	5502	5513	EKMVIHAGGVIR		Oxidation (M)[3]	Mascot
1326.7528	1326.7177	-0.0351	-26	7103	7113	NLAYHVEKKPK			Mascot
1327.6675	1327.6887	0.0212	16	13760	13770	YASITIKDCTR		Carbamidomethyl (C)[9]	Mascot
1327.6892	1327.6887	-0.0005	0	17714	17725	YFLSLENVAGSK			Mascot
1347.6838	1347.5968	-0.087	-65	1939	1949	YQMISEGKVHR			Mascot
1364.6804	1364.6575	-0.0229	-17	837	847	DEARFEIELSR			Mascot
1364.6804	1364.6575	-0.0229	-17	837	847	DEARFEIELSR			Mascot
1381.6515	1381.6997	0.0482	35	8726	8737	TTDRTLVCVEK		Carbamidomethyl (C)[9]	Mascot
1382.7678	1382.7399	-0.0279	-20	5201	5212	AEQITLSWLPPK			Mascot
1382.7678	1382.7399	-0.0279	-20	5201	5212	AEQITLSWLPPK			Mascot
1387.6675	1387.6556	-0.0119	-9	3027	3037	GLMEKQEYSFR			Mascot
1425.722	1425.745	0.023	16	3014	3026	VAEDVPTTEHSLK			Mascot
1495.8114	1495.8157	0.0043	3	22096	22109	IEAAPRDISIEPGK			Mascot
1553.7706	1553.6989	-0.0717	-46	3185	3198	WEPPNSDGGRPITK			Mascot
1584.8228	1584.8269	0.0041	3	7045	7060	VSAENKIGAGPPTESK			Mascot
1660.7999	1660.8141	0.0142	9	8814	8828	AWSNVTTSCTKTSFK			Mascot
1676.8385	1676.8071	-0.0314	-19	7853	7868	VAARNSMGSSLPTETR			Mascot
1763.7979	1763.7534	-0.0445	-25	18889	18903	YGTGEYLQSEVVMCK		Carbamidomethyl (C)[14]	Mascot
1796.9429	1796.8547	-0.0882	-49	13128	13144	DSVTLVWEPPLIDGGAK			Mascot
1808.9177	1808.9109	-0.0068	-4	9472	9488	VTLTWTAPHEDGGSPIK			Mascot
1809.9456	1809.9116	-0.034	-19	11303	11318	SPILVSECIVAQYPYK			Mascot
1824.949	1824.9114	-0.0376	-21	10504	10521	KDGGFILTATNVGGFAK			Mascot
1826.8412	1826.9274	0.0862	47	5927	5942	DMWTTVTSATTKTHCK		Oxidation (M)[2]	Mascot
1826.9218	1826.9274	0.0056	3	7136	7149	CIENQIQFRVQTK		Carbamidomethyl (C)[1]	Mascot
1842.8293	1842.9148	0.0855	46	1108	1122	FETEISEEDVHGHWK			Mascot
1848.9702	1848.9019	-0.0683	-37	10177	10192	ETTSQSWVELSLIIR			Mascot
1861.9337	1861.9109	-0.0228	-12	1950	1964	LQVCEIRPRDQGEYR			Mascot
1864.9148	1864.8792	-0.0356	-19	13443	13459	RDTTESTWQTVAGSVAR			Mascot
1883.8627	1883.7921	-0.0706	-37	5927	5942	DMWTTVTSATTKTHCK		Carbamidomethyl (C)[15], Oxidation (M)[2]	Mascot
1957.9601	1957.9636	0.0035	2	11983	12000	ESAQIETSSSYTSLVIDK			Mascot
1957.9601	1957.9636	0.0035	2	11983	12000	ESAQIETSSSYTSLVIDK			Mascot

2001.0188	2001.0215	0.0027	1	13615	13631	DHIKIQWTKPQYDGGSK	Mascot
2060.0447	2060.0837	0.039	19	17955	17973	WSVPLNDGGSPITGYIVE R	Mascot
2076.0647	2076.071	0.0063	3	3120	3137	DTKYTVTPLSEGSLYVFR	Mascot
2211.0928	2211.0469	-0.0459	-21	20081	20100	FGIDQQTVELDVADVPDP PR	Mascot
2269.1394	2268.9675	-0.1719	-76	17455	17475	EVMRGALTIVWEPPTND GGAR	Mascot
2283.0269	2283.1182	0.0913	40	1508	1528	MDDAGEYHCKLPASETT GTLK	Oxidation (M)[1] Mascot
2284.0583	2284.1077	0.0494	22	9306	9326	ANTVNVVIDCAYTVADLQE GCK	Carbamidomethyl (C)[9] Mascot
2325.1868	2325.0952	-0.0916	-39	10408	10430	VIARNSAGAVSNPSEPSD PIICK	Mascot
2362.1165	2362.1145	-0.002	-1	18883	18903	VAAANRYGTGEYLQSEV VMCK	Carbamidomethyl (C)[20], Oxidation (M)[19] Mascot
2365.3391	2365.1101	-0.229	-97	12244	12263	DLQVEIPVFGRPKPKVQ WTK	Mascot

30 novel protein similar to human titin (TTN) [Danio rerio] gi|94732358 2437518.2 5.95 58 46 0 31 76.476

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
808.4423	808.4396	-0.0027	-3	6027	6033	VPRHDGK					Mascot
809.4515	809.3976	-0.0539	-67	1956	1961	TEYRLK					Mascot
826.4669	826.4253	-0.0416	-50	21022	21028	LTSYKSK					Mascot
842.4478	842.485	0.0372	44	14643	14649	RDLPEGR					Mascot
882.4791	882.5414	0.0623	71	7328	7334	KEEHAIR					Mascot
960.4567	960.45	-0.0067	-7	16281	16289	VQDTPAACR					Mascot
960.4996	960.45	-0.0496	-52	8299	8306	LDEILSDR	22	0			Mascot
976.5648	976.4453	-0.1195	-122	18486	18493	WMKVATLK					Mascot
982.441	982.4254	-0.0156	-16	16436	16443	HCEHEVTK					Mascot
984.4818	984.3965	-0.0853	-87	15718	15725	ITGYMVER			Oxidation (M)[5]		Mascot
984.4818	984.3965	-0.0853	-87	15718	15725	ITGYMVER			Oxidation (M)[5]		Mascot
992.4294	992.4393	0.0099	10	2060	2066	DNMYFFR					Mascot
996.5359	996.5658	0.0299	30	3662	3669	LSYEQTKK					Mascot
1000.4338	1000.3927	-0.0411	-41	3959	3965	CTEFRCK			Carbamidomethyl (C)[1,6]		Mascot
1016.5047	1016.3883	-0.1164	-115	2091	2099	FDVPDAPQK					Mascot
1118.6489	1118.65	0.0011	1	7804	7813	IIMTELVTA					Mascot
1118.6681	1118.65	-0.0181	-16	2025	2033	ILAYVVERR					Mascot
1165.6324	1165.7117	0.0793	68	5141	5149	ITNYTIERR					Mascot
1211.7106	1211.681	-0.0296	-24	5565	5575	QNAVVNVLVLK					Mascot
1211.7106	1211.681	-0.0296	-24	5565	5575	QNAVVNVLVLK	17	0			Mascot

1287.6328	1287.6315	-0.0013	-1	7033	7042	KPKEADEWER		Mascot
1287.6328	1287.6315	-0.0013	-1	7033	7042	KPKEADEWER		Mascot
1309.6854	1309.613	-0.0724	-55	5761	5772	NTLTTMCLGIVK	Oxidation (M)[6]	Mascot
1325.6519	1325.5896	-0.0623	-47	8735	8746	KAWSNVTTSTCTK		Mascot
1325.7358	1325.7178	-0.018	-14	5424	5435	EKMVIHAGGVIR	Oxidation (M)[3]	Mascot
1326.7528	1326.7177	-0.0351	-26	7025	7035	NLAYHVEKKPK		Mascot
1327.6675	1327.6887	0.0212	16	13682	13692	YASITIKDCTR	Carbamidomethyl (C)[9]	Mascot
1327.6892	1327.6887	-0.0005	0	17636	17647	YFLSLENVAGSK		Mascot
1347.6838	1347.5968	-0.087	-65	1861	1871	YQMISEGKVHR		Mascot
1364.6804	1364.6575	-0.0229	-17	759	769	DEARFEIELSR		Mascot
1364.6804	1364.6575	-0.0229	-17	759	769	DEARFEIELSR		Mascot
1381.6515	1381.6997	0.0482	35	8648	8659	TTDRTLVCVEK	Carbamidomethyl (C)[9]	Mascot
1382.7678	1382.7399	-0.0279	-20	5123	5134	AEQITLSWLPPK		Mascot
1382.7678	1382.7399	-0.0279	-20	5123	5134	AEQITLSWLPPK		Mascot
1387.6675	1387.6556	-0.0119	-9	2949	2959	GLMEKQEYSFR		Mascot
1425.722	1425.745	0.023	16	2936	2948	VAEDVPTTEHSLK		Mascot
1495.8114	1495.8157	0.0043	3	21924	21937	IEAAPRDISIEPGK		Mascot
1553.7706	1553.6989	-0.0717	-46	3107	3120	WEPPNSDGGRPITK		Mascot
1584.8228	1584.8269	0.0041	3	6967	6982	VSAENKIGAGPPTESK		Mascot
1660.7999	1660.8141	0.0142	9	8736	8750	AWSNVTTSTCTKTSFK		Mascot
1676.8385	1676.8071	-0.0314	-19	7775	7790	VAARNSMGSSLPTETR		Mascot
1763.7979	1763.7534	-0.0445	-25	18717	18731	YGTGEYLQSEVVMCK	Carbamidomethyl (C)[14]	Mascot
1796.9429	1796.8547	-0.0882	-49	13050	13066	DSVTLVWEPLIDGGA		Mascot
1808.9177	1808.9109	-0.0068	-4	9394	9410	VTLTWTAPHEDGGSPIK		Mascot
1809.9456	1809.9116	-0.034	-19	11225	11240	SPILVSECIVAQYPYK		Mascot
1824.949	1824.9114	-0.0376	-21	10426	10443	KDGGEFILTATNVGGFAK		Mascot
1826.8412	1826.9274	0.0862	47	5849	5864	DMWTTVTSTATTKTHCK	Oxidation (M)[2]	Mascot
1826.9218	1826.9274	0.0056	3	7058	7071	CIENQIYQFRVQTK	Carbamidomethyl (C)[1]	Mascot
1842.8293	1842.9148	0.0855	46	1030	1044	FETEISEEDVHGHWK		Mascot
1848.9702	1848.9019	-0.0683	-37	10099	10114	ETTSQSWVELSLIIR		Mascot
1861.9337	1861.9109	-0.0228	-12	1872	1886	LQVCEIRPRDQGEYR		Mascot
1864.9148	1864.8792	-0.0356	-19	13365	13381	RDTTESTWQTVAGSVAR		Mascot
1883.8627	1883.7921	-0.0706	-37	5849	5864	DMWTTVTSTATTKTHCK	Carbamidomethyl (C)[15], Oxidation (M)[2]	Mascot
1957.9601	1957.9636	0.0035	2	11905	11922	ESAQIETSSSYTSLVIDK		Mascot
1957.9601	1957.9636	0.0035	2	11905	11922	ESAQIETSSSYTSLVIDK		Mascot
2001.0188	2001.0215	0.0027	1	13537	13553	DHIKIQWTKPQYDGGSK		Mascot

2060.0447	2060.0837	0.039	19	17877	17895	WSVPLNDGGSPITGYIVE R						Mascot
2076.0647	2076.071	0.0063	3	3042	3059	DTKYTVTPLSEGSLYVFR						Mascot
2211.0928	2211.0469	-0.0459	-21	19909	19928	FGIDQQTVELDVADVPDP PR						Mascot
2269.1394	2268.9675	-0.1719	-76	17377	17397	EVMRGALTIVWEPPTND GGAR						Mascot
2283.0269	2283.1182	0.0913	40	1430	1450	MDDAGEYHCKLPASETT GTLK				Oxidation (M)[1]		Mascot
2284.0583	2284.1077	0.0494	22	9228	9248	ANTVNVIDCAYTVADLQE GCK				Carbamidomethyl (C)[9]		Mascot
2325.1868	2325.0952	-0.0916	-39	10330	10352	VLARNSAGAVSNPSEPS DPIICK						Mascot
2362.1165	2362.1145	-0.002	-1	18711	18731	VAAANRYGTGEYLVQSEV VMCK				Carbamidomethyl (C)[20], Oxidation (M)[19]		Mascot
2365.3391	2365.1101	-0.229	-97	12166	12185	DLQVEIPVFGRPKPKVQ WTK						Mascot

31 protein kinase C and casein kinase substrate in neurons gij46309505 56018.8 4.83 9 44 0
2 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.5261	960.45	-0.0761	-79	64	70	WRQTIEK	17	0			Mascot
960.5261	960.45	-0.0761	-79	64	70	WRQTIEK					Mascot
1006.4952	1006.3708	-0.1244	-124	71	79	GPQYGTVER					Mascot
1309.5916	1309.613	0.0214	16	80	90	AWCALMTEAEK			Carbamidomethyl (C)[3]		Mascot
1325.5864	1325.5896	0.0032	2	80	90	AWCALMTEAEK			Carbamidomethyl (C)[3], Oxidation (M)[6]		Mascot
1325.5864	1325.7178	0.1314	99	80	90	AWCALMTEAEK			Carbamidomethyl (C)[3], Oxidation (M)[6]		Mascot
1376.7321	1376.6591	-0.073	-53	116	127	DAYHKQIGGFK					Mascot
1380.5736	1380.6836	0.11	80	460	470	LSEEDQGWCK			Carbamidomethyl (C)[10]		Mascot
1381.7031	1381.6997	-0.0034	-2	100	111	AALMAEDFEKIK			Oxidation (M)[4]		Mascot
1382.691	1382.7399	0.0489	35	379	391	HEEAVAQTAAVEK					Mascot
1382.691	1382.7399	0.0489	35	379	391	HEEAVAQTAAVEK					Mascot
1660.7772	1660.8141	0.0369	22	171	185	ENSSKLDNSNPEAQK					Mascot
1676.7665	1676.8071	0.0406	24	35	48	LCNDLMSCLHERAR			Oxidation (M)[6]		Mascot

32 PREDICTED: hypothetical protein LOC797378 [Danio rerio] gij292622805 72531.1 6.46 4 42 0 35 90.839

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4501	882.5414	0.0913	103	1	7	MSTRPFK			Oxidation (M)[1]		Mascot
1287.7015	1287.6315	-0.07	-54	566	577	KNNGLLSESVAR	35	90.839			Mascot

1287.7015	1287.6315	-0.07	-54	566	577	KNNGLLSESVAR							Mascot
1381.5994	1381.6997	0.1003	73	504	514	SFGYWYTMNGR							Mascot
2224.9221	2225.0564	0.1343	60	51	68	LSEMENTRDTEMTSYEE K					Oxidation (M)[4,12]		Mascot

33 PREDICTED: hypothetical protein LOC796277 [Danio rerio] gi|292622807 79431.9 5.54 4 42 0 35 90.839

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4501	882.5414	0.0913	103	1	7	MSTRPFK			Oxidation (M)[1]		Mascot
1287.7015	1287.6315	-0.07	-54	638	649	KNNGLLSESVAR	35	90.839			Mascot
1287.7015	1287.6315	-0.07	-54	638	649	KNNGLLSESVAR					Mascot
1381.5994	1381.6997	0.1003	73	576	586	SFGYWYTMNGR					Mascot
2224.9221	2225.0564	0.1343	60	51	68	LSEMENTRDTEMTSYEE K			Oxidation (M)[4,12]		Mascot

34 PREDICTED: dual oxidase 1, partial [Danio rerio] gi|326680379 162265.6 7.47 17 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
809.4127	809.3976	-0.0151	-19	1369	1374	FKFHCK					Mascot
996.5182	996.5658	0.0476	48	1420	1427	FDLRTTML					Mascot
1006.4635	1006.3708	-0.0927	-92	327	333	NRTCHYR			Carbamidomethyl (C)[4]		Mascot
1211.6935	1211.681	-0.0125	-10	1375	1383	KVYFLWVTR					Mascot
1211.6935	1211.681	-0.0125	-10	1375	1383	KVYFLWVTR					Mascot
1309.6536	1309.613	-0.0406	-31	414	424	DFGLPSYNQIR					Mascot
1326.6226	1326.7177	0.0951	72	493	502	NADRFWFENK					Mascot
1376.6951	1376.6591	-0.036	-26	775	785	TREALQCELTR			Carbamidomethyl (C)[7]		Mascot
1380.6907	1380.6836	-0.0071	-5	4	15	GAYSAITWEVQR					Mascot
1381.645	1381.6997	0.0547	40	731	742	SEKEMLCDAVTR					Mascot
1382.7216	1382.7399	0.0183	13	533	543	GDIQRSVFFWK					Mascot
1382.7216	1382.7399	0.0183	13	533	543	GDIQRSVFFWK					Mascot
1404.6729	1404.7152	0.0423	30	391	401	DYMYGPLRFSR					Mascot
1420.6677	1420.684	0.0163	11	391	401	DYMYGPLRFSR			Oxidation (M)[3]		Mascot
1438.6665	1438.808	0.1415	98	731	742	SEKEMLCDAVTR			Carbamidomethyl (C)[7]		Mascot
1453.7838	1453.7578	-0.026	-18	748	759	IVETFFKHAFSK					Mascot
1584.8025	1584.8269	0.0244	15	100	113	AGCPPEFMHIKVQK					Mascot
1861.9	1861.9109	0.0109	6	425	441	EALSMAPVNSFEDINPK					Mascot

	2060.0708	2060.0837	0.0129	6	1047	1065	GSAAAI SFLFPYMLLTVC R						Mascot
	2076.0657	2076.071	0.0053	3	1047	1065	GSAAAI SFLFPYMLLTVC R				Oxidation (M)[13]		Mascot
	2211.075	2211.0469	-0.0281	-13	381	398	EDNIIVEDLRDYMGPLR						Mascot
	2365.1475	2365.1101	-0.0374	-16	1129	1147	VFSNNGSELPWKWTFWF FK						Mascot

35 PREDICTED: microtubule-actin cross-linking factor 1, isoforms 1/2/3/5-like [Danio rerio] gi|326674648 241937 5.5 18 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
808.4562	808.4396	-0.0166	-21	1023	1028	ELYQKK					Mascot
826.3512	826.4253	0.0741	90	27	32	ECYQQR					Mascot
960.5472	960.45	-0.0972	-101	206	214	DGRSTLALK	3	0			Mascot
960.5472	960.45	-0.0972	-101	206	214	DGRSTLALK					Mascot
976.5574	976.4453	-0.1121	-115	1551	1558	VFQREL GK					Mascot
996.5182	996.5658	0.0476	48	531	538	FNIEKMAK			Oxidation (M)[6]		Mascot
1006.4444	1006.3708	-0.0736	-73	1972	1980	QV SQCNCPK					Mascot
1211.6014	1211.681	0.0796	66	669	678	DTEEQHLAIR					Mascot
1211.6014	1211.681	0.0796	66	669	678	DTEEQHLAIR	13	0			Mascot
1309.6456	1309.613	-0.0326	-25	1012	1021	EQLCDLKEFK			Carbamidomethyl (C)[4]		Mascot
1325.6704	1325.5896	-0.0808	-61	1448	1458	SKRPMYEACLK					Mascot
1325.6704	1325.7178	0.0474	36	1448	1458	SKRPMYEACLK					Mascot
1347.7128	1347.5968	-0.116	-86	1981	1991	RFQVEQISANR					Mascot
1364.6917	1364.6575	-0.0342	-25	105	116	RSPLSQYGSVDR					Mascot
1364.6917	1364.6575	-0.0342	-25	106	117	SPLSQYGSVDRR					Mascot
1382.6919	1382.7399	0.048	35	1448	1458	SKRPMYEACLK			Carbamidomethyl (C)[9]		Mascot
1382.6919	1382.7399	0.048	35	1448	1458	SKRPMYEACLK			Carbamidomethyl (C)[9]		Mascot
1438.7397	1438.808	0.0683	47	667	678	ARDTEEQHLAIR					Mascot
1584.7573	1584.8269	0.0696	44	1525	1539	AEPQLAEDVPVCGEK					Mascot
1676.8563	1676.8071	-0.0492	-29	1734	1748	ILDWICAAEDSLSLK					Mascot
1957.947	1957.9636	0.0166	8	381	397	SADLGKLQQCAHELMEK			Carbamidomethyl (C)[10]		Mascot
1957.947	1957.9636	0.0166	8	381	397	SADLGKLQQCAHELMEK			Carbamidomethyl (C)[10]		Mascot
2001.0498	2001.0215	-0.0283	-14	1424	1440	EIAVSQEEIKQLTEQK					Mascot
2076.1375	2076.071	-0.0665	-32	1636	1653	VLKYGVLPEEEEEALLAFR					Mascot

36 PREDICTED: hypothetical protein LOC100536975 gi|326679271 234171 8.98 23 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
996.5624	996.5658	0.0034	3	173	180 WIPAPERK				Mascot
1118.6567	1118.65	-0.0067	-6	1003	1013 KGVFAALGDIK				Mascot
1118.6567	1118.65	-0.0067	-6	1004	1014 GVFAALGDIKK				Mascot
1165.5887	1165.7117	0.123	106	1450	1458 YSVEEWPKK				Mascot
1211.6266	1211.681	0.0544	45	1132	1142 NEVVDPSQVPK				Mascot
1211.6266	1211.681	0.0544	45	1132	1142 NEVVDPSQVPK				Mascot
1287.6903	1287.6315	-0.0588	-46	278	288 KIQLVDSVDDR				Mascot
1287.6903	1287.6315	-0.0588	-46	278	288 KIQLVDSVDDR				Mascot
1325.7113	1325.5896	-0.1217	-92	1284	1294 FHRS�TPPGWK				Mascot
1325.7113	1325.7178	0.0065	5	1284	1294 FHRS�TPPGWK				Mascot
1326.6147	1326.7177	0.103	78	1015	1024 MYNSVWLEER				Mascot
1347.7002	1347.5968	-0.1034	-77	1819	1830 LETSELEEKAAK				Mascot
1364.6475	1364.6575	0.01	7	189	199 LKECSNELESR		Carbamidomethyl (C)[4]		Mascot
1364.7307	1364.6575	-0.0732	-54	38	48 LIESELKEEFK				Mascot
1376.7467	1376.6591	-0.0876	-64	1347	1359 AEICGAVFAARLR				Mascot
1382.5927	1382.7399	0.1472	106	447	460 DSTEAGCIVCGAEK				Mascot
1382.5927	1382.7399	0.1472	106	447	460 DSTEAGCIVCGAEK				Mascot
1387.632	1387.6556	0.0236	17	1751	1762 VWGIVYCCMASR				Mascot
1396.5337	1396.6976	0.1639	117	834	847 CGGCRCGNCQPGGK		Carbamidomethyl (C)[1]		Mascot
1404.8434	1404.7152	-0.1282	-91	715	726 RPKIDLLISHR				Mascot
1438.7424	1438.808	0.0656	46	1537	1548 LVDEEKYSNLTK				Mascot
1453.5552	1453.7578	0.2026	139	834	847 CGGCRCGNCQPGGK		Carbamidomethyl (C)[1,4]		Mascot
1763.922	1763.7534	-0.1686	-96	1619	1634 LAVYRENSGLLVCGGR		Carbamidomethyl (C)[13]		Mascot
1796.7512	1796.8547	0.1035	58	823	838 WDSIGTACEPKCGGCR		Carbamidomethyl (C)[8,12]		Mascot
1827.002	1826.9274	-0.0746	-41	1644	1660 AVPIPCSAWVSMLLAR				Mascot
1827.0334	1826.9274	-0.106	-58	1143	1158 ESISQSKTIILPNQLR				Mascot
1842.9968	1842.9148	-0.082	-44	1644	1660 AVPIPCSAWVSMLLAR		Oxidation (M)[13]		Mascot
1864.9109	1864.8792	-0.0317	-17	1900	1915 EDCVEYVTPNSLLGR		Carbamidomethyl (C)[3]		Mascot
1884.0234	1883.7921	-0.2313	-123	1644	1660 AVPIPCSAWVSMLLAR		Carbamidomethyl (C)[7]		Mascot
2211.0215	2211.0469	0.0254	11	816	833 EFIDWWKWDSIGTACEPK				Mascot
2268.043	2267.978	-0.065	-29	816	833 EFIDWWKWDSIGTACEPK		Carbamidomethyl (C)[15]		Mascot

37 PREDICTED: ras association domain-containing protein gi|189537462 49870 4.96 3 39 0 31 79.538
10 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
960.4632	960.45	-0.0132	-14	184	191 ELDGEIER	31	79.538			Mascot
960.4632	960.45	-0.0132	-14	184	191 ELDGEIER					Mascot
992.5193	992.4393	-0.08	-81	25	33 RTTCADVVK					Mascot
1796.8306	1796.8547	0.0241	13	1	14 MEQEESKISVWVCR			Carbamidomethyl (C)[13], Oxidation (M)[1]		Mascot

38 PREDICTED: extended synaptotagmin-1 [Danio rerio] gi|292627058 120956.1 5.99 9 39 0 24 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
996.5546	996.5658	0.0112	11	574	581 IYITAMLR			Oxidation (M)[6]		Mascot
1000.5421	1000.3927	-0.1494	-149	449	457 NQNITVPSK					Mascot
1211.7358	1211.681	-0.0548	-45	144	154 LLVETIAPSIR					Mascot
1211.7358	1211.681	-0.0548	-45	144	154 LLVETIAPSIR	26	28.722			Mascot
1347.7631	1347.5968	-0.1663	-123	316	327 IHLLEAENLPAK					Mascot
1404.7482	1404.7152	-0.033	-23	155	167 ATSAHLQTLSTFK					Mascot
1420.7067	1420.684	-0.0227	-16	712	723 DIDQDDFLGRVK					Mascot
1826.9971	1826.9274	-0.0697	-38	442	457 LSEVLERNQNITVPSK					Mascot
1826.9971	1826.9274	-0.0697	-38	442	457 LSEVLERNQNITVPSK					Mascot
1861.9629	1861.9109	-0.052	-28	882	897 WFSLNGAMPESQILLR					Mascot
2060.0771	2060.0837	0.0066	3	155	173 ATSAHLQTLSTFKVDLGD R					Mascot

39 PREDICTED: protein IWS1 homolog [Danio rerio] gi|326674520 86977.8 4.61 8 38 0 26 30.505

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1006.4323	1006.3708	-0.0615	-61	208	216 ALNSDEDDK					Mascot
1211.6492	1211.681	0.0318	26	670	679 DLDQQIAPRR					Mascot
1211.6492	1211.681	0.0318	26	670	679 DLDQQIAPRR	26	30.505			Mascot
1347.5547	1347.5968	0.0421	31	240	252 ALGSDDDEDEGPK					Mascot
1381.7031	1381.6997	-0.0034	-2	567	579 ETFIDSGVMAAIK					Mascot
1387.6812	1387.6556	-0.0256	-18	208	219 ALNSDEDDKRPK					Mascot
1584.8843	1584.8269	-0.0574	-36	602	615 ILQELPSVSQETLK					Mascot
1660.741	1660.8141	0.0731	44	269	282 ALSDDDDERPKR					Mascot
1957.9059	1957.9636	0.0577	29	510	528 DGGTFISDADDVVSAMIT			Oxidation (M)[16]		Mascot

	1957.9059	1957.9636	0.0577	29	510	528	K DGGTFISDADDVVSAMIT K					Oxidation (M)[16]		Mascot
40	iron-sulfur cluster assembly enzyme [Danio rerio]					gi 54261801	17796.2	8.7	4	38	0	22	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.5083	960.45	-0.0583	-61	1	9	MALAAAAWR					Mascot
960.5359	960.45	-0.0859	-89	107	115	GKSIDEALK	24	0			Mascot
976.5032	976.4453	-0.0579	-59	1	9	MALAAAAWR			Oxidation (M)[1]		Mascot
1387.6708	1387.6556	-0.0152	-11	132	143	LHCSMLAEDAIK			Carbamidomethyl (C)[3]		Mascot
2283.1545	2283.1182	-0.0363	-16	124	143	ELCLPPVKLHCSMLAEDAIK			Carbamidomethyl (C)[3], Oxidation (M)[13]		Mascot

41	novel protein similar to H.sapiens SPEN, spen homolog, transcriptional regulator (Drosophila) (SPEN)					gi 220672753	78472.8	9.24	11	38	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
809.39	809.3976	0.0076	9	126	131	EGRYER					Mascot
992.4835	992.4393	-0.0442	-45	355	362	DGLFHEFK					Mascot
1006.5078	1006.3708	-0.137	-136	228	234	TYHHHRR					Mascot
1118.5298	1118.65	0.1202	107	235	244	SRSSHSSQSR					Mascot
1118.5298	1118.65	0.1202	107	235	244	SRSSHSSQSR					Mascot
1211.6492	1211.681	0.0318	26	265	276	SALSPSRGPPSR					Mascot
1211.6492	1211.681	0.0318	26	265	276	SALSPSRGPPSR	9	0			Mascot
1309.6859	1309.613	-0.0729	-56	251	263	STGQTPKAAHSPK					Mascot
1387.7804	1387.6556	-0.1248	-90	336	347	SFGIRVQNLPTR					Mascot
1396.689	1396.6976	0.0086	6	498	509	MDGEYLG TNRLK					Mascot
1420.7291	1420.684	-0.0451	-32	245	257	HPSPQRSTGQTPK					Mascot
1842.9609	1842.9148	-0.0461	-25	7	21	HLWVG NLP EHVREEK					Mascot
2211.1589	2211.0469	-0.112	-51	553	572	LKGMALVLYNNTDFAQAAVR			Oxidation (M)[4]		Mascot

42	peptidoglycan recognition protein 6 [Danio rerio]					gi 113675724	55457.4	5.92	7	37	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4138	882.5414	0.1276	145	12	18	KCQDQFK			Carbamidomethyl (C)[2]		Mascot

960.4897	960.45	-0.0397	-41	484	490	QIQTWER	20	0		Mascot
960.4897	960.45	-0.0397	-41	484	490	QIQTWER				Mascot
982.4741	982.4254	-0.0487	-50	462	469	SYSLYGHR				Mascot
1016.5119	1016.3883	-0.1236	-122	298	305	NLNQDERK				Mascot
1309.6868	1309.613	-0.0738	-56	1	11	MGRQFISVCLR				Mascot
1325.6816	1325.5896	-0.092	-69	1	11	MGRQFISVCLR			Oxidation (M)[1]	Mascot
1325.6816	1325.7178	0.0362	27	1	11	MGRQFISVCLR			Oxidation (M)[1]	Mascot
1326.7375	1326.7177	-0.0198	-15	260	271	LDDAAPRLISQK				Mascot
1382.7031	1382.7399	0.0368	27	1	11	MGRQFISVCLR			Carbamidomethyl (C)[9], Oxidation (M)[1]	Mascot
1382.7031	1382.7399	0.0368	27	1	11	MGRQFISVCLR			Carbamidomethyl (C)[9], Oxidation (M)[1]	Mascot
1425.6604	1425.745	0.0846	59	21	33	ASSEANTQSDFIR				Mascot

43 PREDICTED: DNA repair protein RAD50 [Danio rerio] gi|326670885 153569 7.48 15 36 0 17 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.5043	960.45	-0.0543	-57	321	327	RLVECQR			Carbamidomethyl (C)[5]		Mascot
960.5043	960.45	-0.0543	-57	321	327	RLVECQR			Carbamidomethyl (C)[5]		Mascot
982.4518	982.4254	-0.0264	-27	536	543	AQMDMMKK					Mascot
1118.58	1118.65	0.07	63	865	874	SSVNEIRGEK					Mascot
1118.58	1118.65	0.07	63	865	874	SSVNEIRGEK					Mascot
1287.7267	1287.6315	-0.0952	-74	220	230	AQEIRELLSTK	17	0			Mascot
1287.7267	1287.6315	-0.0952	-74	220	230	AQEIRELLSTK					Mascot
1325.7172	1325.5896	-0.1276	-96	244	254	IEGQIDPLERR					Mascot
1325.7172	1325.7178	0.0006	0	244	254	IEGQIDPLERR					Mascot
1347.6499	1347.5968	-0.0531	-39	1167	1179	SDVDENASAGVKR					Mascot
1364.6838	1364.6575	-0.0263	-19	127	138	VSLSSKCAEIDR			Carbamidomethyl (C)[7]		Mascot
1364.6838	1364.6575	-0.0263	-19	127	138	VSLSSKCAEIDR			Carbamidomethyl (C)[7]		Mascot
1404.7338	1404.7152	-0.0186	-13	1186	1198	VVMVKGDAALDMR					Mascot
1420.7286	1420.684	-0.0446	-31	1186	1198	VVMVKGDAALDMR			Oxidation (M)[3]		Mascot
1425.7008	1425.745	0.0442	31	575	585	ELEDWIYSKSR					Mascot
1438.7393	1438.808	0.0687	48	1108	1119	MIVMRTTELANK			Oxidation (M)[1,4]		Mascot
1553.7992	1553.6989	-0.1003	-65	7	20	MSILGVRSGVEDK			Oxidation (M)[1]		Mascot
1861.9918	1861.9109	-0.0809	-43	559	574	HNEELVSLLGHPNKK					Mascot
1884.0073	1883.7921	-0.2152	-114	910	926	EQASPLAATLEKLQKEK					Mascot
1957.9171	1957.9636	0.0465	24	977	992	ETELQEMDKQLHEAEK					Mascot
1957.9171	1957.9636	0.0465	24	977	992	ETELQEMDKQLHEAEK					Mascot

2365.07642365.11010.033714625644YEERLFNVCGSQDFQSDLSK

Mascot

44CLIP-associating protein 1 [Danio rerio]gi|169646251168891.59.0516360

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.438	960.45	0.012	12	1215	1224	EAASPGSDAR	4	0			Mascot
960.438	960.45	0.012	12	1215	1224	EAASPGSDAR					Mascot
1165.6801	1165.7117	0.0316	27	1355	1364	DHTIRALALR					Mascot
1211.5573	1211.681	0.1237	102	229	240	SGNMILSSGSDK			Oxidation (M)[4]		Mascot
1211.5573	1211.681	0.1237	102	229	240	SGNMILSSGSDK			Oxidation (M)[4]		Mascot
1325.524	1325.5896	0.0656	49	241	252	NFDEDSVDGGR					Mascot
1325.8151	1325.7178	-0.0973	-73	863	874	KEGLLGQLNLLK					Mascot
1382.7175	1382.7399	0.0224	16	335	345	QDWEHRVTALK					Mascot
1382.7175	1382.7399	0.0224	16	335	345	QDWEHRVTALK					Mascot
1396.6003	1396.6976	0.0973	70	508	518	CYWGFHGHFSR					Mascot
1420.7026	1420.684	-0.0186	-13	598	611	SDIDVNAASSAKSR					Mascot
1453.6218	1453.7578	0.136	94	508	518	CYWGFHGHFSR			Carbamidomethyl (C)[1]		Mascot
1553.7845	1553.6989	-0.0856	-55	304	317	AFEDVPAVQIYSSK					Mascot
1809.8685	1809.9116	0.0431	24	642	659	RQSSGSAVSANSTVTDSR					Mascot
1826.8485	1826.9274	0.0789	43	1	15	MEPNMEYCLTQVLQK					Mascot
1826.8485	1826.9274	0.0789	43	1	15	MEPNMEYCLTQVLQK					Mascot
1842.8435	1842.9148	0.0713	39	1	15	MEPNMEYCLTQVLQK			Oxidation (M)[1]		Mascot
1861.9952	1861.9109	-0.0843	-45	168	184	IVPHICNLLGDPTSQVR					Mascot
1864.8922	1864.8792	-0.013	-7	285	303	AAGKDGASAGALDEEDFIK					Mascot
1883.87	1883.7921	-0.0779	-41	1	15	MEPNMEYCLTQVLQK			Carbamidomethyl (C)[8]		Mascot
2001.0222	2001.0215	-0.0007	0	349	366	SLLMAGATEHEGFIQQLR					Mascot
2225.207	2225.0564	-0.1506	-68	381	401	SQVVREACITLGHLSLLGNK					Mascot
2268.082	2267.978	-0.104	-46	1	19	MEPNMEYCLTQVLQKDVAR					Mascot
2284.0769	2284.1077	0.0308	13	1	19	MEPNMEYCLTQVLQKDVAR			Oxidation (M)[1]		Mascot
2325.1035	2325.0952	-0.0083	-4	1	19	MEPNMEYCLTQVLQKDVAR			Carbamidomethyl (C)[8]		Mascot

45novel protein similar to human titin (TTN) [Danio rerio]gi|2956177521131536.4662360

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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808.4352	808.4396	0.0044	5	13053	13058	SLQWFK			Mascot
809.4264	809.3976	-0.0288	-36	16637	16643	TNAGRYK			Mascot
826.4781	826.4253	-0.0528	-64	18636	18642	SPEPRIK			Mascot
842.5094	842.485	-0.0244	-29	1522	1529	LSIPGVTR			Mascot
882.4315	882.5414	0.1099	125	12144	12151	DGSSFTLR			Mascot
960.4454	960.45	0.0046	5	4022	4031	CGPGPATETK			Mascot
960.5148	960.45	-0.0648	-67	1607	1614	AEWVQVTK			Mascot
982.4727	982.4254	-0.0473	-48	18042	18049	EEEEYATK			Mascot
984.4857	984.3965	-0.0892	-91	3912	3920	EATRADHGK			Mascot
984.4857	984.3965	-0.0892	-91	3912	3920	EATRADHGK			Mascot
992.4828	992.4393	-0.0435	-44	17582	17589	CKVVSedr		Carbamidomethyl (C)[1]	Mascot
996.5373	996.5658	0.0285	29	670	676	QYQFRVR			Mascot
1000.5032	1000.3927	-0.1105	-110	15622	15629	WMNVAHVK		Oxidation (M)[2]	Mascot
1006.4799	1006.3708	-0.1091	-108	5964	5973	GDVTLSDSGR			Mascot
1016.4757	1016.3883	-0.0874	-86	4099	4106	ETFFMVDK			Mascot
1118.5477	1118.65	0.1023	91	2114	2123	LSWDTSGPQK			Mascot
1118.6429	1118.65	0.0071	6	17667	17676	AGHRIKDPK			Mascot
1165.6211	1165.7117	0.0906	78	14756	14766	VSAENKFGVSK			Mascot
1211.5507	1211.681	0.1303	108	9452	9462	CSKTSEGCiAR	1	0 Carbamidomethyl (C)[1]	Mascot
1211.6677	1211.681	0.0133	11	9976	9987	KGIVVHAGGSMR			Mascot
1287.625	1287.6315	0.0065	5	12413	12423	DQLEAPEINMK			Mascot
1287.7783	1287.6315	-0.1468	-114	6735	6746	SGASIRIFVPIK			Mascot
1309.7263	1309.613	-0.1133	-87	15146	15155	LIKNNEYIFR			Mascot
1325.6888	1325.5896	-0.0992	-75	16403	16412	EILGYWIEFR			Mascot
1325.6888	1325.7178	0.029	22	16403	16412	EILGYWIEFR			Mascot
1326.7164	1326.7177	0.0013	1	2225	2235	VPVQYDKHVNK			Mascot
1327.7004	1327.6887	-0.0117	-9	1120	1131	TFTVYGVREGAK			Mascot
1327.7004	1327.6887	-0.0117	-9	1120	1131	TFTVYGVREGAK			Mascot
1347.6361	1347.5968	-0.0393	-29	16578	16589	EKYYAGCGTSLR			Mascot
1364.6012	1364.6575	0.0563	41	252	263	SGKTSGPDCHYR		Carbamidomethyl (C)[9]	Mascot
1364.6012	1364.6575	0.0563	41	252	263	SGKTSGPDCHYR		Carbamidomethyl (C)[9]	Mascot
1380.6907	1380.6836	-0.0071	-5	6613	6625	DIAYPPGPPSNPR			Mascot
1381.707	1381.6997	-0.0073	-5	14367	14378	YTLsLENNsGRK			Mascot
1382.6924	1382.7399	0.0475	34	1107	1117	DWSRATERPHK			Mascot
1382.6924	1382.7399	0.0475	34	1107	1117	DWSRATERPHK			Mascot
1387.6675	1387.6556	-0.0119	-9	65	75	GLMEKQEYSFR			Mascot

1396.7617	1396.6976	-0.0641	-46	13650	13661	IVCSSVVRTTFK	Carbamidomethyl (C)[3]	Mascot
1404.7078	1404.7152	0.0074	5	8135	8146	ETTRVNTEVAER		Mascot
1420.689	1420.684	-0.005	-4	9117	9128	DQDKWSLCAQVK		Mascot
1425.7333	1425.745	0.0117	8	1530	1542	LDKGYTVVTASNR		Mascot
1438.7689	1438.808	0.0391	27	6857	6868	KAYSVITTNWQK		Mascot
1453.7468	1453.7578	0.011	8	11580	11591	MNRGLITETQFK	Oxidation (M)[1]	Mascot
1495.8154	1495.8157	0.0003	0	13762	13774	VIGLIEGLEYSFR		Mascot
1553.7594	1553.6989	-0.0605	-39	9689	9702	HDGGSISYYVIQK		Mascot
1584.8236	1584.8269	0.0033	2	4315	4329	MGTGPPMESRPIAK		Mascot
1676.8788	1676.8071	-0.0717	-43	9743	9757	YGVGEPLSRAVIMR		Mascot
1763.9109	1763.7534	-0.1575	-89	13642	13657	ETSQAAWKIVCSSVVR		Mascot
1796.8094	1796.8547	0.0453	25	5030	5045	HPFDPPSEPLNCCVNK		Mascot
1808.925	1808.9109	-0.0141	-8	4092	4106	LHEGVLKETFFMVDK	Oxidation (M)[12]	Mascot
1809.9017	1809.9116	0.0099	5	11643	11659	TSVSLSWTKPEFDGGAK		Mascot
1824.9602	1824.9114	-0.0488	-27	15838	15853	LVEGTEYVFRVAATNR		Mascot
1826.9507	1826.9274	-0.0233	-13	5147	5163	SSVSLVWSRPKHDGGSK		Mascot
1826.9507	1826.9274	-0.0233	-13	5147	5163	SSVSLVWSRPKHDGGSK		Mascot
1842.9232	1842.9148	-0.0084	-5	2216	2231	APQDKPDDKVPVQYDK		Mascot
1848.8949	1848.9019	0.007	4	6858	6872	AYSVITTNWQKCSYK	Carbamidomethyl (C)[12]	Mascot
1862.0422	1861.9109	-0.1313	-71	10791	10806	LSWTVVEPKIAISYK		Mascot
1864.8937	1864.8792	-0.0145	-8	14153	14167	HRVTNLTEGNEYEFR		Mascot
1883.8667	1883.7921	-0.0746	-40	16031	16046	ICEYTLTHMPQGAeyK		Mascot
2060.1685	2060.0837	-0.0848	-41	3258	3276	IATCTVLVLDKPGPVQHL R		Mascot
2075.9775	2076.071	0.0935	45	13462	13478	CQCEVTELKELSEVYFR		Mascot
2211.0713	2211.0469	-0.0244	-11	16266	16285	TPLCPPPEPSPFPEIMDV TK	Oxidation (M)[16]	Mascot
2225.0479	2225.0564	0.0085	4	5030	5048	HPFDPPSEPLNCCVNV SK	Carbamidomethyl (C)[12,13]	Mascot
2268.0422	2267.978	-0.0642	-28	4280	4298	MVWSTYSASLVNVCNV TR	Carbamidomethyl (C)[15], Oxidation (M)[1]	Mascot
2269.1716	2268.9675	-0.2041	-90	4521	4542	VSAQNQVGMGRPANVK DAVSPK	Oxidation (M)[9]	Mascot
2283.1284	2283.1182	-0.0102	-4	76	97	VRAVNVAGESEPSEPSD PVLCK		Mascot
2284.1389	2284.1077	-0.0312	-14	7694	7714	ACDTIFQPGPPGNPRVLD TTK	Carbamidomethyl (C)[2]	Mascot
2325.0938	2325.0952	0.0014	1	5026	5045	MIARHPFDPPSEPLNCCV NK	Carbamidomethyl (C)[16]	Mascot
2365.1248	2365.1101	-0.0147	-6	14802	14821	WDVPYHDGGSQVTGYWI EKK		Mascot

46 PREDICTED: LOW QUALITY PROTEIN: afadin [Danio rerio] gi|326677257 206863.2 5.77 14 36 0

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.459	842.485	0.026	31	352	358	GRKPDNR					Mascot
882.4355	882.5414	0.1059	120	1400	1405	WYEKEK					Mascot
960.4455	960.45	0.0045	5	129	136	NENDIMPK					Mascot
960.4744	960.45	-0.0244	-25	1408	1414	LEEERER	19	0			Mascot
976.4404	976.4453	0.0049	5	129	136	NENDIMPK			Oxidation (M)[6]		Mascot
1016.5119	1016.3883	-0.1236	-122	1587	1594	ARLQDEER					Mascot
1325.7358	1325.5896	-0.1462	-110	994	1006	KHNGMGLSIVAAK					Mascot
1325.7358	1325.7178	-0.018	-14	994	1006	KHNGMGLSIVAAK					Mascot
1327.66	1327.6887	0.0287	22	407	418	LQHSVTEVGSDR					Mascot
1327.66	1327.6887	0.0287	22	407	418	LQHSVTEVGSDR					Mascot
1438.696	1438.808	0.112	78	90	101	YSLYEVHVSGER					Mascot
1660.77	1660.8141	0.0441	27	1487	1501	EELSASDSLSPDPWK					Mascot
1824.7527	1824.9114	0.1587	87	1253	1268	SQEELCDMPGGYPGER			Carbamidomethyl (C)[6]		Mascot
1848.9636	1848.9019	-0.0617	-33	553	568	GLVKPMIRGEQQDFSK			Oxidation (M)[6]		Mascot
1861.8208	1861.9109	0.0901	48	838	852	YSMQDVQNINNTCFK			Carbamidomethyl (C)[13]		Mascot
2225.0945	2225.0564	-0.0381	-17	569	588	HDGRSQDGPELTLPASIE FR					Mascot
2284.2256	2284.1077	-0.1179	-52	1032	1053	LAAGDQLLSVDGRSLVG LSQER					Mascot

47 PREDICTED: hypothetical protein LOC558830 [Danio rerio] gi|189523591 117229.9 9.86 16 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
808.4167	808.4396	0.0229	28	750	756	VMKCATR					Mascot
842.3751	842.485	0.1099	130	18	24	HSADEQR					Mascot
882.4791	882.5414	0.0623	71	620	626	LHKNQDK					Mascot
984.4502	984.3965	-0.0537	-55	975	983	GPHACLQCR					Mascot
984.4502	984.3965	-0.0537	-55	975	983	GPHACLQCR					Mascot
1006.4556	1006.3708	-0.0848	-84	1034	1041	CRQCIAAQ			Carbamidomethyl (C)[1,4]		Mascot
1165.5881	1165.7117	0.1236	106	128	138	SVCSDVSLISR					Mascot
1287.7379	1287.6315	-0.1064	-83	951	961	SVLLESIRQSR					Mascot
1287.7379	1287.6315	-0.1064	-83	951	961	SVLLESIRQSR					Mascot
1364.6587	1364.6575	-0.0012	-1	669	681	RNTVCSSQGTPSK					Mascot
1364.6587	1364.6575	-0.0012	-1	669	681	RNTVCSSQGTPSK					Mascot

1376.6702	1376.6591	-0.0111	-8	245	256	MWPALEACSAIK	Carbamidomethyl (C)[8]	Mascot
1380.723	1380.6836	-0.0394	-29	656	668	DSSGSAILQPIHR		Mascot
1382.6733	1382.7399	0.0666	48	139	150	MVESHSHEVLSK		Mascot
1382.6733	1382.7399	0.0666	48	139	150	MVESHSHEVLSK		Mascot
1553.7958	1553.6989	-0.0969	-62	58	70	GFVQYREVLAEDK		Mascot
1763.8567	1763.7534	-0.1033	-59	984	998	ASYRDCDALIMHQIK		Mascot
1808.98	1808.9109	-0.0691	-38	697	713	VATTMSRHKPGPTGKPK	Oxidation (M)[5]	Mascot
1861.9436	1861.9109	-0.0327	-18	602	618	SRSLLQTDSSAIDCPIR		Mascot
1864.9585	1864.8792	-0.0793	-43	151	166	LNSQREAGLFCDITLK	Carbamidomethyl (C)[11]	Mascot

48 epoxide hydrolase 2 [Danio rerio] gi|56693357 61852.6 6.11 10 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
982.5064	982.4254	-0.081	-82	43	51	LGSDNALHR					Mascot
992.5087	992.4393	-0.0694	-70	158	165	IPEPDFFK					Mascot
1387.7164	1387.6556	-0.0608	-44	472	481	NWRWMVSRPR					Mascot
1495.8632	1495.8157	-0.0475	-32	537	548	ILISWLKETHQK					Mascot
1553.803	1553.6989	-0.1041	-67	38	51	NVETKLGSDNALHR					Mascot
1824.8507	1824.9114	0.0607	33	57	72	TTLAQMIPEFDAECQK					Mascot
2076.0947	2076.071	-0.0237	-11	272	290	YQIPALADAGFRVLAPDM K					Mascot
2225.113	2225.0564	-0.0566	-25	417	438	LSPAGVCQRGGLFVGSP DDPPR					Mascot
2268.2056	2267.978	-0.2276	-100	496	516	DPVLLPAFATGMENLIPN LSR					Mascot
2284.2004	2284.1077	-0.0927	-41	496	516	DPVLLPAFATGMENLIPN LSR			Oxidation (M)[12]		Mascot
2365.0813	2365.1101	0.0288	12	517	536	GHIIECGHWTQMERPAE LNK					Mascot

49 novel protein similar to vertebrate ankyrin repeat domain 12 (ANKRD12) [Danio rerio]

gi|220672679 222305 6.25 20 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
808.4159	808.4396	0.0237	29	160	167	IASSSTSR					Mascot
809.4008	809.3976	-0.0032	-4	1927	1932	TCLLMR			Carbamidomethyl (C)[2], Oxidation (M)[5]		Mascot
882.4791	882.5414	0.0623	71	1840	1846	LQHSIER					Mascot
960.5359	960.45	-0.0859	-89	37	45	SELLGKEGK					Mascot
960.5359	960.45	-0.0859	-89	37	45	SELLGKEGK					Mascot

		982.4332	982.4254	-0.0078	-8	399	407	SDQSM LACK					Mascot
		1016.5118	1016.3883	-0.1235	-121	480	487	NKENQEVR					Mascot
		1118.5186	1118.65	0.1314	117	738	747	HSTSSSNKDR					Mascot
		1118.5186	1118.65	0.1314	117	738	747	HSTSSSNKDR					Mascot
		1211.6201	1211.681	0.0609	50	179	189	GETPLHMAAIR	6	0	Oxidation (M)[7]		Mascot
		1211.6453	1211.681	0.0357	29	1085	1094	TSFERMLS LK					Mascot
		1287.6288	1287.6315	0.0027	2	440	451	SVSVDGHKTDSR					Mascot
		1287.6288	1287.6315	0.0027	2	440	451	SVSVDGHKTDSR					Mascot
		1325.634	1325.5896	-0.0444	-33	1826	1835	EMFKQQEMVR					Mascot
		1325.634	1325.7178	0.0838	63	1826	1835	EMFKQQEMVR					Mascot
		1327.6167	1327.6887	0.072	54	129	139	QMALVMQMTAR			Oxidation (M)[2,6,8]		Mascot
		1327.6167	1327.6887	0.072	54	129	139	QMALVMQMTAR			Oxidation (M)[2,6,8]		Mascot
		1376.738	1376.6591	-0.0789	-57	1169	1181	DATSVRTL SDAK					Mascot
		1382.6403	1382.7399	0.0996	72	395	407	QGSKSDQSMLACK					Mascot
		1382.6403	1382.7399	0.0996	72	395	407	QGSKSDQSMLACK					Mascot
		1438.7114	1438.808	0.0966	67	1758	1768	ANPYEYLHIR					Mascot
		1796.8695	1796.8547	-0.0148	-8	1137	1152	SSSTSTEPCLTKELTR			Carbamidomethyl (C)[9]		Mascot
		1824.9927	1824.9114	-0.0813	-45	1717	1733	ASPLAQANLTAQQVREK					Mascot
		1848.8835	1848.9019	0.0184	10	852	867	SEHLADKPELHNSTD R					Mascot
		2076.0469	2076.071	0.0241	12	850	867	VKSEHLADKPELHNSTD R					Mascot
		2362.0762	2362.1145	0.0383	16	1495	1516	IGEHVTKTDCASTPSPST ASCR			Carbamidomethyl (C)[10,21]		Mascot
50	disrupted in schizophrenia 1 [Danio rerio]					q 214010133	112147.1	5.07	1		25	7.327	

	880.4231	880.4886	0.0655	74	1079	1086	NSRSSSSR										Mascot
	1070.4861	1070.4473	-0.0388	-36	921	929	NIEDHSAER	74	100								Mascot
	1070.4861	1070.4473	-0.0388	-36	921	929	NIEDHSAER										Mascot
	1241.6083	1241.5652	-0.0431	-35	828	837	LESMTYEQLK										Mascot
	1257.6031	1257.5604	-0.0427	-34	828	837	LESMTYEQLK					Oxidation (M)[4]					Mascot
	1360.6703	1360.63	-0.0403	-30	694	706	SPAADESADRITK										Mascot
	1416.6722	1416.7604	0.0882	62	184	194	DLSHCQERIMK					Carbamidomethyl (C)[5]					Mascot
	1486.8087	1486.736	-0.0727	-49	270	282	TPVVPKADYMPR										Mascot
	1487.8468	1487.7902	-0.0566	-38	719	732	ALPTDKPLASAYLK										Mascot
	1515.7478	1515.6962	-0.0516	-34	733	745	VFGQEVAYVNFDK	105	100								Mascot
	1515.7478	1515.6962	-0.0516	-34	733	745	VFGQEVAYVNFDK										Mascot
	1723.9412	1723.8816	-0.0596	-35	746	761	TIIEEAIPMATGPKPR										Mascot
	1723.9412	1723.8816	-0.0596	-35	746	761	TIIEEAIPMATGPKPR	120	100								Mascot
	1739.936	1739.8815	-0.0545	-31	746	761	TIIEEAIPMATGPKPR					Oxidation (M)[9]					Mascot
	1739.936	1739.8815	-0.0545	-31	746	761	TIIEEAIPMATGPKPR	35	92.59	Oxidation (M)[9]							Mascot
	2174.1968	2174.1145	-0.0823	-38	770	789	ALQEGVAFQYAKPLLAAE VR	165	100								Mascot
	2174.1968	2174.1145	-0.0823	-38	770	789	ALQEGVAFQYAKPLLAAE VR										Mascot
	2627.3716	2627.2815	-0.0901	-34	897	920	VEALPVELPEHIASASFET YAVVR	189	100								Mascot
	2627.3716	2627.2815	-0.0901	-34	897	920	VEALPVELPEHIASASFET YAVVR										Mascot
	3089.5942	3089.4919	-0.1023	-33	893	920	GNYKVEALPVELPEHIAS ASFETYAVVR										Mascot
2	Vtg1 protein [Danio rerio]				gi 145337918		116565.5	9.07	10	673	100	652	100				

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	880.4231	880.4886	0.0655	74	785	792	NSRSSSSR					Mascot
	1070.4861	1070.4473	-0.0388	-36	627	635	NIEDHSAER	74	100			Mascot
	1070.4861	1070.4473	-0.0388	-36	627	635	NIEDHSAER					Mascot
	1241.6083	1241.5652	-0.0431	-35	534	543	LESMTYEQLK					Mascot
	1257.6031	1257.5604	-0.0427	-34	534	543	LESMTYEQLK			Oxidation (M)[4]		Mascot
	1360.6703	1360.63	-0.0403	-30	400	412	SPAADESADRITK					Mascot
	1487.8468	1487.7902	-0.0566	-38	425	438	ALPTDKPLASAYLK					Mascot
	1515.7478	1515.6962	-0.0516	-34	439	451	VFGQEVAYVNFDK	105	100			Mascot
	1515.7478	1515.6962	-0.0516	-34	439	451	VFGQEVAYVNFDK					Mascot
	1723.9412	1723.8816	-0.0596	-35	452	467	TIIEEAIPMATGPKPR					Mascot

1723.9412	1723.8816	-0.0596	-35	452	467	TIIEEAIPMATGPKPR	120	100		Mascot
1739.936	1739.8815	-0.0545	-31	452	467	TIIEEAIPMATGPKPR			Oxidation (M)[9]	Mascot
1739.936	1739.8815	-0.0545	-31	452	467	TIIEEAIPMATGPKPR	35	92.59	Oxidation (M)[9]	Mascot
2174.1968	2174.1145	-0.0823	-38	476	495	ALQEGVAFQYAKPLLAEE VR	165	100		Mascot
2174.1968	2174.1145	-0.0823	-38	476	495	ALQEGVAFQYAKPLLAEE VR				Mascot
2627.3716	2627.2815	-0.0901	-34	603	626	VEALPVELPEHIASASFET YAVVR	189	100		Mascot
2627.3716	2627.2815	-0.0901	-34	603	626	VEALPVELPEHIASASFET YAVVR				Mascot
3089.5942	3089.4919	-0.1023	-33	599	626	GNYKVEALPVELPEHIAS ASFETYAVVR				Mascot

3 vitellogenin 1 [Danio rerio] gi|166795887 149452.5 8.68 11 551 100 533 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
880.4231	880.4886	0.0655	74	1079	1086	NSRSSSSR					Mascot
1070.4861	1070.4473	-0.0388	-36	921	929	NIEDHSAER	74	100			Mascot
1070.4861	1070.4473	-0.0388	-36	921	929	NIEDHSAER					Mascot
1241.6083	1241.5652	-0.0431	-35	828	837	LESMTYEQLK					Mascot
1257.6031	1257.5604	-0.0427	-34	828	837	LESMTYEQLK			Oxidation (M)[4]		Mascot
1416.6722	1416.7604	0.0882	62	184	194	DLSHCQERIMK			Carbamidomethyl (C)[5]		Mascot
1486.8087	1486.736	-0.0727	-49	270	282	TPVVPKADYMPR					Mascot
1515.7478	1515.6962	-0.0516	-34	733	745	VFGQEVAYVNFDK	105	100			Mascot
1515.7478	1515.6962	-0.0516	-34	733	745	VFGQEVAYVNFDK					Mascot
1751.9724	1751.9039	-0.0685	-39	746	761	TIIEEAIPMTGPKPR					Mascot
1767.9673	1767.9034	-0.0639	-36	746	761	TIIEEAIPMTGPKPR			Oxidation (M)[9]		Mascot
2174.1968	2174.1145	-0.0823	-38	770	789	ALQEGVAFQYAKPLLAEE VR	165	100			Mascot
2174.1968	2174.1145	-0.0823	-38	770	789	ALQEGVAFQYAKPLLAEE VR					Mascot
2233.2009	2233.0156	-0.1853	-83	593	614	SLTRITAPDMAYVAGAAN VAIK					Mascot
2627.3716	2627.2815	-0.0901	-34	897	920	VEALPVELPEHIASASFET YAVVR	189	100			Mascot
2627.3716	2627.2815	-0.0901	-34	897	920	VEALPVELPEHIASASFET YAVVR					Mascot
3089.5942	3089.4919	-0.1023	-33	893	920	GNYKVEALPVELPEHIAS ASFETYAVVR					Mascot

4 vitellogenin 1 [Danio rerio] gi|21391472 127954.2 8.69 9 479 100 465 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	880.4231	880.4886	0.0655	74	888	895	NSRSSSSR										Mascot
	1070.4861	1070.4473	-0.0388	-36	730	738	NIEDHSAER	74	100								Mascot
	1070.4861	1070.4473	-0.0388	-36	730	738	NIEDHSAER										Mascot
	1241.6083	1241.5652	-0.0431	-35	637	646	LESMTYEQLK										Mascot
	1257.6031	1257.5604	-0.0427	-34	637	646	LESMTYEQLK					Oxidation (M)[4]					Mascot
	1360.6703	1360.63	-0.0403	-30	503	515	SPAADESADRIK										Mascot
	1486.8087	1486.736	-0.0727	-49	79	91	TPVVPIKADYMPR										Mascot
	1487.8468	1487.7902	-0.0566	-38	528	541	ALPTDKPLASAYLK										Mascot
	1515.7478	1515.6962	-0.0516	-34	542	554	VFGQEVAYVNFDK	105	100								Mascot
	1515.7478	1515.6962	-0.0516	-34	542	554	VFGQEVAYVNFDK										Mascot
	1723.9412	1723.8816	-0.0596	-35	555	570	TIIEEAIPMATGPKPR										Mascot
	1723.9412	1723.8816	-0.0596	-35	555	570	TIIEEAIPMATGPKPR	120	100								Mascot
	1739.936	1739.8815	-0.0545	-31	555	570	TIIEEAIPMATGPKPR					Oxidation (M)[9]					Mascot
	1739.936	1739.8815	-0.0545	-31	555	570	TIIEEAIPMATGPKPR	35	92.59	Oxidation (M)[9]							Mascot
	2174.1968	2174.1145	-0.0823	-38	579	598	ALQEGVAFQYAKPLLAEE VR	165	100								Mascot
	2174.1968	2174.1145	-0.0823	-38	579	598	ALQEGVAFQYAKPLLAEE VR										Mascot
5	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94732723 147084.2 8.73 13 368 100 344 100																

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
880.4231	880.4886	0.0655	74	1079	1086	NSRSSSSR					Mascot
1070.4861	1070.4473	-0.0388	-36	921	929	NIEDHSAER	74	100			Mascot
1070.4861	1070.4473	-0.0388	-36	921	929	NIEDHSAER					Mascot
1416.6722	1416.7604	0.0882	62	184	194	DLSHCQERIMK			Carbamidomethyl (C)[5]		Mascot
1486.8087	1486.736	-0.0727	-49	270	282	TPVVPIKADYMPR					Mascot
1501.8373	1501.7494	-0.0879	-59	719	732	ALPTDRPLASAYVK					Mascot
1515.7478	1515.6962	-0.0516	-34	733	745	VFGQEVAYVNFDK	105	100			Mascot
1515.7478	1515.6962	-0.0516	-34	733	745	VFGQEVAYVNFDK					Mascot
1529.7917	1529.712	-0.0797	-52	1180	1193	VQLIASSIAENDNR					Mascot
1737.8992	1737.8981	-0.0011	-1	119	134	VFAPAGVSPVTVMNLYR			Oxidation (M)[12]		Mascot
1753.9517	1753.8953	-0.0564	-32	746	761	TIIEEAIPMVSGPKPR			Oxidation (M)[9]		Mascot
2174.1968	2174.1145	-0.0823	-38	770	789	ALQEGVAFQYAKPLLAEE VR	165	100			Mascot
2174.1968	2174.1145	-0.0823	-38	770	789	ALQEGVAFQYAKPLLAEE VR					Mascot
2201.9875	2202.0251	0.0376	17	192	210	IMKDVGLAYTESPECTE R			Carbamidomethyl (C)[13]		Mascot

	2561.4192	2561.2615	-0.1577	-62	552	576	MVACIVLFEAKPSVALVS SLAGALR						Oxidation (M)[1]	Mascot
	2607.4028	2607.3181	-0.0847	-32	897	920	VETLPVELPEHIASASFET LAVVR							Mascot
6	vitellogenin 7 [Danio rerio]				gi 156713467		148739.2	8.76	13	367	100	344	100	

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
880.4231	880.4886	0.0655	74	1079	1086	NSRSSSSR						Mascot	
1070.4861	1070.4473	-0.0388	-36	921	929	NIEDHSAER	74	100				Mascot	
1070.4861	1070.4473	-0.0388	-36	921	929	NIEDHSAER						Mascot	
1416.6722	1416.7604	0.0882	62	184	194	DLSHCQERIMK				Carbamidomethyl (C)[5]		Mascot	
1486.8087	1486.736	-0.0727	-49	270	282	TPVVPIKADYMPR						Mascot	
1501.8373	1501.7494	-0.0879	-59	719	732	ALPTDRPLASAYVK						Mascot	
1515.7478	1515.6962	-0.0516	-34	733	745	VFGQEVAYVNFDK	105	100				Mascot	
1515.7478	1515.6962	-0.0516	-34	733	745	VFGQEVAYVNFDK						Mascot	
1529.7917	1529.712	-0.0797	-52	1195	1208	VQLIASSIAENDNR						Mascot	
1537.7467	1537.6732	-0.0735	-48	981	994	GCVEVHSYNAAFIK						Mascot	
1737.8992	1737.8981	-0.0011	-1	119	134	VFAPAGVSPTVMNLYR				Oxidation (M)[12]		Mascot	
1753.9517	1753.8953	-0.0564	-32	746	761	TIIEEAIPMVSQPKPR				Oxidation (M)[9]		Mascot	
2174.1968	2174.1145	-0.0823	-38	770	789	ALQEGVAFQYAKPLAAE VR	165	100				Mascot	
2174.1968	2174.1145	-0.0823	-38	770	789	ALQEGVAFQYAKPLAAE VR						Mascot	
2201.9875	2202.0251	0.0376	17	192	210	IMKDVGLAYTESPECTE R				Carbamidomethyl (C)[13]		Mascot	
2607.4028	2607.3181	-0.0847	-32	897	920	VETLPVELPEHIASASFET LAVVR						Mascot	

7	vitellogenin 5 [Danio rerio]				gi 68448530		148868	8.77	11	358	100	341	100
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Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1070.4861	1070.4473	-0.0388	-36	921	929	NIEDHSAER	74	100				Mascot	
1070.4861	1070.4473	-0.0388	-36	921	929	NIEDHSAER						Mascot	
1241.6083	1241.5652	-0.0431	-35	828	837	LESMTYEQLK						Mascot	
1257.6031	1257.5604	-0.0427	-34	828	837	LESMTYEQLK				Oxidation (M)[4]		Mascot	
1324.5975	1324.6425	0.045	34	1067	1079	NTPVSSSESSSSSR						Mascot	
1324.5975	1324.6425	0.045	34	1067	1079	NTPVSSSESSSSSR						Mascot	
1416.6722	1416.7604	0.0882	62	184	194	DLSHCQERIMK				Carbamidomethyl (C)[5]		Mascot	
1486.8087	1486.736	-0.0727	-49	270	282	TPVVPIKADYMPR						Mascot	

	1515.7478	1515.6962	-0.0516	-34	733	745	VFGQEVAYVNFDK	105	100				Mascot
	1515.7478	1515.6962	-0.0516	-34	733	745	VFGQEVAYVNFDK						Mascot
	1549.8373	1549.7819	-0.0554	-36	719	732	ALPTDRPLASAYFK						Mascot
	1737.9568	1737.8981	-0.0587	-34	746	761	SIIEEAIPMTGPKPR						Mascot
	1753.9517	1753.8953	-0.0564	-32	746	761	SIIEEAIPMTGPKPR			Oxidation (M)[9]			Mascot
	2188.2124	2188.1277	-0.0847	-39	770	789	ALQEGIAFQYAKPLAAE VR						Mascot
	2278.2	2277.9265	-0.2735	-120	283	302	GSLQYELASEILQTPQL MK			Oxidation (M)[19]			Mascot
	2577.3923	2577.3083	-0.084	-33	897	920	VEALPVELPEHIASASFET LAVVR						Mascot
	2577.3923	2577.3083	-0.084	-33	897	920	VEALPVELPEHIASASFET LAVVR	162	100				Mascot
8	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]					gi 94733731	149169.2	8.84	11	358	100	341	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1070.4861	1070.4473	-0.0388	-36	925	933	NIEDHSAER	74	100			Mascot
1070.4861	1070.4473	-0.0388	-36	925	933	NIEDHSAER					Mascot
1241.6083	1241.5652	-0.0431	-35	832	841	LESMTYEQLK					Mascot
1257.6031	1257.5604	-0.0427	-34	832	841	LESMTYEQLK			Oxidation (M)[4]		Mascot
1324.5975	1324.6425	0.045	34	1071	1083	NTPVSSESSSSSR					Mascot
1324.5975	1324.6425	0.045	34	1071	1083	NTPVSSESSSSSR					Mascot
1416.6722	1416.7604	0.0882	62	188	198	DLSHCQERIMK			Carbamidomethyl (C)[5]		Mascot
1486.8087	1486.736	-0.0727	-49	274	286	TPVVPKADYMPR					Mascot
1515.7478	1515.6962	-0.0516	-34	737	749	VFGQEVAYVNFDK	105	100			Mascot
1515.7478	1515.6962	-0.0516	-34	737	749	VFGQEVAYVNFDK					Mascot
1549.8373	1549.7819	-0.0554	-36	723	736	ALPTDRPLASAYFK					Mascot
1737.8992	1737.8981	-0.0011	-1	123	138	VFAPAGVSPTVMNLYR			Oxidation (M)[12]		Mascot
1753.9517	1753.8953	-0.0564	-32	750	765	SIIEEAIPMTGPKPR			Oxidation (M)[9]		Mascot
2188.2124	2188.1277	-0.0847	-39	774	793	ALQEGIAFQYAKPLAAE VR					Mascot
2577.3923	2577.3083	-0.084	-33	901	924	VEALPVELPEHIASASFET LAVVR					Mascot
2577.3923	2577.3083	-0.084	-33	901	924	VEALPVELPEHIASASFET LAVVR	162	100			Mascot

9	vitellogenin 6 [Danio rerio]					gi 303227889	150936.1	8.84	8	354	100	344	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	1070.4861	1070.4473	-0.0388	-36	932	940	NIEDHSAER	74	100		Mascot		
	1070.4861	1070.4473	-0.0388	-36	932	940	NIEDHSAER				Mascot		
	1241.6083	1241.5652	-0.0431	-35	839	848	LESMTYEQLK				Mascot		
	1257.6031	1257.5604	-0.0427	-34	839	848	LESMTYEQLK			Oxidation (M)[4]	Mascot		
	1416.6722	1416.7604	0.0882	62	195	205	DLSHCQERIMK			Carbamidomethyl (C)[5]	Mascot		
	1486.8087	1486.736	-0.0727	-49	281	293	TPVVPIKADYMPR				Mascot		
	1515.7478	1515.6962	-0.0516	-34	744	756	VFGQEVAYVNFDK	105	100		Mascot		
	1515.7478	1515.6962	-0.0516	-34	744	756	VFGQEVAYVNFDK				Mascot		
	1751.9724	1751.9039	-0.0685	-39	757	772	TIIEEAIPMTGPKPR				Mascot		
	1767.9673	1767.9034	-0.0639	-36	757	772	TIIEEAIPMTGPKPR			Oxidation (M)[9]	Mascot		
	2174.1968	2174.1145	-0.0823	-38	781	800	ALQEGVAFQYAKPLLAEE VR	165	100		Mascot		
	2174.1968	2174.1145	-0.0823	-38	781	800	ALQEGVAFQYAKPLLAEE VR				Mascot		
	2233.2009	2233.0156	-0.1853	-83	604	625	SLTRITAPDMAYVAGAAN VAIK				Mascot		
10	vitellogenin 5 [Danio rerio]				gi 57864785		72820.8	9	7	284	100	267	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1241.6083	1241.5652	-0.0431	-35	137	146	LESMTYEQLK						Mascot
1257.6031	1257.5604	-0.0427	-34	137	146	LESMTYEQLK				Oxidation (M)[4]		Mascot
1324.5975	1324.6425	0.045	34	376	388	NTPVSSESSSSSR						Mascot
1324.5975	1324.6425	0.045	34	376	388	NTPVSSESSSSSR						Mascot
1515.7478	1515.6962	-0.0516	-34	42	54	VFGQEVAYVNFDK	105	100				Mascot
1515.7478	1515.6962	-0.0516	-34	42	54	VFGQEVAYVNFDK						Mascot
1549.8373	1549.7819	-0.0554	-36	28	41	ALPTDRPLASAYFK						Mascot
1737.9568	1737.8981	-0.0587	-34	55	70	SIIEEAIPMTGPKPR						Mascot
1753.9517	1753.8953	-0.0564	-32	55	70	SIIEEAIPMTGPKPR				Oxidation (M)[9]		Mascot
2188.2124	2188.1277	-0.0847	-39	79	98	ALQEGIAFQYAKPLLAEE VR						Mascot
2577.3923	2577.3083	-0.084	-33	206	229	VEALPVELPEHIASASFET LAVVR						Mascot
2577.3923	2577.3083	-0.084	-33	206	229	VEALPVELPEHIASASFET LAVVR	162	100				Mascot

11 Zgc:136383 protein [Danio rerio] gi|159155252 123957.1 8.78 8 191 100 180 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
890.5094	890.4722	-0.0372	-42	202	209	FSTVPALR						Mascot

	1070.4861	1070.4473	-0.0388	-36	698	706	NIEDHSAER	74	100				Mascot
	1070.4861	1070.4473	-0.0388	-36	698	706	NIEDHSAER						Mascot
	1241.6083	1241.5652	-0.0431	-35	605	614	LESMTYEQLK						Mascot
	1257.6031	1257.5604	-0.0427	-34	605	614	LESMTYEQLK			Oxidation (M)[4]			Mascot
	1515.7478	1515.6962	-0.0516	-34	510	522	VFGQEVAYVNFDK	105	100				Mascot
	1515.7478	1515.6962	-0.0516	-34	510	522	VFGQEVAYVNFDK						Mascot
	1737.9568	1737.8981	-0.0587	-34	523	538	TIIEEAIPMVAGPKPR			Oxidation (M)[9]			Mascot
	2188.2124	2188.1277	-0.0847	-39	547	566	ALQEGIAFQYAKPLLAEE VR						Mascot
	2233.2009	2233.0156	-0.1853	-83	370	391	SLTRITAPDMAYVAGAAN VAIK						Mascot
	2563.3765	2563.2959	-0.0806	-31	674	697	VEALPVDLPEHIASASFE TLAVVR						Mascot
12	hypothetical protein LOC678536 [Danio rerio]					gi 160420306	148750.2	8.89	9	191	100	180	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	890.5094	890.4722	-0.0372	-42	425	432	FSTVPALR					Mascot
	1070.4861	1070.4473	-0.0388	-36	921	929	NIEDHSAER	74	100			Mascot
	1070.4861	1070.4473	-0.0388	-36	921	929	NIEDHSAER					Mascot
	1241.6083	1241.5652	-0.0431	-35	828	837	LESMTYEQLK					Mascot
	1257.6031	1257.5604	-0.0427	-34	828	837	LESMTYEQLK			Oxidation (M)[4]		Mascot
	1416.6722	1416.7604	0.0882	62	184	194	DLSHCQERIMK			Carbamidomethyl (C)[5]		Mascot
	1515.7478	1515.6962	-0.0516	-34	733	745	VFGQEVAYVNFDK	105	100			Mascot
	1515.7478	1515.6962	-0.0516	-34	733	745	VFGQEVAYVNFDK					Mascot
	1751.9724	1751.9039	-0.0685	-39	746	761	TIIEEAIPMTGPKPR					Mascot
	1767.9673	1767.9034	-0.0639	-36	746	761	TIIEEAIPMTGPKPR			Oxidation (M)[9]		Mascot
	2188.2124	2188.1277	-0.0847	-39	770	789	ALQEGIAFQYAKPLLAEE VR					Mascot
	2233.2009	2233.0156	-0.1853	-83	593	614	SLTRITAPDMAYVAGAAN VAIK					Mascot
	2563.3765	2563.2959	-0.0806	-31	897	920	VEALPVDLPEHIASASFE TLAVVR					Mascot

13	UDP glucuronosyltransferase 5 family, polypeptide A4 [Danio rerio]					gi 294610624	60011.8	8.17	9	47	7.024	18	0
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	868.4999	868.4923	-0.0076	-9	49	56	GHSITVVR	18	0			Mascot
	868.4999	868.4923	-0.0076	-9	49	56	GHSITVVR					Mascot

	890.5345	890.4722	-0.0623	-70	421	428	AVFLEALK										Mascot
	1051.5354	1051.6758	0.1404	134	1	9	MTHPSTHLK										Mascot
	1067.5303	1067.6178	0.0875	82	1	9	MTHPSTHLK				Oxidation (M)[1]						Mascot
	1486.7584	1486.736	-0.0224	-15	446	457	LHHDQPMKPLDR										Mascot
	1553.8297	1553.6481	-0.1816	-117	458	469	AIFWIEFVMRNK										Mascot
	1723.9199	1723.8816	-0.0383	-22	25	39	LLVVPVDGSHWINMK				Oxidation (M)[14]						Mascot
	1723.9199	1723.8816	-0.0383	-22	25	39	LLVVPVDGSHWINMK				Oxidation (M)[14]						Mascot
	2188.1694	2188.1277	-0.0417	-19	20	39	SHAGKLLVVPVDGSHWINMK										Mascot
	2225.2297	2225.0374	-0.1923	-86	1	19	MTHPSTHLKFLLLCVLSR				Oxidation (M)[1]						Mascot
	3089.4814	3089.4919	0.0105	3	116	141	FTEIHQEICKMTATMFENVTLMNTLK				Oxidation (M)[11]						Mascot
14	hypothetical protein LOC567623 [Danio rerio]				gi 162138968			37987.1	6.31	8	45	0	11	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1186.5634	1186.5034	-0.06	-51	320	330	DKNNHCGVATK					Mascot
1346.6448	1346.6198	-0.025	-19	38	48	SYHEDVEVGRR					Mascot
1430.6594	1430.7507	0.0913	64	89	100	QAMNGYKHDPNR					Mascot
1498.7173	1498.6686	-0.0487	-32	196	208	GLDSEQSYPYLAR					Mascot
1727.8096	1727.7126	-0.097	-56	33	47	SQHGKSYHEDVEVGR					Mascot
2174.0989	2174.1145	0.0156	7	277	297	LDHAVLVVGYGYQGADVAGNR	11	0			Mascot
2174.0989	2174.1145	0.0156	7	277	297	LDHAVLVVGYGYQGADVAGNR					Mascot
2278.0015	2277.9265	-0.075	-33	135	154	QCGSCWSFSSTGALEGQLFR			Carbamidomethyl (C)[2,5]		Mascot
2649.1819	2649.2666	0.0847	32	132	154	DQKQCGSCWSFSSTGAL EGQLFR			Carbamidomethyl (C)[5,8]		Mascot

15 cathepsin L, 1 b [Danio rerio] gi|18858809 38005.1 5.99 7 41 0 11 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1186.5634	1186.5034	-0.06	-51	320	330	DKNNHCGVATK					Mascot
1346.6448	1346.6198	-0.025	-19	38	48	SYHEDVEVGRR					Mascot
1498.7173	1498.6686	-0.0487	-32	196	208	GLDSEQSYPYLAR					Mascot
1727.8096	1727.7126	-0.097	-56	33	47	SQHGKSYHEDVEVGR					Mascot
2174.0989	2174.1145	0.0156	7	277	297	LDHAVLVVGYGYQGADVAGNR	11	0			Mascot
2174.0989	2174.1145	0.0156	7	277	297	LDHAVLVVGYGYQGADV					Mascot

	2278.0015	2277.9265	-0.075	-33	135	154	AGNR QCGSCWSFSSTGALEG QLFR						Carbamidomethyl (C)[2,5]	Mascot
	2649.1819	2649.2666	0.0847	32	132	154	DQKQCGSCWSFSSTGAL EGQLFR						Carbamidomethyl (C)[5,8]	Mascot
16	PREDICTED: cathepsin L1-like isoform 1 [Danio rerio] gi 189525868 37946.1 6.14 7 40 0 11 0													

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1186.5634	1186.5034	-0.06	-51	320	330	DKNNHCGVATK					Mascot
1346.6448	1346.6198	-0.025	-19	38	48	SYHEDVEVGRR					Mascot
1498.7173	1498.6686	-0.0487	-32	196	208	GLDSEQSYPYLAR					Mascot
1727.8096	1727.7126	-0.097	-56	33	47	SQHGKSYHEDVEVGR					Mascot
2174.0989	2174.1145	0.0156	7	277	297	LDHAVLVVGYGYQGADV AGNR	11	0			Mascot
2174.0989	2174.1145	0.0156	7	277	297	LDHAVLVVGYGYQGADV AGNR					Mascot
2278.0015	2277.9265	-0.075	-33	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]		Mascot
2649.1819	2649.2666	0.0847	32	132	154	DQKQCGSCWSFSSTGAL EGQLFR			Carbamidomethyl (C)[5,8]		Mascot

17 PREDICTED: interferon-induced guanylate-binding protein 1-like [Danio rerio]

gi|326675865 83627.1 5.6 13 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4114	842.4785	0.0671	80	382	389	DGHTVTGR					Mascot
890.4213	890.4722	0.0509	57	496	503	ENDQASVK					Mascot
1051.5895	1051.6758	0.0863	82	151	159	TGKSYLLNR					Mascot
1416.8461	1416.7604	-0.0857	-60	555	566	AEVVLQEFLKLK					Mascot
1470.702	1470.7328	0.0308	21	179	190	GIWMWCVPHPTK			Oxidation (M)[4]		Mascot
1478.7494	1478.7483	-0.0011	-1	314	325	VMEFNLPRECIK					Mascot
1498.6917	1498.6686	-0.0231	-15	667	678	ADLMKQEMEEFK					Mascot
1514.6865	1514.6902	0.0037	2	667	678	ADLMKQEMEEFK			Oxidation (M)[4]		Mascot
1537.6492	1537.6732	0.024	16	709	719	MMMEQHRQQMR			Oxidation (M)[1,2]		Mascot
1549.7025	1549.7819	0.0794	51	367	378	FCTCVYEKSEVK			Carbamidomethyl (C)[2,4]		Mascot
1553.644	1553.6481	0.0041	3	709	719	MMMEQHRQQMR			Oxidation (M)[1,2,3]		Mascot
1703.8058	1703.9121	0.1063	62	458	472	LSQSATQTFMAESFR					Mascot
1737.8258	1737.8981	0.0723	42	720	736	EIQRSSGGGSGLLCSVM			Carbamidomethyl (C)[14]		Mascot
1753.8867	1753.8953	0.0086	5	443	457	AFPLELEQVSAEHQR					Mascot
2577.2441	2577.3083	0.0642	25	522	543	QGFYAKPGGYDVFCRDL			Carbamidomethyl (C)[14]		Mascot

		2577.2441	2577.3083	0.0642	25	522	EDIVK QGFYAKPGGYDVFCRDL EDIVK					Carbamidomethyl (C)[14]		Mascot
18	PREDICTED: chondroitin sulfate N-acetylgalactosaminyltransferase 1-like [Danio rerio]						gi 326671029	62803.2	9.11	8	38	0	16	0
Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification		Rank Result Type
		868.4634	868.4923	0.0289	33	151	158 AEVHTGVR			16	0			Mascot
		868.4634	868.4923	0.0289	33	151	158 AEVHTGVR							Mascot
		1324.5449	1324.6425	0.0976	74	443	453 DFGFGMTCQYR							Mascot
		1324.5449	1324.6425	0.0976	74	443	453 DFGFGMTCQYR							Mascot
		1416.7018	1416.7604	0.0586	41	468	479 GWGGEDVHLYRK							Mascot
		1537.7402	1537.6732	-0.067	-44	301	312 QFMHNFREVCVK							Mascot
		1553.7351	1553.6481	-0.087	-56	301	312 QFMHNFREVCVK					Oxidation (M)[3]		Mascot
		1737.8073	1737.8981	0.0908	52	327	341 DQMNEVKGTELETSR					Oxidation (M)[3]		Mascot
		1753.9119	1753.8953	-0.0166	-9	223	238 ASKVYTPSDFIEGLAR							Mascot
		2174.1245	2174.1145	-0.01	-5	48	73 AGGMALAGGPSRPGGV GGAPVGPAGR							Mascot
		2174.1245	2174.1145	-0.01	-5	48	73 AGGMALAGGPSRPGGV GGAPVGPAGR							Mascot
		2577.3704	2577.3083	-0.0621	-24	276	298 SELVETSHMPINIVLPLSQ RADK							Mascot
		2577.3704	2577.3083	-0.0621	-24	276	298 SELVETSHMPINIVLPLSQ RADK							Mascot
19	hypothetical protein LOC564979 [Danio rerio]						gi 157311713	38002.1	6.31	7	37	0	11	0
Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	% Modification		Rank Result Type
		1346.6448	1346.6198	-0.025	-19	38	48 SYHEDVEVGRR							Mascot
		1430.6594	1430.7507	0.0913	64	89	100 QAMNGYKHDPNR							Mascot
		1498.7173	1498.6686	-0.0487	-32	196	208 GLDSEQSYPYLAR							Mascot
		1727.8096	1727.7126	-0.097	-56	33	47 SQHGKSYHEDVEVGR							Mascot
		2174.0989	2174.1145	0.0156	7	277	297 LDHAVLVVGYGYQGADV AGNR			11	0			Mascot
		2174.0989	2174.1145	0.0156	7	277	297 LDHAVLVVGYGYQGADV AGNR							Mascot
		2278.0015	2277.9265	-0.075	-33	135	154 QCGSCWSFSSTGALEG QLFR					Carbamidomethyl (C)[2,5]		Mascot
		2649.1819	2649.2666	0.0847	32	132	154 DQKQCGSCWSFSSTGAL EQQLFR					Carbamidomethyl (C)[5,8]		Mascot
20	hypothetical protein LOC564906 [Danio rerio]						gi 156739281	38003.1	6.31	7	37	0	11	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
1346.6448	1346.6198	-0.025	-19	38	48	SYHEDVEVGRR				Mascot
1430.6594	1430.7507	0.0913	64	89	100	QAMNGYKHDPNR				Mascot
1498.7173	1498.6686	-0.0487	-32	196	208	GLDSEQSYPYLAR				Mascot
1727.8096	1727.7126	-0.097	-56	33	47	SQHGKSYHEDVEVGR				Mascot
2174.0989	2174.1145	0.0156	7	276	296	LDHAVLVVGYGYQGADV AGNR	11	0		Mascot
2174.0989	2174.1145	0.0156	7	276	296	LDHAVLVVGYGYQGADV AGNR				Mascot
2278.0015	2277.9265	-0.075	-33	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]	Mascot
2649.1819	2649.2666	0.0847	32	132	154	DQKQCGSCWSFSSTGAL EGQLFR			Carbamidomethyl (C)[5,8]	Mascot
21	propionyl-CoA carboxylase beta chain, mitochondrial [Danio rerio]				gi 47086189	60751.7	7.54	10	36	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
882.4866	882.5331	0.0465	53	2	8	ATYKLMR				Mascot
1292.6515	1292.6134	-0.0381	-29	377	389	VASGCLDINSSVK				Mascot
1324.5951	1324.6425	0.0474	36	300	311	DSAPVVECHDPR				Mascot
1324.5951	1324.6425	0.0474	36	300	311	DSAPVVECHDPR				Mascot
1360.5144	1360.63	0.1156	85	106	117	CSDFGMEADQNK			Oxidation (M)[6]	Mascot
1470.7845	1470.7328	-0.0517	-35	363	376	MNGRTVGIVGNQPK				Mascot
1486.7794	1486.736	-0.0434	-29	363	376	MNGRTVGIVGNQPK			Oxidation (M)[1]	Mascot
1675.8511	1675.8807	0.0296	18	118	133	YPGDSVVTGQGRINGR				Mascot
1745.8527	1745.8713	0.0186	11	329	343	AYDMLDIVHGIVDER				Mascot
1751.774	1751.9039	0.1299	74	543	557	QTNPCFRAFHNSICG			Carbamidomethyl (C)[5]	Mascot
1761.8477	1761.858	0.0103	6	329	343	AYDMLDIVHGIVDER			Oxidation (M)[4]	Mascot
2561.2883	2561.2615	-0.0268	-10	157	181	ICKIMDQAMLVGAPVIGL NDSGGAR			Oxidation (M)[5,9]	Mascot
2577.0979	2577.3083	0.2104	82	106	129	CSDFGMEADQNKYPGD SVVTGQGR			Oxidation (M)[6]	Mascot
2577.0979	2577.3083	0.2104	82	106	129	CSDFGMEADQNKYPGD SVVTGQGR			Oxidation (M)[6]	Mascot
22	ephrin-B2a precursor [Danio rerio]				gi 18858593	36700.6	8.32	8	35	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type

	880.3981	880.4886	0.0905	103	1	7	MGDSLWR		Oxidation (M)[1]		Mascot		
	882.4786	882.5331	0.0545	62	154	160	SMKIIMK		Oxidation (M)[2,6]		Mascot		
	890.4222	890.4722	0.05	56	55	61	MDIVCPR		Carbamidomethyl (C)[5]		Mascot		
	1067.5044	1067.6178	0.1134	106	173	181	DYPTSYPPK				Mascot		
	1723.9412	1723.8816	-0.0596	-35	157	172	IIMKVGQNPSDPISPK				Mascot		
	1723.9412	1723.8816	-0.0596	-35	157	172	IIMKVGQNPSDPISPK				Mascot		
	1739.936	1739.8815	-0.0545	-31	157	172	IIMKVGQNPSDPISPK		Oxidation (M)[3]		Mascot		
	1739.936	1739.8815	-0.0545	-31	157	172	IIMKVGQNPSDPISPK		Oxidation (M)[3]		Mascot		
	2278.0188	2277.9265	-0.0923	-41	55	74	MDIVCPRVEGGSMEGVE YYK		Oxidation (M)[1]		Mascot		
	2561.3254	2561.2615	-0.0639	-25	39	61	FVPGQGLVLYPQIGDKM DIVCPR		Oxidation (M)[17]		Mascot		
	2610.1333	2610.3101	0.1768	68	128	151	DYYIISTSNGTMEGLDNQ EGGVCK		Oxidation (M)[12]		Mascot		
23	PREDICTED: coronin-2B [Danio rerio]				gi 292627941		53560.2	7.91	9	34	0	3	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.5519	882.5331	-0.0188	-21	199	205	LRIIDPR					Mascot
1346.6191	1346.6198	0.0007	1	78	89	VCGHQGSVMDIK			Carbamidomethyl (C)[2], Oxidation (M)[9]		Mascot
1416.7338	1416.7604	0.0266	19	310	322	SAAPQKSLCVMPK			Carbamidomethyl (C)[9]		Mascot
1501.8082	1501.7494	-0.0588	-39	157	169	ILMWNLEEGVAVK					Mascot
1723.9636	1723.8816	-0.082	-48	120	134	NLTEALMILIGHSR					Mascot
1723.9636	1723.8816	-0.082	-48	119	133	RNLTEALMILIGHSR	5	0			Mascot
1739.9585	1739.8815	-0.077	-44	120	134	NLTEALMILIGHSR			Oxidation (M)[7]		Mascot
1739.9585	1739.8815	-0.077	-44	119	133	RNLTEALMILIGHSR			Oxidation (M)[8]		Mascot
2173.9529	2174.1145	0.1616	74	90	108	WSPFMDNIIASSSEDCTV R			Oxidation (M)[5]		Mascot
2173.9529	2174.1145	0.1616	74	90	108	WSPFMDNIIASSSEDCTV R			Oxidation (M)[5]		Mascot
2211.0435	2211.0303	-0.0132	-6	71	89	VDPHYPRVCGHQGSVM DIK			Carbamidomethyl (C)[9], Oxidation (M)[16]		Mascot
2609.2639	2609.3152	0.0513	20	134	156	RVGLIEWHPTCSGILFSA GYDCK			Carbamidomethyl (C)[11]		Mascot

24 heart and neural crest derivatives expressed transcript 2 [Danio rerio] gi|122890476 22939.4 9.11 6 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4955	842.4785	-0.017	-20	89	95	RPTANRK					Mascot
1186.5773	1186.5034	-0.0739	-62	112	122	ECIPNVPADTK					Mascot

	1514.7883	1514.6902	-0.0981	-65	112	125	ECIPNVPADTKLSK									Mascot
	1745.903	1745.8713	-0.0317	-18	131	145	LATSYIAYLMDILDK						Oxidation (M)[10]			Mascot
	2561.2664	2561.2615	-0.0049	-2	100	122	TQSINSAFAELRECIPNVP ADTK						Carbamidomethyl (C)[14]			Mascot
	2577.2205	2577.3083	0.0878	34	2	25	SLVGGFPHHPVMHHDGY SFAAASR									Mascot
	2577.2205	2577.3083	0.0878	34	2	25	SLVGGFPHHPVMHHDGY SFAAASR									Mascot
25	UDP glucuronosyltransferase 5 family, polypeptide A3 [Danio rerio]						gi 294610630	59748.5	7.33	6	33	0	18	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
868.4999	868.4923	-0.0076	-9	48	55	GHSITVVR	18	0			Mascot
868.4999	868.4923	-0.0076	-9	48	55	GHSITVVR					Mascot
890.5345	890.4722	-0.0623	-70	420	427	AVFLEALK					Mascot
1486.7584	1486.736	-0.0224	-15	445	456	LHHDQPMKPLDR					Mascot
1553.8297	1553.6481	-0.1816	-117	457	468	AIFWIEFVMRNK					Mascot
1723.9199	1723.8816	-0.0383	-22	24	38	LLVVPVEGSHWVNMK			Oxidation (M)[14]		Mascot
1723.9199	1723.8816	-0.0383	-22	24	38	LLVVPVEGSHWVNMK			Oxidation (M)[14]		Mascot
2232.9941	2233.0156	0.0215	10	202	218	MTFSQRVMNMMTYIMIR			Oxidation (M)[1,8,10,11,15]		Mascot

26	PREDICTED: tyrosine-protein kinase CSK-like [Danio rerio]						gi 326680263	34320.7	8.63	8	33	0				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1360.5837	1360.63	0.0463	34	58	69	GEFGDVMVGDYR			Oxidation (M)[7]		Mascot
1486.8046	1486.736	-0.0686	-46	13	25	DADGLCTRLIKPK			Carbamidomethyl (C)[6]		Mascot
1529.7052	1529.712	0.0068	4	58	71	GEFGDVMVGDYRGK					Mascot
1553.7264	1553.6481	-0.0783	-50	26	39	IMEGTVAAQDEFSR					Mascot
1727.9286	1727.7126	-0.216	-125	168	183	DLAARNVLVSEDNIAK					Mascot
1751.8018	1751.9039	0.1021	58	5	20	DGVTHYTKDADGLCTR					Mascot
2187.9758	2188.1277	0.1519	69	256	274	GKMDSPDGCPPVYDI MK			Carbamidomethyl (C)[10], Oxidation (M)[4]		Mascot
2278.1787	2277.9265	-0.2522	-111	114	133	GSLYIVTEYMAKGLVDY LR					Mascot

27	Znf622 protein [Danio rerio]						gi 46249981	53184.6	5.65	10	33	0				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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			Seq.		Seq.		Score							
	868.4635	868.4923	0.0288	33	105	111	HQQAEEKK							Mascot
	868.4635	868.4923	0.0288	33	105	111	HQQAEEKK							Mascot
	890.4954	890.4722	-0.0232	-26	388	394	QRFGVQR							Mascot
	1051.5208	1051.6758	0.155	147	414	423	ALGWTGDFGK							Mascot
	1164.5643	1164.5232	-0.0411	-35	22	31	VQFSDGEVQR	4		0				Mascot
	1164.5643	1164.5232	-0.0411	-35	22	31	VQFSDGEVQR							Mascot
	1360.7808	1360.63	-0.1508	-111	395	407	ALVPAHNQKAVGR							Mascot
	1470.7375	1470.7328	-0.0047	-3	411	423	QYKALGWTGDFGK							Mascot
	1703.8058	1703.9121	0.1063	62	47	61	VADMPPVTAENFQER							Mascot
	1739.7983	1739.8815	0.0832	48	90	104	FSTDNAYTNHIQSNK							Mascot
	1739.7983	1739.8815	0.0832	48	90	104	FSTDNAYTNHIQSNK							Mascot
	1761.7848	1761.858	0.0732	42	343	358	DGVDVEMKDGELPDDK							Mascot
	2625.1714	2625.2866	0.1152	44	314	335	SHCKLFTDGDAALEFADF YDFR					Carbamidomethyl (C)[3]		Mascot
28	Zgc:171831 [Danio rerio]				gi 213624822		79943.7	4.77	2	33	0	33	86.422	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1164.6228	1164.5232	-0.0996	-86	135	144	TCIVKMGVTR	33	86.422	Carbamidomethyl (C)[2]	Mascot
1164.6228	1164.5232	-0.0996	-86	135	144	TCIVKMGVTR			Carbamidomethyl (C)[2]	Mascot
1515.8754	1515.6962	-0.1792	-118	360	372	QPLLPPRKPGEQR				Mascot
1515.8754	1515.6962	-0.1792	-118	360	372	QPLLPPRKPGEQR				Mascot

29 PREDICTED: b- and T-lymphocyte attenuator-like [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
868.408	868.4923	0.0843	97	199	205	SKTEEMK		Oxidation (M)[6]		Mascot
868.408	868.4923	0.0843	97	201	207	TEEMKSK		Oxidation (M)[4]		Mascot
882.4138	882.5331	0.1193	135	76	82	LYGQNCK		Carbamidomethyl (C)[6]		Mascot
996.5472	996.5591	0.0119	12	83	91	ALNHSDVIK				Mascot
1751.8971	1751.9039	0.0068	4	68	82	IPVISWCKLYGQNCK				Mascot
2561.2705	2561.2615	-0.009	-4	206	227	SKNQYMETQSSDLLPPP LPYPR				Mascot
2577.2654	2577.3083	0.0429	17	206	227	SKNQYMETQSSDLLPPP LPYPR		Oxidation (M)[6]		Mascot

	2577.2654	2577.3083	0.0429	17	206	227	SKNQYMETQSSDLLPPP LPYPR						Oxidation (M)[6]		Mascot
	2607.2031	2607.3181	0.115	44	98	120	TENEGMAFLIFQNVSIED AGSYR						Oxidation (M)[6]		Mascot
30	RecName: Full=Sodium channel modifier 1				gi 126360403		28734.4	9.18	7	32	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1067.4963	1067.6178	0.1215	114	135	144	ASERSESSSK						Mascot	
1257.6005	1257.5604	-0.0401	-32	148	158	NDLANSHLSMR						Mascot	
1487.77	1487.7902	0.0202	14	6	18	EGDDQSQLNILKK						Mascot	
1514.7809	1514.6902	-0.0907	-60	102	115	QEPSSSAPLLTQTR						Mascot	
1515.7761	1515.6962	-0.0799	-53	5	17	REGDDQSQLNILK						Mascot	
1515.7761	1515.6962	-0.0799	-53	5	17	REGDDQSQLNILK						Mascot	
2625.0669	2625.2866	0.2197	84	227	249	DENVEFDSDEEPTLLPP CSESS				Carbamidomethyl (C)[19]		Mascot	
2649.2734	2649.2666	-0.0068	-3	42	63	YSCLVCSHRPVFDTVDM LVVHR				Carbamidomethyl (C)[3], Oxidation (M)[17]		Mascot	

31	novel protein similar to protein tyrosine phosphatase, receptor type, U (ptpru) [Danio rerio]				gi 220673248		84494.5	7.29	8	32	0	15	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
880.4159	880.4886	0.0727	83	189	195	GEQDLR						Mascot	
1164.583	1164.5232	-0.0598	-51	150	158	TDPFLMERR	15		0			Mascot	
1164.583	1164.5232	-0.0598	-51	150	158	TDPFLMERR						Mascot	
1324.7041	1324.6425	-0.0616	-47	718	728	VNINKAVMTYR				Oxidation (M)[8]		Mascot	
1324.7041	1324.6425	-0.0616	-47	718	728	VNINKAVMTYR				Oxidation (M)[8]		Mascot	
1338.6722	1338.6577	-0.0145	-11	147	157	SVKTDPFIMER				Oxidation (M)[9]		Mascot	
1487.823	1487.7902	-0.0328	-22	176	188	RLVAWFQVGGAQR						Mascot	
1553.7302	1553.6481	-0.0821	-53	357	373	YSTATGGGAGGNATVR						Mascot	
2202.1118	2202.0251	-0.0867	-39	312	330	CAEPMRPLRGLTATEIQS R				Carbamidomethyl (C)[1], Oxidation (M)[5]		Mascot	
2211.2034	2211.0303	-0.1731	-78	389	408	DLPPFHTVHVRLALANPE GK						Mascot	

32	Scnm1 protein [Danio rerio]				gi 60552836		31375.8	9.45	7	32	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
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	1067.4963	1067.6178	0.1215	114	156	165	ASERSESSSK										Mascot
	1487.77	1487.7902	0.0202	14	27	39	EGDDQSQLNILKK										Mascot
	1514.7809	1514.6902	-0.0907	-60	123	136	QEPSSSAPLLTQTR										Mascot
	1515.7761	1515.6962	-0.0799	-53	26	38	REGDDQSQLNILK										Mascot
	1515.7761	1515.6962	-0.0799	-53	26	38	REGDDQSQLNILK										Mascot
	1739.8395	1739.8815	0.042	24	166	179	EHRNDLANFHLSMR										Mascot
	1739.8395	1739.8815	0.042	24	166	179	EHRNDLANFHLSMR										Mascot
	2625.0669	2625.2866	0.2197	84	248	270	DENVEFDSDEEPTLLPP CSESS						Carbamidomethyl (C)[19]				Mascot
	2649.2734	2649.2666	-0.0068	-3	63	84	YSCLVCSHRPVFDTVDM LVVHR						Carbamidomethyl (C)[3], Oxidation (M)[17]				Mascot

33 UDP glucuronosyltransferase 5 family, polypeptide A2 [Danio rerio] gi|115529319 59861.6 7.73 6 32 0 18 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
868.4999	868.4923	-0.0076	-9	48	55	GHSITVVR	18	0			Mascot
868.4999	868.4923	-0.0076	-9	48	55	GHSITVVR					Mascot
890.5345	890.4722	-0.0623	-70	420	427	AVFLEALK					Mascot
1486.7584	1486.736	-0.0224	-15	445	456	LHHDQPMKPLDR					Mascot
1553.8297	1553.6481	-0.1816	-117	457	468	AIFWIEFVMRNK					Mascot
1723.9199	1723.8816	-0.0383	-22	24	38	LLVVPVEGSHWVNMK			Oxidation (M)[14]		Mascot
1723.9199	1723.8816	-0.0383	-22	24	38	LLVVPVEGSHWVNMK			Oxidation (M)[14]		Mascot
2232.9941	2233.0156	0.0215	10	202	218	MTFSQVRVMNMTYIMIR			Oxidation (M)[1,8,10,11,15]		Mascot

34 immunoglobulin mu heavy chain [Danio rerio] gi|51559357 23906.6 8.05 6 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1070.5088	1070.4473	-0.0615	-57	50	57	STNMYWIR					Mascot
1070.5088	1070.4473	-0.0615	-57	50	57	STNMYWIR					Mascot
1486.7212	1486.736	0.0148	10	182	194	DLSDVQYPAFGK					Mascot
1751.8163	1751.9039	0.0876	50	63	76	GLEWIIYYSDSDK					Mascot
2225.03	2225.0374	0.0074	3	39	57	LSCACSGFTLRSTNMYWI R			Oxidation (M)[15]		Mascot
2233.0811	2233.0156	-0.0655	-29	58	76	QAPGKGLEWIIYYSDSD K					Mascot
2609.0925	2609.3152	0.2227	85	104	125	TEDSAVYYCATQGNAYF DYWGK			Carbamidomethyl (C)[9]		Mascot

35 PREDICTED: steroid 21-hydroxylase-like [Danio rerio] gi|326674810 59886.3 8.87 9 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1067.6068	1067.6178	0.011	10	160	168	RVTHSALQR					Mascot
1338.7627	1338.6577	-0.105	-78	300	312	FSKGGTLTSSLLK					Mascot
1529.6797	1529.712	0.0323	21	367	378	VYEELCCMLDVR			Carbamidomethyl (C)[6]		Mascot
1537.8116	1537.6732	-0.1384	-90	388	400	LPYLCALISEMLR			Oxidation (M)[11]		Mascot
1675.8795	1675.8807	0.0012	1	286	299	VRQIVQISTESCQK			Carbamidomethyl (C)[12]		Mascot
1745.8751	1745.8713	-0.0038	-2	181	195	QAQHLCCQLRDYSGK					Mascot
2225.1343	2225.0374	-0.0969	-44	161	180	VTLSALQRCCTDSLHSEI EK					Mascot
2561.3425	2561.2615	-0.081	-32	100	122	LNCGSTTMVVLNNSEIIR EALVK			Carbamidomethyl (C)[3]		Mascot
2577.3374	2577.3083	-0.0291	-11	100	122	LNCGSTTMVVLNNSEIIR EALVK			Carbamidomethyl (C)[3], Oxidation (M)[8]		Mascot
2577.3374	2577.3083	-0.0291	-11	100	122	LNCGSTTMVVLNNSEIIR EALVK			Carbamidomethyl (C)[3], Oxidation (M)[8]		Mascot
2627.522	2627.2815	-0.2405	-92	2	23	CFSVSVVLLLFILWMLV VKFR			Oxidation (M)[16]		Mascot
2627.522	2627.2815	-0.2405	-92	2	23	CFSVSVVLLLFILWMLV VKFR			Oxidation (M)[16]		Mascot

36 PREDICTED: hypothetical protein LOC100537461 [Danio rerio]

gi|326679433 2946.5 8.31 3 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
890.5168	890.4722	-0.0446	-50	4	10	WIISMIK					Mascot
1675.7955	1675.8807	0.0852	51	11	27	AGSSLMNLSGGAEQKP					Mascot
2563.2893	2563.2959	0.0066	3	4	27	WIISMIKAGSSLMNLSGG AEQKP			Oxidation (M)[5]		Mascot

37 PREDICTED: zinc finger protein 622 [Danio rerio]

gi|292610913 56305.1 5.71 10 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.4635	868.4923	0.0288	33	134	140	HQQAEEKK					Mascot
868.4635	868.4923	0.0288	33	134	140	HQQAEEKK					Mascot
890.4954	890.4722	-0.0232	-26	417	423	QRFGVQR					Mascot
1051.5208	1051.6758	0.155	147	443	452	ALGWTGDFGK					Mascot
1164.5643	1164.5232	-0.0411	-35	51	60	VQFSDGEVQR	4	0			Mascot
1164.5643	1164.5232	-0.0411	-35	51	60	VQFSDGEVQR					Mascot
1360.7808	1360.63	-0.1508	-111	424	436	ALVPAHNQKAVGR					Mascot

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification	Rank	Result Type	
	868.4999	868.4923	-0.0076	-9	48	55 GHSITVVR		18	0			Mascot	
	868.4999	868.4923	-0.0076	-9	48	55 GHSITVVR						Mascot	
	890.5345	890.4722	-0.0623	-70	420	427 AVFLEALK						Mascot	
	1486.7584	1486.736	-0.0224	-15	445	456 LHHDQPMKPLDR						Mascot	
	1553.8297	1553.6481	-0.1816	-117	457	468 AIFWIEFVMRNK						Mascot	
	1723.9199	1723.8816	-0.0383	-22	24	38 LLVVPVEGSHWVNMK				Oxidation (M)[14]		Mascot	
	1723.9199	1723.8816	-0.0383	-22	24	38 LLVVPVEGSHWVNMK				Oxidation (M)[14]		Mascot	
	2232.9941	2233.0156	0.0215	10	202	218 MTFSQRVMNMMTYIMIR				Oxidation (M)[1,8,10,11,15]		Mascot	
40	hypothetical protein LOC564835 [Danio rerio]				gi 157787177		38057.1	6.2	6	31	0	11	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification	Rank	Result Type
	1346.6448	1346.6198	-0.025	-19	38	48 SYHEDVEVGRR						Mascot
	1498.7173	1498.6686	-0.0487	-32	196	208 GLDSEQSYPYLAR						Mascot
	1727.8096	1727.7126	-0.097	-56	33	47 SQHGKSYHEDVEVGR						Mascot
	2174.0989	2174.1145	0.0156	7	277	297 LDHAVLVVGYGYQGADV AGNR		11	0			Mascot
	2174.0989	2174.1145	0.0156	7	277	297 LDHAVLVVGYGYQGADV AGNR						Mascot
	2278.0015	2277.9265	-0.075	-33	135	154 QCGSCWSFSSTGALEG QLFR				Carbamidomethyl (C)[2,5]		Mascot
	2649.1819	2649.2666	0.0847	32	132	154 DQKQCGSCWSFSSTGAL EQQLFR				Carbamidomethyl (C)[5,8]		Mascot
41	Znf622 protein [Danio rerio]				gi 33286946		53829.8	5.88	10	31	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	868.4635	868.4923	0.0288	33	113	119 HQQAEKK					Mascot
	868.4635	868.4923	0.0288	33	113	119 HQQAEKK					Mascot
	890.4954	890.4722	-0.0232	-26	394	400 QRFGVQR					Mascot
	1051.5208	1051.6758	0.155	147	420	429 ALGWTGDFGK					Mascot
	1164.5643	1164.5232	-0.0411	-35	30	39 VQFSDGEVQR	4	0			Mascot
	1164.5643	1164.5232	-0.0411	-35	30	39 VQFSDGEVQR					Mascot
	1360.7808	1360.63	-0.1508	-111	401	413 ALVPAHNQKAVGR					Mascot
	1470.7375	1470.7328	-0.0047	-3	417	429 QYKALGWTGDFGK					Mascot
	1703.8058	1703.9121	0.1063	62	55	69 VADMPPVTAENFQER					Mascot

1739.7983	1739.8815	0.0832	48	98	112	FSTDNAYTNHIQSNK						Mascot
1739.7983	1739.8815	0.0832	48	98	112	FSTDNAYTNHIQSNK						Mascot
1761.7848	1761.858	0.0732	42	349	364	DGVDVEMKDGELPDDK						Mascot
2625.1714	2625.2866	0.1152	44	320	341	SHCKLFTDGDAALEFADF YDFR				Carbamidomethyl (C)[3]		Mascot

42 propionyl Coenzyme A carboxylase, beta polypeptide [Danio rerio] gi|169158963 60643.8 7.96 9 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4866	882.5331	0.0465	53	2	8	ATYKLMR					Mascot
1292.6515	1292.6134	-0.0381	-29	377	389	VASGCLDINSSVK					Mascot
1324.5951	1324.6425	0.0474	36	300	311	DSAPVVECHDPR					Mascot
1324.5951	1324.6425	0.0474	36	300	311	DSAPVVECHDPR					Mascot
1360.5144	1360.63	0.1156	85	106	117	CSDFGMEADQNK			Oxidation (M)[6]		Mascot
1470.7845	1470.7328	-0.0517	-35	363	376	MNGRTVGIVGNQPK					Mascot
1486.7794	1486.736	-0.0434	-29	363	376	MNGRTVGIVGNQPK			Oxidation (M)[1]		Mascot
1675.8511	1675.8807	0.0296	18	118	133	YPGDSVVTGQGRINGR					Mascot
1745.8527	1745.8713	0.0186	11	329	343	AYDMLDIVHGIVDER					Mascot
1761.8477	1761.858	0.0103	6	329	343	AYDMLDIVHGIVDER			Oxidation (M)[4]		Mascot
2561.2883	2561.2615	-0.0268	-10	157	181	ICKIMDQAMLVGAPVIGL NDSGGAR			Oxidation (M)[5,9]		Mascot
2577.0979	2577.3083	0.2104	82	106	129	CSDFGMEADQNKYPGD SVVTGQGR			Oxidation (M)[6]		Mascot
2577.0979	2577.3083	0.2104	82	106	129	CSDFGMEADQNKYPGD SVVTGQGR			Oxidation (M)[6]		Mascot

43 PREDICTED: putative uncharacterized zinc finger protein 814 [Danio rerio] gi|189533627 40815.3 9.34 10 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
999.4386	999.464	0.0254	25	74	81	FTCVQCQCK			Carbamidomethyl (C)[3,6]		Mascot
1070.5121	1070.4473	-0.0648	-61	73	81	KFTCVQCQCK			Carbamidomethyl (C)[4]		Mascot
1070.5121	1070.4473	-0.0648	-61	73	81	KFTCVQCQCK			Carbamidomethyl (C)[4]		Mascot
1241.6493	1241.5652	-0.0841	-68	347	356	HKSCCLIVPK			Carbamidomethyl (C)[4,5]		Mascot
1324.6943	1324.6425	-0.0518	-39	145	154	FNEHMKIHIR					Mascot
1324.6943	1324.6425	-0.0518	-39	145	154	FNEHMKIHIR					Mascot
1487.8217	1487.7902	-0.0315	-21	334	346	SFSQLDSLKVHVK					Mascot
1529.6875	1529.712	0.0245	16	74	86	FTCVQCCKSYEHK					Mascot

1723.7712	1723.8816	0.1104	64	263	277	IHTGVRPYMCSDCGK	Carbamidomethyl (C)[10]	Mascot
1723.7712	1723.8816	0.1104	64	263	277	IHTGVRPYMCSDCGK	Carbamidomethyl (C)[10]	Mascot
1739.7662	1739.8815	0.1153	66	263	277	IHTGVRPYMCSDCGK	Carbamidomethyl (C)[10], Oxidation (M)[9]	Mascot
1739.7662	1739.8815	0.1153	66	263	277	IHTGVRPYMCSDCGK	Carbamidomethyl (C)[10], Oxidation (M)[9]	Mascot
1753.7784	1753.8953	0.1169	67	179	193	FHSEERPFVCSQCGK		Mascot
2188.0208	2188.1277	0.1069	49	91	109	VHMRIHTGERPFTCTDC GK		Mascot
2233.0864	2233.0156	-0.0708	-32	120	137	HVRIHTGERPFICEHCGK	Carbamidomethyl (C)[13,16]	Mascot

44 novel kinesin motor domain containing protein [Danio rerio] gi|94732475 84412.6 6.01 11 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.507	996.5591	0.0521	52	395	402	LMTFELDK					Mascot
1051.567	1051.6758	0.1088	103	462	470	LLFSEVSEK					Mascot
1186.6426	1186.5034	-0.1392	-117	578	588	LNLVDLAGSER					Mascot
1292.59	1292.6134	0.0234	18	117	126	LCDDEDTLRR			Carbamidomethyl (C)[2]		Mascot
1362.6971	1362.5961	-0.101	-74	675	687	TVEIGPSSSSRR					Mascot
1498.8588	1498.6686	-0.1902	-127	578	591	LNLVDLAGSERIAK					Mascot
1501.8333	1501.7494	-0.0839	-56	207	221	AVGGGNTEVTLRLSK					Mascot
1553.7781	1553.6481	-0.13	-84	295	306	RQVQDFPYMLEK					Mascot
1739.8771	1739.8815	0.0044	3	720	737	ASSAGSTLSSTSKTPTR					Mascot
1739.8771	1739.8815	0.0044	3	720	737	ASSAGSTLSSTSKTPTR					Mascot
2188.1389	2188.1277	-0.0112	-5	601	620	EAQCINKSLSALGDVINS L R			Carbamidomethyl (C)[4]		Mascot
2627.2048	2627.2815	0.0767	29	25	47	TSHTQTSCSAARCPHSQ DVEVLR			Carbamidomethyl (C)[8,13]		Mascot
2627.2048	2627.2815	0.0767	29	25	47	TSHTQTSCSAARCPHSQ DVEVLR			Carbamidomethyl (C)[8,13]		Mascot

45 PREDICTED: circularly permuted Ras protein 1-like [Danio rerio] gi|292615916 64939.5 5.86 1 22 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1164.5756	1164.5232	-0.0524	-45	483	491	VESFQQRDR	22	0		2	Mascot

46 PREDICTED: hypothetical protein LOC572219 [Danio rerio] gi|292613753 117863.8 9.16 1 21 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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				Seq.	Seq.		Score					
	868.525	868.4923	-0.0327	-38	777	784 VGVLPLDLR	21	0				1 Mascot
47	sodium/hydrogen exchanger 2 [Danio rerio]				gi 166197714	85316.8	8.27	1		21	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification		Rank Result Type
	1070.6066	1070.4473	-0.1593	-149	588	596 HTTIRSSLR		21	0			2 Mascot
48	novel protein similar to human and mouse scavenger receptor class A, member 3 (SCARA3) [Danio rerio]				gi 56206722	62992.7	6.1	1		19	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification		Rank Result Type
	1164.5929	1164.5232	-0.0697	-60	73	82 QMSKVEESVK		19	0			3 Mascot
49	Zgc:153649 protein [Danio rerio]				gi 116487947	59919.8	8.13	1		18	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification		Rank Result Type
	868.4999	868.4923	-0.0076	-9	48	55 GHSITVVR		18	0			2 Mascot
50	39S ribosomal protein L20, mitochondrial [Danio rerio]				gi 113679419	17280.4	11.64	1		18	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification		Rank Result Type
	868.4345	868.4923	0.0578	67	38	44 CYSLAVR		18	0	Carbamidomethyl (C)[1]		3 Mascot

Gel Idx/Pos	257/K9	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	vitellogenin 7 [Danio rerio]	gi 57864789	24318.7	8.37	16	711	100	564	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification		Rank Result Type
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826.4457	826.4082	-0.0375	-45	93	99	QYAVFAK			Mascot
831.4318	831.3849	-0.0469	-56	31	37	AVRDDQK			Mascot
855.4359	855.3989	-0.037	-43	167	173	SFDFIAR			Mascot
855.4359	855.3989	-0.037	-43	167	173	SFDFIAR	54	99.893	Mascot
900.421	900.3813	-0.0397	-44	138	145	AAYDTGFR			Mascot
900.421	900.3813	-0.0397	-44	138	145	AAYDTGFR	60	99.969	Mascot
960.4785	960.4356	-0.0429	-45	113	119	LEVEWER			Mascot
960.4785	960.4356	-0.0429	-45	113	119	LEVEWER	45	99.107	Mascot
984.4243	984.3802	-0.0441	-45	85	92	FSWGAECK		Carbamidomethyl (C)[7]	Mascot
984.4243	984.3802	-0.0441	-45	85	92	FSWGAECK	45	99.091 Carbamidomethyl (C)[7]	Mascot
1118.6238	1118.6349	0.0111	10	68	78	KICADGALLSK			Mascot
1287.6691	1287.616	-0.0531	-41	100	112	AEAGVLGEFPAAR	112	100	Mascot
1287.6691	1287.616	-0.0531	-41	100	112	AEAGVLGEFPAAR			Mascot
1332.6331	1332.5768	-0.0563	-42	138	148	AAYDTGFRFER			Mascot
1529.7917	1529.7269	-0.0648	-42	54	67	VQLIASSIAENDNR			Mascot
1529.7917	1529.7269	-0.0648	-42	54	67	VQLIASSIAENDNR	110	100	Mascot
1642.9315	1642.8578	-0.0737	-45	16	30	FLGNDLPPVFIIAR			Mascot
1657.8867	1657.8132	-0.0735	-44	54	68	VQLIASSIAENDNRK			Mascot
1826.9799	1826.8995	-0.0804	-44	38	53	LLGYQLAAYFDKPTAR	139	100	Mascot
1826.9799	1826.8995	-0.0804	-44	38	53	LLGYQLAAYFDKPTAR			Mascot
1930.0127	1929.9294	-0.0833	-43	149	166	ATNSEKEIELTAALPSQK			Mascot
2060.1426	2060.0459	-0.0967	-47	113	129	LEVEWERLPPIVTTYAK			Mascot
3337.7539	3337.6064	-0.1475	-44	38	67	LLGYQLAAYFDKPTARVQ			Mascot

Peptide Information

984.4243	984.3802	-0.0441	-45	1226	1233	FSWGAECK				Carbamidomethyl (C)[7]	Mascot
984.4243	984.3802	-0.0441	-45	1226	1233	FSWGAECK	45	99.091		Carbamidomethyl (C)[7]	Mascot
1118.6238	1118.6349	0.0111	10	1209	1219	KICADGALLSK					Mascot
1287.6691	1287.616	-0.0531	-41	1241	1253	AEAGVLGEFPAAR	112	100			Mascot
1287.6691	1287.616	-0.0531	-41	1241	1253	AEAGVLGEFPAAR					Mascot
1332.6331	1332.5768	-0.0563	-42	1279	1289	AAYDTGFRFER					Mascot
1347.7882	1347.6812	-0.107	-79	1111	1122	LSKTATIIIEPFK					Mascot
1529.7917	1529.7269	-0.0648	-42	1195	1208	VQLIASSIAENDNR					Mascot
1529.7917	1529.7269	-0.0648	-42	1195	1208	VQLIASSIAENDNR	110	100			Mascot
1642.9315	1642.8578	-0.0737	-45	1157	1171	FLGNDLPPVFIIAR					Mascot
1657.8867	1657.8132	-0.0735	-44	1195	1209	VQLIASSIAENDNRK					Mascot
1826.9799	1826.8995	-0.0804	-44	1179	1194	LLGYQLAAYFDKPTAR	139	100			Mascot
1826.9799	1826.8995	-0.0804	-44	1179	1194	LLGYQLAAYFDKPTAR					Mascot
1930.0127	1929.9294	-0.0833	-43	1290	1307	ATNSEKEIELTAALPSQK					Mascot
2060.1426	2060.0459	-0.0967	-47	1254	1270	LEVEWERLPIIVTTYAK					Mascot
3337.7539	3337.6064	-0.1475	-44	1179	1208	LLGYQLAAYFDKPTARVQ LIASSIAENDNR					Mascot

3 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94732723 147084.2 8.73 17 594 100 564 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
821.4628	821.4199	-0.0429	-52	545	551 ALHPEVR					Mascot
826.4457	826.4082	-0.0375	-45	1219	1225 QYAVFAK					Mascot
831.4318	831.3849	-0.0469	-56	1157	1163 AVRDDQK					Mascot
855.4359	855.3989	-0.037	-43	1293	1299 SFDFIAR					Mascot
855.4359	855.3989	-0.037	-43	1293	1299 SFDFIAR	54	99.893			Mascot
900.421	900.3813	-0.0397	-44	1264	1271 AAYDTGFR					Mascot
900.421	900.3813	-0.0397	-44	1264	1271 AAYDTGFR	60	99.969			Mascot
960.4785	960.4356	-0.0429	-45	1239	1245 LEVEWER					Mascot
960.4785	960.4356	-0.0429	-45	1239	1245 LEVEWER	45	99.107			Mascot
984.4243	984.3802	-0.0441	-45	1211	1218 FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.3802	-0.0441	-45	1211	1218 FSWGAECK	45	99.091	Carbamidomethyl (C)[7]		Mascot
1118.6238	1118.6349	0.0111	10	1194	1204 KICADGALLSK					Mascot
1287.6691	1287.616	-0.0531	-41	1226	1238 AEAGVLGEFPAAR	112	100			Mascot
1287.6691	1287.616	-0.0531	-41	1226	1238 AEAGVLGEFPAAR					Mascot
1332.6331	1332.5768	-0.0563	-42	1264	1274 AAYDTGFRFER					Mascot

1529.7917	1529.7269	-0.0648	-42	1180	1193	VQLIASSIAENDNR										Mascot
1529.7917	1529.7269	-0.0648	-42	1180	1193	VQLIASSIAENDNR	110	100								Mascot
1642.9315	1642.8578	-0.0737	-45	1142	1156	FLGNDLPPVFIIAR										Mascot
1657.8867	1657.8132	-0.0735	-44	1180	1194	VQLIASSIAENDNRK										Mascot
1826.9799	1826.8995	-0.0804	-44	1164	1179	LLGYQLAAYFDKPTAR	139	100								Mascot
1826.9799	1826.8995	-0.0804	-44	1164	1179	LLGYQLAAYFDKPTAR										Mascot
1930.0127	1929.9294	-0.0833	-43	1275	1292	ATNSEKEIELTAALPSQK										Mascot
2060.1426	2060.0459	-0.0967	-47	1239	1255	LEVEWERLPIIVTTYAK										Mascot
3337.7539	3337.6064	-0.1475	-44	1164	1193	LLGYQLAAYFDKPTARVQ LIASSIAENDNR										Mascot

4 Vtg1 protein [Danio rerio] gi|63100501 36409.1 9.23 12 479 100 407 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4082	-0.0375	-45	198	204	QYAVFAK					Mascot
960.4785	960.4356	-0.0429	-45	218	224	LEVEWER					Mascot
960.4785	960.4356	-0.0429	-45	218	224	LEVEWER	45	99.107			Mascot
976.5322	976.4303	-0.1019	-104	25	32	FSSVPRQR					Mascot
984.4243	984.3802	-0.0441	-45	190	197	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.3802	-0.0441	-45	190	197	FSWGAECK	45	99.091	Carbamidomethyl (C)[7]		Mascot
1118.682	1118.6349	-0.0471	-42	225	234	LPIIVTTYAK					Mascot
1287.6691	1287.616	-0.0531	-41	205	217	AEAGVLGEFPAAR	112	100			Mascot
1287.6691	1287.616	-0.0531	-41	205	217	AEAGVLGEFPAAR					Mascot
1364.6957	1364.6395	-0.0562	-41	239	250	HILTAAYDTGFR	68	99.996			Mascot
1364.6957	1364.6395	-0.0562	-41	239	250	HILTAAYDTGFR					Mascot
1642.9315	1642.8578	-0.0737	-45	121	135	FLGNDIPPVFIIAR					Mascot
1826.9799	1826.8995	-0.0804	-44	143	158	LLGYQLAAYFDKPTAR	139	100			Mascot
1826.9799	1826.8995	-0.0804	-44	143	158	LLGYQLAAYFDKPTAR					Mascot
1958.0189	1957.928	-0.0909	-46	254	271	ATNSEKEIELTAALPSQR					Mascot
2060.1426	2060.0459	-0.0967	-47	218	234	LEVEWERLPIIVTTYAK					Mascot
2705.3848	2705.04	-0.3448	-127	159	183	VQLIVSSIAENDNMKICAD GALLSK			Carbamidomethyl (C)[17], Oxidation (M)[14]		Mascot

5 vitellogenin 1 [Danio rerio] gi|21391472 127954.2 8.69 14 443 100 409 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
821.4628	821.4199	-0.0429	-52	354	360	ALHPEVR					Mascot

		826.4457	826.4082	-0.0375	-45	1045	1051	QYAVFAK						Mascot
		960.4785	960.4356	-0.0429	-45	1065	1071	LEVEWER						Mascot
		960.4785	960.4356	-0.0429	-45	1065	1071	LEVEWER	45	99.107				Mascot
		984.4243	984.3802	-0.0441	-45	1037	1044	FSWGAECK			Carbamidomethyl (C)[7]			Mascot
		984.4243	984.3802	-0.0441	-45	1037	1044	FSWGAECK	45	99.091	Carbamidomethyl (C)[7]			Mascot
		1118.682	1118.6349	-0.0471	-42	1072	1081	LPIIVTTYAK						Mascot
		1287.6691	1287.616	-0.0531	-41	1052	1064	AEAGVLGEFPAAR	112	100				Mascot
		1287.6691	1287.616	-0.0531	-41	1052	1064	AEAGVLGEFPAAR						Mascot
		1364.6957	1364.6395	-0.0562	-41	1086	1097	HILTAAYDTGFR	68	99.996				Mascot
		1364.6957	1364.6395	-0.0562	-41	1086	1097	HILTAAYDTGFR						Mascot
		1382.7889	1382.7214	-0.0675	-49	112	124	ISDAPAQIVEVLK						Mascot
		1382.7889	1382.7214	-0.0675	-49	112	124	ISDAPAQIVEVLK						Mascot
		1642.9315	1642.8578	-0.0737	-45	968	982	FLGNDIPPVFIIAR						Mascot
		1826.9799	1826.8995	-0.0804	-44	990	1005	LLGYQLAAYFDKPTAR	139	100				Mascot
		1826.9799	1826.8995	-0.0804	-44	990	1005	LLGYQLAAYFDKPTAR						Mascot
		1929.8429	1929.9294	0.0865	45	4	19	DVGLAYTERCAECTER			Carbamidomethyl (C)[10,13]			Mascot
		1958.0189	1957.928	-0.0909	-46	1101	1118	ATNSEKEIELTAALPSQR						Mascot
		2060.1426	2060.0459	-0.0967	-47	1065	1081	LEVEWERLPIIIVTTYAK						Mascot
		2705.3848	2705.04	-0.3448	-127	1006	1030	VQLIVSSIAENDNMKICAD GALLSK			Carbamidomethyl (C)[17], Oxidation (M)[14]			Mascot
6	vitellogenin 1 [Danio rerio]						gi 166795887	149452.5	8.68	16	441	100	409	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
821.4628	821.4199	-0.0429	-52	545	551	ALHPEVR					Mascot
826.4457	826.4082	-0.0375	-45	1238	1244	QYAVFAK					Mascot
960.4785	960.4356	-0.0429	-45	1258	1264	LEVEWER					Mascot
960.4785	960.4356	-0.0429	-45	1258	1264	LEVEWER	45	99.107			Mascot
984.4243	984.3802	-0.0441	-45	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.3802	-0.0441	-45	1230	1237	FSWGAECK	45	99.091	Carbamidomethyl (C)[7]		Mascot
992.5015	992.4224	-0.0791	-80	615	622	LMNCKLDR					Mascot
1118.682	1118.6349	-0.0471	-42	1265	1274	LPIIVTTYAK					Mascot
1287.6691	1287.616	-0.0531	-41	1245	1257	AEAGVLGEFPAAR	112	100			Mascot
1287.6691	1287.616	-0.0531	-41	1245	1257	AEAGVLGEFPAAR					Mascot
1364.6957	1364.6395	-0.0562	-41	1279	1290	HILTAAYDTGFR	68	99.996			Mascot
1364.6957	1364.6395	-0.0562	-41	1279	1290	HILTAAYDTGFR					Mascot

	1382.7889	1382.7214	-0.0675	-49	303	315	ISDAPAQIVEVLK											Mascot
	1382.7889	1382.7214	-0.0675	-49	303	315	ISDAPAQIVEVLK											Mascot
	1638.8485	1638.7854	-0.0631	-39	668	683	TYLAGAAADVVEFGVR											Mascot
	1642.9315	1642.8578	-0.0737	-45	1161	1175	FLGNDIPPVFIIAR											Mascot
	1826.9799	1826.8995	-0.0804	-44	1183	1198	LLGYQLAAYFDKPTAR		139	100								Mascot
	1826.9799	1826.8995	-0.0804	-44	1183	1198	LLGYQLAAYFDKPTAR											Mascot
	1958.0189	1957.928	-0.0909	-46	1294	1311	ATNSEKEIELTAALPSQR											Mascot
	2060.1426	2060.0459	-0.0967	-47	1258	1274	LEVEWERLPIIVTTYAK											Mascot
	2233.2009	2232.9822	-0.2187	-98	593	614	SLTRITAPDMAYVAGAAN VAIK											Mascot
	2705.3848	2705.04	-0.3448	-127	1199	1223	VQLIVSSIAENDNMKICAD GALLSK					Carbamidomethyl (C)[17], Oxidation (M)[14]						Mascot
7	Vtg1 protein [Danio rerio]				gi 145337918		116565.5	9.07	13	437	100	409	100					

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	%	Modification	Rank	Result Type
	821.4628	821.4199	-0.0429	-52	251	257 ALHPEVR							Mascot
	826.4457	826.4082	-0.0375	-45	944	950 QYAVFAK							Mascot
	960.4785	960.4356	-0.0429	-45	964	970 LEVEWER							Mascot
	960.4785	960.4356	-0.0429	-45	964	970 LEVEWER		45	99.107				Mascot
	984.4243	984.3802	-0.0441	-45	936	943 FSWGAECK					Carbamidomethyl (C)[7]		Mascot
	984.4243	984.3802	-0.0441	-45	936	943 FSWGAECK		45	99.091		Carbamidomethyl (C)[7]		Mascot
	1118.682	1118.6349	-0.0471	-42	971	980 LPIIVTTYAK							Mascot
	1287.6691	1287.616	-0.0531	-41	951	963 AEAGVLGEFPAAR		112	100				Mascot
	1287.6691	1287.616	-0.0531	-41	951	963 AEAGVLGEFPAAR							Mascot
	1364.6957	1364.6395	-0.0562	-41	985	996 HILTAAYDTGFR		68	99.996				Mascot
	1364.6957	1364.6395	-0.0562	-41	985	996 HILTAAYDTGFR							Mascot
	1382.7889	1382.7214	-0.0675	-49	9	21 ISDAPAQIVEVLK							Mascot
	1382.7889	1382.7214	-0.0675	-49	9	21 ISDAPAQIVEVLK							Mascot
	1642.9315	1642.8578	-0.0737	-45	867	881 FLGNDIPPVFIIAR							Mascot
	1826.9799	1826.8995	-0.0804	-44	889	904 LLGYQLAAYFDKPTAR		139	100				Mascot
	1826.9799	1826.8995	-0.0804	-44	889	904 LLGYQLAAYFDKPTAR							Mascot
	1958.0189	1957.928	-0.0909	-46	1000	1017 ATNSEKEIELTAALPSQR							Mascot
	2060.1426	2060.0459	-0.0967	-47	964	980 LEVEWERLPIIVTTYAK							Mascot
	2705.3848	2705.04	-0.3448	-127	905	929 VQLIVSSIAENDNMKICAD GALLSK					Carbamidomethyl (C)[17], Oxidation (M)[14]		Mascot
8	vitellogenin 1 [Danio rerio]				gi 94733730		149140.4	8.74	14	429	100	409	100

Peptide Information													
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type	
	821.4628	821.4199	-0.0429	-52	545	551	ALHPEVR					Mascot	
	826.4457	826.4082	-0.0375	-45	1238	1244	QYAVFAK					Mascot	
	960.4785	960.4356	-0.0429	-45	1258	1264	LEVEWER					Mascot	
	960.4785	960.4356	-0.0429	-45	1258	1264	LEVEWER	45	99.107			Mascot	
	984.4243	984.3802	-0.0441	-45	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]		Mascot	
	984.4243	984.3802	-0.0441	-45	1230	1237	FSWGAECK	45	99.091	Carbamidomethyl (C)[7]		Mascot	
	1118.682	1118.6349	-0.0471	-42	1265	1274	LPIIVTTYAK					Mascot	
	1287.6691	1287.616	-0.0531	-41	1245	1257	AEAGVLGEFPAAR	112	100			Mascot	
	1287.6691	1287.616	-0.0531	-41	1245	1257	AEAGVLGEFPAAR					Mascot	
	1364.6957	1364.6395	-0.0562	-41	1279	1290	HILTAAYDTGFR	68	99.996			Mascot	
	1364.6957	1364.6395	-0.0562	-41	1279	1290	HILTAAYDTGFR					Mascot	
	1382.7889	1382.7214	-0.0675	-49	303	315	ISDAPAQIVEVLK					Mascot	
	1382.7889	1382.7214	-0.0675	-49	303	315	ISDAPAQIVEVLK					Mascot	
	1642.9315	1642.8578	-0.0737	-45	1161	1175	FLGNDIPPVFIIAR					Mascot	
	1826.9799	1826.8995	-0.0804	-44	1183	1198	LLGYQLAAYFDKPTAR	139	100			Mascot	
	1826.9799	1826.8995	-0.0804	-44	1183	1198	LLGYQLAAYFDKPTAR					Mascot	
	1929.8429	1929.9294	0.0865	45	195	210	DVGLAYTERCAECTER			Carbamidomethyl (C)[10,13]		Mascot	
	1958.0189	1957.928	-0.0909	-46	1294	1311	ATNSEKEIELTAALPSQR					Mascot	
	2060.1426	2060.0459	-0.0967	-47	1258	1274	LEVEWERLPIIVTTYAK					Mascot	
	2705.3848	2705.04	-0.3448	-127	1199	1223	VQLIVSSIAENDNMKICAD GALLSK			Carbamidomethyl (C)[17], Oxidation (M)[14]		Mascot	
9	Zgc:136383 [Danio rerio]				gil92097636		28809.9	9.33	11	294	100	229	100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
826.4457	826.4082	-0.0375	-45	136	142	QYAVFAK				Mascot
960.4785	960.4356	-0.0429	-45	156	162	LEVEWER				Mascot
960.4785	960.4356	-0.0429	-45	156	162	LEVEWER	45	99.107		Mascot
984.4243	984.3802	-0.0441	-45	128	135	FSWGAECK			Carbamidomethyl (C)[7]	Mascot
984.4243	984.3802	-0.0441	-45	128	135	FSWGAECK	45	99.091	Carbamidomethyl (C)[7]	Mascot
1045.5465	1045.5189	-0.0276	-26	246	253	DFLSWIHK				Mascot
1118.5986	1118.6349	0.0363	32	217	225	IPEITMSRR			Oxidation (M)[6]	Mascot
1303.6641	1303.6075	-0.0566	-43	143	155	AEAGVLGEYPAAR				Mascot
1403.6953	1403.6321	-0.0632	-45	177	188	YILNAAYDTGFR				Mascot

1529.7299	1529.7269	-0.003	-2	2	15	LPLSSSMSSSRMSK				Oxidation (M)[7,12]	Mascot
1529.7299	1529.7269	-0.003	-2	2	15	LPLSSSMSSSRMSK				Oxidation (M)[7,12]	Mascot
1642.9315	1642.8578	-0.0737	-45	59	73	FLGNDIPPVFIIAR					Mascot
1826.9799	1826.8995	-0.0804	-44	81	96	LLGYQLAAYFDKPTAR	139	100			Mascot
1826.9799	1826.8995	-0.0804	-44	81	96	LLGYQLAAYFDKPTAR					Mascot
1930.0127	1929.9294	-0.0833	-43	192	209	ATNSEKEIELTAALPSQK					Mascot

10 Vtg5 protein [Danio rerio] gi|148744685 27543.3 9.2 8 269 100 229 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4082	-0.0375	-45	124	130	QYAVFAK					Mascot
960.4785	960.4356	-0.0429	-45	144	150	LEVEWER					Mascot
960.4785	960.4356	-0.0429	-45	144	150	LEVEWER	45	99.107			Mascot
984.4243	984.3802	-0.0441	-45	116	123	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.3802	-0.0441	-45	116	123	FSWGAECK	45	99.091	Carbamidomethyl (C)[7]		Mascot
1303.6641	1303.6075	-0.0566	-43	131	143	AEAGVLGEYPAAR					Mascot
1376.7069	1376.6483	-0.0586	-43	165	176	HILNAAYNTGFR					Mascot
1642.9315	1642.8578	-0.0737	-45	47	61	FLGNDIPPVFIIAR					Mascot
1826.9799	1826.8995	-0.0804	-44	69	84	LLGYQLAAYFDKPTAR	139	100			Mascot
1826.9799	1826.8995	-0.0804	-44	69	84	LLGYQLAAYFDKPTAR					Mascot
1930.0127	1929.9294	-0.0833	-43	180	197	ATNSEKEIELTAALPSQK					Mascot

11 vitellogenin 6 [Danio rerio] gi|57864787 38968.8 8.92 8 263 100 229 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4082	-0.0375	-45	235	241	QYAVFAK					Mascot
960.4785	960.4356	-0.0429	-45	255	261	LEVEWER					Mascot
960.4785	960.4356	-0.0429	-45	255	261	LEVEWER	45	99.107			Mascot
984.4243	984.3802	-0.0441	-45	227	234	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.3802	-0.0441	-45	227	234	FSWGAECK	45	99.091	Carbamidomethyl (C)[7]		Mascot
1303.6641	1303.6075	-0.0566	-43	242	254	AEAGVLGEYPAAR					Mascot
1400.6627	1400.605	-0.0577	-41	276	287	CILNAAYDTGFR			Carbamidomethyl (C)[1]		Mascot
1642.9315	1642.8578	-0.0737	-45	158	172	FLGNDIPPVFIIAR					Mascot
1826.9799	1826.8995	-0.0804	-44	180	195	LLGYQLAAYFDKPTAR	139	100			Mascot
1826.9799	1826.8995	-0.0804	-44	180	195	LLGYQLAAYFDKPTAR					Mascot

	vitellogenin 4 [Danio rerio]	1958.0189	1957.928	-0.0909	-46	291	308	ATNSEKEIELTAALPSQR	Mascot					
12							gil57864783	31189.9	9.48	8	262	100	229	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4082	-0.0375	-45	162	168	QYAVFAK					Mascot
960.4785	960.4356	-0.0429	-45	182	188	LEVEWER					Mascot
960.4785	960.4356	-0.0429	-45	182	188	LEVEWER	45	99.107			Mascot
984.4243	984.3802	-0.0441	-45	154	161	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.3802	-0.0441	-45	154	161	FSWGAECK	45	99.091	Carbamidomethyl (C)[7]		Mascot
1118.5986	1118.6349	0.0363	32	243	251	IPEITMSRR			Oxidation (M)[6]		Mascot
1303.6641	1303.6075	-0.0566	-43	169	181	AEAGVLGEYPAAR					Mascot
1403.6953	1403.6321	-0.0632	-45	203	214	YILNAAYDTGFR					Mascot
1642.9315	1642.8578	-0.0737	-45	85	99	FLGNDIPPVFIIAR					Mascot
1826.9799	1826.8995	-0.0804	-44	107	122	LLGYQLAAYFDKPTAR	139	100			Mascot
1826.9799	1826.8995	-0.0804	-44	107	122	LLGYQLAAYFDKPTAR					Mascot

13	Zqc:136383 protein [Danio rerio]	qil159155252	123957.1	8.78	15	259	100	229	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
821.4628	821.4199	-0.0429	-52	322	328	ALHPEVR					Mascot
826.4457	826.4082	-0.0375	-45	1013	1019	QYAVFAK					Mascot
960.4785	960.4356	-0.0429	-45	1033	1039	LEVEWER					Mascot
960.4785	960.4356	-0.0429	-45	1033	1039	LEVEWER	45	99.107			Mascot
984.4243	984.3802	-0.0441	-45	1005	1012	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.3802	-0.0441	-45	1005	1012	FSWGAECK	45	99.091	Carbamidomethyl (C)[7]		Mascot
992.5015	992.4224	-0.0791	-80	392	399	LMNCKLDR					Mascot
1045.5465	1045.5189	-0.0276	-26	1123	1130	DFLSWIHK					Mascot
1118.5986	1118.6349	0.0363	32	1094	1102	IPEITMSRR			Oxidation (M)[6]		Mascot
1303.6641	1303.6075	-0.0566	-43	1020	1032	AEAGVLGEYPAAR					Mascot
1381.619	1381.6799	0.0609	44	844	857	NAPVSSSSSSSSSR					Mascot
1382.7889	1382.7214	-0.0675	-49	80	92	ISDAPAQIVEVLK					Mascot
1382.7889	1382.7214	-0.0675	-49	80	92	ISDAPAQIVEVLK					Mascot
1403.6953	1403.6321	-0.0632	-45	1054	1065	YILNAAYDTGFR					Mascot
1642.9315	1642.8578	-0.0737	-45	936	950	FLGNDIPPVFAIAR					Mascot

	1826.9799	1826.8995	-0.0804	-44	958	973	LLGYQLAAYFDKPTAR	139	100						Mascot
	1826.9799	1826.8995	-0.0804	-44	958	973	LLGYQLAAYFDKPTAR								Mascot
	1930.0127	1929.9294	-0.0833	-43	1069	1086	ATNSEKEIELTAALPSQK								Mascot
	2233.2009	2232.9822	-0.2187	-98	370	391	SLTRITAPDMAYVAGAAN VAIK								Mascot
14	Zgc:136383 protein [Danio rerio]				gi 125857991		148644.2	8.93	16	253	100	229	100		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	821.4628	821.4199	-0.0429	-52	544	550	ALHPEVR							Mascot
	826.4457	826.4082	-0.0375	-45	1235	1241	QYAVFAK							Mascot
	864.4461	864.4466	0.0005	1	86	93	DSFVPATK							Mascot
	960.4785	960.4356	-0.0429	-45	1255	1261	LEVEWER							Mascot
	960.4785	960.4356	-0.0429	-45	1255	1261	LEVEWER	45	99.107					Mascot
	984.4243	984.3802	-0.0441	-45	1227	1234	FSWGAECK				Carbamidomethyl (C)[7]			Mascot
	984.4243	984.3802	-0.0441	-45	1227	1234	FSWGAECK	45	99.091		Carbamidomethyl (C)[7]			Mascot
	992.5015	992.4224	-0.0791	-80	614	621	LMNCKLDR							Mascot
	1045.5465	1045.5189	-0.0276	-26	1345	1352	DFLSWIHK							Mascot
	1118.5986	1118.6349	0.0363	32	1316	1324	IPEITMSRR				Oxidation (M)[6]			Mascot
	1303.6641	1303.6075	-0.0566	-43	1242	1254	AEAGVLGEYPAAR							Mascot
	1381.619	1381.6799	0.0609	44	1066	1079	NAPVSSSSSSSSSR							Mascot
	1382.7889	1382.7214	-0.0675	-49	302	314	ISDAPAQIVEVLK							Mascot
	1382.7889	1382.7214	-0.0675	-49	302	314	ISDAPAQIVEVLK							Mascot
	1403.6953	1403.6321	-0.0632	-45	1276	1287	YILNAAYDTGFR							Mascot
	1642.9315	1642.8578	-0.0737	-45	1158	1172	FLGNDIPPVFIIAR							Mascot
	1826.9799	1826.8995	-0.0804	-44	1180	1195	LLGYQLAAYFDKPTAR	139	100					Mascot
	1826.9799	1826.8995	-0.0804	-44	1180	1195	LLGYQLAAYFDKPTAR							Mascot
	1930.0127	1929.9294	-0.0833	-43	1291	1308	ATNSEKEIELTAALPSQK							Mascot
	2233.2009	2232.9822	-0.2187	-98	592	613	SLTRITAPDMAYVAGAAN VAIK							Mascot

15	hypothetical protein LOC678536 [Danio rerio]				gi 160420306		148750.2	8.89	16	252	100	229	100		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	821.4628	821.4199	-0.0429	-52	545	551	ALHPEVR							Mascot
	826.4457	826.4082	-0.0375	-45	1236	1242	QYAVFAK							Mascot

		864.4461	864.4466	0.0005	1	87	94	DSFVPATK						Mascot
		960.4785	960.4356	-0.0429	-45	1256	1262	LEVEWER						Mascot
		960.4785	960.4356	-0.0429	-45	1256	1262	LEVEWER	45	99.107				Mascot
		984.4243	984.3802	-0.0441	-45	1228	1235	FSWGAECK			Carbamidomethyl (C)[7]			Mascot
		984.4243	984.3802	-0.0441	-45	1228	1235	FSWGAECK	45	99.091	Carbamidomethyl (C)[7]			Mascot
		992.5015	992.4224	-0.0791	-80	615	622	LMNCKLDR						Mascot
		1045.5465	1045.5189	-0.0276	-26	1346	1353	DFLSWIHK						Mascot
		1118.5986	1118.6349	0.0363	32	1317	1325	IPEITMSRR			Oxidation (M)[6]			Mascot
		1303.6641	1303.6075	-0.0566	-43	1243	1255	AEAGVLGEYPAAR						Mascot
		1381.619	1381.6799	0.0609	44	1067	1080	NAPVSSSESSSSSR						Mascot
		1382.7889	1382.7214	-0.0675	-49	303	315	ISDAPAQIVEVLK						Mascot
		1382.7889	1382.7214	-0.0675	-49	303	315	ISDAPAQIVEVLK						Mascot
		1403.6953	1403.6321	-0.0632	-45	1277	1288	YLNAAYDTGFR						Mascot
		1642.9315	1642.8578	-0.0737	-45	1159	1173	FLGNDIPPVFALLR						Mascot
		1826.9799	1826.8995	-0.0804	-44	1181	1196	LLGYQLAAYFDKPTAR	139	100				Mascot
		1826.9799	1826.8995	-0.0804	-44	1181	1196	LLGYQLAAYFDKPTAR						Mascot
		1930.0127	1929.9294	-0.0833	-43	1292	1309	ATNSEKEIELTAALPSQK						Mascot
		2233.2009	2232.9822	-0.2187	-98	593	614	SLTRITAPDMAYVAGAAN VAIK						Mascot
16	vitellogenin 6 [Danio rerio]					gi 303227889	150936.1	8.84	13	247	100	229	100	

	1958.0189	1957.928	-0.0909	-46	1312	1329	ATNSEKEIELTAALPSQR										Mascot
	2233.2009	2232.9822	-0.2187	-98	604	625	SLTRITAPDMAYVAGAAN VAIK										Mascot
17	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733734 149808.5 8.83 13 246 100 229 100																

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
821.4628	821.4199	-0.0429	-52	549	555	ALHPEVR					Mascot
826.4457	826.4082	-0.0375	-45	1245	1251	QYAVFAK					Mascot
864.4461	864.4466	0.0005	1	91	98	DSFVPATK					Mascot
960.4785	960.4356	-0.0429	-45	1265	1271	LEVEWER					Mascot
960.4785	960.4356	-0.0429	-45	1265	1271	LEVEWER	45	99.107			Mascot
984.4243	984.3802	-0.0441	-45	1237	1244	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.3802	-0.0441	-45	1237	1244	FSWGAECK	45	99.091	Carbamidomethyl (C)[7]		Mascot
992.5015	992.4224	-0.0791	-80	619	626	LMNCKLDR					Mascot
1303.6641	1303.6075	-0.0566	-43	1252	1264	AEAGVLGEYPAAR					Mascot
1400.6627	1400.605	-0.0577	-41	1286	1297	CILNAAYDTGFR			Carbamidomethyl (C)[1]		Mascot
1638.8485	1638.7854	-0.0631	-39	672	687	TYLAGAAADVVEFGVR					Mascot
1642.9315	1642.8578	-0.0737	-45	1168	1182	FLGNDIPPVFIIAR					Mascot
1826.9799	1826.8995	-0.0804	-44	1190	1205	LLGYQLAAYFDKPTAR	139	100			Mascot
1826.9799	1826.8995	-0.0804	-44	1190	1205	LLGYQLAAYFDKPTAR					Mascot
1958.0189	1957.928	-0.0909	-46	1301	1318	ATNSEKEIELTAALPSQR					Mascot
2233.2009	2232.9822	-0.2187	-98	597	618	SLTRITAPDMAYVAGAAN VAIK					Mascot

18	vitellogenin 5 [Danio rerio] gi 57864785 72820.8 9 8 243 100 229 100																
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4082	-0.0375	-45	544	550	QYAVFAK					Mascot
960.4785	960.4356	-0.0429	-45	564	570	LEVEWER					Mascot
960.4785	960.4356	-0.0429	-45	564	570	LEVEWER	45	99.107			Mascot
984.4243	984.3802	-0.0441	-45	536	543	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.3802	-0.0441	-45	536	543	FSWGAECK	45	99.091	Carbamidomethyl (C)[7]		Mascot
1303.6641	1303.6075	-0.0566	-43	551	563	AEAGVLGEYPAAR					Mascot
1376.7069	1376.6483	-0.0586	-43	585	596	HILNAAYNTGFR					Mascot
1642.9315	1642.8578	-0.0737	-45	467	481	FLGNDIPPVFIIAR					Mascot

	1826.9799	1826.8995	-0.0804	-44	489	504	LLGYQLAAYFDKPTAR	139	100					Mascot
	1826.9799	1826.8995	-0.0804	-44	489	504	LLGYQLAAYFDKPTAR							Mascot
	1930.0127	1929.9294	-0.0833	-43	600	617	ATNSEKEIELTAALPSQK							Mascot
19	vitellogenin 5 [Danio rerio]				gi 68448530		148868	8.77	10	234	100	229	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
821.4628	821.4199	-0.0429	-52	545	551	ALHPEVR					Mascot
826.4457	826.4082	-0.0375	-45	1238	1244	QYAVFAK					Mascot
960.4785	960.4356	-0.0429	-45	1258	1264	LEVEWER					Mascot
960.4785	960.4356	-0.0429	-45	1258	1264	LEVEWER	45	99.107			Mascot
984.4243	984.3802	-0.0441	-45	1230	1237	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.3802	-0.0441	-45	1230	1237	FSWGAECK	45	99.091	Carbamidomethyl (C)[7]		Mascot
992.5015	992.4224	-0.0791	-80	615	622	LMNCKLDR					Mascot
1303.6641	1303.6075	-0.0566	-43	1245	1257	AEAGVLGEYPAAR					Mascot
1376.7069	1376.6483	-0.0586	-43	1279	1290	HILNAAyntGFR					Mascot
1642.9315	1642.8578	-0.0737	-45	1161	1175	FLGNDIPPVFaiiAR					Mascot
1826.9799	1826.8995	-0.0804	-44	1183	1198	LLGYQLAAYFDKPTAR	139	100			Mascot
1826.9799	1826.8995	-0.0804	-44	1183	1198	LLGYQLAAYFDKPTAR					Mascot
1930.0127	1929.9294	-0.0833	-43	1294	1311	ATNSEKEIELTAALPSQK					Mascot

20	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]				gi 94733731		149169.2	8.84	10	232	100	229	100	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
821.4628	821.4199	-0.0429	-52	549	555	ALHPEVR					Mascot
826.4457	826.4082	-0.0375	-45	1240	1246	QYAVFAK					Mascot
960.4785	960.4356	-0.0429	-45	1260	1266	LEVEWER					Mascot
960.4785	960.4356	-0.0429	-45	1260	1266	LEVEWER	45	99.107			Mascot
984.4243	984.3802	-0.0441	-45	1232	1239	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.3802	-0.0441	-45	1232	1239	FSWGAECK	45	99.091	Carbamidomethyl (C)[7]		Mascot
992.5015	992.4224	-0.0791	-80	619	626	LMNCKLDR					Mascot
1303.6641	1303.6075	-0.0566	-43	1247	1259	AEAGVLGEYPAAR					Mascot
1376.7069	1376.6483	-0.0586	-43	1281	1292	HILNAAyntGFR					Mascot
1642.9315	1642.8578	-0.0737	-45	1163	1177	FLGNDIPPVFaiiAR					Mascot
1826.9799	1826.8995	-0.0804	-44	1185	1200	LLGYQLAAYFDKPTAR	139	100			Mascot

	1826.9799	1826.8995	-0.0804	-44	1185	1200	LLGYQLAAYFDKPTAR										Mascot
	1930.0127	1929.9294	-0.0833	-43	1296	1313	ATNSEKEIELTAALPSQK										Mascot
21	Vtg6 protein [Danio rerio]				gi 157422885		27937.4	9.18	7	120	100	90	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.4457	826.4082	-0.0375	-45	129	135	QYAVFAK					Mascot
960.4785	960.4356	-0.0429	-45	149	155	LEVEWER					Mascot
960.4785	960.4356	-0.0429	-45	149	155	LEVEWER	45	99.107			Mascot
984.4243	984.3802	-0.0441	-45	121	128	FSWGAECK			Carbamidomethyl (C)[7]		Mascot
984.4243	984.3802	-0.0441	-45	121	128	FSWGAECK	45	99.091	Carbamidomethyl (C)[7]		Mascot
1303.6641	1303.6075	-0.0566	-43	136	148	AEAGVLGEYPAAR					Mascot
1400.6627	1400.605	-0.0577	-41	170	181	CILNAAYDTGFR			Carbamidomethyl (C)[1]		Mascot
1642.9315	1642.8578	-0.0737	-45	52	66	FLGNDIPPVFAIAR					Mascot
1958.0189	1957.928	-0.0909	-46	185	202	ATNSEKEIELTAALPSQR					Mascot

22	Rho guanine exchange factor betaPix B [Danio rerio]				gi 109745507		90350.1	8.42	15	52	69.914						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
831.4821	831.3849	-0.0972	-117	725	731	IIVEETK					Mascot
982.4662	982.4127	-0.0535	-54	239	247	AIESANFCK					Mascot
992.506	992.4224	-0.0836	-84	147	153	HKFNQYR					Mascot
1006.4622	1006.3539	-0.1083	-108	63	70	DECLSNIR			Carbamidomethyl (C)[3]		Mascot
1279.6715	1279.7277	0.0562	44	391	400	YPTLLKEMER					Mascot
1332.6688	1332.5768	-0.092	-69	421	431	NLSAQCEVRK			Carbamidomethyl (C)[6]		Mascot
1347.7631	1347.6812	-0.0819	-61	267	277	ELQNLLSVYLR					Mascot
1403.6736	1403.6321	-0.0415	-30	522	533	HAFEISGNMIER					Mascot
1529.6941	1529.7269	0.0328	21	712	724	ESGPHMLFPPEEK					Mascot
1529.6941	1529.7269	0.0328	21	712	724	ESGPHMLFPPEEK					Mascot
1638.8711	1638.7854	-0.0857	-52	48	61	LRPGSVHTIYQDPR					Mascot
1657.7891	1657.8132	0.0241	15	711	724	KESGPHMLFPPEEK					Mascot
1860.9484	1860.8838	-0.0646	-35	154	170	SLDMSSENSAPQVLVKAR			Oxidation (M)[4]		Mascot
1870.9149	1870.8452	-0.0697	-37	415	430	SMTLFKNLSAQCEVR			Oxidation (M)[2]		Mascot
2060.0554	2060.0459	-0.0095	-5	495	513	MSGFIYQGKLPLTGMSVSK			Oxidation (M)[1]		Mascot
2076.0503	2076.0422	-0.0081	-4	495	513	MSGFIYQGKLPLTGMSV			Oxidation (M)[1,15]		Mascot

		2283.1914	2283.0718	-0.1196	-52	317	336	SK VSDSQQRIGGFFLSLLTQ MR								Mascot
23	PREDICTED: serine/threonine-protein kinase pim-3-like [Danio rerio]						gi 326675215		23705.1	8.34	4	45	0	30	71.965	

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank	Result Type	
	831.4431	831.3849	-0.0582	-70	1861	1867 SRDQLGR						Mascot	
	864.4131	864.4466	0.0335	39	1769	1776 CGVSELEK						Mascot	
	877.4373	877.3747	-0.0626	-71	689	696 ASERASEK						Mascot	
	900.5148	900.3813	-0.1335	-148	693	701 ASEKGPALK						Mascot	
	900.5148	900.3813	-0.1335	-148	693	701 ASEKGPALK						Mascot	
	976.5132	976.4303	-0.0829	-85	1344	1351 EDISIMIR						Mascot	
	982.4298	982.4127	-0.0171	-17	2018	2025 FNPNMSEK			Oxidation (M)[5]			Mascot	
	984.493	984.3802	-0.1128	-115	2038	2045 CFLSSRSK			Carbamidomethyl (C)[1]			Mascot	
	984.493	984.3802	-0.1128	-115	2038	2045 CFLSSRSK			Carbamidomethyl (C)[1]			Mascot	
	992.5081	992.4224	-0.0857	-86	1344	1351 EDISIMIR			Oxidation (M)[6]			Mascot	
	1051.524	1051.6666	0.1426	136	1184	1192 TGVEVPFMR			Oxidation (M)[8]			Mascot	
	1279.6462	1279.7277	0.0815	64	998	1008 DFAARCGEILK			Carbamidomethyl (C)[6]			Mascot	
	1287.6804	1287.616	-0.0644	-50	551	561 DAHLIPDHTIR						Mascot	
	1287.6804	1287.616	-0.0644	-50	551	561 DAHLIPDHTIR						Mascot	
	1376.6838	1376.6483	-0.0355	-26	1769	1780 CGVSELEKEGLR			Carbamidomethyl (C)[1]			Mascot	
	1377.7559	1377.6504	-0.1055	-77	2026	2037 EAAAFMIKVIER						Mascot	
	1382.6733	1382.7214	0.0481	35	499	509 KSQPSMYEQLR			Oxidation (M)[6]			Mascot	
	1382.6733	1382.7214	0.0481	35	499	509 KSQPSMYEQLR			Oxidation (M)[6]			Mascot	
	1400.746	1400.605	-0.141	-101	312	323 TFSDPLYVAIFK						Mascot	
	1439.8291	1439.7211	-0.108	-75	576	587 VMEPILQILQQK						Mascot	
	1495.692	1495.7876	0.0956	64	1193	1205 EMAGAWQMTVDLK			Oxidation (M)[2]			Mascot	
	1529.7166	1529.7269	0.0103	7	849	860 SQESDRFQVMFR						Mascot	
	1529.7166	1529.7269	0.0103	7	849	860 SQESDRFQVMFR						Mascot	
	1638.7648	1638.7854	0.0206	13	870	884 DKSGMMQCVIAGDK			Carbamidomethyl (C)[8]			Mascot	
	1642.8331	1642.8578	0.0247	15	885	898 VFDVFLQMMADKAK						Mascot	
	2225.2078	2225.0168	-0.191	-86	1499	1518 DNVNLAWSIAPYLALQLP AR						Mascot	
	2283.0857	2283.0718	-0.0139	-6	500	518 SQPSMYEQLRDISINN IC R			Oxidation (M)[5]			Mascot	
	3337.5432	3337.6064	0.0632	19	377	405 LRCQANAACVDLMVWAV TEEQGAENLCTK			Carbamidomethyl (C)[3,9,27]			Mascot	
26	PREDICTED: WD repeat- and FYVE domain-containing protein 4 [Danio rerio]					gi 326673033	526148.3	6.32	30	44	0	17	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
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809.3723	809.3831	0.0108	13	1217	1222	FCQQQR						Mascot
821.4484	821.4199	-0.0285	-35	1476	1481	MIRMVR				Oxidation (M)[1]		Mascot
850.5145	850.5012	-0.0133	-16	2616	2622	RSFSLLK						Mascot
992.5444	992.4224	-0.122	-123	3995	4003	LCSVVSSLK				Carbamidomethyl (C)[2]		Mascot
1000.488	1000.3777	-0.1103	-110	1173	1180	MLQEQSHK						Mascot
1016.4829	1016.3719	-0.111	-109	1173	1180	MLQEQSHK				Oxidation (M)[1]		Mascot
1051.5492	1051.6666	0.1174	112	2205	2213	DLGMIPYVK				Oxidation (M)[4]		Mascot
1062.5435	1062.6484	0.1049	99	901	908	IMLQELCR				Carbamidomethyl (C)[7]		Mascot
1118.5225	1118.6349	0.1124	100	3764	3773	GWVQDTAEGR						Mascot
1211.6466	1211.6608	0.0142	12	4617	4625	WERHLVLCR						Mascot
1287.6903	1287.616	-0.0743	-58	2455	2467	APSVSVVSIESGR	17		0			Mascot
1287.6903	1287.616	-0.0743	-58	2455	2467	APSVSVVSIESGR						Mascot
1309.7157	1309.5947	-0.121	-92	4620	4629	HLVLCRELNR				Carbamidomethyl (C)[5]		Mascot
1332.7556	1332.5768	-0.1788	-134	2258	2268	LKQDLLQSIMK				Oxidation (M)[10]		Mascot
1365.7273	1365.6589	-0.0684	-50	1310	1321	YWITGANSAYRK						Mascot
1377.7155	1377.6504	-0.0651	-47	2032	2043	SSNTVICSQILR				Carbamidomethyl (C)[7]		Mascot
1382.6846	1382.7214	0.0368	27	294	306	SDTASMHKAHVAK						Mascot
1382.7175	1382.7214	0.0039	3	4652	4664	THGTLLVGDAWGR						Mascot
1403.8409	1403.6321	-0.2088	-149	1797	1808	SLYLFVALPPRK						Mascot
1529.8474	1529.7269	-0.1205	-79	2468	2481	IYGNFTILHPGAVK						Mascot
1529.8474	1529.7269	-0.1205	-79	2468	2481	IYGNFTILHPGAVK						Mascot
1638.6848	1638.7854	0.1006	61	35	47	SCLYMPPELGIDK				Carbamidomethyl (C)[2], Oxidation (M)[5,6]		Mascot
1642.8832	1642.8578	-0.0254	-15	4352	4366	EVSLGPVGQIVCKEK				Carbamidomethyl (C)[12]		Mascot
1657.8121	1657.8132	0.0011	1	601	612	FLQNEHFFKEYR						Mascot
1839.0044	1838.8474	-0.157	-85	2811	2828	KSCLVTVYLNATAIGTGK						Mascot
1958.0276	1957.928	-0.0996	-51	2717	2733	FSSACESHVPRLTTVVR				Carbamidomethyl (C)[5]		Mascot
2060.0593	2060.0459	-0.0134	-7	1988	2005	TELKVAICVSNPQPSNFR				Carbamidomethyl (C)[8]		Mascot
2076.1025	2076.0422	-0.0603	-29	1537	1554	GKPSLPPGLFEHHDLYIR						Mascot
2224.9355	2225.0168	0.0813	37	257	274	HLCFGCLSTSHMSRDCE K				Carbamidomethyl (C)[3,6,16]		Mascot
2233.0127	2232.9822	-0.0305	-14	3183	3201	SWSFECLSCICPGFEVLQ K				Carbamidomethyl (C)[6]		Mascot
2283.1948	2283.0718	-0.123	-54	2024	2043	IIQSSFMRSSNTVICSQIL R						Mascot
2284.1389	2284.0703	-0.0686	-30	2349	2369	LGEALLHLGCFQKGDV ESDR						Mascot
3337.6045	3337.6064	0.0019	1	3638	3666	EGQVSMADVSPWEEQ ATKSWQLFIDSQK						Mascot

27 PREDICTED: dual oxidase 1, partial [Danio rerio] gi|326680379 162265.6 7.47 18 44 0

Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		809.4127	809.3831	-0.0296	-37	1369	1374 FKFHCK					Mascot
		850.4273	850.5012	0.0739	87	1066	1072 NLITMCR					Mascot
		877.4811	877.3747	-0.1064	-121	915	922 GMEVLGKK			Oxidation (M)[2]		Mascot
		996.5182	996.5529	0.0347	35	1420	1427 FDLRTTML					Mascot
		1006.4635	1006.3539	-0.1096	-109	327	333 NRTCHYR			Carbamidomethyl (C)[4]		Mascot
		1062.5248	1062.6484	0.1236	116	777	785 EALQCELTR					Mascot
		1211.6935	1211.6608	-0.0327	-27	1375	1383 KVFVLVWTR					Mascot
		1309.6536	1309.5947	-0.0589	-45	414	424 DFGLPSYNQIR					Mascot
		1376.6951	1376.6483	-0.0468	-34	775	785 TREALQCELTR			Carbamidomethyl (C)[7]		Mascot
		1381.645	1381.6799	0.0349	25	731	742 SEKEMLCDAVTR					Mascot
		1382.7216	1382.7214	-0.0002	0	533	543 GDIQRSVFFWK					Mascot
		1382.7216	1382.7214	-0.0002	0	533	543 GDIQRSVFFWK					Mascot
		1400.5675	1400.605	0.0375	27	565	576 AFSMSYFDDSSK			Oxidation (M)[4]		Mascot
		1404.6729	1404.6597	-0.0132	-9	391	401 DYMYGPLRFSR					Mascot
		1638.6931	1638.7854	0.0923	56	16	28 YDGWYNNLADHDR					Mascot
		1657.8188	1657.8132	-0.0056	-3	100	113 AGCPPEFMHIKVQK			Carbamidomethyl (C)[3], Oxidation (M)[8]		Mascot
		2060.0708	2060.0459	-0.0249	-12	1047	1065 GSAAAI SFLFPYMLLTVC R					Mascot
		2076.0657	2076.0422	-0.0235	-11	1047	1065 GSAAAI SFLFPYMLLTVC R			Oxidation (M)[13]		Mascot
		2211.075	2211.0063	-0.0687	-31	381	398 EDNIIVDLRDYMYGPLR					Mascot
		2705.3743	2705.04	-0.3343	-124	786	810 AEFASVLGLKSDSLFVES MFTLADK					Mascot
28	iron-sulfur cluster assembly enzyme [Danio rerio]						gi 54261801	17796.2	8.7	6	44	0
Peptide Information												
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		960.5083	960.4356	-0.0727	-76	1	9 MALAAAAWR					Mascot
		960.5359	960.4356	-0.1003	-104	107	115 GKSIDEALK	15		0		Mascot
		976.5032	976.4303	-0.0729	-75	1	9 MALAAAAWR			Oxidation (M)[1]		Mascot
		1045.5636	1045.5189	-0.0447	-43	44	53 NVGSLDKNAK					Mascot
		1403.6658	1403.6321	-0.0337	-24	132	143 LHCSMLAEDA IK			Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot
		1870.9302	1870.8452	-0.085	-45	1	18 MALAAAAWRCASSALFS K			Oxidation (M)[1]		Mascot
		2283.1545	2283.0718	-0.0827	-36	124	143 ELCLPPVKLHCSMLAEDA IK			Carbamidomethyl (C)[3], Oxidation (M)[13]		Mascot
29	hypothetical protein LOC393502 [Danio rerio]						gi 41056197	70203.6	5.68	8	42	0 19 0

Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type	
	809.4338	809.3831	-0.0507	-63	394	399	MLDFKR					Mascot	
	855.4545	855.3989	-0.0556	-65	37	43	MAFFALR					Mascot	
	855.4545	855.3989	-0.0556	-65	37	43	MAFFALR	19	0			Mascot	
	960.5182	960.4356	-0.0826	-86	605	612	SMDLPLLR			Oxidation (M)[2]		Mascot	
	960.5182	960.4356	-0.0826	-86	605	612	SMDLPLLR			Oxidation (M)[2]		Mascot	
	1211.6055	1211.6608	0.0553	46	613	623	FSSLVPSDGFR					Mascot	
	1325.7172	1325.7015	-0.0157	-12	204	215	TTPSNQLPKPSR					Mascot	
	1325.7172	1325.7015	-0.0157	-12	204	215	TTPSNQLPKPSR					Mascot	
	1400.6876	1400.605	-0.0826	-59	277	290	RNAETAPAVSDGGR					Mascot	
	2283.2932	2283.0718	-0.2214	-97	123	142	TARYVSISNTLQVVLLVH NR					Mascot	
	3337.5828	3337.6064	0.0236	7	314	342	SVSMPVLSDIQPKLHFMS TEDASYHQTTTR			Oxidation (M)[4,17]		Mascot	
30	novel protein (zgc:66455) [Danio rerio]				gi 220678753		71145.1	5.89	8	42	0	19	0

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
809.4338	809.3831	-0.0507	-63	401	406	MLDFKR						Mascot
855.4545	855.3989	-0.0556	-65	44	50	MAFFALR						Mascot
855.4545	855.3989	-0.0556	-65	44	50	MAFFALR	19	0				Mascot
960.5182	960.4356	-0.0826	-86	612	619	SMDLPLLR			Oxidation (M)[2]			Mascot
960.5182	960.4356	-0.0826	-86	612	619	SMDLPLLR			Oxidation (M)[2]			Mascot
1211.6055	1211.6608	0.0553	46	620	630	FSSLVPSDGFR						Mascot
1325.7172	1325.7015	-0.0157	-12	211	222	TTPSNQLPKPSR						Mascot
1325.7172	1325.7015	-0.0157	-12	211	222	TTPSNQLPKPSR						Mascot
1400.6876	1400.605	-0.0826	-59	284	297	RNAETAPAVSDGGR						Mascot
2283.2932	2283.0718	-0.2214	-97	130	149	TARYVSISNTLQVVLLVH NR						Mascot
3337.5828	3337.6064	0.0236	7	321	349	SVSMPVLSDIQPKLHFMS TEDASYHQTTTR			Oxidation (M)[4,17]			Mascot
31	PREDICTED: hypothetical protein LOC556086 [Danio rerio]				gi 292621054	227627.3	6.14	17	42	0	24	1.666

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
850.3983	850.5012	0.1029	121	1289	1296	CMIPVCGK				Mascot

	900.4057	900.3813	-0.0244	-27	1770	1777	NQPPSDDK				Mascot
	900.4057	900.3813	-0.0244	-27	1770	1777	NQPPSDDK				Mascot
	984.4277	984.3802	-0.0475	-48	1264	1270	FICQECK			Carbamidomethyl (C)[3,6]	Mascot
	984.4277	984.3802	-0.0475	-48	1264	1270	FICQECK	24	1.666	Carbamidomethyl (C)[3,6]	Mascot
	1006.4995	1006.3539	-0.1456	-145	1288	1296	RCMIPVCGK				Mascot
	1045.5901	1045.5189	-0.0712	-68	1632	1640	TLSRGWGLR				Mascot
	1062.5977	1062.6484	0.0507	48	468	476	KMIQSQSIK				Mascot
	1309.6495	1309.5947	-0.0548	-42	64	74	ESTSNYSPLRR				Mascot
	1381.6819	1381.6799	-0.002	-1	1109	1120	QHKTNP EEGSVR				Mascot
	1404.5559	1404.6597	0.1038	74	1495	1506	CFPYMEGDANNK			Oxidation (M)[5]	Mascot
	1439.8468	1439.7211	-0.1257	-87	1565	1577	VLIITADLSEIPR				Mascot
	1638.6986	1638.7854	0.0868	53	1058	1072	SPSCATSLETEPCEK			Carbamidomethyl (C)[4]	Mascot
	1657.8829	1657.8132	-0.0697	-42	1089	1103	VLDCAIEGESVKIPK			Carbamidomethyl (C)[4]	Mascot
	1838.9164	1838.8474	-0.069	-38	886	904	SSDVSAAVTDVCAKG TISK				Mascot
	1860.98	1860.8838	-0.0962	-52	521	536	IDESLQVELEKELSTK				Mascot
	1870.9003	1870.8452	-0.0551	-29	1734	1750	GVELTFNYNLECLGNGK				Mascot
	1929.9673	1929.9294	-0.0379	-20	1817	1833	KPGCPKVYHADCLNLSK			Carbamidomethyl (C)[4]	Mascot
	2282.9336	2283.0718	0.1382	61	1696	1714	GNESRFMNHSCQPNCET QK			Carbamidomethyl (C)[11], Oxidation (M)[7]	Mascot
32	Ribosomal protein S5 [Danio rerio]				gi 37748051	22858.1	9.65	7	41	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1211.4966	1211.6608	0.1642	136	72	81	VTNSMMMHGR			Oxidation (M)[5,6,7]		Mascot
1657.8955	1657.8132	-0.0823	-50	146	159	RVNQAIWLLCTGAR			Carbamidomethyl (C)[10]		Mascot
1826.8806	1826.8995	0.0189	10	2	18	AEDWEAAPAVAETPEIK					Mascot
1826.8806	1826.8995	0.0189	10	2	18	AEDWEAAPAVAETPEIK					Mascot
1930.0314	1929.9294	-0.102	-53	165	182	NIKTIAECLADELINAAK					Mascot
1957.9211	1957.928	0.0069	4	1	18	MAEDWEAAPAVAETPEIK					Mascot
2059.9656	2060.0459	0.0803	39	64	81	AQCPIVERVTNSMMMHGR					Mascot
2076.0806	2076.0422	-0.0384	-18	147	164	VNQAIWLLCTGAREAAFR			Carbamidomethyl (C)[9]		Mascot

33	Dual oxidase 1 [Danio rerio]	gi 115391856	171607.2	7.37	18	41	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
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	809.4127	809.3831	-0.0296	-37	1366	1371	FKFHCK						Mascot
	850.4273	850.5012	0.0739	87	1063	1069	NLITMCR						Mascot
	877.4811	877.3747	-0.1064	-121	912	919	GMEVLGKK			Oxidation (M)[2]			Mascot
	1006.4635	1006.3539	-0.1096	-109	324	330	NRTCHYR			Carbamidomethyl (C)[4]			Mascot
	1062.5248	1062.6484	0.1236	116	774	782	EALQCELTR						Mascot
	1211.6935	1211.6608	-0.0327	-27	1372	1380	KVYFLWVTR						Mascot
	1309.6536	1309.5947	-0.0589	-45	411	421	DFGLPSYNQIR						Mascot
	1365.6249	1365.6589	0.034	25	1484	1494	NVEKACQQMNK			Carbamidomethyl (C)[6], Oxidation (M)[9]			Mascot
	1376.6951	1376.6483	-0.0468	-34	772	782	TREALQCELTR			Carbamidomethyl (C)[7]			Mascot
	1381.645	1381.6799	0.0349	25	728	739	SEKEMLCDAVTR						Mascot
	1382.7216	1382.7214	-0.0002	0	530	540	GDIQRSVFFWK						Mascot
	1382.7216	1382.7214	-0.0002	0	530	540	GDIQRSVFFWK						Mascot
	1400.5675	1400.605	0.0375	27	562	573	AFSMSYFDDSSK			Oxidation (M)[4]			Mascot
	1404.6729	1404.6597	-0.0132	-9	388	398	DYMYGPLRFSR						Mascot
	1638.6931	1638.7854	0.0923	56	13	25	YDGWYNNLADHDR						Mascot
	1657.8188	1657.8132	-0.0056	-3	97	110	AGCPPEFMHIKVQK			Carbamidomethyl (C)[3], Oxidation (M)[8]			Mascot
	2060.0708	2060.0459	-0.0249	-12	1044	1062	GSAAAI SFLFPYMLLTVC R						Mascot
	2076.0657	2076.0422	-0.0235	-11	1044	1062	GSAAAI SFLFPYMLLTVC R			Oxidation (M)[13]			Mascot
	2211.075	2211.0063	-0.0687	-31	378	395	EDNIIVDLRDYMYGPLR						Mascot
	2705.3743	2705.04	-0.3343	-124	783	807	AEFASVLGLKSDSLFVES MFTLADK						Mascot
34	nuclear receptor 2C2-associated protein [Danio rerio]						gi 113673092	16120	5.02	6	41	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
821.4515	821.4199	-0.0316	-38	21	27	DVKQFGK					Mascot
1365.6427	1365.6589	0.0162	12	2	13	AESLICNSTQSR			Carbamidomethyl (C)[6]		Mascot
1376.8036	1376.6483	-0.1553	-113	128	139	IIVYTL DILGEK					Mascot
1439.6617	1439.7211	0.0594	41	1	13	MAESLICNSTQSR					Mascot
1638.8597	1638.7854	-0.0743	-45	59	73	VSEVRLQFQGGFSGK					Mascot
2211.0857	2211.0063	-0.0794	-36	1	20	MAESLICNSTQSRVSSVL NR			Oxidation (M)[1]		Mascot

35 ATPase, Ca++ transporting, cardiac muscle, fast twitch 1 like [Danio rerio] gi|117606266 108861.1 5.05 14 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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[illegible]

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. % Modification	Rank	Result Type
831.4821	831.3849	-0.0972	-117	569	575 IIVEETK				Mascot
982.4662	982.4127	-0.0535	-54	83	91 AIESANFCK				Mascot
1279.6715	1279.7277	0.0562	44	235	244 YPTLLKEMER				Mascot
1332.6688	1332.5768	-0.092	-69	265	275 NLSAQCQEV RK		Carbamidomethyl (C)[6]		Mascot
1347.7631	1347.6812	-0.0819	-61	111	121 ELQNLLSVYLR				Mascot
1403.6736	1403.6321	-0.0415	-30	366	377 HAFEISGNMIER				Mascot
1529.6941	1529.7269	0.0328	21	556	568 ESGPHMLFP EEEK				Mascot
1529.8104	1529.7269	-0.0835	-55	1	14 MSENSAPQVLVKAR				Mascot
1657.7891	1657.8132	0.0241	15	555	568 KESGPHMLFP EEEK				Mascot
1870.9149	1870.8452	-0.0697	-37	259	274 SMTLFKNLSAQCQEV R		Oxidation (M)[2]		Mascot
2060.0554	2060.0459	-0.0095	-5	339	357 MSGFIYQGKLPLTGMSV SK		Oxidation (M)[1]		Mascot
2076.0503	2076.0422	-0.0081	-4	339	357 MSGFIYQGKLPLTGMSV		Oxidation (M)[1,15]		Mascot

2283.1914

2283.0718

-0.1196

-52

161

SK

VSDSQQRIGGFFLSLLTQ

MR

Mascot

37

four and a half LIM domains [Danio rerio]

gi|40363543

31943.8

8.88

12

40

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
826.3004	826.4082	0.1078	130	161	166	QCACCK			Carbamidomethyl (C)[2,4,5]		Mascot
877.405	877.3747	-0.0303	-35	200	206	FTSHEEK					Mascot
976.488	976.4303	-0.0577	-59	23	30	DEKQVCVR					Mascot
992.4215	992.4224	0.0009	1	207	214	VYCVDCYK					Mascot
996.46	996.5529	0.0929	93	87	95	ILCGTCSSR			Carbamidomethyl (C)[3]		Mascot
1006.3868	1006.3539	-0.0329	-33	5	11	SNCFYCR			Carbamidomethyl (C)[3,6]		Mascot
1211.5659	1211.6608	0.0949	78	26	34	QVCVRCFDK			Carbamidomethyl (C)[3,6]		Mascot
1303.5341	1303.6075	0.0734	56	35	45	FCANTCTECRR					Mascot
1325.5936	1325.7015	0.1079	81	84	95	DDRILCGTCSSR					Mascot
1325.5936	1325.7015	0.1079	81	84	95	DDRILCGTCSSR					Mascot
1382.6151	1382.7214	0.1063	77	84	95	DDRILCGTCSSR			Carbamidomethyl (C)[6]		Mascot
1382.6151	1382.7214	0.1063	77	84	95	DDRILCGTCSSR			Carbamidomethyl (C)[6]		Mascot
1439.677	1439.7211	0.0441	31	220	233	KCSGCQNPITGFVK					Mascot
1529.6412	1529.7269	0.0857	56	60	70	YWHSDCFRCAK			Carbamidomethyl (C)[6,9]		Mascot
1529.6412	1529.7269	0.0857	56	60	70	YWHSDCFRCAK			Carbamidomethyl (C)[6,9]		Mascot
1838.8312	1838.8474	0.0162	9	264	279	FVAHSGHIYCSDCSKK			Carbamidomethyl (C)[10]		Mascot

38

PREDICTED: NUAK family SNF1-like kinase 1-like [Danio rerio]

gi|68404856

68532.7

8.84

10

40

0

17

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4567	960.4356	-0.0211	-22	314	322	DNGSPMLAR					Mascot
960.4567	960.4356	-0.0211	-22	314	322	DNGSPMLAR	18	0			Mascot
976.433	976.4303	-0.0027	-3	264	272	EPSQSSDAR					Mascot
992.506	992.4224	-0.0836	-84	146	152	ETRHFFR					Mascot
996.5584	996.5529	-0.0055	-6	68	76	HSGREVAIK					Mascot
1006.4911	1006.3539	-0.1372	-136	381	388	TRTSEEQR					Mascot
1347.666	1347.6812	0.0152	11	277	286	WMLMVNPERR			Oxidation (M)[2]		Mascot
1377.7161	1377.6504	-0.0657	-48	186	197	IADFGLSNLYHK					Mascot
1400.6804	1400.605	-0.0754	-54	130	140	GELYDYISERR					Mascot

	1929.995	1929.9294	-0.0656	-34	170	185	DLKLENVLLDENCNIK					Carbamidomethyl (C)[13]	Mascot
	2282.9871	2283.0718	0.0847	37	521	540	EESDTITNSSFCSTEWPP PR						Mascot
39	Transferrin receptor 1a [Danio rerio]				gi 190337022		84943	6.38	12	39	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
809.3787	809.3831	0.0044	5	394	400	GYLDADR					Mascot
821.4437	821.4199	-0.0238	-29	431	437	TITDMIK					Mascot
842.4842	842.4701	-0.0141	-17	66	72	LNQRSPK					Mascot
960.5472	960.4356	-0.1116	-116	662	671	AASALTSAIR					Mascot
960.5472	960.4356	-0.1116	-116	662	671	AASALTSAIR					Mascot
976.4634	976.4303	-0.0331	-34	409	417	DAWGPGFAR					Mascot
1045.5935	1045.5189	-0.0746	-71	683	690	IINNRMIR			Oxidation (M)[7]		Mascot
1279.6165	1279.7277	0.1112	87	731	742	GGLESADIDQFK					Mascot
1325.5096	1325.7015	0.1919	145	672	682	NSDLDDMEQCR					Mascot
1325.5096	1325.7015	0.1919	145	672	682	NSDLDDMEQCR					Mascot
1382.5311	1382.7214	0.1903	138	672	682	NSDLDDMEQCR			Carbamidomethyl (C)[10]		Mascot
1382.5311	1382.7214	0.1903	138	672	682	NSDLDDMEQCR			Carbamidomethyl (C)[10]		Mascot
1403.7529	1403.6321	-0.1208	-86	691	703	VEGSLSPYVSPR					Mascot
1827.0222	1826.8995	-0.1227	-67	369	384	DDITVEVNNVLVQKK					Mascot
1827.0222	1826.8995	-0.1227	-67	369	384	DDITVEVNNVLVQKK					Mascot
1957.8848	1957.928	0.0432	22	352	368	EWSDGMLADTQYLLGDK			Oxidation (M)[6]		Mascot
2283.0339	2283.0718	0.0379	17	662	682	AASALTSAIRNSDLDDME QCR			Oxidation (M)[17]		Mascot

40	Four and a half LIM domains [Danio rerio]				gi 166797040		31996.8	8.94	12	39	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
826.3004	826.4082	0.1078	130	161	166	QCACCK			Carbamidomethyl (C)[2,4,5]		Mascot
877.405	877.3747	-0.0303	-35	200	206	FTSHEEK					Mascot
976.488	976.4303	-0.0577	-59	23	30	DEKQVCVR					Mascot
992.4215	992.4224	0.0009	1	207	214	VYCVDCYK					Mascot
996.46	996.5529	0.0929	93	87	95	ILCGTCSSR			Carbamidomethyl (C)[3]		Mascot
1006.3868	1006.3539	-0.0329	-33	5	11	SNCFYCR			Carbamidomethyl (C)[3,6]		Mascot
1211.5659	1211.6608	0.0949	78	26	34	QVCVRCFDK			Carbamidomethyl (C)[3,6]		Mascot

	1303.5341	1303.6075	0.0734	56	35	45	FCANTCTECRR						Mascot
	1325.5936	1325.7015	0.1079	81	84	95	DDRILCGTCSSR						Mascot
	1325.5936	1325.7015	0.1079	81	84	95	DDRILCGTCSSR						Mascot
	1382.6151	1382.7214	0.1063	77	84	95	DDRILCGTCSSR				Carbamidomethyl (C)[6]		Mascot
	1382.6151	1382.7214	0.1063	77	84	95	DDRILCGTCSSR				Carbamidomethyl (C)[6]		Mascot
	1439.677	1439.7211	0.0441	31	220	233	KCSGCGNPITGFGK						Mascot
	1529.6412	1529.7269	0.0857	56	60	70	YWHSDCFRCAK				Carbamidomethyl (C)[6,9]		Mascot
	1529.6412	1529.7269	0.0857	56	60	70	YWHSDCFRCAK				Carbamidomethyl (C)[6,9]		Mascot
	1838.8312	1838.8474	0.0162	9	264	279	FVAHSGHIYCSDCSKK				Carbamidomethyl (C)[10]		Mascot

41 novel protein similar to vertebrate fuse-binding protein-interacting repressor (SIAHBP1) [Danio rerio] gi|169154387 26020.2 7.75 7 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
821.4304	821.4199	-0.0105	-13	230	236	HKGYGFI					Mascot
850.4273	850.5012	0.0739	87	88	94	ALAIMCR			Carbamidomethyl (C)[6], Oxidation (M)[5]		Mascot
877.4924	877.3747	-0.1177	-134	216	223	IKSCSLAR					Mascot
1118.5922	1118.6349	0.0427	38	86	94	QRALAIMCR			Carbamidomethyl (C)[8]		Mascot
1381.6669	1381.6799	0.013	9	121	132	SIDMSWDSVTLK					Mascot
1495.8188	1495.7876	-0.0312	-21	31	43	YAMEQSIKSVLVK					Mascot
3337.6343	3337.6064	-0.0279	-8	133	162	HKGFAFVEYEVPEAAQL ALEQMNSVMLGGR			Oxidation (M)[22]		Mascot

42 PREDICTED: pericentrin [Danio rerio] gi|326668478 491858 4.98 35 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
809.3094	809.3831	0.0737	91	1	6	MDQDER			Oxidation (M)[1]		Mascot
821.3458	821.4199	0.0741	90	3863	3868	EEQMERE					Mascot
826.4417	826.4082	-0.0335	-41	1450	1456	LSDNHIK					Mascot
831.4319	831.3849	-0.047	-57	2085	2091	QDLQTAR					Mascot
842.4995	842.4701	-0.0294	-35	15	21	AKLAHFR					Mascot
850.4087	850.5012	0.0925	109	2129	2136	TPSSMTAR					Mascot
855.3954	855.3989	0.0035	4	3881	3887	QEHANEK					Mascot
855.3954	855.3989	0.0035	4	3881	3887	QEHANEK					Mascot
864.3581	864.4466	0.0885	102	1982	1988	EESDQEK					Mascot
877.4083	877.3747	-0.0336	-38	3585	3591	AELEEMR					Mascot

		882.5155	882.5292	0.0137	16	3606	3612	SEIHKLR							Mascot
		900.4495	900.3813	-0.0682	-76	1407	1414	SSMTLAYK							Mascot
		900.4495	900.3813	-0.0682	-76	1407	1414	SSMTLAYK	1	0					Mascot
		984.4745	984.3802	-0.0943	-96	680	687	THEQDNLK							Mascot
		984.4745	984.3802	-0.0943	-96	680	687	THEQDNLK							Mascot
		992.4643	992.4224	-0.0419	-42	3074	3082	EGLSNSTER							Mascot
		1000.4442	1000.3777	-0.0665	-66	3753	3761	QESASAHDR							Mascot
		1045.4908	1045.5189	0.0281	27	1472	1480	QAEEVNER							Mascot
		1118.551	1118.6349	0.0839	75	224	232	EQECLAQK				Carbamidomethyl (C)[4]			Mascot
		1211.5651	1211.6608	0.0957	79	3799	3809	QAEEAEQEAHK							Mascot
		1309.5875	1309.5947	0.0072	5	2064	2074	QEGDNLMAMLR				Oxidation (M)[7,9]			Mascot
		1332.6827	1332.5768	-0.1059	-79	3842	3853	AAQLQVELDAMK				Oxidation (M)[11]			Mascot
		1347.6433	1347.6812	0.0379	28	3174	3184	RLDCSEERPSR							Mascot
		1376.7897	1376.6483	-0.1414	-103	960	970	QISLIQVYER							Mascot
		1377.7122	1377.6504	-0.0618	-45	3600	3610	HQEELKSEIHK							Mascot
		1400.7056	1400.605	-0.1006	-72	1428	1438	YYKDIDQLNTK							Mascot
		1403.7642	1403.6321	-0.1321	-94	669	679	RIQFEEVINQK							Mascot
		1404.6648	1404.6597	-0.0051	-4	3174	3184	RLDCSEERPSR				Carbamidomethyl (C)[4]			Mascot
		1529.8104	1529.7269	-0.0835	-55	3840	3853	GRAAQLQVELDAMK							Mascot
		1529.8104	1529.7269	-0.0835	-55	3840	3853	GRAAQLQVELDAMK							Mascot
		1638.881	1638.7854	-0.0956	-58	2528	2541	TVTQLEQELQKGHK							Mascot
		1642.8582	1642.8578	-0.0004	0	3975	3988	HTISCLERDLQSLK							Mascot
		1657.8326	1657.8132	-0.0194	-12	2046	2059	GAEMETLESLLHRR				Oxidation (M)[4]			Mascot
		1860.9774	1860.8838	-0.0936	-50	3687	3702	ITSSNLRSELQIEQSR							Mascot
		1870.9504	1870.8452	-0.1052	-56	1303	1317	QEIQEQNEVELENLR							Mascot
		1929.9875	1929.9294	-0.0581	-30	2282	2297	ATLEEVLQQKETQEQR							Mascot
		1958.0553	1957.928	-0.1273	-65	2623	2638	EEEVRQLTLQLELTTR							Mascot
		2060.052	2060.0459	-0.0061	-3	1431	1447	DIDQLNTKHAHELEQLR							Mascot
		2284.1013	2284.0703	-0.031	-14	3955	3974	ENSEFSECLAALSEEKISL K				Carbamidomethyl (C)[8]			Mascot
		2705.0938	2705.04	-0.0538	-20	1354	1378	TGDASFLSEGNCEDDNS DAMAEITR				Carbamidomethyl (C)[12]			Mascot
43	Hook homolog 1 [Danio rerio]					gi 190339684	83123.4	5.24	11	38	0	25	11.752		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
809.3458	809.3831	0.0373	46	587	592	KDEDMR			Oxidation (M)[5]		Mascot
842.5458	842.4701	-0.0757	-90	636	642	KIIALER					Mascot

960.4996	960.4356	-0.064	-67	323	330	LEDLSDLR						Mascot
960.4996	960.4356	-0.064	-67	323	330	LEDLSDLR	25	11.752				Mascot
976.488	976.4303	-0.0577	-59	643	650	ECEQAKLR						Mascot
992.5081	992.4224	-0.0857	-86	332	339	QMKALEEK			Oxidation (M)[2]			Mascot
1000.4767	1000.3777	-0.099	-99	266	273	IHCEELEK						Mascot
1165.5956	1165.6945	0.0989	85	577	586	MDELMAALKK			Oxidation (M)[1]			Mascot
1364.6614	1364.6395	-0.0219	-16	177	188	ALEDLTEVMAEK			Oxidation (M)[9]			Mascot
1364.6614	1364.6395	-0.0219	-16	177	188	ALEDLTEVMAEK			Oxidation (M)[9]			Mascot
1365.7372	1365.6589	-0.0783	-57	309	320	AVKLEASVETYSR						Mascot
1377.7155	1377.6504	-0.0651	-47	703	715	RTMSINVPASSSK						Mascot
1439.7311	1439.7211	-0.01	-7	665	676	SLNFQKMAIESR			Oxidation (M)[7]			Mascot

44 nipped-B like b [Danio rerio] gi|333777886 267955.6 6.41 18 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5345	842.4701	-0.0644	-76	801	807	LLNILEK					Mascot
855.4795	855.3989	-0.0806	-94	2297	2303	DRPQIAR					Mascot
855.4795	855.3989	-0.0806	-94	2297	2303	DRPQIAR	15	0			Mascot
864.4243	864.4466	0.0223	26	1132	1138	QTEMALR			Oxidation (M)[4]		Mascot
960.5359	960.4356	-0.1003	-104	1788	1795	LSKQEDLK					Mascot
960.5359	960.4356	-0.1003	-104	1788	1795	LSKQEDLK					Mascot
976.5607	976.4303	-0.1304	-134	784	792	IKAMGITSR					Mascot
992.5557	992.4224	-0.1333	-134	784	792	IKAMGITSR			Oxidation (M)[4]		Mascot
996.4971	996.5529	0.0558	56	1879	1886	YTGFIHMK					Mascot
1000.4734	1000.3777	-0.0957	-96	2132	2140	NLYGFSDGK					Mascot
1006.4985	1006.3539	-0.1446	-144	1161	1168	MDQKAIER			Oxidation (M)[1]		Mascot
1279.7004	1279.7277	0.0273	21	1744	1754	TLYNGLLSDKR					Mascot
1303.6488	1303.6075	-0.0413	-32	772	783	QQLNELGSESAK					Mascot
1325.663	1325.7015	0.0385	29	46	57	VAEDVGHLGCR			Carbamidomethyl (C)[11]		Mascot
1325.663	1325.7015	0.0385	29	46	57	VAEDVGHLGCR			Carbamidomethyl (C)[11]		Mascot
1332.7191	1332.5768	-0.1423	-107	1462	1473	ILNITDVVSACK			Carbamidomethyl (C)[11]		Mascot
1400.738	1400.605	-0.133	-95	1866	1877	NKADQQLVEIDK					Mascot
1403.7926	1403.6321	-0.1605	-114	1461	1473	KILNITDVVSACK					Mascot
1529.7428	1529.7269	-0.0159	-10	476	489	HRPEGRHGDGGAQR					Mascot
1529.7428	1529.7269	-0.0159	-10	476	489	HRPEGRHGDGGAQR					Mascot
1838.9047	1838.8474	-0.0573	-31	1635	1649	FVWACFNRYYGALTK					Mascot

	1848.7925	1848.8801	0.0876	47	421	437	VEDDCMGMPIPASEAQR										Mascot
	1864.7874	1864.8551	0.0677	36	421	437	VEDDCMGMPIPASEAQR					Oxidation (M)[6]					Mascot
	2705.438	2705.04	-0.398	-147	1720	1743	CKAIIGLGFLFIMHPSQMF VPEVK										Mascot
45	PREDICTED: ras association domain-containing protein gi 189537462 10 [Danio rerio]										49870	4.96	3	38	0	30	75.071

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4318	850.5012	0.0694	82	60	65	WRGFER					Mascot
960.4632	960.4356	-0.0276	-29	184	191	ELDGEIER					Mascot
960.4632	960.4356	-0.0276	-29	184	191	ELDGEIER	30		75.071		Mascot
992.5193	992.4224	-0.0969	-98	25	33	RTTCADVVK					Mascot

46	PREDICTED: hypothetical protein LOC100536975 [Danio rerio]										gi 326679271	234171	8.98	23	37	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
831.4821	831.3849	-0.0972	-117	38	44	LIESELK					Mascot
850.4205	850.5012	0.0807	95	201	207	AEFAWAR					Mascot
855.4318	855.3989	-0.0329	-38	181	187	DLESHVR					Mascot
855.4318	855.3989	-0.0329	-38	181	187	DLESHVR					Mascot
864.4131	864.4466	0.0335	39	1	8	MAEEALGK			Oxidation (M)[1]		Mascot
996.5624	996.5529	-0.0095	-10	173	180	WIPAPERK					Mascot
1118.6567	1118.6349	-0.0218	-19	1004	1014	GVFAALGDIKK					Mascot
1165.5887	1165.6945	0.1058	91	1450	1458	YSVEEWPKK					Mascot
1211.6266	1211.6608	0.0342	28	1132	1142	NEVVDPSQVPK					Mascot
1287.6903	1287.616	-0.0743	-58	278	288	KIQLVDSVDDR					Mascot
1287.6903	1287.616	-0.0743	-58	278	288	KIQLVDSVDDR					Mascot
1325.7113	1325.7015	-0.0098	-7	1284	1294	FHRSLTPPGWK					Mascot
1325.7113	1325.7015	-0.0098	-7	1284	1294	FHRSLTPPGWK					Mascot
1347.7002	1347.6812	-0.019	-14	1819	1830	LETSELEEKAAK					Mascot
1364.6475	1364.6395	-0.008	-6	189	199	LKECSNELESR			Carbamidomethyl (C)[4]		Mascot
1364.7307	1364.6395	-0.0912	-67	38	48	LIESELKEEFK					Mascot
1376.7467	1376.6483	-0.0984	-71	1347	1359	AEICGAVFAARLR					Mascot
1382.5927	1382.7214	0.1287	93	447	460	DSTEAGCIVCGAEK					Mascot

	1382.5927	1382.7214	0.1287	93	447	460	DSTEAGCIVCGAEK						Mascot
	1403.6268	1403.6321	0.0053	4	1751	1762	VWGIVYCCMASR			Oxidation (M)[9]			Mascot
	1404.8434	1404.6597	-0.1837	-131	715	726	RPGKIDLLISHR						Mascot
	1439.614	1439.7211	0.1071	74	447	460	DSTEAGCIVCGAEK			Carbamidomethyl (C)[7]			Mascot
	1827.002	1826.8995	-0.1025	-56	1644	1660	AVPILPCSAVWSMLLAR						Mascot
	1827.0334	1826.8995	-0.1339	-73	1143	1158	ESISQSKTIILPNQLR						Mascot
	1838.783	1838.8474	0.0644	35	839	855	CGNCQPPGGKEMTLAEER			Oxidation (M)[11]			Mascot
	1864.9109	1864.8551	-0.0558	-30	1900	1915	EDCVEYVTPNSLLGR			Carbamidomethyl (C)[3]			Mascot
	2211.0215	2211.0063	-0.0152	-7	816	833	EFIDWWKWDSIGTACEP K						Mascot
	2705.3855	2705.04	-0.3455	-128	1164	1187	ALGTGYLVEEDKLYIMASI NFSVR			Oxidation (M)[16]			Mascot
47	PREDICTED: hypothetical protein LOC796277 [Danio rerio]					gi 292622807	79431.9	5.54	1		30	71.965	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1287.7015	1287.616	-0.0855	-66	638	649	KNNGLLSESVAR	30	71.965		2	Mascot

48	novel protein [Danio rerio]					gi 122890957	47990.1	5.99	1		27	42.627	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
855.4392	855.3989	-0.0403	-47	330	336	VSYMLAR	27	42.627	Oxidation (M)[4]	2	Mascot

49	protein Hook homolog 1 [Danio rerio]					gi 113676708	83063.4	5.24	1		25	11.752	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
960.4996	960.4356	-0.064	-67	323	330	LEDLSDLR	25	11.752		3	Mascot

50	adiponectin receptor 1a [Danio rerio]					gi 50540002	16095.1	6.09	1		25	3.015	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
900.4396	900.3813	-0.0583	-65	84	91	ACFGSIFR	25	3.015		2	Mascot

Gel Idx/Pos	258/K10	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
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1	hypothetical protein LOC564906 [Danio rerio]	gi 156739281	38003.1	6.31	8	548	100	513	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1017.5727	1017.5201	-0.0526	-52	224	232	ITGFVDIPR	71	99.998			Mascot
1017.5727	1017.5201	-0.0526	-52	224	232	ITGFVDIPR					Mascot
1222.5487	1222.4867	-0.062	-51	302	311	NSWSDKWGDK					Mascot
1346.6448	1346.6012	-0.0436	-32	38	48	SYHEDVEVGRR					Mascot
1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR	106	100			Mascot
1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR					Mascot
1938.8507	1938.7604	-0.0903	-47	319	335	DKNNHCGIATMASYP LM			Carbamidomethyl (C)[6], Oxidation (M)[11]		Mascot
1954.8456	1954.7512	-0.0944	-48	319	335	DKNNHCGIATMASYP LM			Carbamidomethyl (C)[6], Oxidation (M)[11,17]		Mascot
2174.0989	2173.9995	-0.0994	-46	276	296	LDHAVLVVGYGYQGADV AGNR					Mascot
2174.0989	2173.9995	-0.0994	-46	276	296	LDHAVLVVGYGYQGADV AGNR	152	100			Mascot
2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR	183	100	Carbamidomethyl (C)[2,5]		Mascot
2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]		Mascot
2649.1819	2649.2053	0.0234	9	132	154	DQKQCGSCWSFSSTGAL EGQLFR			Carbamidomethyl (C)[5,8]		Mascot

2	hypothetical protein LOC569326 [Danio rerio]	gi 156739289	37972.2	6.45	8	547	100	513	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1017.5727	1017.5201	-0.0526	-52	224	232	ITGFVDIPR	71	99.998			Mascot
1017.5727	1017.5201	-0.0526	-52	224	232	ITGFVDIPR					Mascot
1222.5487	1222.4867	-0.062	-51	302	311	NSWSDKWGDK					Mascot
1346.6448	1346.6012	-0.0436	-32	38	48	SYHEDVEVGRR					Mascot
1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR	106	100			Mascot
1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR					Mascot
1938.8507	1938.7604	-0.0903	-47	319	335	DKNNHCGIATMASYP LM			Carbamidomethyl (C)[6], Oxidation (M)[11]		Mascot
1954.8456	1954.7512	-0.0944	-48	319	335	DKNNHCGIATMASYP LM			Carbamidomethyl (C)[6], Oxidation (M)[11,17]		Mascot

	2174.0989	2173.9995	-0.0994	-46	276	296	LDHAVLVVGYGYQGADV AGNR								Mascot
	2174.0989	2173.9995	-0.0994	-46	276	296	LDHAVLVVGYGYQGADV AGNR	152	100						Mascot
	2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR	183	100	Carbamidomethyl (C)[2,5]					Mascot
	2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]					Mascot
	2649.1819	2649.2053	0.0234	9	132	154	DQKQCGSCWSFSSTGAL EGQLFR			Carbamidomethyl (C)[5,8]					Mascot
3	hypothetical protein LOC564979 [Danio rerio]				gi 157311713		38002.1	6.31	7	541	100	513	100		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1017.5727	1017.5201	-0.0526	-52	224	232	ITGFVDIPR	71	99.998			Mascot
	1017.5727	1017.5201	-0.0526	-52	224	232	ITGFVDIPR					Mascot
	1222.5487	1222.4867	-0.062	-51	303	312	NSWSDKWGDK					Mascot
	1346.6448	1346.6012	-0.0436	-32	38	48	SYHEDVEVGRR					Mascot
	1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR	106	100			Mascot
	1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR					Mascot
	2174.0989	2173.9995	-0.0994	-46	277	297	LDHAVLVVGYGYQGADV AGNR					Mascot
	2174.0989	2173.9995	-0.0994	-46	277	297	LDHAVLVVGYGYQGADV AGNR	152	100			Mascot
	2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR	183	100	Carbamidomethyl (C)[2,5]		Mascot
	2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]		Mascot
	2649.1819	2649.2053	0.0234	9	132	154	DQKQCGSCWSFSSTGAL EGQLFR			Carbamidomethyl (C)[5,8]		Mascot

4	hypothetical protein LOC563390 [Danio rerio]				gi 156739275		38057.1	6.31	7	541	100	513	100		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1017.5727	1017.5201	-0.0526	-52	224	232	ITGFVDIPR	71	99.998			Mascot
	1017.5727	1017.5201	-0.0526	-52	224	232	ITGFVDIPR					Mascot
	1222.5487	1222.4867	-0.062	-51	302	311	NSWSDKWGDK					Mascot
	1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR	106	100			Mascot
	1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR					Mascot
	1938.8507	1938.7604	-0.0903	-47	319	335	DKNNHCGIATMASYPLM			Carbamidomethyl (C)[6], Oxidation (M)[11]		Mascot
	1954.8456	1954.7512	-0.0944	-48	319	335	DKNNHCGIATMASYPLM			Carbamidomethyl (C)[6], Oxidation (M)[11,17]		Mascot
	2174.0989	2173.9995	-0.0994	-46	276	296	LDHAVLVVGYGYQGADV AGNR					Mascot
	2174.0989	2173.9995	-0.0994	-46	276	296	LDHAVLVVGYGYQGADV	152	100			Mascot

	2278.0015	2277.8945	-0.107	-47	135	154	AGNR QCGSCWSFSSTGALEG QLFR	183	100	Carbamidomethyl (C)[2,5]	Mascot		
	2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]	Mascot		
	2649.1819	2649.2053	0.0234	9	132	154	DQKQCGSCWSFSSTGAL EGQLFR			Carbamidomethyl (C)[5,8]	Mascot		
5	PREDICTED: cathepsin L1 [Danio rerio]					gi 189525870	38017.2	6.36	7	529	100	502	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1222.5487	1222.4867	-0.062	-51	302	311	NSWSDKWGDK					Mascot
1346.6448	1346.6012	-0.0436	-32	38	48	SYHEDVEVGRR					Mascot
1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR	106	100			Mascot
1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR					Mascot
1938.8507	1938.7604	-0.0903	-47	319	335	DKNNHCGIATMASYPLM			Carbamidomethyl (C)[6], Oxidation (M)[11]		Mascot
1954.8456	1954.7512	-0.0944	-48	319	335	DKNNHCGIATMASYPLM			Carbamidomethyl (C)[6], Oxidation (M)[11,17]		Mascot
2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR	183	100	Carbamidomethyl (C)[2,5]		Mascot
2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]		Mascot
2649.1819	2649.2053	0.0234	9	132	154	DQKQCGSCWSFSSTGAL EGQLFR			Carbamidomethyl (C)[5,8]		Mascot
2721.3049	2721.1875	-0.1174	-43	271	296	ACTSQLDHAVLVVGYGY QGADVAGNR			Carbamidomethyl (C)[2]		Mascot
2721.3049	2721.1875	-0.1174	-43	271	296	ACTSQLDHAVLVVGYGY QGADVAGNR	212	100	Carbamidomethyl (C)[2]		Mascot

6	Cathepsin L, 1 b [Danio rerio]					gi 81294188	37990.1	5.99	7	473	100	442	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1222.5487	1222.4867	-0.062	-51	303	312	NSWSDKWGDK					Mascot
1346.6448	1346.6012	-0.0436	-32	38	48	SYHEDVEVGRR					Mascot
1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR	106	100			Mascot
1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR					Mascot
2174.0989	2173.9995	-0.0994	-46	277	297	LDHAVLVVGYGYQGADV AGNR					Mascot
2174.0989	2173.9995	-0.0994	-46	277	297	LDHAVLVVGYGYQGADV AGNR	152	100			Mascot
2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR	183	100	Carbamidomethyl (C)[2,5]		Mascot
2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]		Mascot
2649.1819	2649.2053	0.0234	9	132	154	DQKQCGSCWSFSSTGAL EGQLFR			Carbamidomethyl (C)[5,8]		Mascot
3845.7712	3845.6292	-0.142	-37	159	192	LISMSEQLNVDCSRPQG			Carbamidomethyl (C)[12,21], Oxidation (M)[4]		Mascot

		3861.7661	3861.6509	-0.1152	-30	159	192	NQGCNGGLMDLAFQYVK LISMSEQNLVDCSRPQG NQGCNGGLMDLAFQYVK						Carbamidomethyl (C)[12,21], Oxidation (M)[4,26]	Mascot
7	hypothetical protein LOC567623 [Danio rerio]					gi 162138968		37987.1	6.31	7	471	100	442	100	
Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank	Result Type
		1222.5487	1222.4867	-0.062	-51	303	312	NSWSDKWGDK							Mascot
		1346.6448	1346.6012	-0.0436	-32	38	48	SYHEDVEVGRR							Mascot
		1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR		106	100				Mascot
		1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR							Mascot
		2174.0989	2173.9995	-0.0994	-46	277	297	LDHAVLVVGYGYQGADV AGNR							Mascot
		2174.0989	2173.9995	-0.0994	-46	277	297	LDHAVLVVGYGYQGADV AGNR		152	100				Mascot
		2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR		183	100		Carbamidomethyl (C)[2,5]		Mascot
		2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR					Carbamidomethyl (C)[2,5]		Mascot
		2649.1819	2649.2053	0.0234	9	132	154	DQKQCGSCWSFSSTGAL EGQLFR					Carbamidomethyl (C)[5,8]		Mascot
		3845.7712	3845.6292	-0.142	-37	159	192	LISMSEQNLVDCSRPQG NQGCNGGLMDLAFQYVK					Carbamidomethyl (C)[12,21], Oxidation (M)[4]		Mascot
		3861.7661	3861.6509	-0.1152	-30	159	192	LISMSEQNLVDCSRPQG NQGCNGGLMDLAFQYVK					Carbamidomethyl (C)[12,21], Oxidation (M)[4,26]		Mascot
8	PREDICTED: cathepsin L1-like [Danio rerio]					gi 326672297		38038.1	6.25	7	469	100	442	100	
Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank	Result Type
		1222.5487	1222.4867	-0.062	-51	303	312	NSWSDKWGDK							Mascot
		1346.6448	1346.6012	-0.0436	-32	38	48	SYHEDVEVGRR							Mascot
		1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR		106	100				Mascot
		1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR							Mascot
		1938.8507	1938.7604	-0.0903	-47	320	336	DKNNHCGIATMASYP LM					Carbamidomethyl (C)[6], Oxidation (M)[11]		Mascot
		1954.8456	1954.7512	-0.0944	-48	320	336	DKNNHCGIATMASYP LM					Carbamidomethyl (C)[6], Oxidation (M)[11,17]		Mascot
		2174.0989	2173.9995	-0.0994	-46	277	297	LDHAVLVVGYGYQGADV AGNR							Mascot
		2174.0989	2173.9995	-0.0994	-46	277	297	LDHAVLVVGYGYQGADV AGNR		152	100				Mascot
		2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR		183	100		Carbamidomethyl (C)[2,5]		Mascot
		2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR					Carbamidomethyl (C)[2,5]		Mascot
		2649.1819	2649.2053	0.0234	9	132	154	DQKQCGSCWSFSSTGAL EGQLFR					Carbamidomethyl (C)[5,8]		Mascot
9	PREDICTED: cathepsin L1-like [Danio rerio]					gi 326672302		37980.1	6.45	7	468	100	442	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1222.5487	1222.4867	-0.062	-51	302	311	NSWSDKWGDK					Mascot
1346.6448	1346.6012	-0.0436	-32	38	48	SYHEDVEVGRR					Mascot
1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR	106	100			Mascot
1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR					Mascot
1938.8507	1938.7604	-0.0903	-47	319	335	DKNNHCGIATMASYP LM			Carbamidomethyl (C)[6], Oxidation (M)[11]		Mascot
1954.8456	1954.7512	-0.0944	-48	319	335	DKNNHCGIATMASYP LM			Carbamidomethyl (C)[6], Oxidation (M)[11,17]		Mascot
2174.0989	2173.9995	-0.0994	-46	276	296	LDHAVLVVGYGYQGADV AGNR					Mascot
2174.0989	2173.9995	-0.0994	-46	276	296	LDHAVLVVGYGYQGADV AGNR	152	100			Mascot
2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR	183	100	Carbamidomethyl (C)[2,5]		Mascot
2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]		Mascot
2649.1819	2649.2053	0.0234	9	132	154	DQKQCGSCWSFSSTGAL EGQLFR			Carbamidomethyl (C)[5,8]		Mascot

10 cathepsin L, 1 b [Danio rerio] gi|18858809 38005.1 5.99 6 466 100 442 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1222.5487	1222.4867	-0.062	-51	303	312	NSWSDKWGDK					Mascot
1346.6448	1346.6012	-0.0436	-32	38	48	SYHEDVEVGRR					Mascot
1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR	106	100			Mascot
1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR					Mascot
2174.0989	2173.9995	-0.0994	-46	277	297	LDHAVLVVGYGYQGADV AGNR					Mascot
2174.0989	2173.9995	-0.0994	-46	277	297	LDHAVLVVGYGYQGADV AGNR	152	100			Mascot
2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR	183	100	Carbamidomethyl (C)[2,5]		Mascot
2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]		Mascot
2649.1819	2649.2053	0.0234	9	132	154	DQKQCGSCWSFSSTGAL EGQLFR			Carbamidomethyl (C)[5,8]		Mascot

11 PREDICTED: cathepsin L1-like isoform 1 [Danio rerio] gi|189525868 37946.1 6.14 6 465 100 442 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1222.5487	1222.4867	-0.062	-51	303	312	NSWSDKWGDK					Mascot

	1346.6448	1346.6012	-0.0436	-32	38	48	SYHEDVEVGRR										Mascot
	1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR	106	100								Mascot
	1498.7173	1498.645	-0.0723	-48	196	208	GLDSEQSYPYLAR										Mascot
	2174.0989	2173.9995	-0.0994	-46	277	297	LDHAVLVVGYGYQGADV AGNR										Mascot
	2174.0989	2173.9995	-0.0994	-46	277	297	LDHAVLVVGYGYQGADV AGNR	152	100								Mascot
	2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR	183	100	Carbamidomethyl (C)[2,5]							Mascot
	2278.0015	2277.8945	-0.107	-47	135	154	QCGSCWSFSSTGALEG QLFR			Carbamidomethyl (C)[2,5]							Mascot
	2649.1819	2649.2053	0.0234	9	132	154	DQKQCGSCWSFSSTGAL EQQLFR			Carbamidomethyl (C)[5,8]							Mascot
12	vitellogenin 1 [Danio rerio]					gi 166795887	149452.5	8.68	8	256	100	243	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1070.4861	1070.4818	-0.0043	-4	921	929	NIEDHSAER							Mascot
1070.4861	1070.4818	-0.0043	-4	921	929	NIEDHSAER	3	0					Mascot
1515.7478	1515.6729	-0.0749	-49	733	745	VFGQEVAYVNFDK							Mascot
1515.7478	1515.6729	-0.0749	-49	733	745	VFGQEVAYVNFDK	79	100					Mascot
1767.9673	1767.8766	-0.0907	-51	746	761	TIIEEAIPMTGPKPR				Oxidation (M)[9]			Mascot
1954.8745	1954.7512	-0.1233	-63	147	163	TQNIYEMQEAGAQGVCR				Carbamidomethyl (C)[16]			Mascot
2174.1968	2173.9995	-0.1973	-91	770	789	ALQEGVAFQYAKPLLAEE VR							Mascot
2174.1968	2173.9995	-0.1973	-91	770	789	ALQEGVAFQYAKPLLAEE VR	5	0					Mascot
2233.2009	2232.9709	-0.23	-103	593	614	SLTRITAPDMAYVAGAAN VAIK							Mascot
2627.3716	2627.2556	-0.116	-44	897	920	VEALPVELPEHIASASFET YAVVR	159	100					Mascot
2627.3716	2627.2556	-0.116	-44	897	920	VEALPVELPEHIASASFET YAVVR							Mascot
3089.5942	3089.4661	-0.1281	-41	893	920	GNYKVEALPVELPEHIAS ASFETYAVVR							Mascot

13	Vtg1 protein [Danio rerio]				gi 145337918		116565.5	9.07	7	256	100	242	100			
Peptide Information																
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	%	Modification		Rank	Result	Type
1070.4861		1070.4818	-0.0043	-4	627	635 NIEDHSAER										Mascot
1070.4861		1070.4818	-0.0043	-4	627	635 NIEDHSAER		3		0						Mascot
1515.7478		1515.6729	-0.0749	-49	439	451 VFGQEVAYVNFDK										Mascot
1515.7478		1515.6729	-0.0749	-49	439	451 VFGQEVAYVNFDK		79		100						Mascot
1723.9412		1723.8583	-0.0829	-48	452	467 TIIEEAIPMATGPKPR										Mascot

	1739.936	1739.8535	-0.0825	-47	452	467	TIIEEAIPMATGPKPR						Oxidation (M)[9]		Mascot
	2174.1968	2173.9995	-0.1973	-91	476	495	ALQEGVAFQYAKPLLAEE VR								Mascot
	2174.1968	2173.9995	-0.1973	-91	476	495	ALQEGVAFQYAKPLLAEE VR	5		0					Mascot
	2187.1624	2186.8879	-0.2745	-126	303	324	ITAPDMASVAGAANVAIK LMSR								Mascot
	2203.1572	2202.9031	-0.2541	-115	303	324	ITAPDMASVAGAANVAIK LMSR						Oxidation (M)[6]		Mascot
	2627.3716	2627.2556	-0.116	-44	603	626	VEALPVELPEHIASASFET YAVVR	159		100					Mascot
	2627.3716	2627.2556	-0.116	-44	603	626	VEALPVELPEHIASASFET YAVVR								Mascot
	3089.5942	3089.4661	-0.1281	-41	599	626	GNYKVEALPVELPEHIAS ASFETYAVVR								Mascot
14	vitellogenin 1 [Danio rerio]				gi 94733730		149140.4	8.74	8	255	100	242	100		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1070.4861	1070.4818	-0.0043	-4	921	929	NIEDHSAER					Mascot
1070.4861	1070.4818	-0.0043	-4	921	929	NIEDHSAER	3		0		Mascot
1515.7478	1515.6729	-0.0749	-49	733	745	VFGQEVAYVNFDK					Mascot
1515.7478	1515.6729	-0.0749	-49	733	745	VFGQEVAYVNFDK	79		100		Mascot
1723.9412	1723.8583	-0.0829	-48	746	761	TIIEEAIPMATGPKPR					Mascot
1739.936	1739.8535	-0.0825	-47	746	761	TIIEEAIPMATGPKPR			Oxidation (M)[9]		Mascot
1954.8745	1954.7512	-0.1233	-63	147	163	TQNIYEMQEAGAQQVCR			Carbamidomethyl (C)[16]		Mascot
2174.1968	2173.9995	-0.1973	-91	770	789	ALQEGVAFQYAKPLLAEE VR					Mascot
2174.1968	2173.9995	-0.1973	-91	770	789	ALQEGVAFQYAKPLLAEE VR	5		0		Mascot
2187.1624	2186.8879	-0.2745	-126	597	618	ITAPDMASVAGAANVAIK LMSR					Mascot
2203.1572	2202.9031	-0.2541	-115	597	618	ITAPDMASVAGAANVAIK LMSR			Oxidation (M)[6]		Mascot
2627.3716	2627.2556	-0.116	-44	897	920	VEALPVELPEHIASASFET YAVVR	159		100		Mascot
2627.3716	2627.2556	-0.116	-44	897	920	VEALPVELPEHIASASFET YAVVR					Mascot
3089.5942	3089.4661	-0.1281	-41	893	920	GNYKVEALPVELPEHIAS ASFETYAVVR					Mascot

15	vitellogenin 7 [Danio rerio]				gi 156713467		148739.2	8.76	8	97	100	84	100		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1070.4861	1070.4818	-0.0043	-4	921	929	NIEDHSAER					Mascot
1070.4861	1070.4818	-0.0043	-4	921	929	NIEDHSAER	3		0		Mascot

	1515.7478	1515.6729	-0.0749	-49	733	745	VFGQEVAYVNFDK									Mascot
	1515.7478	1515.6729	-0.0749	-49	733	745	VFGQEVAYVNFDK	79	100							Mascot
	1537.7467	1537.6478	-0.0989	-64	981	994	GCVEVHSYNAAFIK									Mascot
	1737.8992	1737.8748	-0.0244	-14	119	134	VFAPAGVSPTVMNLYR				Oxidation (M)[12]					Mascot
	1753.9517	1753.8682	-0.0835	-48	746	761	TIIEEAIPMVSGPKPR				Oxidation (M)[9]					Mascot
	2174.1968	2173.9995	-0.1973	-91	770	789	ALQEGVAFQYAKPLLAEE VR									Mascot
	2174.1968	2173.9995	-0.1973	-91	770	789	ALQEGVAFQYAKPLLAEE VR	5	0							Mascot
	2607.4028	2607.2961	-0.1067	-41	897	920	VETLPVELPEHIASASFET LAVVR									Mascot
	3337.7539	3337.6672	-0.0867	-26	1179	1208	LLGYQLAAYFDKPTARVQ LIASSIAENDNR									Mascot
16	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94732723 147084.2 8.73 7 96 99.999 84 100															

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1070.4861	1070.4818	-0.0043	-4	921	929	NIEDHSAER						Mascot
1070.4861	1070.4818	-0.0043	-4	921	929	NIEDHSAER	3	0				Mascot
1515.7478	1515.6729	-0.0749	-49	733	745	VFGQEVAYVNFDK						Mascot
1515.7478	1515.6729	-0.0749	-49	733	745	VFGQEVAYVNFDK	79	100				Mascot
1737.8992	1737.8748	-0.0244	-14	119	134	VFAPAGVSPTVMNLYR				Oxidation (M)[12]		Mascot
1753.9517	1753.8682	-0.0835	-48	746	761	TIIEEAIPMVSGPKPR				Oxidation (M)[9]		Mascot
2174.1968	2173.9995	-0.1973	-91	770	789	ALQEGVAFQYAKPLLAEE VR						Mascot
2174.1968	2173.9995	-0.1973	-91	770	789	ALQEGVAFQYAKPLLAEE VR	5	0				Mascot
2607.4028	2607.2961	-0.1067	-41	897	920	VETLPVELPEHIASASFET LAVVR						Mascot
3337.7539	3337.6672	-0.0867	-26	1164	1193	LLGYQLAAYFDKPTARVQ LIASSIAENDNR						Mascot

17 vitellogenin 5 [Danio rerio] gi|68448530 148868 8.77 9 92 99.997 79 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1015.5781	1015.4449	-0.1332	-131	684	693	TGGINEALLK						Mascot
1070.4861	1070.4818	-0.0043	-4	921	929	NIEDHSAER						Mascot
1070.4861	1070.4818	-0.0043	-4	921	929	NIEDHSAER	3	0				Mascot
1324.5975	1324.624	0.0265	20	1067	1079	NTPVSESSSSSR						Mascot
1515.7478	1515.6729	-0.0749	-49	733	745	VFGQEVAYVNFDK						Mascot
1515.7478	1515.6729	-0.0749	-49	733	745	VFGQEVAYVNFDK	79	100				Mascot

1549.8373	1549.7631	-0.0742	-48	719	732	ALPTDRPLASAYFK								Mascot
1737.9568	1737.8748	-0.082	-47	746	761	SIIEEAIPMTGPKPR								Mascot
1753.9517	1753.8682	-0.0835	-48	746	761	SIIEEAIPMTGPKPR					Oxidation (M)[9]			Mascot
1954.8745	1954.7512	-0.1233	-63	147	163	TQNIYEMQEAGAQQGVCR					Carbamidomethyl (C)[16]			Mascot
2278.2	2277.8945	-0.3055	-134	283	302	GSLQYELASEILQTPLQL MK					Oxidation (M)[19]			Mascot
2278.2	2277.8945	-0.3055	-134	283	302	GSLQYELASEILQTPLQL MK					Oxidation (M)[19]			Mascot
2577.3923	2577.2839	-0.1084	-42	897	920	VEALPVELPEHIASASFET LAVVR								Mascot

18 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94733731 149169.2 8.84 9 91 99.997 79 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1015.5781	1015.4449	-0.1332	-131	688	697	TGGINEALLK					Mascot
1070.4861	1070.4818	-0.0043	-4	925	933	NIEDHSAER					Mascot
1070.4861	1070.4818	-0.0043	-4	925	933	NIEDHSAER	3		0		Mascot
1324.5975	1324.624	0.0265	20	1071	1083	NTPVSESSSSSR					Mascot
1515.7478	1515.6729	-0.0749	-49	737	749	VFGQEVAYVNFDK					Mascot
1515.7478	1515.6729	-0.0749	-49	737	749	VFGQEVAYVNFDK	79		100		Mascot
1549.8373	1549.7631	-0.0742	-48	723	736	ALPTDRPLASAYFK					Mascot
1737.8992	1737.8748	-0.0244	-14	123	138	VFAPAGVSPTVMNLYR			Oxidation (M)[12]		Mascot
1753.9517	1753.8682	-0.0835	-48	750	765	SIIEEAIPMTGPKPR			Oxidation (M)[9]		Mascot
1954.8745	1954.7512	-0.1233	-63	151	167	TQNIYEMQEAGAQQGVCR			Carbamidomethyl (C)[16]		Mascot
2577.3923	2577.2839	-0.1084	-42	901	924	VEALPVELPEHIASASFET LAVVR					Mascot

19 Zgc:136383 protein [Danio rerio] gi|159155252 123957.1 8.78 7 90 99.996 79 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.5465	1045.509	-0.0375	-36	1123	1130	DFLSWIHK					Mascot
1070.4861	1070.4818	-0.0043	-4	698	706	NIEDHSAER					Mascot
1070.4861	1070.4818	-0.0043	-4	698	706	NIEDHSAER	3		0		Mascot
1102.6038	1102.4674	-0.1364	-124	1094	1102	IPEITMSRR					Mascot
1515.7478	1515.6729	-0.0749	-49	510	522	VFGQEVAYVNFDK					Mascot
1515.7478	1515.6729	-0.0749	-49	510	522	VFGQEVAYVNFDK	79		100		Mascot
1737.9568	1737.8748	-0.082	-47	523	538	TIIEEAIPMVAGPKPR			Oxidation (M)[9]		Mascot
2233.2009	2232.9709	-0.23	-103	370	391	SLTRITAPDMAYVAGAAAN VAIK					Mascot

	2563.3765	2563.2632	-0.1133	-44	674	697	VEALPVDLPEHIASASFE TLAVVR											Mascot
20	hypothetical protein LOC678536 [Danio rerio]				gi 160420306		148750.2	8.89	7	89	99.995	79	100					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1045.5465	1045.509	-0.0375	-36	1346	1353	DFLSWIHK							Mascot
1070.4861	1070.4818	-0.0043	-4	921	929	NIEDHSAER							Mascot
1070.4861	1070.4818	-0.0043	-4	921	929	NIEDHSAER	3		0				Mascot
1102.6038	1102.4674	-0.1364	-124	1317	1325	IPEITMSRR							Mascot
1515.7478	1515.6729	-0.0749	-49	733	745	VFGQEVAYVNFDK							Mascot
1515.7478	1515.6729	-0.0749	-49	733	745	VFGQEVAYVNFDK	79		100				Mascot
1767.9673	1767.8766	-0.0907	-51	746	761	TIIEEAIPMTGPKPR				Oxidation (M)[9]			Mascot
2233.2009	2232.9709	-0.23	-103	593	614	SLTRITAPDMAYVAGAAN VAIK							Mascot
2563.3765	2563.2632	-0.1133	-44	897	920	VEALPVDLPEHIASASFE TLAVVR							Mascot

21	vitellogenin 5 [Danio rerio]				gi 57864785		72820.8	9	5	88	99.992	79	100					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1324.5975	1324.624	0.0265	20	376	388	NTPVSSESSSSSR							Mascot
1515.7478	1515.6729	-0.0749	-49	42	54	VFGQEVAYVNFDK							Mascot
1515.7478	1515.6729	-0.0749	-49	42	54	VFGQEVAYVNFDK	79		100				Mascot
1549.8373	1549.7631	-0.0742	-48	28	41	ALPTDRPLASAYFK							Mascot
1737.9568	1737.8748	-0.082	-47	55	70	SIIEEAIPMTGPKPR							Mascot
1753.9517	1753.8682	-0.0835	-48	55	70	SIIEEAIPMTGPKPR				Oxidation (M)[9]			Mascot
2577.3923	2577.2839	-0.1084	-42	206	229	VEALPVELPEHIASASFET LAVVR							Mascot

22	vitellogenin 1 [Danio rerio]				gi 21391472		127954.2	8.69	5	87	99.99	84	100					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1070.4861	1070.4818	-0.0043	-4	730	738	NIEDHSAER							Mascot
1070.4861	1070.4818	-0.0043	-4	730	738	NIEDHSAER	3		0				Mascot
1515.7478	1515.6729	-0.0749	-49	542	554	VFGQEVAYVNFDK							Mascot
1515.7478	1515.6729	-0.0749	-49	542	554	VFGQEVAYVNFDK	79		100				Mascot
1723.9412	1723.8583	-0.0829	-48	555	570	TIIEEAIPMATGPKPR							Mascot

	1739.936	1739.8535	-0.0825	-47	555	570	TIIEEAIPMATGPKPR						Oxidation (M)[9]	Mascot
	2174.1968	2173.9995	-0.1973	-91	579	598	ALQEGVAFQYAKPLLAEE VR							Mascot
	2174.1968	2173.9995	-0.1973	-91	579	598	ALQEGVAFQYAKPLLAEE VR	5		0				Mascot
	2187.1624	2186.8879	-0.2745	-126	406	427	ITAPDMASVAGAANVAIK LMSR							Mascot
	2203.1572	2202.9031	-0.2541	-115	406	427	ITAPDMASVAGAANVAIK LMSR						Oxidation (M)[6]	Mascot
23	vitellogenin 6 [Danio rerio]					gi 303227889	150936.1	8.84	6	87	99.99	84	100	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1015.5781	1015.4449	-0.1332	-131	695	704	TGGINEALLK					Mascot
	1070.4861	1070.4818	-0.0043	-4	932	940	NIEDHSAER					Mascot
	1070.4861	1070.4818	-0.0043	-4	932	940	NIEDHSAER	3		0		Mascot
	1515.7478	1515.6729	-0.0749	-49	744	756	VFGQEVAYVNFDK					Mascot
	1515.7478	1515.6729	-0.0749	-49	744	756	VFGQEVAYVNFDK	79		100		Mascot
	1767.9673	1767.8766	-0.0907	-51	757	772	TIIEEAIPMTGPKPR			Oxidation (M)[9]		Mascot
	2174.1968	2173.9995	-0.1973	-91	781	800	ALQEGVAFQYAKPLLAEE VR					Mascot
	2174.1968	2173.9995	-0.1973	-91	781	800	ALQEGVAFQYAKPLLAEE VR	5		0		Mascot
	2233.2009	2232.9709	-0.23	-103	604	625	SLTRITAPDMAYVAGAAN VAIK					Mascot

24 PREDICTED: zinc finger protein 569-like [Danio rerio] gi|326678767 45438 9.7 13 41 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	882.4059	882.5227	0.1168	132	1	7	MTENLMK			Oxidation (M)[1]		Mascot
	1017.4128	1017.5201	0.1073	105	110	118	SYTCQQCGK					Mascot
	1017.4128	1017.5201	0.1073	105	110	118	SYTCQQCGK					Mascot
	1086.5071	1086.4794	-0.0277	-25	49	58	SKLGCNFSCK					Mascot
	1265.6532	1265.5886	-0.0646	-51	184	193	IHMRIHTGER			Oxidation (M)[3]		Mascot
	1498.6769	1498.645	-0.0319	-21	8	19	EQTHQQNEIDEK					Mascot
	1498.6769	1498.645	-0.0319	-21	8	19	EQTHQQNEIDEK					Mascot
	1707.736	1707.6974	-0.0386	-23	188	202	IHTGERSCTCQQCGK			Carbamidomethyl (C)[8]		Mascot
	1723.7778	1723.8583	0.0805	47	272	286	IHTGEKPYTCTECGK			Carbamidomethyl (C)[10]		Mascot
	1767.7902	1767.8766	0.0864	49	104	118	IHTGERSYTCQQCGK			Carbamidomethyl (C)[10]		Mascot
	2278.0266	2277.8945	-0.1321	-58	80	99	EQPYTCEQCGKSFGQIQ GFK					Mascot

	2278.0266	2277.8945	-0.1321	-58	80	99	EQPYTCEQCGKSFGQIQ GFK										Mascot
	2283.0896	2283.075	-0.0146	-6	160	179	VHTGEKPYTCEQCGKIFS QK										Mascot
	2294.0693	2293.8799	-0.1894	-83	272	291	IHTGEKPYTCTECGKSFA HK						Carbamidomethyl (C)[10]				Mascot
	2577.1755	2577.2839	0.1084	42	324	346	NHMNGHTGTIVFTCDQC GKSLTR						Carbamidomethyl (C)[14]				Mascot
	2627.2024	2627.2556	0.0532	20	292	314	STLNHHMRTHTGEKPFA CAQCGK						Carbamidomethyl (C)[18], Oxidation (M)[7]				Mascot
	2627.2024	2627.2556	0.0532	20	292	314	STLNHHMRTHTGEKPFA CAQCGK						Carbamidomethyl (C)[18], Oxidation (M)[7]				Mascot
25	sodium channel, voltage-gated, type VIII, alpha b [Danio g 113675683 222400.8 5.54 10 39 0 30 77.227 erio]																

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1017.5033	1017.5201	0.0168	17	881	889	IAESCELP	30	77.227			Mascot
1017.5033	1017.5201	0.0168	17	881	889	IAESCELP					Mascot
1031.3995	1031.4419	0.0424	41	335	343	CPEGYTCMK					Mascot
1045.4908	1045.509	0.0182	17	1901	1910	LENGGGNQE					Mascot
1265.5393	1265.5886	0.0493	39	593	604	SSYSGYSQGSSR					Mascot
1324.5872	1324.624	0.0368	28	1830	1841	VLGDSGDLMMR			Oxidation (M)[10]		Mascot
1677.8918	1677.7216	-0.1702	-101	1869	1882	QEEVSAIVIQRSYR					Mascot
2196.115	2195.9766	-0.1384	-63	535	554	KASIMNQSLLSIPGSPFM SR			Oxidation (M)[5, 18]		Mascot
2225.165	2225.0193	-0.1457	-65	699	716	FANTFLIWECCPIWIKI					Mascot
2283.0669	2283.075	0.0081	4	1029	1051	CGDLNYPKNGNGTSGI GSSVGK			Carbamidomethyl (C)[1]		Mascot
3089.4333	3089.4661	0.0328	11	692	714	CPPCWYKFANTFLIWE CPIWIK			Carbamidomethyl (C)[1,4,17,18]		Mascot

26	hypothetical protein LOC100037310 [Danio rerio]				gi 147900003		27825.6	8.46	7	37	0				
Peptide Information															
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type			
842.4189		842.4659	0.047	56	2	9	AAPHSTMK							Mascot	
1031.5956		1031.4419	-0.1537	-149	108	117	RVAATSVATR							Mascot	
1292.7395		1292.5969	-0.1426	-110	147	157	IKFLTDGMLVR							Mascot	
1320.5273		1320.521	-0.0063	-5	136	146	FDDCSDPHATR			Carbamidomethyl (C)[4]				Mascot	
1718.7656		1718.8257	0.0601	35	214	228	FQDFFNLNESGDASK							Mascot	
2096.0588		2095.8804	-0.1784	-85	149	166	FLTDGMLVREMMSDPLL K							Mascot	
2721.2473		2721.1875	-0.0598	-22	123	146	GAFLGHEVGYTIRFDDCS DPHATR			Carbamidomethyl (C)[17]				Mascot	

	2721.2473	2721.1875	-0.0598	-22	123	146	GAFLGHEVGYTIRFDDCS DPHATR				Carbamidomethyl (C)[17]	Mascot
27	KDEL motif-containing protein 2 [Danio rerio]				gi 148922833	59478.5	8.4	5	36	0	13	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
868.5073	868.4819	-0.0254	-29	1	7 MILHINK					Mascot
999.4894	999.4486	-0.0408	-41	472	479 VFQTYADR	13	0			Mascot
999.4894	999.4486	-0.0408	-41	472	479 VFQTYADR					Mascot
1015.4593	1015.4449	-0.0144	-14	465	471 LYCYYYK					Mascot
1017.5839	1017.5201	-0.0638	-63	95	103 IHVPAPLDR	14	0			Mascot
1017.5839	1017.5201	-0.0638	-63	95	103 IHVPAPLDR					Mascot
1086.5579	1086.4794	-0.0785	-72	215	223 SLGRYTDFK					Mascot

28	mitochondrial uncoupling protein 3 [Danio rerio]				gi 37681967	33714.6	10.02	8	35	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
882.4283	882.5227	0.0944	107	296	302 RAMMVSR			Oxidation (M)[3,4]		Mascot
996.4713	996.5441	0.0728	73	297	304 AMMVSRNR			Oxidation (M)[2,3]		Mascot
1070.6317	1070.4818	-0.1499	-140	39	47 VRLQIQGEK					Mascot
1070.6317	1070.4818	-0.1499	-140	39	47 VRLQIQGEK					Mascot
1520.775	1520.6222	-0.1528	-100	143	155 FQAQMNQLQGVGRR			Oxidation (M)[5]		Mascot
1677.9608	1677.7216	-0.2392	-143	1	16 MVGLKPSDVPPLTVK					Mascot
1739.8567	1739.8535	-0.0032	-2	60	75 GVFGTISTMMRTEGPR					Mascot
2196.0708	2195.9766	-0.0942	-43	119	140 ILAGCTTGAMAVSMAQP TDVVK			Oxidation (M)[10,14]		Mascot
2211.1702	2211.0051	-0.1651	-75	76	95 SLYNGLVAGLQRQMAFA SIR			Oxidation (M)[14]		Mascot

29	PREDICTED: oocyte zinc finger protein XICOF6 [Danio rerio]				gi 326680598	40266.1	9.1	11	34	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1520.6984	1520.6222	-0.0762	-50	261	273 LFSCTQCGKSFSR			Carbamidomethyl (C)[4]		Mascot
1536.7158	1536.5989	-0.1169	-76	106	118 SSSLNHHMMIHAR			Oxidation (M)[8]		Mascot
1549.6635	1549.7631	0.0996	64	214	226 CFSQSSSLNHHMR			Oxidation (M)[12]		Mascot
1677.8199	1677.7216	-0.0983	-59	171	185 IHTGEKPFCTCRGK					Mascot

	2170.0645	2169.8655	-0.199	-92	139	157	QHTRIHIGDKPFTCTQCG K						Mascot
	2174.0051	2173.9995	-0.0056	-3	196	213	HMRVHTGEKPFTCTQCG K	Carbamidomethyl (C)[13,16]					Mascot
	2174.0051	2173.9995	-0.0056	-3	196	213	HMRVHTGEKPFTCTQCG K	Carbamidomethyl (C)[13,16]					Mascot
	2187.062	2186.8879	-0.1741	-80	83	101	IHMRIHTGEKPFTCTQCG K						Mascot
	2203.0205	2202.9031	-0.1174	-53	279	297	EHMRIHTGEKPFTCTQC GK						Mascot
	2211.0435	2211.0051	-0.0384	-17	87	105	IHTGEKPFTCTQCGKSFN R	Carbamidomethyl (C)[10]					Mascot
	2284.1074	2284.0698	-0.0376	-16	139	157	QHTRIHIGDKPFTCTQCG K	Carbamidomethyl (C)[14,17]					Mascot
	2743.2683	2743.1721	-0.0962	-35	106	129	SSSLNHHMMIHAREKPFT CTQCGK						Mascot
	3337.4717	3337.6672	0.1955	59	199	226	VHTGEKPFTCTQCGKCF SQSSSLNHHMR	Carbamidomethyl (C)[10,13,16], Oxidation (M)[27]					Mascot
30	novel protein [Danio rerio]				gi 169146287		32427.4	6.55	8	34	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.4457	868.4819	0.0362	42	246	252	RVCSTFR					Mascot
1092.6047	1092.4591	-0.1456	-133	221	230	SLVVLYGDAR					Mascot
1338.6038	1338.6365	0.0327	24	12	24	AIALMMNPSCGCK					Mascot
1549.7428	1549.7631	0.0203	13	91	102	ELVSRMDQDVWR			Oxidation (M)[6]		Mascot
1737.8267	1737.8748	0.0481	28	12	27	AIALMMNPSCGCKGIR			Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot
1753.8215	1753.8682	0.0467	27	12	27	AIALMMNPSCGCKGIR			Carbamidomethyl (C)[10], Oxidation (M)[5,6]		Mascot
2195.9487	2195.9766	0.0279	13	6	24	ATHNCKAIALMMNPSCG CK			Carbamidomethyl (C)[5,16,18], Oxidation (M)[11,12]		Mascot
2278.1865	2277.8945	-0.292	-128	44	62	NDLIHYDFIYDPVLKSAVR					Mascot
2278.1865	2277.8945	-0.292	-128	44	62	NDLIHYDFIYDPVLKSAVR					Mascot
2283.1074	2283.075	-0.0324	-14	247	266	VCSTFRELSAEFLPGGQ QEK			Carbamidomethyl (C)[2]		Mascot

31 sorting nexin family member 27 [Danio rerio] gi|41054611 64121.8 5.8 10 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5094	842.4659	-0.0435	-52	121	127	QVVDLIR					Mascot
1070.5305	1070.4818	-0.0487	-45	215	223	EFANFAFPK					Mascot
1070.5305	1070.4818	-0.0487	-45	215	223	EFANFAFPK					Mascot
1292.6368	1292.5969	-0.0399	-31	547	557	DEYLPVETQK					Mascot
1478.859	1478.7294	-0.1296	-88	445	457	GHVITAISIRHFK					Mascot
2225.0283	2225.0193	-0.009	-4	24	47	NGSGMSAGTCAGGLVAT			Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot

		2232.8743	2232.9709	0.0966	43	425	442	TVTSGPR	TCEGYNEITFPHCSCDSR							Carbamidomethyl (C)[2,13,15]	Mascot
		2283.9321	2284.0698	0.1377	60	482	500	WDTDEEGMAFCFEYARG EK									Mascot
		2299.927	2299.8782	-0.0488	-21	482	500	WDTDEEGMAFCFEYARG EK								Oxidation (M)[8]	Mascot
		2577.2871	2577.2839	-0.0032	-1	24	50	NGSGMSAGTCAGGLVAT TVTSGPRLVR								Carbamidomethyl (C)[10]	Mascot
		3089.5876	3089.4661	-0.1215	-39	337	363	LAPNEFPHKLYVQNYTSA VPGTCLTLR								Carbamidomethyl (C)[23]	Mascot
		3845.7732	3845.6292	-0.144	-37	256	289	VIGESDIMQEFLSESDEN YNGVSDVELRIAMPDK								Oxidation (M)[8]	Mascot
		3861.7681	3861.6509	-0.1172	-30	256	289	VIGESDIMQEFLSESDEN YNGVSDVELRIAMPDK								Oxidation (M)[8,31]	Mascot
32	PREDICTED: putative uncharacterized zinc finger protein 814-like [Danio rerio]							gij292610426	61962.5	9.03	15	34	0				
		Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification		Rank	Result Type		
		996.5472	996.5441	-0.0031	-3	350	358	IHTGEKPSK								Mascot	
		999.5258	999.4486	-0.0772	-77	310	317	FTDRGYIK								Mascot	
		999.5258	999.4486	-0.0772	-77	310	317	FTDRGYIK								Mascot	
		1015.4335	1015.4449	0.0114	11	440	448	LHECPEGCK								Mascot	
		1031.5632	1031.4419	-0.1213	-118	337	345	SFTHKGNLK								Mascot	
		1045.5789	1045.509	-0.0699	-67	365	373	SFTHKGQLK								Mascot	
		1164.5127	1164.5085	-0.0042	-4	37	46	EERQESSDGK								Mascot	
		1515.8754	1515.6729	-0.2025	-134	346	358	IHIRHTGEKPSK								Mascot	
		1515.8754	1515.6729	-0.2025	-134	346	358	IHIRHTGEKPSK								Mascot	
		1520.7638	1520.6222	-0.1416	-93	490	502	LHTDERPHVCSVK								Mascot	
		1718.7625	1718.8257	0.0632	37	154	168	LHTEDGPFCGQCGK				Carbamidomethyl (C)[10,13]				Mascot	
		1723.8295	1723.8583	0.0288	17	182	196	IHYAGKPFTCELCGK				Carbamidomethyl (C)[10]				Mascot	
		1753.7771	1753.8682	0.0911	52	528	543	EQTEELLGQCPFLCGS								Mascot	
		2170.0103	2169.8655	-0.1448	-67	319	336	HMRSHTEKPFICPQCG K				Carbamidomethyl (C)[13,16]				Mascot	
		2174.0303	2173.9995	-0.0308	-14	458	476	MHLLIHSGERPFSCDKC GK				Oxidation (M)[1]				Mascot	
		2174.0303	2173.9995	-0.0308	-14	458	476	MHLLIHSGERPFSCDKC GK				Oxidation (M)[1]				Mascot	
		2203.0496	2202.9031	-0.1465	-66	402	420	THSRTHSGVKPYSLQC GK				Carbamidomethyl (C)[14,17]				Mascot	
		2225.0703	2225.0193	-0.051	-23	206	224	IHTRIHTGEKPYTCSHCG K				Carbamidomethyl (C)[14]				Mascot	
33	PREDICTED: myomesin-2 [Danio rerio]							gij326671673	164417.3	8.26	16	34	0				

			Seq.		Seq.		Score			
	842.3899	842.4659	0.076	90	1212	1217	LQCYMK		Carbamidomethyl (C)[3]	Mascot
	1017.5033	1017.5201	0.0168	17	283	291	DDALLMPSR			Mascot
	1017.5727	1017.5201	-0.0526	-52	121	129	APDFLVSLR			Mascot
	1086.5619	1086.4794	-0.0825	-76	1121	1128	ETKFTWFK			Mascot
	1092.554	1092.4591	-0.0949	-87	103	111	EVKGMMPLR		Oxidation (M)[5,6]	Mascot
	1515.6785	1515.6729	-0.0056	-4	529	540	SPRYPVYDMEDK		Oxidation (M)[9]	Mascot
	1515.6785	1515.6729	-0.0056	-4	529	540	SPRYPVYDMEDK		Oxidation (M)[9]	Mascot
	1520.7699	1520.6222	-0.1477	-97	1309	1322	VMGGLPDVVTIMEK		Oxidation (M)[2,12]	Mascot
	1549.8584	1549.7631	-0.0953	-61	1060	1074	AKSQSSLVLVGDAFK			Mascot
	1677.7723	1677.7216	-0.0507	-30	392	405	DWVQCNDSPVKVCK		Carbamidomethyl (C)[5]	Mascot
	1707.8853	1707.6974	-0.1879	-110	631	645	FVVHGLTPGDTYVFR			Mascot
	2095.9355	2095.8804	-0.0551	-26	1278	1295	NFDLSGQAYTDAYAEFQ R			Mascot
	2278.1326	2277.8945	-0.2381	-105	502	520	APWYWLIEKCVGDSDIW QR			Mascot
	2278.1326	2277.8945	-0.2381	-105	502	520	APWYWLIEKCVGDSDIW QR			Mascot
	2284.0229	2284.0698	0.0469	21	1240	1259	MRIGGTSEMAWMQICEP TDK			Mascot
	2294.1431	2293.8799	-0.2632	-115	435	456	MSSGVTTGEVESDVEVIK IEGK			Mascot
	2300.0178	2299.8782	-0.1396	-61	1240	1259	MRIGGTSEMAWMQICEP TDK		Oxidation (M)[1]	Mascot
	3089.5823	3089.4661	-0.1162	-38	1182	1211	VFEDIINAIASIAGSSASDL VLQCTPEGIR			Mascot
	3337.6211	3337.6672	0.0461	14	599	627	HATNLLGYYVDASVVG KDWFCNHRPYK			Mascot

34 PREDICTED: diacylglycerol kinase beta-like, partial
[Danio rerio]

gi|326674321 85995.9 6.78 11 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4229	842.4659	0.043	51	153	158	LEFMFR					Mascot
1045.4264	1045.509	0.0826	79	270	278	QGLCCSFCK			Carbamidomethyl (C)[4]		Mascot
1102.4479	1102.4674	0.0195	18	270	278	QGLCCSFCK			Carbamidomethyl (C)[4,5]		Mascot
1222.562	1222.4867	-0.0753	-62	94	104	DPKSSPSMTEK			Oxidation (M)[8]		Mascot
1707.8007	1707.6974	-0.1033	-60	534	547	DVQDSSEVMLDRWK					Mascot
1718.7407	1718.8257	0.085	49	349	363	CASHVKPECDGSLR			Carbamidomethyl (C)[1,9]		Mascot
1723.7955	1723.8583	0.0628	36	534	547	DVQDSSEVMLDRWK			Oxidation (M)[9]		Mascot
1938.9299	1938.7604	-0.1695	-87	136	152	DMICYLSLLEGGRPEDK					Mascot
1954.9248	1954.7512	-0.1736	-89	136	152	DMICYLSLLEGGRPEDK			Oxidation (M)[2]		Mascot

	2283.2488	2283.075	-0.1738	-76	115	135	GSCPPLKVTSQSRPLSTV QLK		Carbamidomethyl (C)[3]	Mascot		
	2284.0591	2284.0698	0.0107	5	153	171	LEFMFRLYDTDGNGLD SK		Oxidation (M)[4]	Mascot		
	2577.3501	2577.2839	-0.0662	-26	248	269	LKHFSKPAYCNLCNMLI GLGK		Carbamidomethyl (C)[10,13]	Mascot		
	2627.2925	2627.2556	-0.0369	-14	472	493	TLCCPLAFSLSFNEVLFY FLDK		Carbamidomethyl (C)[3]	Mascot		
	2627.2925	2627.2556	-0.0369	-14	472	493	TLCCPLAFSLSFNEVLFY FLDK		Carbamidomethyl (C)[3]	Mascot		
	2743.2083	2743.1721	-0.0362	-13	734	757	TSKSLPMQIDGEPWMQS PCTVSMT		Carbamidomethyl (C)[19], Oxidation (M)[7,15]	Mascot		
35	eukaryotic translation initiation factor 3 subunit L [Danio rerio]						gi 47085877	67950	6.02	10	34	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4501	882.5227	0.0726	82	393	399	YGDKMLR					Mascot
1017.5363	1017.5201	-0.0162	-16	437	444	EPFQQQLK					Mascot
1017.5363	1017.5201	-0.0162	-16	437	444	EPFQQQLK					Mascot
1498.8337	1498.645	-0.1887	-126	461	473	SFLKLYTTPVAK					Mascot
1498.8337	1498.645	-0.1887	-126	461	473	SFLKLYTTPVAK					Mascot
1520.8108	1520.6222	-0.1886	-124	279	291	LHSLLDYYQAIK					Mascot
1723.8644	1723.8583	-0.0061	-4	558	574	KMPLNTGASISSSTSR					Mascot
1739.8593	1739.8535	-0.0058	-3	558	574	KMPLNTGASISSSTSR			Oxidation (M)[2]		Mascot
1767.8541	1767.8766	0.0225	13	559	576	MPLNTGASISSSTSRAT					Mascot
2096.165	2095.8804	-0.2846	-136	328	344	YQDAIRVFANILLYIQR					Mascot
2233.0667	2232.9709	-0.0958	-43	400	418	MQKGDLQVFEELFSFAC PK			Oxidation (M)[1]		Mascot
2563.2571	2563.2632	0.0061	2	465	486	LYTTMPVAKLAGFLDMSE QEFR			Oxidation (M)[5]		Mascot
3089.5632	3089.4661	-0.0971	-31	37	60	QYEHQQTYHVIPEVIKNF LQYFHK					Mascot

36	PREDICTED: probable alpha-ketoglutarate-dependent dioxygenase ABH4 [Danio rerio]						gi 68372246	35897.4	6.76	8	33	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.4457	868.4819	0.0362	42	278	284	RVCSTFR					Mascot
1092.6047	1092.4591	-0.1456	-133	253	262	SLVVLYGDAR					Mascot
1338.6038	1338.6365	0.0327	24	44	56	AIALMMNPSCGCK					Mascot
1549.7428	1549.7631	0.0203	13	123	134	ELVSRMDQDVWR			Oxidation (M)[6]		Mascot
1737.8267	1737.8748	0.0481	28	44	59	AIALMMNPSCGCKGIR			Carbamidomethyl (C)[10], Oxidation (M)[5]		Mascot

	1753.8215	1753.8682	0.0467	27	44	59	AIALMMNPSCGCKGIR						Carbamidomethyl (C)[10], Oxidation (M)[5,6]	Mascot
	2195.9487	2195.9766	0.0279	13	38	56	ATHNCKAIALMMNPSCGCK						Carbamidomethyl (C)[5,16,18], Oxidation (M)[11,12]	Mascot
	2278.1865	2277.8945	-0.292	-128	76	94	NDLIHYDFIYDPVLKSAVR							Mascot
	2278.1865	2277.8945	-0.292	-128	76	94	NDLIHYDFIYDPVLKSAVR							Mascot
	2283.1074	2283.075	-0.0324	-14	279	298	VCSTFRELSAEFLPGGQKEK						Carbamidomethyl (C)[2]	Mascot
37	coiled-coil domain containing 90B [Danio rerio]						gi 261337154	29320.4	8.27	5	33	0	12	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
999.4716	999.4486	-0.023	-23	2	9	SSWGIFMR	12	0	Oxidation (M)[7]		Mascot
999.4716	999.4486	-0.023	-23	2	9	SSWGIFMR			Oxidation (M)[7]		Mascot
2186.9944	2186.8879	-0.1065	-49	192	210	MEFQKMNADIESEAVETSK					Mascot
2202.9893	2202.9031	-0.0862	-39	192	210	MEFQKMNADIESEAVETSK			Oxidation (M)[1]		Mascot
2577.2913	2577.2839	-0.0074	-3	100	122	DMVTGAHQEIALQQIMAHLDAIR			Oxidation (M)[2]		Mascot
2607.3826	2607.2961	-0.0865	-33	228	250	LETVRYLAACIFTCLAIALGFYR					Mascot
2721.3811	2721.1875	-0.1936	-71	100	123	DMVTGAHQEIALQQIMAHLDAIRK			Oxidation (M)[2,16]		Mascot
2721.3811	2721.1875	-0.1936	-71	100	123	DMVTGAHQEIALQQIMAHLDAIRK			Oxidation (M)[2,16]		Mascot

38	PREDICTED: WD repeat and SOCS box-containing protein 2 [Danio rerio]						gi 292613638	45733.1	8.52	7	33	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1017.6203	1017.5201	-0.1002	-98	351	359	VPHLVPSLR	4	0			Mascot
1017.6203	1017.5201	-0.1002	-98	351	359	VPHLVPSLR					Mascot
1070.5015	1070.4818	-0.0197	-18	222	229	HLTYDHER					Mascot
1070.5015	1070.4818	-0.0197	-18	222	229	HLTYDHER					Mascot
1478.863	1478.7294	-0.1336	-90	348	359	FWKVPHLVPSLR					Mascot
1498.6631	1498.645	-0.0181	-12	28	40	LYGTPDCETWSAR	3	0			Mascot
1498.6631	1498.645	-0.0181	-12	28	40	LYGTPDCETWSAR					Mascot
2187.0513	2186.8879	-0.1634	-75	22	40	AAHRPRLYGTPDCETWSAR					Mascot
2233.259	2232.9709	-0.2881	-129	364	383	VALRFSISTYQVEALPLPTK					Mascot
3089.5593	3089.4661	-0.0932	-30	41	67	FSPDGSYFAWSMGFGVIKLLPWPLTTR			Oxidation (M)[12]		Mascot

39	proenkephalin-A [Danio rerio]						gi 41152480	26116.8	5.64	8	33	0		
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Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
40	999.4386	999.4486	0.01	10	25	32	DCALCVYR			Carbamidomethyl (C)[2]	Mascot
	999.4386	999.4486	0.01	10	25	32	DCALCVYR			Carbamidomethyl (C)[2]	Mascot
	1324.6864	1324.624	-0.0624	-47	25	35	DCALCVYRLLR				Mascot
	1515.65	1515.6729	0.0229	15	20	32	AECGRDCALCVYR			Carbamidomethyl (C)[3]	Mascot
	1515.65	1515.6729	0.0229	15	20	32	AECGRDCALCVYR			Carbamidomethyl (C)[3]	Mascot
	1707.7531	1707.6974	-0.0557	-33	213	227	TWEEGGETALPDMQK			Oxidation (M)[13]	Mascot
	2096.0491	2095.8804	-0.1687	-80	2	19	MNSWWTVALSACLVL R			Oxidation (M)[1]	Mascot
	2211.0945	2211.0051	-0.0894	-40	1	19	MMNSWWTVALSACLVL MVR				Mascot
	2284.0432	2284.0698	0.0266	12	36	56	QTDIDTLACTLECEGSVD SRK				Mascot
	2300.1057	2299.8782	-0.2275	-99	1	19	MMNSWWTVALSACLVL MVR			Carbamidomethyl (C)[13], Oxidation (M)[1,2]	Mascot
	2743.3008	2743.1721	-0.1287	-47	1	24	MMNSWWTVALSACLVL MVR			Oxidation (M)[1]	Mascot
							AECEGR				
6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2 gi 41055967	60086.5	6.9	9	33	0						
[Danio rerio]											

Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
41	868.4345	868.4819	0.0474	55	184	189 RIECYK			Carbamidomethyl (C)[4]	Mascot
	1045.5902	1045.509	-0.0812	-78	290	297 VWTSQLRR				Mascot
	1320.6179	1320.521	-0.0969	-73	164	174 VSSPDYPERDR				Mascot
	1498.7173	1498.645	-0.0723	-48	190	202 VTYQPLDPGEHDK				Mascot
	1498.7173	1498.645	-0.0723	-48	190	202 VTYQPLDPGEHDK				Mascot
	1520.8293	1520.6222	-0.2071	-136	229	240 IVYYLMNIHVQK				Mascot
	1536.7693	1536.5989	-0.1704	-111	129	141 DLILSFAQDHSYK				Mascot
	1939.047	1938.7604	-0.2866	-148	397	413 SANDLPYLKCPHVLK			Carbamidomethyl (C)[10]	Mascot
	2721.3552	2721.1875	-0.1677	-62	351	373 YPGGESYQDLVQRLEPVI MELER				Mascot
	2721.3552	2721.1875	-0.1677	-62	351	373 YPGGESYQDLVQRLEPVI MELER				Mascot
	3845.8135	3845.6292	-0.1843	-48	298	330 TIQTAEELGVPYEQWKIL NEIDAGICEEMSYEK			Oxidation (M)[29]	Mascot
	PREDICTED: sterol 26-hydroxylase, mitochondrial-like gi 189520040 64557.6 9.23 10 32 0									

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank Result Type

												Seq.	Seq.	Score									
	1017.576	1017.5201	-0.0559	-55	194	202	SALNPKMLK												Oxidation (M)[7]		Mascot		
	1017.576	1017.5201	-0.0559	-55	194	202	SALNPKMLK												Oxidation (M)[7]		Mascot		
	1070.6064	1070.4818	-0.1246	-116	48	57	ADRLAAQIGR														Mascot		
	1070.6064	1070.4818	-0.1246	-116	48	57	ADRLAAQIGR														Mascot		
	1102.6156	1102.4674	-0.1482	-134	477	484	FVPERWIR														Mascot		
	1222.611	1222.4867	-0.1243	-102	116	125	SHAMQVEHKKR														Mascot		
	1537.8156	1537.6478	-0.1678	-109	393	405	LHNEIVSVCNKK												Carbamidomethyl (C)[9]		Mascot		
	1753.8768	1753.8682	-0.0086	-5	490	505	SQHHPYSSVPFGVGVR														Mascot		
	1767.8812	1767.8766	-0.0046	-3	305	318	RFVQAWDELYDVAR														Mascot		
	2278.2117	2277.8945	-0.3172	-139	91	110	TKDDLPGPNLATTVYWLF VK														Mascot		
	2278.2117	2277.8945	-0.3172	-139	91	110	TKDDLPGPNLATTVYWLF VK														Mascot		
	2284.2046	2284.0698	-0.1348	-59	275	294	FISAVNEMLALSETVLFFP R														Mascot		
	2300.1995	2299.8782	-0.3213	-140	275	294	FISAVNEMLALSETVLFFP R												Oxidation (M)[8]		Mascot		
	2743.4275	2743.1721	-0.2554	-93	275	297	FISAVNEMLALSETVLFFP RWTR												Oxidation (M)[8]		Mascot		
42	PREDICTED: interferon-induced guanylate-binding protein 1 [Danio rerio]					gi 326665123		110140.6	5.38	9	32	0											
Peptide Information																							
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification	Rank	Result Type										
	999.4716	999.4486	-0.023	-23	784	790	CQLFFER												Carbamidomethyl (C)[1]		Mascot		
	999.4716	999.4486	-0.023	-23	784	790	CQLFFER												Carbamidomethyl (C)[1]		Mascot		
	1017.5033	1017.5201	0.0168	17	941	948	LLMENEPR		13	0	Oxidation (M)[3]										Mascot		
	1017.5033	1017.5201	0.0168	17	941	948	LLMENEPR				Oxidation (M)[3]										Mascot		
	1338.7126	1338.6365	-0.0761	-57	718	728	DLSLFGLLWMK				Oxidation (M)[10]										Mascot		
	1498.7874	1498.645	-0.1424	-95	205	217	GHSLGTQRYNLPR														Mascot		
	1498.7874	1498.645	-0.1424	-95	205	217	GHSLGTQRYNLPR														Mascot		
	1515.7876	1515.6729	-0.1147	-76	356	368	AIKVFINMSFSDK				Oxidation (M)[8]										Mascot		
	1515.7876	1515.6729	-0.1147	-76	356	368	AIKVFINMSFSDK				Oxidation (M)[8]										Mascot		
	2233.0491	2232.9709	-0.0782	-35	1	21	MAFGVAMFAPVCLIEND GFGK				Oxidation (M)[1]										Mascot		
	2283.0652	2283.075	0.0098	4	256	274	FLHQAHTFCSYIYDNAQP K														Mascot		
	2649.3779	2649.2053	-0.1726	-65	707	728	VTETHVMIDIRDLSLFGLL WMK				Oxidation (M)[7,21]										Mascot		
	3845.8989	3845.6292	-0.2697	-70	672	706	LHLPHCEIFSEGDNMDGL AVAHFTAGNIEIIQPIK				Oxidation (M)[15]										Mascot		
43	novel protein similar to vertebrate guanylate binding					gi 169159070		110269.7	5.36	9	32	0											

protein family [Danio rerio]

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
999.4716	999.4486	-0.023	-23	785	791 CQLFFER	13	0	Carbamidomethyl (C)[1]	Mascot
999.4716	999.4486	-0.023	-23	785	791 CQLFFER			Carbamidomethyl (C)[1]	Mascot
1017.5033	1017.5201	0.0168	17	942	949 LLMENEPR			Oxidation (M)[3]	Mascot
1017.5033	1017.5201	0.0168	17	942	949 LLMENEPR			Oxidation (M)[3]	Mascot
1338.7126	1338.6365	-0.0761	-57	719	729 DLSLFGLLWMK			Oxidation (M)[10]	Mascot
1498.7874	1498.645	-0.1424	-95	206	218 GHSLGTQRYNLPR				Mascot
1498.7874	1498.645	-0.1424	-95	206	218 GHSLGTQRYNLPR				Mascot
1515.7876	1515.6729	-0.1147	-76	357	369 AIKVFINMSFSDK			Oxidation (M)[8]	Mascot
1515.7876	1515.6729	-0.1147	-76	357	369 AIKVFINMSFSDK			Oxidation (M)[8]	Mascot
2233.0491	2232.9709	-0.0782	-35	1	21 MAFGVAMFAPVCLIEND GFGK			Oxidation (M)[1]	Mascot
2283.0652	2283.075	0.0098	4	257	275 FLHQAHTFCSYIYDNAQP K				Mascot
2649.3779	2649.2053	-0.1726	-65	708	729 VTETHVMIDIRDLSLFGLL WMK			Oxidation (M)[7,21]	Mascot
3845.8989	3845.6292	-0.2697	-70	673	707 LHLPHCEIFSEGDNMDGL AVAHFTAGNIEIIQPIK			Oxidation (M)[15]	Mascot
44	PREDICTED: putative uncharacterized zinc finger protein 814 [Danio rerio]			gi 189533627	40815.3	9.34	10	32	0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
999.4386	999.4486	0.01	10	74	81 FTCVQCGK			Carbamidomethyl (C)[3,6]	Mascot
999.4386	999.4486	0.01	10	74	81 FTCVQCGK			Carbamidomethyl (C)[3,6]	Mascot
1070.5121	1070.4818	-0.0303	-28	73	81 KFTCVQCGK			Carbamidomethyl (C)[4]	Mascot
1070.5121	1070.4818	-0.0303	-28	73	81 KFTCVQCGK			Carbamidomethyl (C)[4]	Mascot
1324.6943	1324.624	-0.0703	-53	145	154 FNEHMKIHIR				Mascot
1677.736	1677.7216	-0.0144	-9	213	225 SFSCDQCEKTFRLR			Carbamidomethyl (C)[4,7]	Mascot
1723.7712	1723.8583	0.0871	51	263	277 IHTGVRPYMCSDCGK			Carbamidomethyl (C)[10]	Mascot
1739.7662	1739.8535	0.0873	50	263	277 IHTGVRPYMCSDCGK			Carbamidomethyl (C)[10], Oxidation (M)[9]	Mascot
1753.7784	1753.8682	0.0898	51	179	193 FHSEERPFVCSQCGK				Mascot
2170.1372	2169.8655	-0.2717	-125	231	249 EHLKVHAGLKPHVCSLC GK			Carbamidomethyl (C)[14,17]	Mascot
2233.0864	2232.9709	-0.1155	-52	120	137 HVRIHTGERPFICEHCGK			Carbamidomethyl (C)[13,16]	Mascot
2261.0371	2260.8677	-0.1694	-75	91	109 VHMRIHTGERPFTCTDC GK			Carbamidomethyl (C)[14], Oxidation (M)[3]	Mascot

	2261.0371	2260.8677	-0.1694	-75	91	109	VHMRIHTGERPFTCTDC GK						Carbamidomethyl (C)[14], Oxidation (M)[3]	Mascot
	2300.0984	2299.8782	-0.2202	-96	263	282	IHTGVRPYMCSDCGKSF TIK						Carbamidomethyl (C)[10]	Mascot
45	pre-mRNA-splicing factor 38A [Danio rerio]				gi 51011053		37527.2	9.88	3	31	0	23	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1017.522	1017.5201	-0.0019	-2	157	164	MCDIILPR	23	0	Carbamidomethyl (C)[2]		Mascot	
1017.522	1017.5201	-0.0019	-2	157	164	MCDIILPR			Carbamidomethyl (C)[2]		Mascot	
1070.5265	1070.4818	-0.0447	-42	93	100	NEDFKYVR					Mascot	
1070.5265	1070.4818	-0.0447	-42	93	100	NEDFKYVR					Mascot	
1086.5135	1086.4794	-0.0341	-31	109	118	LTGTSVDCYK					Mascot	

46	PREDICTED: zinc finger protein 608-like [Danio rerio]				gi 326669784		132330	7.18	1		27	54.979	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1017.5509	1017.5201	-0.0308	-30	370	378	SSPLICGKR	27	54.979	Carbamidomethyl (C)[6]	3	Mascot	

47	PREDICTED: leucine-rich repeat transmembrane neuronal protein 4-like, partial [Danio rerio]				gi 326669846		58370.5	9.65	1		22	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1017.5264	1017.5201	-0.0063	-6	216	223	INFSHFPR	22	0		5	Mascot	

48	PREDICTED: hypothetical protein LOC100534757 [Danio rerio]				gi 326674718		60556.1	7.13	1		22	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1017.4855	1017.5201	0.0346	34	18	25	LCVPEMPR	22	0	Carbamidomethyl (C)[2], Oxidation (M)[6]	5	Mascot	

49	Rho GTPase activating protein 4 [Danio rerio]				gi 41055389		103314.9	6.57	1		21	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1017.4483	1017.5201	0.0718	71	529	537	GDDPLTDER	21	0		7	Mascot	

50 PREDICTED: saccin-like [Danio rerio] gi|326674209 520909.9 6.27 1 20 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1017.457	1017.5201	0.0631	62	2487	2494	YCHGDIPR	20	0	Carbamidomethyl (C)[2]	8	Mascot

Gel Idx/Pos	259/K11	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial [Danio rerio]	gi 54400512	20094.3	8.39	8	313	100	259	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
974.5339	974.4991	-0.0348	-36	152	159	IAQLICEK			Carbamidomethyl (C)[6]		Mascot
1112.5695	1112.5323	-0.0372	-33	54	63	LTEHATTPSR					Mascot
1321.7262	1321.6807	-0.0455	-34	130	141	GNLGVVIFNFNK					Mascot
2051.0701	2051.0183	-0.0518	-25	14	33	LNGLCLGRGAEVTEAVS PHK					Mascot
2051.0959	2051.0183	-0.0776	-38	130	147	GNLGVVIFNFNKEPFEVK	96	100			Mascot
2115.9216	2115.8401	-0.0815	-39	68	86	AAGYDLYSAYDYSIGPM DK			Oxidation (M)[17]		Mascot
2122.9961	2122.9131	-0.083	-39	160	176	ICYPDLQELQTLDETER			Carbamidomethyl (C)[2]		Mascot
2122.9961	2122.9131	-0.083	-39	160	176	ICYPDLQELQTLDETER	164	100	Carbamidomethyl (C)[2]		Mascot
2233.1248	2232.9985	-0.1263	-57	109	129	SGLAVKHFVDVGAGVVD EDYR					Mascot

2	PREDICTED: hypothetical protein LOC100003217 [Danio rerio]	gi 326678765	31640.9	5.2	10	52	72.561		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4114	842.4824	0.071	84	78	84	SREAHDK					Mascot
974.5087	974.4991	-0.0096	-10	178	185	EGQVCLIR			Carbamidomethyl (C)[5]		Mascot
1112.6422	1112.5323	-0.1099	-99	168	177	NRPGEIIVK					Mascot
1277.6704	1277.6637	-0.0067	-5	208	218	LICEMARQIGK			Oxidation (M)[5]		Mascot
1321.5333	1321.6807	0.1474	112	196	207	DMDSHIGNACMK					Mascot
1475.7887	1475.699	-0.0897	-61	66	77	TDLLRLSEEMR					Mascot

1493.6835	1493.6829	-0.0006	0	53	65	LCQECGLDAKGSR	Carbamidomethyl (C)[2,5]	Mascot
1838.9792	1838.8472	-0.132	-72	36	52	VADATYSMSLTVGVIRR		Mascot
2137.9319	2137.9116	-0.0203	-9	196	214	DMDSHIGNACMKLICEMAR		Mascot
2210.9482	2211.0212	0.073	33	196	214	DMDSHIGNACMKLICEMAR	Carbamidomethyl (C)[10], Oxidation (M)[2]	Mascot
2283.9646	2284.0823	0.1177	52	196	214	DMDSHIGNACMKLICEMAR	Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]	Mascot
2299.9597	2300.0869	0.1272	55	196	214	DMDSHIGNACMKLICEMAR	Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]	Mascot
2584.1628	2584.1028	-0.06	-23	186	207	EEFWSLGLLRDMDSHIGNACMK	Oxidation (M)[12,21]	Mascot

3 PREDICTED: oocyte zinc finger protein XICOF6-like [Danio rerio] gi|326667072 46395.4 9.15 14 48 26.147

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.4399	801.3248	-0.1151	-144	81	86	LKTHMR			Oxidation (M)[5]		Mascot
1277.4846	1277.6637	0.1791	140	373	381	EYMCLECEK			Carbamidomethyl (C)[4,7], Oxidation (M)[3]		Mascot
1589.7642	1589.7491	-0.0151	-9	158	170	SFNHSSFLNLHMR					Mascot
1589.7642	1589.7491	-0.0151	-9	158	170	SFNHSSFLNLHMR					Mascot
1611.7982	1611.7267	-0.0715	-44	171	185	IHTGEKPLTCPQCGK					Mascot
1676.7883	1676.6877	-0.1006	-60	227	241	IHTGEKPFTCAQCGK			Carbamidomethyl (C)[10]		Mascot
1688.7883	1688.6936	-0.0947	-56	115	129	IHTGEKPFSCPCGK			Carbamidomethyl (C)[10]		Mascot
1691.8243	1691.7391	-0.0852	-50	87	101	IHTGEKPFTCTQCVK					Mascot
1691.8243	1691.7391	-0.0852	-50	87	101	IHTGEKPFTCTQCVK					Mascot
1838.9607	1838.8472	-0.1135	-62	46	61	IEDKTHLETDGVLNVR					Mascot
1867.8499	1867.8522	0.0023	1	367	381	IHTGVREYMCLECEK			Carbamidomethyl (C)[10]		Mascot
2137.9287	2137.9116	-0.0171	-8	252	269	HMMIHTGEKPFTCTQCGK			Carbamidomethyl (C)[13], Oxidation (M)[2,3]		Mascot
2193.0071	2192.9666	-0.0405	-18	251	269	KHMMIHTGEKPFTCTQCGK			Oxidation (M)[3]		Mascot
2211.03	2211.0212	-0.0088	-4	21	38	QEDLQEQTDLIKDYEEK					Mascot
2233.0674	2232.9985	-0.0689	-31	83	101	THMRIHTGEKPFTCTQCVK			Oxidation (M)[3]		Mascot
3323.5981	3323.6125	0.0144	4	326	353	SFIHSSHLNLHMRIHTGEKPFTCTQCGK			Carbamidomethyl (C)[23,26]		Mascot

4 PREDICTED: hypothetical protein LOC100330054 [Danio rerio] gi|326680669 21210.7 4.52 7 44 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
974.5087	974.4991	-0.0096	-10	87	94	EGQVCLIR			Carbamidomethyl (C)[5]		Mascot

	1112.6422	1112.5323	-0.1099	-99	77	86	NRPGSEIIVK						Mascot
	1277.6704	1277.6637	-0.0067	-5	117	127	LICEMARQIGK			Oxidation (M)[5]			Mascot
	1321.5333	1321.6807	0.1474	112	105	116	DMDSHIGNACMK						Mascot
	1838.9131	1838.8472	-0.0659	-36	142	158	ETPNNIVNGLPEDADLK						Mascot
	2137.9319	2137.9116	-0.0203	-9	105	123	DMDSHIGNACMKLICEMAR						Mascot
	2210.9482	2211.0212	0.073	33	105	123	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10], Oxidation (M)[2]			Mascot
	2283.9646	2284.0823	0.1177	52	105	123	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]			Mascot
	2299.9597	2300.0869	0.1272	55	105	123	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]			Mascot
	2584.1628	2584.1028	-0.06	-23	95	116	EEFWSLGLLRDMDSHIGNACMK			Oxidation (M)[12,21]			Mascot
5	TCR-alpha V segment I-2 (according to annotation by Tatsuya Ota) [Danio rerio]					gi 26984615	13055.5	6.59	6	43	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.4471	848.4999	0.0528	62	32	38	TERESVK					Mascot
1179.5349	1179.5593	0.0244	21	73	83	SNSARDTSDAR					Mascot
1851.9629	1851.8466	-0.1163	-63	4	20	CMLLIILMASDVTAVDK			Oxidation (M)[2]		Mascot
1867.9578	1867.8522	-0.1056	-57	4	20	CMLLIILMASDVTAVDK			Oxidation (M)[2,8]		Mascot
2225.1411	2225.0332	-0.1079	-48	1	20	MNKCMLLIILMASDVTAVDK			Oxidation (M)[1]		Mascot
2225.1411	2225.0332	-0.1079	-48	1	20	MNKCMLLIILMASDVTAVDK			Oxidation (M)[1]		Mascot
2298.1575	2298.0916	-0.0659	-29	1	20	MNKCMLLIILMASDVTAVDK			Carbamidomethyl (C)[4], Oxidation (M)[1,5]		Mascot
2501.332	2501.1472	-0.1848	-74	91	113	ISTDLIIKTAALSDSALYYCALR					Mascot
2705.3921	2705.0452	-0.3469	-128	4	28	CMLLIILMASDVTAVDKIEPNSGSK			Carbamidomethyl (C)[1]		Mascot

6	PREDICTED: hypothetical protein LOC100537788, partial [Danio rerio]					gi 326680782	28986.4	4.75	8	41	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
974.5087	974.4991	-0.0096	-10	167	174	EGQVCLIR			Carbamidomethyl (C)[5]		Mascot
1112.6422	1112.5323	-0.1099	-99	157	166	NRPGSEIIVK					Mascot
1277.6704	1277.6637	-0.0067	-5	197	207	LICEMARQIGK			Oxidation (M)[5]		Mascot
1321.5333	1321.6807	0.1474	112	185	196	DMDSHIGNACMK					Mascot
1475.7887	1475.699	-0.0897	-61	41	52	TDLLRLSEEMR					Mascot

	1493.6835	1493.6829	-0.0006	0	28	40	LCQECGLDAKGSR		Carbamidomethyl (C)[2,5]	Mascot			
	2137.9319	2137.9116	-0.0203	-9	185	203	DMDSHIGNACMKLICEMAR			Mascot			
	2210.9482	2211.0212	0.073	33	185	203	DMDSHIGNACMKLICEMAR		Carbamidomethyl (C)[10], Oxidation (M)[2]	Mascot			
	2283.9646	2284.0823	0.1177	52	185	203	DMDSHIGNACMKLICEMAR		Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]	Mascot			
	2299.9597	2300.0869	0.1272	55	185	203	DMDSHIGNACMKLICEMAR		Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]	Mascot			
	2584.1628	2584.1028	-0.06	-23	175	196	EEFWSLGLLRDMDSHIGNACMK		Oxidation (M)[12,21]	Mascot			
7	LOC553337 protein [Danio rerio]				gi 61403613		68948.5	6.78	9	41	0	18	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
864.3702	864.4862	0.116	134	57	64	QTGQCPCCK						Mascot
1045.5962	1045.5293	-0.0669	-64	209	217	DIAMILEK						Mascot
1048.5204	1048.4287	-0.0917	-87	432	442	GSDGVLKCGGR						Mascot
1691.6689	1691.7391	0.0702	41	120	133	QCNECEAFHWGDPR						Mascot
1691.6689	1691.7391	0.0702	41	120	133	QCNECEAFHWGDPR						Mascot
1707.8547	1707.7111	-0.1436	-84	248	262	EGTFNLISQTVDDLRL						Mascot
2122.9458	2122.9131	-0.0327	-15	343	361	CNASVYGPQSPVEQSQDTR				Carbamidomethyl (C)[1]		Mascot
2123.1018	2122.9131	-0.1887	-89	313	331	ELENYLTAGLAEQFANVLK	19		0			Mascot
2246.9966	2247.054	0.0574	26	183	201	CVPCHPCFQLWDDVVCQVR						Mascot
3323.5005	3323.6125	0.112	34	175	201	GFTGNFPKCVPCPCFQLWDDVVCQVR				Carbamidomethyl (C)[9,12,15,24]		Mascot

8 PREDICTED: tripartite motif-containing protein 35-like [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
856.4523	856.498	0.0457	53	111	117	DSEKHLK						Mascot
974.491	974.4991	0.0081	8	103	110	QPVCLVCR				Carbamidomethyl (C)[4]		Mascot
1045.5887	1045.5293	-0.0594	-57	131	139	KEELNTALK						Mascot
1048.5786	1048.4287	-0.1499	-143	172	179	QIKQQFEK						Mascot
1106.4718	1106.5103	0.0385	35	43	51	NTQECPVCR				Carbamidomethyl (C)[5]		Mascot
1448.7024	1448.8658	0.1634	113	20	32	TPVILSCGHSFCK				Carbamidomethyl (C)[7]		Mascot
1589.7893	1589.7491	-0.0402	-25	337	350	GFNSGKHCWVVEVK						Mascot
1589.7893	1589.7491	-0.0402	-25	337	350	GFNSGKHCWVVEVK						Mascot
2050.9651	2051.0183	0.0532	26	382	399	YQYGQSGSSFCIKQALD						Mascot

	2050.9651	2051.0183	0.0532	26	382	399	R YQYQQSGSSFCIKQALD R						Mascot
	2211.1372	2211.0212	-0.116	-52	52	71	RPSMADPPVNLALKNL ESR						Mascot
	2284.1536	2284.0823	-0.0713	-31	52	71	RPSMADPPVNLALKNL ESR				Carbamidomethyl (C)[17], Oxidation (M)[4]		Mascot
	3323.5593	3323.6125	0.0532	16	212	240	EMNTHISALSHTITDTE MLKANDVCFLK				Oxidation (M)[2, 19]		Mascot
	3338.6572	3338.6108	-0.0464	-14	281	309	MQDIVQYTPVILNPNTA PELELSDDLTR				Oxidation (M)[1]		Mascot
9	hypothetical protein LOC569884 [Danio rerio]					gi 113676725	17794.8	4.74	6	39	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
974.5087	974.4991	-0.0096	-10	61	68	EGQVCLIR			Carbamidomethyl (C)[5]		Mascot
1277.6704	1277.6637	-0.0067	-5	91	101	LICEMARQIGK			Oxidation (M)[5]		Mascot
1321.5333	1321.6807	0.1474	112	79	90	DMDSHIGNACMK					Mascot
2137.9319	2137.9116	-0.0203	-9	79	97	DMDSHIGNACMKLICEM R					Mascot
2144.1082	2143.9924	-0.1158	-54	2	23	TAASPGISSVTSPQSSV PI TEK					Mascot
2210.9482	2211.0212	0.073	33	79	97	DMDSHIGNACMKLICEM R			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
2247.1953	2247.054	-0.1413	-63	61	78	EGQVCLIREEFWSLVLL R			Carbamidomethyl (C)[5]		Mascot
2283.9646	2284.0823	0.1177	52	79	97	DMDSHIGNACMKLICEM R			Carbamidomethyl (C)[10, 15], Oxidation (M)[2, 11]		Mascot
2299.9597	2300.0869	0.1272	55	79	97	DMDSHIGNACMKLICEM R			Carbamidomethyl (C)[10, 15], Oxidation (M)[2, 11, 17]		Mascot

10 twist1b [Danio rerio] gi|62955613 18833.3 9.37 6 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
974.52	974.4991	-0.0209	-21	78	85	VMANVRER					Mascot
1320.6907	1320.5386	-0.1521	-115	88	99	TQSLNEAFAALR					Mascot
1448.7855	1448.8658	0.0803	55	88	100	TQSLNEAFAALRK					Mascot
2072.9844	2073	0.0156	8	122	138	YIDFLCQVLQSDDELDSK			Carbamidomethyl (C)[6]		Mascot
3323.5017	3323.6125	0.1108	33	122	149	YIDFLCQVLQSDDELDSK M ASCSYVAHER			Carbamidomethyl (C)[6], Oxidation (M)[18]		Mascot
3338.5078	3338.6108	0.103	31	1	32	MPEEPARDSSSPVSPA DLSNSDGEPRPPK					Mascot

11 PREDICTED: hypothetical protein LOC797100 [Danio rerio] gi|326681404 37240.7 5.09 8 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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Score												
	974.5087	974.4991	-0.0096	-10	227	234	EGQVCLIR			Carbamidomethyl (C)[5]		Mascot
	1112.6422	1112.5323	-0.1099	-99	217	226	NRPGSEIIVK					Mascot
	1277.6704	1277.6637	-0.0067	-5	257	267	LICEMARQIGK			Oxidation (M)[5]		Mascot
	1321.5333	1321.6807	0.1474	112	245	256	DMDSHIGNACMK					Mascot
	1475.7887	1475.699	-0.0897	-61	102	113	TDLLRLSEEMR					Mascot
	1493.6835	1493.6829	-0.0006	0	89	101	LCQECGLDAKGSR			Carbamidomethyl (C)[2,5]		Mascot
	2137.9319	2137.9116	-0.0203	-9	245	263	DMDSHIGNACMKLICEMAR					Mascot
	2210.9482	2211.0212	0.073	33	245	263	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
	2283.9646	2284.0823	0.1177	52	245	263	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]		Mascot
	2299.9597	2300.0869	0.1272	55	245	263	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]		Mascot
	2584.1628	2584.1028	-0.06	-23	235	256	EEFWSLGLLRDMDSHIGNACMK			Oxidation (M)[12,21]		Mascot
12	PREDICTED: hypothetical protein LOC100537225 [Danio rerio]				gi 326677219		17749.8	4.92	6	37	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification	Rank Result Type
	974.5087	974.4991	-0.0096	-10	61	68	EGQVCLIR				Carbamidomethyl (C)[5]	Mascot
	1277.6704	1277.6637	-0.0067	-5	91	101	LICEMARQIGK				Oxidation (M)[5]	Mascot
	1321.5333	1321.6807	0.1474	112	79	90	DMDSHIGNACMK					Mascot
	2137.9319	2137.9116	-0.0203	-9	79	97	DMDSHIGNACMKLICEMAR					Mascot
	2144.1082	2143.9924	-0.1158	-54	2	23	TAASPGISSVTSPQSSVPI TEK					Mascot
	2210.9482	2211.0212	0.073	33	79	97	DMDSHIGNACMKLICEMAR				Carbamidomethyl (C)[10], Oxidation (M)[2]	Mascot
	2283.9646	2284.0823	0.1177	52	79	97	DMDSHIGNACMKLICEMAR				Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]	Mascot
	2299.9597	2300.0869	0.1272	55	79	97	DMDSHIGNACMKLICEMAR				Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]	Mascot
	2584.1628	2584.1028	-0.06	-23	69	90	EEFWSLGLLRDMDSHIGNACMK				Oxidation (M)[12,21]	Mascot
13	PREDICTED: zinc finger protein 721-like [Danio rerio]				gi 326670228		49031.8	9.25	12	36	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification	Rank Result Type
	801.4399	801.3248	-0.1151	-144	81	86	LKTHMR				Oxidation (M)[5]	Mascot
	1045.4441	1045.5293	0.0852	81	120	128	TFTCTQCQK				Carbamidomethyl (C)[4]	Mascot
	1277.4846	1277.6637	0.1791	140	343	351	EYMCLECEK				Carbamidomethyl (C)[4,7], Oxidation (M)[3]	Mascot

	1493.7166	1493.6829	-0.0337	-23	213	225	SFSQSSSLNLHMR											Mascot
	1611.8588	1611.7267	-0.1321	-82	46	59	IEDKTHLETDGLLK											Mascot
	1707.7828	1707.7111	-0.0717	-42	254	268	IHTGEKPFCTCECGK						Carbamidomethyl (C)[10]					Mascot
	1867.8499	1867.8522	0.0023	1	337	351	IHTGVREYMCLECEK						Carbamidomethyl (C)[10]					Mascot
	2137.9854	2137.9116	-0.0738	-35	343	360	EYMCLECEKTFITAAELK						Oxidation (M)[3]					Mascot
	2207.0591	2207.0269	-0.0322	-15	87	105	IHTGEKPFSCYQYGKSFSK											Mascot
	2283.0798	2283.0867	0.0069	3	83	101	THMRIHTGEKPFSCYQY GK											Mascot
	2283.0798	2283.0867	0.0069	3	83	101	THMRIHTGEKPFSCYQY GK											Mascot
	2299.0747	2299.0928	0.0181	8	83	101	THMRIHTGEKPFSCYQY GK						Oxidation (M)[3]					Mascot
	3323.554	3323.6125	0.0585	18	269	296	SFIQSSCLNVHMRIHTGE KPFTCTQCGK						Carbamidomethyl (C)[7,23,26]					Mascot
	3338.5979	3338.6108	0.0129	4	297	324	SFIHSSHLNQHLMIHTGE KPFKCTQCGK						Carbamidomethyl (C)[23,26], Oxidation (M)[13]					Mascot
14	PREDICTED: dynein heavy chain 1, axonemal [Danio rerio]										gi 326671940	313752.7	5.5	24	35	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.5614	856.498	-0.0634	-74	2303	2310	GIKANLLK					Mascot
974.5152	974.4991	-0.0161	-17	1401	1409	VAVQAEETK					Mascot
1045.604	1045.5293	-0.0747	-71	1959	1967	LEYVPVAVR					Mascot
1062.5863	1062.6523	0.066	62	493	502	LCLSSGEIIK					Mascot
1106.5444	1106.5103	-0.0341	-31	352	360	NVCANKCLK			Carbamidomethyl (C)[3,7]		Mascot
1165.5922	1165.7048	0.1126	97	2770	2780	QGVALICALDY					Mascot
1165.5922	1165.7048	0.1126	97	2770	2780	QGVALICALDY					Mascot
1279.6715	1279.7307	0.0592	46	962	973	VFQGILMAEAGK			Oxidation (M)[7]		Mascot
1448.7856	1448.8658	0.0802	55	2260	2271	LIENIDPDKVHR					Mascot
1611.8563	1611.7267	-0.1296	-80	904	917	GKIFSTILGSWMQK			Oxidation (M)[12]		Mascot
1688.8578	1688.6936	-0.1642	-97	978	990	IQLLQLWYHESCR					Mascot
1691.8422	1691.7391	-0.1031	-61	2048	2061	ILTNSKIDMAEWR					Mascot
1691.9366	1691.7391	-0.1975	-117	1499	1513	GLLQDPGKFLESLEFK					Mascot
1707.837	1707.7111	-0.1259	-74	2048	2061	ILTNSKIDMAEWR			Oxidation (M)[10]		Mascot
2031.9916	2031.913	-0.0786	-39	1304	1320	CEQYLAELSRHNSVTPK			Carbamidomethyl (C)[1]		Mascot
2073.0586	2073	-0.0586	-28	2763	2780	TQGHWIKQGVALICALDY			Carbamidomethyl (C)[14]		Mascot
2115.9805	2115.8401	-0.1404	-66	1526	1543	QVQPYMDNPEFHPDSIAK					Mascot
2144.1104	2143.9924	-0.118	-55	1221	1239	VRNIHTVLCMSPVGEVFR					Mascot

		2207.0227	2207.0269	0.0042	2	886	903	FTRHFNFLSFTEMEDASK									Mascot
		2211.1248	2211.0212	-0.1036	-47	578	597	ESIKEVITSMDSNLTCSSLK									Mascot
		2284.1411	2284.0823	-0.0588	-26	578	597	ESIKEVITSMDSNLTCSSLK			Carbamidomethyl (C)[16], Oxidation (M)[10]						Mascot
		2298.082	2298.0916	0.0096	4	264	283	LSSEQLSSQDHYDFGMR AVK									Mascot
		2299.0798	2299.0928	0.013	6	2311	2330	TYASVTEDFITSTKTAEFK			Carbamidomethyl (C)[13]						Mascot
		2300.1301	2300.0869	-0.0432	-19	2527	2545	YPVMYEEISMNTVLVQEVIR									Mascot
		2384.1987	2383.8545	-0.3442	-144	121	142	ALAIQTVVFNCSDQLDFIAMGK									Mascot
		2705.2515	2705.0452	-0.2063	-76	2215	2240	MNAISLGQGGGPSAEVMMHSAAMEKGK			Oxidation (M)[1]						Mascot
		3337.751	3337.5786	-0.1724	-52	906	934	IFSTILGSWMQKTPEMKP FCKPLVDATIR									Mascot
15	RecName: Full=Contactin-1a; AltName: Full=F3/F11/contactin; AltName: Full=Neural cell recognition m						gi 55976512	114263.1	6.25	13	35	0					
	Peptide Information																
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	% Modification		Rank	Result	Type	
		856.5111	856.498	-0.0131	-15	434	441	LLGARNGR									Mascot
		1045.5173	1045.5293	0.012	11	562	569	DAQHYQRK									Mascot
		1062.5513	1062.6523	0.101	95	442	449	VVFECRPR				Carbamidomethyl (C)[5]					Mascot
		1106.5323	1106.5103	-0.022	-20	625	634	VDEVTSDSVR									Mascot
		1434.7231	1434.7156	-0.0075	-5	1	12	MIPEAFQPRAMK				Oxidation (M)[1]					Mascot
		1691.6965	1691.7391	0.0426	25	487	500	SDEGKYTCFAENDR				Carbamidomethyl (C)[8]					Mascot
		1691.6965	1691.7391	0.0426	25	487	500	SDEGKYTCFAENDR				Carbamidomethyl (C)[8]					Mascot
		1707.7683	1707.7111	-0.0572	-33	138	151	VQFGYLDMFSTDER									Mascot
		2224.9749	2225.0332	0.0583	26	388	406	FSRLGFEDSGMYQCVAENR				Oxidation (M)[11]					Mascot
		2224.9749	2225.0332	0.0583	26	388	406	FSRLGFEDSGMYQCVAENR				Oxidation (M)[11]					Mascot
		2283.092	2283.0867	-0.0053	-2	594	614	YSCTAQTPVDNTTASAEVVVR				Carbamidomethyl (C)[3]					Mascot
		2283.092	2283.0867	-0.0053	-2	594	614	YSCTAQTPVDNTTASAEVVVR				Carbamidomethyl (C)[3]					Mascot
		2284.2131	2284.0823	-0.1308	-57	442	460	VVFECRPRAPRPNITWSK				Carbamidomethyl (C)[5]					Mascot
		2299.1426	2299.0928	-0.0498	-22	986	1007	GEYLVVRAHSEGGDGA VAQVR									Mascot
		3323.5889	3323.6125	0.0236	7	665	694	DAATSPVNVEGNAEMAT VVNLLPWTEYEFRL									Mascot
		3338.7102	3338.6108	-0.0994	-30	256	284	SPDSWALLGQNVLTLECF ALGNPIPQIRWR				Carbamidomethyl (C)[16]					Mascot
16	hypothetical protein LOC100003716 [Danio rerio]						gi 190194311	21562.8	4.99	6	34	0					

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
974.545	974.4991	-0.0459	-47	90	97	EGKVCLIR			Carbamidomethyl (C)[5]		Mascot
1112.6422	1112.5323	-0.1099	-99	80	89	NRPGSEIIVK					Mascot
1277.6704	1277.6637	-0.0067	-5	120	130	LICEMARQIGK			Oxidation (M)[5]		Mascot
1321.5333	1321.6807	0.1474	112	108	119	DMDSHIGNACMK					Mascot
2137.9319	2137.9116	-0.0203	-9	108	126	DMDSHIGNACMKLICEMAR					Mascot
2210.9482	2211.0212	0.073	33	108	126	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
2283.9646	2284.0823	0.1177	52	108	126	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10, 15], Oxidation (M)[2, 11]		Mascot
2299.9597	2300.0869	0.1272	55	108	126	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10, 15], Oxidation (M)[2, 11, 17]		Mascot
2584.1628	2584.1028	-0.06	-23	98	119	EEFWSLGLLRDMDSHIGNACMK			Oxidation (M)[12, 21]		Mascot
17	40S ribosomal protein S21 [Danio rerio]			gi 41055255		8896.5	8.71	5	34	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.6252	1045.5293	-0.0959	-92	72	81	LAKTDSIVAK					Mascot
1106.5146	1106.5103	-0.0043	-4	62	71	MGEADDSLLR					Mascot
1434.7257	1434.7156	-0.0101	-7	62	74	MGEADDSLLRLAK			Oxidation (M)[1]		Mascot
1688.8577	1688.6936	-0.1641	-97	46	60	FNGQFKTYAICGAIR					Mascot
1994.0414	1993.8948	-0.1466	-74	28	45	DHASIQINIAEVDRVTRGR					Mascot
18	PREDICTED: tudor domain-containing protein 7-like [Danio rerio]			gi 326669649		45873.8	9.21	8	34	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
848.4545	848.4999	0.0454	54	253	259	MEEKALK					Mascot
864.4495	864.4862	0.0367	42	253	259	MEEKALK			Oxidation (M)[1]		Mascot
870.4679	870.5129	0.045	52	298	305	HELVSGTK					Mascot
974.553	974.4991	-0.0539	-55	45	52	EVHAHILR					Mascot
1691.8859	1691.7391	-0.1468	-87	239	252	LVVLMGEMILHYNK			Oxidation (M)[5, 8]		Mascot
1691.8859	1691.7391	-0.1468	-87	239	252	LVVLMGEMILHYNK			Oxidation (M)[5, 8]		Mascot
1852.0076	1851.8466	-0.161	-87	89	104	LQEVLNKHSNGLWVSK					Mascot
2193.1116	2192.9666	-0.145	-66	239	256	LVVLMGEMILHYNKMEEK			Oxidation (M)[5]		Mascot

	2225.1013	2225.0332	-0.0681	-31	239	256	LVVLMGEMILHYNKMEEK				Oxidation (M)[5,8,15]	Mascot	
	2225.1013	2225.0332	-0.0681	-31	239	256	LVVLMGEMILHYNKMEEK				Oxidation (M)[5,8,15]	Mascot	
	2249.2903	2248.9856	-0.3047	-135	277	297	VLVKGVLNGLVSVFQLD YGK					Mascot	
	2283.0308	2283.0867	0.0559	24	381	399	DIWLHDIMAEFTDEMTKT A				Oxidation (M)[8]	Mascot	
	2283.0308	2283.0867	0.0559	24	381	399	DIWLHDIMAEFTDEMTKT A				Oxidation (M)[8]	Mascot	
	2299.0256	2299.0928	0.0672	29	381	399	DIWLHDIMAEFTDEMTKT A				Oxidation (M)[8,15]	Mascot	
19	ZAR1-like protein [Danio rerio]				gi 313661374		36462.9	9.07	7	34	0	9	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1475.7198	1475.699	-0.0208	-14	297	309	GKGLSCDTIYSFK				Carbamidomethyl (C)[6]		Mascot
	1611.7294	1611.7267	-0.0027	-2	1	13	MEDFIIPPYNCGR				Carbamidomethyl (C)[11]		Mascot
	1691.9915	1691.7391	-0.2524	-149	59	73	AILSQVNPNTPLRLR	9		0			Mascot
	1691.9915	1691.7391	-0.2524	-149	59	73	AILSQVNPNTPLRLR						Mascot
	2138.0415	2137.9116	-0.1299	-61	227	244	WESAFVWCISGTSKVYF K						Mascot
	2144.0051	2143.9924	-0.0127	-6	223	240	CNIRWESAFVWCISGTSK				Carbamidomethyl (C)[1]		Mascot
	2246.8401	2247.054	0.2139	95	170	188	TDSETEDEDDDEFCKPD EK						Mascot
	2299.0449	2299.0928	0.0479	21	250	269	CQAGLNIPYRVESIQCV CCK				Carbamidomethyl (C)[1]		Mascot

20 PREDICTED: hypothetical protein LOC100004944 [Danio rerio] gi|125854141 69244.2 6.33 10 34 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	974.5053	974.4991	-0.0062	-6	501	507	EHEYRIK						Mascot
	1045.452	1045.5293	0.0773	74	472	479	CHYSDHVK				Carbamidomethyl (C)[1]		Mascot
	1448.7744	1448.8658	0.0914	63	421	432	ERVDIDLNLAYK						Mascot
	1589.8679	1589.7491	-0.1188	-75	358	370	TLKMTQDVLQIQR				Oxidation (M)[4]		Mascot
	1589.8679	1589.7491	-0.1188	-75	358	370	TLKMTQDVLQIQR				Oxidation (M)[4]		Mascot
	1691.7911	1691.7391	-0.052	-31	410	422	NFEYEVEVSYKER						Mascot
	1691.7911	1691.7391	-0.052	-31	410	422	NFEYEVEVSYKER						Mascot
	1838.9503	1838.8472	-0.1031	-56	153	168	TTLVNMVMNYMLGVER						Mascot
	2032.1372	2031.913	-0.2242	-110	343	360	GMTGLTQFINNIKPTLK						Mascot
	2211.1147	2211.0212	-0.0935	-42	153	171	TTLVNMVMNYMLGVERE DK						Mascot
	2283.2595	2283.0867	-0.1728	-76	544	563	IALNTDSLNTLLHIDFLIEK						Mascot

	2283.2595	2283.0867	-0.1728	-76	544	563	IALNTDSLNTLLHIDFLIEK									Mascot
	3323.3691	3323.6125	0.2434	73	433	461	ATCCTVCEENCHYPGCW WVSNLSRCTVMK									Mascot
21	contactin-1a precursor [Danio rerio]				gi 136256388		114246.1	6.19	13	34	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.5111	856.498	-0.0131	-15	434	441	LLGARNGR					Mascot
1045.5173	1045.5293	0.012	11	562	569	DAQHYQRK					Mascot
1062.5513	1062.6523	0.101	95	442	449	VVFECRPR			Carbamidomethyl (C)[5]		Mascot
1106.5323	1106.5103	-0.022	-20	625	634	VDEVTSDSVR					Mascot
1434.7231	1434.7156	-0.0075	-5	1	12	MIPEAFQPRAMK			Oxidation (M)[1]		Mascot
1638.7581	1638.7953	0.0372	23	931	944	MHYSGSSINIAWEK			Oxidation (M)[1]		Mascot
1691.6965	1691.7391	0.0426	25	487	500	SDEGKYTCFAENDR			Carbamidomethyl (C)[8]		Mascot
1691.6965	1691.7391	0.0426	25	487	500	SDEGKYTCFAENDR			Carbamidomethyl (C)[8]		Mascot
1707.7683	1707.7111	-0.0572	-33	138	151	VQFGYLDMFSTDER					Mascot
2224.9749	2225.0332	0.0583	26	388	406	FSRLGFEDSGMYQCVAE NR			Oxidation (M)[11]		Mascot
2224.9749	2225.0332	0.0583	26	388	406	FSRLGFEDSGMYQCVAE NR			Oxidation (M)[11]		Mascot
2283.092	2283.0867	-0.0053	-2	594	614	YSCTAQTPVDNTTASAE VVR			Carbamidomethyl (C)[3]		Mascot
2283.092	2283.0867	-0.0053	-2	594	614	YSCTAQTPVDNTTASAE VVR			Carbamidomethyl (C)[3]		Mascot
2284.2131	2284.0823	-0.1308	-57	442	460	VVFECRPRAAPRPNITW SK			Carbamidomethyl (C)[5]		Mascot
2299.1426	2299.0928	-0.0498	-22	986	1007	GEYLVVEVRAHSEGGDGA VAQVR					Mascot
3323.5889	3323.6125	0.0236	7	665	694	DAATSPVNVEGNAEMAT VNNLLPWTEYEFR					Mascot

22	PREDICTED: hypothetical protein LOC797093 [Danio rerio]				gi 292619265		20771.1	4.73	6	33	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
974.5087	974.4991	-0.0096	-10	79	86	EGQVCLIR			Carbamidomethyl (C)[5]		Mascot
1112.6422	1112.5323	-0.1099	-99	69	78	NRPGSEIIVK					Mascot
1277.6704	1277.6637	-0.0067	-5	109	119	LICEMARQIGK			Oxidation (M)[5]		Mascot
1321.5333	1321.6807	0.1474	112	97	108	DMDSHIGNACMK					Mascot
2137.9319	2137.9116	-0.0203	-9	97	115	DMDSHIGNACMKLICEMA R					Mascot
2210.9482	2211.0212	0.073	33	97	115	DMDSHIGNACMKLICEMA R			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot

	2283.9646	2284.0823	0.1177	52	97	115	DMDSHIGNACMKLICEMAR								Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]	Mascot
	2299.9597	2300.0869	0.1272	55	97	115	DMDSHIGNACMKLICEMAR								Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]	Mascot
	2584.1628	2584.1028	-0.06	-23	87	108	EEFWSLGLLRDMDSHIGNACMK								Oxidation (M)[12,21]	Mascot
23	novel protein similar to vertebrate laminin beta family [Danio rerio]					gi 220675880	196922.5	5.59	14	32	0	18	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.3702	864.4862	0.116	134	1036	1043	QTGQCPCCK					Mascot
1045.5962	1045.5293	-0.0669	-64	1188	1196	DIAMILEK					Mascot
1048.5204	1048.4287	-0.0917	-87	1411	1421	GSDGVLKCGGR					Mascot
1106.5259	1106.5103	-0.0156	-14	1655	1663	TEQNREMAK					Mascot
1320.7092	1320.5386	-0.1706	-129	127	137	TFRPAAMIER			Oxidation (M)[7]		Mascot
1321.5809	1321.6807	0.0998	76	275	286	DSGMIHGRCVCK			Oxidation (M)[4]		Mascot
1691.6689	1691.7391	0.0702	41	1099	1112	QCNECEAFHWGDPR					Mascot
1691.6689	1691.7391	0.0702	41	1099	1112	QCNECEAFHWGDPR					Mascot
1707.8547	1707.7111	-0.1436	-84	1227	1241	EGTFNLISQTVDDLRL					Mascot
2122.9458	2122.9131	-0.0327	-15	1322	1340	CNASVYGPQSPVEQSQDTR			Carbamidomethyl (C)[1]		Mascot
2123.1018	2122.9131	-0.1887	-89	1292	1310	ELENYLTAGLAEQFANVLK	19	0			Mascot
2246.9966	2247.054	0.0574	26	1162	1180	CVPCHPCFQLWDDVVCQVR					Mascot
2300.0984	2300.0869	-0.0115	-5	634	653	CGNMLPTEQLYTVPMHNVR					Mascot
3323.5005	3323.6125	0.112	34	1154	1180	GFTGNFPKCVPCPCFQLWDDVVCQVR			Carbamidomethyl (C)[9,12,15,24]		Mascot
3338.5632	3338.6108	0.0476	14	81	109	VENVIYPMDSTGELTWWQAVNGEENVSVR			Oxidation (M)[8]		Mascot

24	protein ariadne-2 homolog [Danio rerio]					gi 47085901	57416.3	5.39	10	32	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1165.604	1165.7048	0.1008	86	355	362	KYLFYFER					Mascot
1165.604	1165.7048	0.1008	86	355	362	KYLFYFER					Mascot
1320.5533	1320.5386	-0.0147	-11	243	252	CEEVFCFKCR			Carbamidomethyl (C)[1]		Mascot
1434.5962	1434.7156	0.1194	83	243	252	CEEVFCFKCR			Carbamidomethyl (C)[1,6,9]		Mascot
1691.7338	1691.7391	0.0053	3	238	250	VQCSRCEEVFCFK			Carbamidomethyl (C)[3,6]		Mascot
1691.7338	1691.7391	0.0053	3	238	250	VQCSRCEEVFCFK			Carbamidomethyl (C)[3,6]		Mascot
1707.7908	1707.7111	-0.0797	-47	50	62	YQFNCLTYRESQR					Mascot

	1838.8094	1838.8472	0.0378	21	251	265	CRQMYHAPTDCATIR		Carbamidomethyl (C)[1], Oxidation (M)[4]	Mascot	
	2072.9375	2073	0.0625	30	102	120	SNSSQLLCEAYAQPPTTTC R			Mascot	
	2116.0881	2115.8401	-0.248	-117	183	200	MPEDFVLPLLPSEELKDK		Oxidation (M)[1]	Mascot	
	2138.2178	2137.9116	-0.3062	-143	63	83	VLTEQVNNVASALKVSPA VAK			Mascot	
	2282.9653	2283.0867	0.1214	53	271	290	CADDSETANYISAHTKDC PK		Carbamidomethyl (C)[1,18]	Mascot	
	2282.9653	2283.0867	0.1214	53	271	290	CADDSETANYISAHTKDC PK		Carbamidomethyl (C)[1,18]	Mascot	
	3337.489	3337.5786	0.0896	27	154	182	GCWEQHCTVLVKDGVG VEISCMAQDCSLR		Carbamidomethyl (C)[2,7,21]	Mascot	
25	myosin binding protein C, cardiac [Danio rerio]				gi 172072588		142220.7	6.34	15	32	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.4545	848.4999	0.0454	54	194	201	VGESLLK					Mascot
850.4127	850.512	0.0993	117	212	218	WMDLASK					Mascot
850.4127	850.512	0.0993	117	212	218	WMDLASK					Mascot
1045.4585	1045.5293	0.0708	68	1157	1165	DHDFSEAPK					Mascot
1051.524	1051.6782	0.1542	147	210	218	GKWMDLASK			Oxidation (M)[4]		Mascot
1051.524	1051.6782	0.1542	147	210	218	GKWMDLASK			Oxidation (M)[4]		Mascot
1062.5466	1062.6523	0.1057	99	379	387	LDPAYQVEK					Mascot
1106.5048	1106.5103	0.0055	5	530	538	EDCGHYRVK					Mascot
1179.5674	1179.5593	-0.0081	-7	1200	1209	NKMDITNEAK			Oxidation (M)[3]		Mascot
1321.6569	1321.6807	0.0238	18	916	926	DLPTGEKMQFR					Mascot
1589.9049	1589.7491	-0.1558	-98	639	651	LNFLVKIDFVPR					Mascot
1589.9049	1589.7491	-0.1558	-98	639	651	LNFLVKIDFVPR					Mascot
1611.7068	1611.7267	0.0199	12	1074	1087	DNGNCDITGYNIQK			Carbamidomethyl (C)[5]		Mascot
1851.8979	1851.8466	-0.0513	-28	1122	1138	VYAANMVGLSPEPCLSK			Carbamidomethyl (C)[14], Oxidation (M)[6]		Mascot
2032.036	2031.913	-0.123	-61	1057	1073	VMDVWGFNVLEWKPP K			Oxidation (M)[2]		Mascot
2051.0444	2051.0183	-0.0261	-13	320	337	AVHVSSTEPDVDVWDILQ K					Mascot
2051.0444	2051.0183	-0.0261	-13	320	337	AVHVSSTEPDVDVWDILQ K					Mascot
2116.0315	2115.8401	-0.1914	-90	1104	1121	RTNCVVSGLIMGNEYVFR					Mascot
2584.2786	2584.1028	-0.1758	-68	1122	1145	VYAANMVGLSPEPCLSK DSAYIQK					Mascot

26 Synbl protein [Danio rerio] gi|141796272 31226.2 5.37 7 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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		Seq.				Seq.				Score					
27	glial fibrillary acidic protein [Danio rerio]	842.5709	842.4824	-0.0885	-105	18	24	VEKLLLK							Mascot
		1045.6769	1045.5293	-0.1476	-141	171	179	LLFLLSALR							Mascot
		1691.8334	1691.7391	-0.0943	-56	2	17	SLSDILSEIDGGDDKK							Mascot
		1691.8334	1691.7391	-0.0943	-56	2	17	SLSDILSEIDGGDDKK							Mascot
		1838.8688	1838.8472	-0.0216	-12	1	17	MSLSDILSEIDGGDDKK					Oxidation (M)[1]		Mascot
		2050.9573	2051.0183	0.061	30	238	255	ALFNLTMSPCDKDSLH K					Oxidation (M)[7]		Mascot
		2050.9573	2051.0183	0.061	30	238	255	ALFNLTMSPCDKDSLH K					Oxidation (M)[7]		Mascot
		2249.0105	2248.9856	-0.0249	-11	25	43	YNTENSRTFAFDLEEEGA R							Mascot
		2283.0193	2283.0867	0.0674	30	98	118	ICVAGHEGEPLAAQSAE EER							Mascot
		2283.0193	2283.0867	0.0674	30	98	118	ICVAGHEGEPLAAQSAE EER							Mascot
27	glial fibrillary acidic protein [Danio rerio]						gij239596173	19203.6	4.89	6	32	0			

Peptide Information					Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
Calc. Mass	Obsrv. Mass	± da	± ppm								
801.4399	801.3248	-0.1151	-144	368	373	LKTHMR			Oxidation (M)[5]		Mascot
870.4719	870.5129	0.041	47	361	367	LFTQFSK					Mascot
974.5166	974.4991	-0.0175	-18	170	177	QGFTTHKR					Mascot
1045.4441	1045.5293	0.0852	81	407	415	TFTCTQCGK			Carbamidomethyl (C)[4]		Mascot
1277.4846	1277.6637	0.1791	140	630	638	EYMCLECEK			Carbamidomethyl (C)[4,7], Oxidation (M)[3]		Mascot
1493.7166	1493.6829	-0.0337	-23	500	512	SFSQSSSLNLHMR					Mascot
1638.8203	1638.7953	-0.025	-15	290	304	IHTGKKPHTCTQCGK					Mascot
1691.7992	1691.7391	-0.0601	-36	234	248	IHTGERPYSCIQCGK					Mascot

1691.7992	1691.7391	-0.0601	-36	234	248	IHTGERPYSCIQCGK						Mascot
1707.7828	1707.7111	-0.0717	-42	541	555	IHTGEKPFTCTECGK				Carbamidomethyl (C)[10]		Mascot
1867.8499	1867.8522	0.0023	1	624	638	IHTGVREYMCLECEK				Carbamidomethyl (C)[10]		Mascot
2137.9854	2137.9116	-0.0738	-35	630	647	EYMCLECEKTFITAAELK				Oxidation (M)[3]		Mascot
2143.9648	2143.9924	0.0276	13	745	763	STQCGKSFSLSNFNPH MR				Oxidation (M)[18]		Mascot
2194.0994	2193.9949	-0.1045	-48	788	808	LQPEGRSPICVPMANDLA PAV				Oxidation (M)[13]		Mascot
2283.0327	2283.0867	0.054	24	342	360	HHMRTHTGEKPFACTQC GK				Carbamidomethyl (C)[14,17]		Mascot
2283.0327	2283.0867	0.054	24	342	360	HHMRTHTGEKPFACTQC GK				Carbamidomethyl (C)[14,17]		Mascot
2299.0278	2299.0928	0.065	28	342	360	HHMRTHTGEKPFACTQC GK				Carbamidomethyl (C)[14,17], Oxidation (M)[3]		Mascot
3323.554	3323.6125	0.0585	18	556	583	SFIQSSCLNVHMRIHTGE KPFTCTQCGK				Carbamidomethyl (C)[7,23,26]		Mascot
3337.52	3337.5786	0.0586	18	193	220	SFYHPGNFAVHMRIHTG ERPYTQCGK				Carbamidomethyl (C)[23], Oxidation (M)[12]		Mascot
3338.4268	3338.6108	0.184	55	444	471	SFNCSSHLNEHMMIHTG EKPFCTQCGK				Carbamidomethyl (C)[4,23,26]		Mascot

29 PREDICTED: hypothetical protein LOC100536366 gi|326674226 29395.1 8.05 7 32 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4791	882.5361	0.057	65	111	117	HLEKAER					Mascot
996.439	996.5632	0.1242	125	249	256	CMNVSTWR					Mascot
996.439	996.5632	0.1242	125	249	256	CMNVSTWR					Mascot
1611.7245	1611.7267	0.0022	1	150	163	QPQESVEGHQSEEEK					Mascot
1994.0562	1993.8948	-0.1614	-81	79	95	VFSCCLALQQTLLRDVK			Carbamidomethyl (C)[4]		Mascot
2051.0776	2051.0183	-0.0593	-29	79	95	VFSCCLALQQTLLRDVK			Carbamidomethyl (C)[4,5]		Mascot
2051.0776	2051.0183	-0.0593	-29	79	95	VFSCCLALQQTLLRDVK			Carbamidomethyl (C)[4,5]		Mascot
2248.9321	2248.9856	0.0535	24	29	45	VFDYECCHLSHTHICCDR			Carbamidomethyl (C)[6,14,15]		Mascot
2705.1904	2705.0452	-0.1452	-54	24	45	EEIQKVFDYECCHLSHTH CCDR					Mascot
3337.6807	3337.5786	-0.1021	-31	1	28	MVEYDLFHQQIVSIMALL SETAREEIQK			Oxidation (M)[1]		Mascot

30 PREDICTED: hypothetical protein LOC100002352 gi|326667104 28311.2 4.72 7 32 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
974.5087	974.4991	-0.0096	-10	149	156	EGQVCLIR			Carbamidomethyl (C)[5]		Mascot
1112.6422	1112.5323	-0.1099	-99	139	148	NRPGSEIIVK					Mascot

	1277.6704	1277.6637	-0.0067	-5	179	189	LICEMARQIGK				Oxidation (M)[5]	Mascot
	1320.5493	1320.5386	-0.0107	-8	167	178	DMNSHIGNACMK					Mascot
	1475.7887	1475.699	-0.0897	-61	41	52	TDLLRLSEEMR					Mascot
	1493.6835	1493.6829	-0.0006	0	28	40	LCQECGLDAKGSR				Carbamidomethyl (C)[2,5]	Mascot
	2193.9695	2193.9949	0.0254	12	167	185	DMNSHIGNACMKLICEMAR				Carbamidomethyl (C)[10]	Mascot
	2282.9807	2283.0867	0.106	46	167	185	DMNSHIGNACMKLICEMAR				Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]	Mascot
	2282.9807	2283.0867	0.106	46	167	185	DMNSHIGNACMKLICEMAR				Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]	Mascot
	2298.9756	2299.0928	0.1172	51	167	185	DMNSHIGNACMKLICEMAR				Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]	Mascot
31	methyltransferase-like protein 13 [Danio rerio]				gi 217416336	75976.5	5.99	10	31	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4032	864.4862	0.083	96	504	510	DFVPCAR			Carbamidomethyl (C)[5]		Mascot
1062.6306	1062.6523	0.0217	20	589	597	KVYSLLSPR					Mascot
1165.6221	1165.7048	0.0827	71	598	607	GLFMLNLVCR					Mascot
1165.6221	1165.7048	0.0827	71	598	607	GLFMLNLVCR					Mascot
1277.6459	1277.6637	0.0178	14	619	629	VHSVFPCVFSR					Mascot
1707.9033	1707.7111	-0.1922	-113	598	612	GLFMLNLVCRDSALR					Mascot
2123.0398	2122.9131	-0.1267	-60	569	588	DTTLGMSCPPPAFVETSL LK			Oxidation (M)[6]		Mascot
2123.0398	2122.9131	-0.1267	-60	569	588	DTTLGMSCPPPAFVETSL LK			Oxidation (M)[6]		Mascot
2138.1614	2137.9116	-0.2498	-117	590	607	VYSLLSPRGLFMLNLVCR			Carbamidomethyl (C)[17]		Mascot
2283.1826	2283.0867	-0.0959	-42	536	556	LKVTLGDLHDHITTESE GER					Mascot
2283.1826	2283.0867	-0.0959	-42	536	556	LKVTLGDLHDHITTESE GER					Mascot
2300.1226	2300.0869	-0.0357	-16	52	72	VLVVGCGNSELSEQLYD VGYR					Mascot
3337.5254	3337.5786	0.0532	16	453	482	SVDRGFLCCTHHEVMVALGLAMLGMDAINNK			Carbamidomethyl (C)[8], Oxidation (M)[15,21,24]		Mascot

32 WD repeat-containing protein 74 [Danio rerio] gi|115497604 41314.9 6.76 8 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1062.5215	1062.6523	0.1308	123	204	212	VYDPSTPQR					Mascot
1448.7605	1448.8658	0.1053	73	290	301	VHSLEDRLQHK					Mascot
1638.7792	1638.7953	0.0161	10	74	89	GIFTATKECGDPSQGK					Mascot
1791.9309	1791.6654	-0.2655	-148	5	20	SQICSIWLGETGILK			Carbamidomethyl (C)[4]		Mascot

	2144.0439	2143.9924	-0.0515	-24	183	201	DISFIADSDKIVTCTGHHK					Carbamidomethyl (C)[14]	Mascot
	2193.1406	2192.9666	-0.174	-79	1	20	MAAKSQICSIWLGSETGI LK					Carbamidomethyl (C)[8]	Mascot
	2247.2166	2247.054	-0.1626	-72	5	25	SQICSIWLGSETGILKGVS LR						Mascot
	2282.9968	2283.0867	0.0899	39	332	350	AEEDEVDWDMETVTEK TK						Mascot
	2282.9968	2283.0867	0.0899	39	332	350	AEEDEVDWDMETVTEK TK						Mascot
	2298.9917	2299.0928	0.1011	44	332	350	AEEDEVDWDMETVTEK TK					Oxidation (M)[11]	Mascot
33	embryonic globin beta e3 [Danio rerio]					gi 33089399	16093.4	8.6	5	31	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1045.5425	1045.5293	-0.0132	-13	93	101	LQVDPGNFR						Mascot
1048.5092	1048.4287	-0.0805	-77	71	79	ALNNMDNIK				Oxidation (M)[5]		Mascot
1321.6721	1321.6807	0.0086	7	28	37	CLVVYPWTQR				Carbamidomethyl (C)[1]		Mascot
1475.7522	1475.699	-0.0532	-36	67	79	GLEKALNNMDNIK				Oxidation (M)[9]		Mascot
2122.9902	2122.9131	-0.0771	-36	38	56	YFGGFGNLYNTEAIMANP K				Oxidation (M)[15]		Mascot
2122.9902	2122.9131	-0.0771	-36	38	56	YFGGFGNLYNTEAIMANP K				Oxidation (M)[15]		Mascot

34	PREDICTED: laminin subunit beta-1 [Danio rerio]					gi 326679113	197108.6	5.61	14	31	0	18	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
864.3702	864.4862	0.116	134	1036	1043	QTGQCPCCK						Mascot
1045.5962	1045.5293	-0.0669	-64	1188	1196	DIIAMILEK						Mascot
1048.5204	1048.4287	-0.0917	-87	1411	1421	GSDGVCLKCGGR						Mascot
1106.5259	1106.5103	-0.0156	-14	1655	1663	TEQNREMAK						Mascot
1320.7092	1320.5386	-0.1706	-129	139	149	TFRPAAMIIR				Oxidation (M)[7]		Mascot
1321.5809	1321.6807	0.0998	76	287	298	DSGMIHGRCVCK				Oxidation (M)[4]		Mascot
1691.6689	1691.7391	0.0702	41	1099	1112	QCNECEAFHWGDPR						Mascot
1691.6689	1691.7391	0.0702	41	1099	1112	QCNECEAFHWGDPR						Mascot
1707.8547	1707.7111	-0.1436	-84	1227	1241	EGTFNLISQTVDDL						Mascot
2122.9458	2122.9131	-0.0327	-15	1322	1340	CNASVYGPQSPVEQSQD TR				Carbamidomethyl (C)[1]		Mascot
2123.1018	2122.9131	-0.1887	-89	1292	1310	ELENYLTAGLAEQFANVL K	19	0				Mascot
2246.9966	2247.054	0.0574	26	1162	1180	CVPCHPCFQLWDDVVCQ VR						Mascot
2300.0984	2300.0869	-0.0115	-5	634	653	CGNMLPTEQLYTVMPH						Mascot

	3323.5005	3323.6125	0.112	34	1154	1180	NVR GFTGNFPKCVPCPCFQ LWDDVVCQVR					Carbamidomethyl (C)[9,12,15,24]	Mascot
	3338.5632	3338.6108	0.0476	14	93	121	VENVIYPMDSTGELTWW QAVNGEENVSVR					Oxidation (M)[8]	Mascot
35	Down syndrome cell adhesion molecule [Danio rerio]					gi 71834586	224396.7	8.5	19	31	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.4286	801.3248	-0.1038	-130	1310	1316	DVVLPCR					Mascot
842.4842	842.4824	-0.0018	-2	1748	1756	TAKAGPAAR					Mascot
870.4389	870.5129	0.074	85	781	787	SMYLVNK			Oxidation (M)[2]		Mascot
974.5087	974.4991	-0.0096	-10	503	511	GSADIRPMK					Mascot
1048.5171	1048.4287	-0.0884	-84	934	941	TETWERAR					Mascot
1051.5419	1051.6782	0.1363	130	1557	1566	VYNSAGLAEK					Mascot
1051.5419	1051.6782	0.1363	130	1194	1204	EDVPGPPGGVK					Mascot
1106.5146	1106.5103	-0.0043	-4	1089	1098	ATTMEDVPSR					Mascot
1179.5422	1179.5593	0.0171	14	1649	1658	NTRPSDTMNK			Oxidation (M)[8]		Mascot
1277.6597	1277.6637	0.004	3	550	560	QRAFENNGTLK					Mascot
1448.6508	1448.8658	0.215	148	1935	1947	EAAMGQACLEPQK			Carbamidomethyl (C)[8], Oxidation (M)[4]		Mascot
1688.7115	1688.6936	-0.0179	-11	484	498	CTCNNSAGTVSYQAR			Carbamidomethyl (C)[1,3]		Mascot
2051.0479	2051.0183	-0.0296	-14	788	806	IPAMITSYPNNSLATKGE K			Oxidation (M)[4]		Mascot
2051.0479	2051.0183	-0.0296	-14	788	806	IPAMITSYPNNSLATKGE K			Oxidation (M)[4]		Mascot
2123.0979	2122.9131	-0.1848	-87	636	655	SINASLGVTIDNIDFTSSL R					Mascot
2123.0979	2122.9131	-0.1848	-87	636	655	SINASLGVTIDNIDFTSSL R					Mascot
2138.1638	2137.9116	-0.2522	-118	1950	1968	SLKRPALLEPTPMEVPTS R			Oxidation (M)[13]		Mascot
2206.9783	2207.0269	0.0486	22	913	931	WTMGFDGNSLITGYDIEC K			Carbamidomethyl (C)[18]		Mascot
2249.0542	2248.9856	-0.0686	-31	567	585	ELDEGEYSCHVQVQPQL FK					Mascot
2298.2097	2298.0916	-0.1181	-51	1884	1904	FTASPPKPQDVCRVINMA VPK					Mascot
2299.1565	2299.0928	-0.0637	-28	432	452	GTPQPAITWTLDDDEVVAK DSR					Mascot

36 kazrin [Danio rerio] gi|121583740 48879.4 6.17 8 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4265	850.512	0.0855	101	28	35	SELSATSR					Mascot

850.4451	850.512	0.0669	79	390	397	MSLGSLSR						Mascot
856.4094	856.498	0.0886	103	333	339	ISPCHSR				Carbamidomethyl (C)[4]		Mascot
996.4852	996.5632	0.078	78	120	127	QMKDMLSK				Oxidation (M)[2]		Mascot
996.4852	996.5632	0.078	78	120	127	QMKDMLSK				Oxidation (M)[2]		Mascot
2115.9182	2115.8401	-0.0781	-37	366	382	HRTHSLCNSMEDLEDQK				Carbamidomethyl (C)[7], Oxidation (M)[10]		Mascot
2207.1064	2207.0269	-0.0795	-36	314	332	QSQQTLYHSHPADRQAA LR						Mascot
2283.0781	2283.0867	0.0086	4	333	354	ISPCHSRQPSIISDASAAD GDR						Mascot
2283.0781	2283.0867	0.0086	4	333	354	ISPCHSRQPSIISDASAAD GDR						Mascot
2298.2161	2298.0916	-0.1245	-54	7	27	QLAQRIDGAIQSASQEV TLR						Mascot

37 caspase c [Danio rerio] gi|61806574 44909.8 5.99 10 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1179.4882	1179.5593	0.0711	60	132	142	SCPGCQSNVER					Mascot
1279.5889	1279.7307	0.1418	111	78	88	TEFSCPHFVGR					Mascot
1321.6603	1321.6807	0.0204	15	271	282	DLTAQGMLVAMR			Oxidation (M)[7]		Mascot
1838.9027	1838.8472	-0.0555	-30	96	110	LSYQEICQLMPLTDK			Carbamidomethyl (C)[7]		Mascot
2122.9141	2122.9131	-0.001	0	172	191	EWKGVANNAGQC CGNR			Carbamidomethyl (C)[12]		Mascot
2123.0625	2122.9131	-0.1494	-70	96	112	LSYQEICQLMPLTDKQR			Carbamidomethyl (C)[7]		Mascot
2193.1663	2192.9666	-0.1997	-91	228	245	TRLALLINNVEFEYLNDR					Mascot
2283.0029	2283.0867	0.0838	37	288	307	EEHAHSDSCFVLM SHG			Carbamidomethyl (C)[9]		Mascot
2283.0029	2283.0867	0.0838	37	288	307	EEHAHSDSCFVLM SHG			Carbamidomethyl (C)[9]		Mascot
2284.1926	2284.0823	-0.1103	-48	251	270	DELSMEMLLKGLGYTVV TLR			Oxidation (M)[5]		Mascot
2299.113	2299.0928	-0.0202	-9	91	110	TCGAKLSYQEICQLMPLT DK			Carbamidomethyl (C)[2]		Mascot
2300.1875	2300.0869	-0.1006	-44	251	270	DELSMEMLLKGLGYTVV TLR			Oxidation (M)[5,7]		Mascot

38 hemoglobin beta embryonic-3 [Danio rerio] gi|62632719 16590.7 8.58 5 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5425	1045.5293	-0.0132	-13	97	105	LQVDPGNFR					Mascot
1048.5092	1048.4287	-0.0805	-77	75	83	ALNNMDNIK			Oxidation (M)[5]		Mascot
1321.6721	1321.6807	0.0086	7	32	41	CLVVYPWTQR			Carbamidomethyl (C)[1]		Mascot
1475.7522	1475.699	-0.0532	-36	71	83	GLEKALNNMDNIK			Oxidation (M)[9]		Mascot

	2122.9902	2122.9131	-0.0771	-36	42	60	YFGGFGNLYNTEAIMANP K					Oxidation (M)[15]	Mascot
	2122.9902	2122.9131	-0.0771	-36	42	60	YFGGFGNLYNTEAIMANP K					Oxidation (M)[15]	Mascot
39	LOC556175 protein [Danio rerio]				gi 126631387		45733	6.1	9	31	0		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	856.3869	856.498	0.1111	130	78	84	YNCITDK						Mascot
	1279.645	1279.7307	0.0857	67	53	63	LTDDDDLVLTK				Oxidation (M)[6]		Mascot
	1791.8112	1791.6654	-0.1458	-81	36	52	SSDCCLKLAGNDQPGAR				Carbamidomethyl (C)[4]		Mascot
	1851.7999	1851.8466	0.0467	25	337	353	HEEPVCEAFSGLMSSGR				Oxidation (M)[13]		Mascot
	2073.0974	2073	-0.0974	-47	280	298	IEDDGAIHLSEAIKLPHSK						Mascot
	2193.1318	2192.9666	-0.1652	-75	53	72	LTDDDDLVLTKTLEGNSA IK				Oxidation (M)[6]		Mascot
	2224.9775	2225.0332	0.0557	25	394	414	DSSNSALALMASDSWSQ KSHS				Oxidation (M)[10]		Mascot
	2224.9775	2225.0332	0.0557	25	394	414	DSSNSALALMASDSWSQ KSHS				Oxidation (M)[10]		Mascot
	2247.0896	2247.054	-0.0356	-16	337	356	HEEPVCEAFSGLMSSGR LLK				Carbamidomethyl (C)[6]		Mascot
	2283.155	2283.0867	-0.0683	-30	78	97	YNCITDKGAVHIAHLIQDS K				Carbamidomethyl (C)[3]		Mascot
	2283.155	2283.0867	-0.0683	-30	78	97	YNCITDKGAVHIAHLIQDS K				Carbamidomethyl (C)[3]		Mascot
40	PREDICTED: zinc finger protein 420 isoform 2 [Danio rerio]				gi 326678086		70371	9.08	13	31	0		
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	842.5206	842.4824	-0.0382	-45	25	31	QRQGLLK						Mascot
	864.4798	864.4862	0.0064	7	591	597	HRSVHTK						Mascot
	1045.536	1045.5293	-0.0067	-6	134	141	FHCARNLK				Carbamidomethyl (C)[3]		Mascot
	1062.5149	1062.6523	0.1374	129	110	117	YNLNVHMR				Oxidation (M)[7]		Mascot
	1112.4836	1112.5323	0.0487	44	292	300	THRCGHCGK				Carbamidomethyl (C)[4,7]		Mascot
	1691.7516	1691.7391	-0.0125	-7	454	468	VHTNEKPYSCPECGK						Mascot
	1691.7516	1691.7391	-0.0125	-7	454	468	VHTNEKPYSCPECGK						Mascot
	1838.8676	1838.8472	-0.0204	-11	202	216	IHTGVREFVCFCGK				Carbamidomethyl (C)[10,13]		Mascot
	1851.8477	1851.8466	-0.0011	-1	276	291	CSSHLNEHMIHTGEK				Oxidation (M)[9]		Mascot
	2116.0393	2115.8401	-0.1992	-94	110	126	YNLNVHMRIHTGEQPYK				Oxidation (M)[7]		Mascot
	2144.0125	2143.9924	-0.0201	-9	367	384	HQRIHTGEKPYTCTQCG K				Carbamidomethyl (C)[13]		Mascot
	2211.0798	2211.0212	-0.0586	-27	450	468	IHLRVHTNEKPYSCPECG						Mascot

	2283.0579	2283.0867	0.0288	13	227	245	K HQMHTGEKPYKCSHCD LR										Mascot
	2283.0579	2283.0867	0.0288	13	227	245	HQMHTGEKPYKCSHCD LR										Mascot
	2298.0906	2298.0916	0.001	0	478	496	LHQHVHTGVREFVCFEC EK										Mascot
	2299.053	2299.0928	0.0398	17	227	245	HQMHTGEKPYKCSHCD LR						Oxidation (M)[3]				Mascot

41 gamma-soluble NSF attachment protein [Danio rerio] gi|61806530 33925.8 5.45 8 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.381	801.3248	-0.0562	-70	179	184	EKSMYK			Oxidation (M)[4]		Mascot
1045.5598	1045.5293	-0.0305	-29	123	131	LMEPLDLSK					Mascot
1277.5177	1277.6637	0.146	114	185	194	EMENYPTCYK					Mascot
1279.7303	1279.7307	0.0004	0	196	206	CIAQVLVQLHR					Mascot
2143.9634	2143.9924	0.029	14	100	119	ASVMYVENGTPDTAAMA LDR			Oxidation (M)[4, 16]		Mascot
2225.022	2225.0332	0.0112	5	21	39	TSFMKWKPDYDAASEY AK					Mascot
2225.022	2225.0332	0.0112	5	21	39	TSFMKWKPDYDAASEY AK					Mascot
2299.1062	2299.0928	-0.0134	-6	49	68	QLEQAKDAYLQEAHA NNR					Mascot
2384.1221	2383.8545	-0.2676	-112	100	122	ASVMYVENGTPDTAAMA LDRAGK			Oxidation (M)[4]		Mascot

42 PREDICTED: ribonuclease P 25 subunit [Danio rerio] gi|326680347 22061.4 8.78 6 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
974.4901	974.4991	0.009	9	170	179	QVDGVQGSGK					Mascot
1165.6068	1165.7048	0.098	84	94	103	TITCAEIMKR					Mascot
1165.6068	1165.7048	0.098	84	94	103	TITCAEIMKR					Mascot
1277.7147	1277.6637	-0.051	-40	63	73	IRNLLGFAMSR					Mascot
1475.79	1475.699	-0.091	-62	183	195	RPLSPCDHPGLKR					Mascot
2193.1221	2192.9666	-0.1555	-71	36	56	STGEPIPNPIGLASDVLE MR					Mascot
2299.1677	2299.0928	-0.0749	-33	4	24	ELHDNTQPVQLNPTNPIG PSK					Mascot

43 PREDICTED: probable ubiquitin carboxyl-terminal hydrolase 46-like [Danio rerio] gi|125820999 38676.4 6.04 8 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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				Seq.	Seq.	Score							
	856.525	856.498	-0.027	-32	239	246	ILLTGPSR						Mascot
	1279.7079	1279.7307	0.0228	18	8	18	VFEGKMINITK						Mascot
	1434.7297	1434.7156	-0.0141	-10	297	308	LSWAEEIEKCVK						Mascot
	1688.7084	1688.6936	-0.0148	-9	99	110	FDFDYMQMRYEK			Oxidation (M)[6]			Mascot
	2032.0359	2031.913	-0.1229	-60	125	141	DNRPSYELYAVINHKGR						Mascot
	2249.2727	2248.9856	-0.2871	-128	306	325	CVKLSDPGPNVILWIIPIS K			Carbamidomethyl (C)[1]			Mascot
	2501.2341	2501.1472	-0.0869	-35	250	273	STVGNILGGDYFPCRS SETVTK						Mascot
	2705.3855	2705.0452	-0.3403	-126	283	305	VTVVDTPNLFCLNKLSWA EEIEK			Carbamidomethyl (C)[11]			Mascot
44	LOC563686 protein [Danio rerio]				gi 156230217		25871.1	4.92	6	30	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1165.5518	1165.7048	0.153	131	163	172	TDQTTCCKPK				Carbamidomethyl (C)[6]		Mascot
	1165.5518	1165.7048	0.153	131	163	172	TDQTTCCKPK				Carbamidomethyl (C)[6]		Mascot
	1321.653	1321.6807	0.0277	21	163	173	TDQTTCCKPKR				Carbamidomethyl (C)[6]		Mascot
	2031.8898	2031.913	0.0232	11	145	162	DFGCEQGVAMIDANYGR				Carbamidomethyl (C)[4], Oxidation (M)[11]		Mascot
	2115.9724	2115.8401	-0.1323	-63	178	196	HQNTNCLAPESLSTVSD SR				Carbamidomethyl (C)[6]		Mascot
	2233.0779	2232.9985	-0.0794	-36	90	108	DSPKFFYLCLNLAECVLT R				Carbamidomethyl (C)[9]		Mascot
	2501.1685	2501.1472	-0.0213	-9	178	200	HQNTNCLAPESLSTVSD SREGAK				Carbamidomethyl (C)[6]		Mascot

45 PREDICTED: corepressor interacting with RBPJ 1, partial [Danio rerio] gi|326670450 18483 7.63 6 30 0 3 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	801.3889	801.3248	-0.0641	-80	13	19	DFHPASK						Mascot
	1062.5612	1062.6523	0.0911	86	57	65	LLMGDDRVRK				Oxidation (M)[3]		Mascot
	1279.5632	1279.7307	0.1675	131	1	11	MGKSFANFMCK				Oxidation (M)[1]		Mascot
	1320.5897	1320.5386	-0.0511	-39	1	11	MGKSFANFMCK				Carbamidomethyl (C)[10]		Mascot
	1611.7471	1611.7267	-0.0204	-13	66	80	NGLNFMYEAPPGASK				Oxidation (M)[6]		Mascot
	1838.9105	1838.8472	-0.0633	-34	64	80	VKNGLNFMYEAPPGASK				Oxidation (M)[8]		Mascot
	2283.0266	2283.0867	0.0601	26	139	161	ECPLFGLSGINASSMAGD EAGTV				Carbamidomethyl (C)[2]		Mascot
	2283.0266	2283.0867	0.0601	26	139	161	ECPLFGLSGINASSMAGD EAGTV	3	0		Carbamidomethyl (C)[2]		Mascot

	2299.0217	2299.0928	0.0711	31	139	161	ECPLFGLSGINASSMAGD EAGTV					Carbamidomethyl (C)[2], Oxidation (M)[15]	Mascot
46	PREDICTED: fer-1-like protein 6-like [Danio rerio]				gi 326670557		203004.8	5.74	17	30	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.4287	801.3248	-0.1039	-130	160	166	LSVMHSK					Mascot
1277.5968	1277.6637	0.0669	52	439	452	GGKTGTGAGGEEEEK					Mascot
1320.6431	1320.5386	-0.1045	-79	729	739	DLLFSESPEQR					Mascot
1434.7231	1434.7156	-0.0075	-5	324	334	EMFPPLCQRLK			Carbamidomethyl (C)[7], Oxidation (M)[2]		Mascot
1589.8474	1589.7491	-0.0983	-62	1699	1712	GWWPFIKAGELTGK					Mascot
1589.8474	1589.7491	-0.0983	-62	1699	1712	GWWPFIKAGELTGK					Mascot
1691.8893	1691.7391	-0.1502	-89	1415	1428	DCMKPVDLLIKLCK			Carbamidomethyl (C)[2], Oxidation (M)[3]		Mascot
1691.8893	1691.7391	-0.1502	-89	1415	1428	DCMKPVDLLIKLCK			Carbamidomethyl (C)[2], Oxidation (M)[3]		Mascot
1838.9041	1838.8472	-0.0569	-31	610	624	MLSPEAWSLMHHVLR			Oxidation (M)[1,10]		Mascot
1993.925	1993.8948	-0.0302	-15	1150	1166	RTADESADNVIDWWSK					Mascot
2050.9783	2051.0183	0.04	20	659	676	QELESMTMAGGLLEPK R			Oxidation (M)[6,9]		Mascot
2050.9783	2051.0183	0.04	20	659	676	QELESMTMAGGLLEPK R			Oxidation (M)[6,9]		Mascot
2123.0227	2122.9131	-0.1096	-52	1179	1196	QKEDNPFPFLFENTSGM R					Mascot
2123.0227	2122.9131	-0.1096	-52	1179	1196	QKEDNPFPFLFENTSGM R					Mascot
2137.9971	2137.9116	-0.0855	-40	1181	1198	EDNPFPFLFENTSGMRD R					Mascot
2144.1975	2143.9924	-0.2051	-96	1058	1077	AFGRSTLVGSHVINLAL FK					Mascot
2207.0989	2207.0269	-0.072	-33	1633	1650	TEQKMPAVLVMQVWDFE R					Mascot
2211.1147	2211.0212	-0.0935	-42	1679	1696	MEMLTELLENISIFQQKR					Mascot
2225.1196	2225.0332	-0.0864	-39	1713	1732	VEAEFHLVTAEAEKNPV GR					Mascot
2225.1196	2225.0332	-0.0864	-39	1713	1732	VEAEFHLVTAEAEKNPV GR					Mascot
2233.1455	2232.9985	-0.147	-66	522	542	KLEDVSVTAPLLDTTATM PCK					Mascot
2249.1404	2248.9856	-0.1548	-69	522	542	KLEDVSVTAPLLDTTATM PCK			Oxidation (M)[18]		Mascot
3337.5144	3337.5786	0.0642	19	1577	1605	GWLKGLEDDGQETDVHY NSLTGEGNFNWR					Mascot

47	PREDICTED: hypothetical protein LOC100534694 [Danio rerio]				gi 326668999		48459.4	6.95	8	30	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	974.5153	974.4991	-0.0162	-17	132	139	QTIEELNK										Mascot
	1106.5948	1106.5103	-0.0845	-76	213	221	MLITMIQEK										Mascot
	1320.6827	1320.5386	-0.1441	-109	129	139	MSKQTIEELNK										Mascot
	1688.8701	1688.6936	-0.1765	-105	394	407	ETEKELSNILDELK										Mascot
	1994.0045	1993.8948	-0.1097	-55	222	239	ITSTSCCIQNIQIAGTK					Carbamidomethyl (C)[6,7]					Mascot
	2137.8181	2137.9116	0.0935	44	417	433	IPNSYDDDELMMMNK					Oxidation (M)[12,13,14]					Mascot
	2192.969	2192.9666	-0.0024	-1	242	261	EFPESDQPPQSNQSGKN SDK										Mascot
	2283.1179	2283.0867	-0.0312	-14	82	100	SSYEYLPVNFSEDLHELI K										Mascot
	2283.1179	2283.0867	-0.0312	-14	82	100	SSYEYLPVNFSEDLHELI K										Mascot
48	Myosin, light chain kinase [Danio rerio]				gi 190337782		100584.4	5.13	12	29	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	850.4053	850.512	0.1067	125	57	63	NEAVDFR					Mascot
	850.4053	850.512	0.1067	125	57	63	NEAVDFR					Mascot
	864.3945	864.4862	0.0917	106	777	784	SSPTEDTK					Mascot
	1165.5518	1165.7048	0.153	131	726	735	QDTTNMEAKK					Mascot
	1165.5518	1165.7048	0.153	131	726	735	QDTTNMEAKK					Mascot
	1279.6351	1279.7307	0.0956	75	526	536	LVQCIDAFEGK			Carbamidomethyl (C)[4]		Mascot
	1448.7491	1448.8658	0.1167	81	57	69	NEAVDFRSVLGNK					Mascot
	1493.7821	1493.6829	-0.0992	-66	265	277	FTGALPISCTWLK			Carbamidomethyl (C)[9]		Mascot
	1676.8828	1676.6877	-0.1951	-116	570	583	YMLQIVDGVNFIHK					Mascot
	1851.8971	1851.8466	-0.0505	-27	777	793	SSPTEDTKQFAAELEAK					Mascot
	2032.0597	2031.913	-0.1467	-72	110	127	EPVFVEKLSVTVLDGER					Mascot
	2051.114	2051.0183	-0.0957	-47	584	601	KGIVHLDLKPENIMCVNK					Mascot
	2051.114	2051.0183	-0.0957	-47	584	601	KGIVHLDLKPENIMCVNK					Mascot
	2137.9043	2137.9116	0.0073	3	438	455	EDEVEPSDDESEKVPDY R					Mascot
	2384.0823	2383.8545	-0.2278	-96	382	402	WTDVASCNSTSYNVQDL LPDR					Mascot

49 novel protein [Danio rerio] gi|169146110 25865.2 5.07 7 29 0

Peptide Information

	Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	848.3744	848.4999	0.1255	148	181	187	AEEESQR					Mascot
	1045.5411	1045.5293	-0.0118	-11	99	107	VIADLEEEK					Mascot

	1112.6786	1112.5323	-0.1463	-131	85	94	LLKQLAAER										Mascot
	1179.5319	1179.5593	0.0274	23	73	82	LVMAHCTNMK						Oxidation (M)[3,9]				Mascot
	1320.5663	1320.5386	-0.0277	-21	48	59	DSELSQAQDDGR										Mascot
	1493.6909	1493.6829	-0.008	-5	73	84	LVMAHCTNMKEK						Carbamidomethyl (C)[6], Oxidation (M)[3,9]				Mascot
	1691.7542	1691.7391	-0.0151	-9	111	126	AQDAAAGDDITDMLER										Mascot
	1691.7542	1691.7391	-0.0151	-9	111	126	AQDAAAGDDITDMLER										Mascot
	1707.749	1707.7111	-0.0379	-22	111	126	AQDAAAGDDITDMLER						Oxidation (M)[13]				Mascot
50	novel protein similar to vertebrate centrosomal protein 170kDa (CEP170) [Danio rerio]																
							gi 122890563	140783.3	7.09	14	29	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
974.4836	974.4991	0.0155	16	506	513	DRGTICPR			Carbamidomethyl (C)[6]		Mascot
996.4489	996.5632	0.1143	115	639	647	VSAMACTEK			Carbamidomethyl (C)[6]		Mascot
996.4489	996.5632	0.1143	115	639	647	VSAMACTEK			Carbamidomethyl (C)[6]		Mascot
1048.531	1048.4287	-0.1023	-98	1232	1239	KWEEIESK					Mascot
1320.6793	1320.5386	-0.1407	-107	486	497	VFGVEDNQALTK					Mascot
1434.7183	1434.7156	-0.0027	-2	861	874	GQNISSKAEQTSGK					Mascot
1475.7853	1475.699	-0.0863	-58	112	123	HEKYTSQLQLTK					Mascot
1589.8645	1589.7491	-0.1154	-73	486	499	VFGVEDNQALTKLR					Mascot
1589.8645	1589.7491	-0.1154	-73	486	499	VFGVEDNQALTKLR					Mascot
1611.839	1611.7267	-0.1123	-70	542	555	WVSQWASLAASHIR					Mascot
1638.7462	1638.7953	0.0491	30	28	41	DDCELMLQSRSDVK					Mascot
1676.8663	1676.6877	-0.1786	-107	1055	1068	HPSHHTRPRPMAPR					Mascot
1838.9242	1838.8472	-0.077	-42	139	156	GAEGGKETEVRPSEPAPK					Mascot
2072.9519	2073	0.0481	23	1037	1054	RVPIEYASTSEDEYGSNR					Mascot
2584.4192	2584.1028	-0.3164	-122	1242	1264	AENEVLLLKTSNQEISSILQNLK					Mascot
3338.7585	3338.6108	-0.1477	-44	1266	1296	VERQLLVIDIMVDPDGLTDALSNLGLTSPLM					Mascot

Gel Idx/Pos	260/K12	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial [Danio rerio]	gi 54400512	20094.3	8.39	4	138	100	118	100

Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
	1302.6835	1302.6656	-0.0179	-14	149	159 GDRIAQLICEK			Carbamidomethyl (C)[9]	Mascot
	2051.0701	2051.0142	-0.0559	-27	14	33 LNGCLLGRGAEVTEAVS PHK				Mascot
	2122.9961	2122.9131	-0.083	-39	160	176 ICYPDLQELQTLDETER	118	100	Carbamidomethyl (C)[2]	Mascot
	2122.9961	2122.9131	-0.083	-39	160	176 ICYPDLQELQTLDETER			Carbamidomethyl (C)[2]	Mascot
	2233.1248	2232.9983	-0.1265	-57	109	129 SGLAVKHFVDVGAGVVD EDYR				Mascot
2	RecName: Full=Contactin-1a; AltName: Full=F3/F11/contactin; AltName: Full=Neural cell recognition m				gij55976512		114263.1	6.25	15	46 0
Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
	856.5111	856.4889	-0.0222	-26	434	441 LLGARNGR				Mascot
	1045.5173	1045.5258	0.0085	8	562	569 DAQHYQRK				Mascot
	1062.5513	1062.6549	0.1036	98	442	449 VVFECRPR			Carbamidomethyl (C)[5]	Mascot
	1090.4912	1090.491	-0.0002	0	656	664 ESAAQQDWR				Mascot
	1106.5323	1106.5146	-0.0177	-16	625	634 VDEVTSDSVR				Mascot
	1434.7231	1434.7195	-0.0036	-3	1	12 MIPEAFQPRAMK			Oxidation (M)[1]	Mascot
	1691.6965	1691.7413	0.0448	26	487	500 SDEGKYTCFAENDR			Carbamidomethyl (C)[8]	Mascot
	1691.6965	1691.7413	0.0448	26	487	500 SDEGKYTCFAENDR			Carbamidomethyl (C)[8]	Mascot
	1707.7683	1707.7114	-0.0569	-33	138	151 VQFGYLDMFSTDER				Mascot
	2224.9749	2225.0334	0.0585	26	388	406 FSRLGFEDSGMYQCVAE NR			Oxidation (M)[11]	Mascot
	2224.9749	2225.0334	0.0585	26	388	406 FSRLGFEDSGMYQCVAE NR			Oxidation (M)[11]	Mascot
	2230.0305	2230.1023	0.0718	32	114	134 SKHAGNYTCVASNQYGS VTSR				Mascot
	2283.092	2283.0952	0.0032	1	594	614 YSCTAQTPVDNTTASAE VVR			Carbamidomethyl (C)[3]	Mascot
	2283.092	2283.0952	0.0032	1	594	614 YSCTAQTPVDNTTASAE VVR			Carbamidomethyl (C)[3]	Mascot
	2284.2131	2284.0898	-0.1233	-54	442	460 VVFECRPRAAPRPNITW SK			Carbamidomethyl (C)[5]	Mascot
	2299.1426	2299.1025	-0.0401	-17	986	1007 GEYLVEVRAHSEGGDGA VAQVR				Mascot
	3323.5889	3323.6208	0.0319	10	665	694 DAATSPVNVEGNAEMAT VVNLLPWTEYEFR				Mascot
	3338.7102	3338.6084	-0.1018	-30	256	284 SPDSWALLGQNVTLCECF ALGNPIPIQIRWR			Carbamidomethyl (C)[16]	Mascot
3	contactin-1a precursor [Danio rerio]				gij136256388		114246.1	6.19	15	44 0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.5111	856.4889	-0.0222	-26	434	441	LLGARNGR					Mascot
1045.5173	1045.5258	0.0085	8	562	569	DAQHYQRK					Mascot
1062.5513	1062.6549	0.1036	98	442	449	VVFECRPR			Carbamidomethyl (C)[5]		Mascot
1090.4912	1090.491	-0.0002	0	656	664	ESAAQQDWR					Mascot
1106.5323	1106.5146	-0.0177	-16	625	634	VDEVTSDSVR					Mascot
1434.7231	1434.7195	-0.0036	-3	1	12	MIPEAFQPRAMK			Oxidation (M)[1]		Mascot
1638.7581	1638.7983	0.0402	25	931	944	MHYSGSSINIAWEK			Oxidation (M)[1]		Mascot
1691.6965	1691.7413	0.0448	26	487	500	SDEGKYTCFAENDR			Carbamidomethyl (C)[8]		Mascot
1691.6965	1691.7413	0.0448	26	487	500	SDEGKYTCFAENDR			Carbamidomethyl (C)[8]		Mascot
1707.7683	1707.7114	-0.0569	-33	138	151	VQFGYLDMFSTDER					Mascot
2224.9749	2225.0334	0.0585	26	388	406	FSRLGFEDSGMYQCVAE NR			Oxidation (M)[11]		Mascot
2224.9749	2225.0334	0.0585	26	388	406	FSRLGFEDSGMYQCVAE NR			Oxidation (M)[11]		Mascot
2230.0305	2230.1023	0.0718	32	114	134	SKHAGNYTCVASNQYGS VTSR					Mascot
2283.092	2283.0952	0.0032	1	594	614	YSCTAQTTPVDNTTASAE VVR			Carbamidomethyl (C)[3]		Mascot
2283.092	2283.0952	0.0032	1	594	614	YSCTAQTTPVDNTTASAE VVR			Carbamidomethyl (C)[3]		Mascot
2284.2131	2284.0898	-0.1233	-54	442	460	VVFECRPRAAPRPNITW SK			Carbamidomethyl (C)[5]		Mascot
2299.1426	2299.1025	-0.0401	-17	986	1007	GEYLVVEVRAHSEGGDGA VAQVR					Mascot
3323.5889	3323.6208	0.0319	10	665	694	DAATSPVNVVEGNAEMAT VNNLLPWTEYEFR					Mascot
4	Pbx2 [Danio rerio]			gi 7861936	18895.6	9.08	7	44	0	7	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
864.4686	864.501	0.0324	37	153	159	SRFLDAR				Mascot
1051.5782	1051.6759	0.0977	93	133	141	FSSIQTLQK				Mascot
1179.6442	1179.5604	-0.0838	-71	1	10	ALFSVLCEIK			Carbamidomethyl (C)[7]	Mascot
1179.6732	1179.5604	-0.1128	-96	132	141	KFSSIQTLQK	9	0		Mascot
1307.6447	1307.6309	-0.0138	-11	142	152	QSTCEAVMILR			Carbamidomethyl (C)[4]	Mascot
1323.6395	1323.626	-0.0135	-10	142	152	QSTCEAVMILR			Carbamidomethyl (C)[4], Oxidation (M)[8]	Mascot
1493.7563	1493.6807	-0.0756	-51	142	154	QSTCEAVMILRSR				Mascot
2283.1836	2283.0952	-0.0884	-39	133	152	FSSIQTLKQSTCEAVMI LR				Mascot
2283.1836	2283.0952	-0.0884	-39	133	152	FSSIQTLKQSTCEAVMI				Mascot

	2299.1785	2299.1025	-0.076	-33	133	152	LR FSSIQTQLKQSTCEAVMI LR					Oxidation (M)[17]	Mascot
5	TCR-alpha V segment I-2 (according to annotation by Tatsuya Ota) [Danio rerio]					gj 26984615		13055.5	6.59	6	43	0	
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank Result Type
	848.4471	848.4927	0.0456	54	32	38	TERESVK						Mascot
	1179.5349	1179.5604	0.0255	22	73	83	SNSARDTSDAR						Mascot
	1179.5349	1179.5604	0.0255	22	73	83	SNSARDTSDAR						Mascot
	1851.9629	1851.8528	-0.1101	-59	4	20	CMLLIILMASDVTAVDK					Oxidation (M)[2]	Mascot
	2225.1411	2225.0334	-0.1077	-48	1	20	MNKCMLLIILMASDVTAVDK					Oxidation (M)[1]	Mascot
	2225.1411	2225.0334	-0.1077	-48	1	20	MNKCMLLIILMASDVTAVDK					Oxidation (M)[1]	Mascot
	2298.1575	2298.0945	-0.063	-27	1	20	MNKCMLLIILMASDVTAVDK					Carbamidomethyl (C)[4], Oxidation (M)[1,5]	Mascot
	2501.332	2501.1433	-0.1887	-75	91	113	ISTDLIIKTAALSDSALYYCALR						Mascot
	2705.3921	2705.0432	-0.3489	-129	4	28	CMLLIILMASDVTAVDKIEPNSGSK					Carbamidomethyl (C)[1]	Mascot
6	small ubiquitin-related modifier 3 precursor [Danio rerio]					gj 239048085		10690.3	5.34	6	43	0	
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank Result Type
	838.4893	838.5067	0.0174	21	35	41	RHTPLSK						Mascot
	848.4182	848.4927	0.0745	88	1	7	MSEEEKPK						Mascot
	864.4131	864.501	0.0879	102	1	7	MSEEEKPK					Oxidation (M)[1]	Mascot
	1234.6426	1234.6324	-0.0102	-8	21	32	VAGQDGSVVQFK						Mascot
	1277.6405	1277.6602	0.0197	15	1	11	MSEEEKPKEGVK					Oxidation (M)[1]	Mascot
	1475.8217	1475.7014	-0.1203	-82	21	34	VAGQDGSVVQFKIK						Mascot
	2299.1677	2299.1025	-0.0652	-28	12	32	TENDHINLKVAGQDGSVVQFK						Mascot
7	PREDICTED: tripartite motif-containing protein 35-like [Danio rerio]					gj 326678845		52995.6	8.51	11	41	0	
Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank Result Type
	856.4523	856.4889	0.0366	43	111	117	DSEKHLK						Mascot
	1045.5887	1045.5258	-0.0629	-60	131	139	KEELNTALK						Mascot

1106.4718	1106.5146	0.0428	39	43	51	NTQECPVCR	Carbamidomethyl (C)[5]	Mascot
1323.6765	1323.626	-0.0505	-38	33	42	ECLQEFWKIK		Mascot
1448.7024	1448.8733	0.1709	118	20	32	TPVILSCGHSFCK	Carbamidomethyl (C)[7]	Mascot
1589.7893	1589.7465	-0.0428	-27	337	350	GFNSGKHCVVVEVK		Mascot
1589.7893	1589.7465	-0.0428	-27	337	350	GFNSGKHCVVVEVK		Mascot
2050.9651	2051.0142	0.0491	24	382	399	YQYQQSGSFCIKQALD R		Mascot
2211.1372	2211.0242	-0.113	-51	52	71	RPSMADPPVNLALKNLC ESR		Mascot
2284.1536	2284.0898	-0.0638	-28	52	71	RPSMADPPVNLALKNLC ESR	Carbamidomethyl (C)[17], Oxidation (M)[4]	Mascot
2312.9871	2313.0933	0.1062	46	1	19	MASSAEYDYICPVCQDIF K	Carbamidomethyl (C)[11,14], Oxidation (M)[1]	Mascot
3323.5593	3323.6208	0.0615	19	212	240	EMNTHISALSHTITDEE MLKANDVCFLK	Oxidation (M)[2,19]	Mascot
3338.6572	3338.6084	-0.0488	-15	281	309	MQDIVQYTPVILNPNTAH PELELSDDLTR	Oxidation (M)[1]	Mascot

8 LOC559236 protein [Danio rerio] gi|141796908 49941.7 8.76 10 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.4141	807.3688	-0.0453	-56	314	320	KVASSCR			Carbamidomethyl (C)[6]		Mascot
840.5665	840.4894	-0.0771	-92	8	14	KPKLLNK					Mascot
850.4338	850.5124	0.0786	92	72	78	SNEMLLK			Oxidation (M)[4]		Mascot
850.4338	850.5124	0.0786	92	72	78	SNEMLLK			Oxidation (M)[4]		Mascot
1090.5674	1090.491	-0.0764	-70	315	324	VASSCRSVPK			Carbamidomethyl (C)[5]		Mascot
1165.5419	1165.7042	0.1623	139	382	390	CTNQTREWK					Mascot
1165.5419	1165.7042	0.1623	139	382	390	CTNQTREWK					Mascot
1234.6283	1234.6324	0.0041	3	321	331	SVPKTCALMER					Mascot
1307.6447	1307.6309	-0.0138	-11	321	331	SVPKTCALMER			Carbamidomethyl (C)[6], Oxidation (M)[9]		Mascot
1434.7739	1434.7195	-0.0544	-38	170	181	VHYGFILKSENK					Mascot
1993.9655	1993.8987	-0.0668	-34	250	266	AQPWWTAEQTGYTDLVK					Mascot
2239.1968	2239.0525	-0.1443	-64	79	98	AVNTYREVAELPDVPPDL IK					Mascot
2705.29	2705.0432	-0.2468	-91	277	300	DEALSVLDSNSGQFLPE DENLREK					Mascot

9 PREDICTED: aspartyl/asparaginyl beta-hydroxylase [Danio rerio] gi|326669617 67711.7 6.74 11 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.4141	807.3688	-0.0453	-56	478	484	KVASSCR			Carbamidomethyl (C)[6]		Mascot

840.5665	840.4894	-0.0771	-92	172	178	KPKLLNK							Mascot
850.4338	850.5124	0.0786	92	236	242	SNEMLLK				Oxidation (M)[4]			Mascot
850.4338	850.5124	0.0786	92	236	242	SNEMLLK				Oxidation (M)[4]			Mascot
1090.5674	1090.491	-0.0764	-70	479	488	VASSCRSVPK				Carbamidomethyl (C)[5]			Mascot
1165.5419	1165.7042	0.1623	139	546	554	CTNQTREWK							Mascot
1165.5419	1165.7042	0.1623	139	546	554	CTNQTREWK							Mascot
1234.6283	1234.6324	0.0041	3	485	495	SVPKTCALMER							Mascot
1307.6447	1307.6309	-0.0138	-11	485	495	SVPKTCALMER				Carbamidomethyl (C)[6], Oxidation (M)[9]			Mascot
1434.7739	1434.7195	-0.0544	-38	334	345	VHYGFILKSENK							Mascot
1589.7765	1589.7465	-0.03	-19	14	27	ESPVENTTVRSENK							Mascot
1589.7765	1589.7465	-0.03	-19	14	27	ESPVENTTVRSENK							Mascot
1993.9655	1993.8987	-0.0668	-34	414	430	AQPWWTAEQGYTDLVK							Mascot
2239.1968	2239.0525	-0.1443	-64	243	262	AVNTYREVAELPDVPPDL IK							Mascot
2705.29	2705.0432	-0.2468	-91	441	464	DEALSVLDSNSGQFLPE DENLREK							Mascot
10	PREDICTED: GAS2-like protein 2-like [Danio rerio]			gi 326668195		100432.5	9.58	13	37	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
807.4246	807.3688	-0.0558	-69	66	72	VADDFLK					Mascot	
856.3981	856.4889	0.0908	106	657	663	IPSDHCK			Carbamidomethyl (C)[6]		Mascot	
996.5883	996.5621	-0.0262	-26	808	815	LRPCVRPR					Mascot	
996.5883	996.5621	-0.0262	-26	808	815	LRPCVRPR					Mascot	
1045.5636	1045.5258	-0.0378	-36	668	677	SASLDRATPK					Mascot	
1109.6062	1109.4491	-0.1571	-142	377	386	DATRTPPVPR					Mascot	
1302.5968	1302.6656	0.0688	53	836	847	TSCRDGGSHNLR					Mascot	
1460.8584	1460.7429	-0.1155	-79	265	277	LTARPVTPVHEIK					Mascot	
1589.7594	1589.7465	-0.0129	-8	239	252	VGGGWDTLEHYLDK					Mascot	
1589.7594	1589.7465	-0.0129	-8	239	252	VGGGWDTLEHYLDK					Mascot	
2123.04	2122.9131	-0.1269	-60	113	130	EMSIPDVLMFETDDLVL					Mascot	
2123.04	2122.9131	-0.1269	-60	113	130	EMSIPDVLMFETDDLVL					Mascot	
2153.0002	2152.9797	-0.0205	-10	349	367	ERPGTPQMFTCPDSKDS LK			Oxidation (M)[8]		Mascot	
2194.0266	2194.0044	-0.0222	-10	349	367	ERPGTPQMFTCPDSKDS LK			Carbamidomethyl (C)[11]		Mascot	
2283.1248	2283.0952	-0.0296	-13	113	131	EMSIPDVLMFETDDLVL K			Oxidation (M)[2,9]		Mascot	
2283.1248	2283.0952	-0.0296	-13	112	130	KEMSIPDVLMFETDDLVL R			Oxidation (M)[3,10]		Mascot	

	3338.6616	3338.6084	-0.0532	-16	183	211	SLINIQNLDEMVLISRC SCPSQFPMVK					Oxidation (M)[11,27]	Mascot
11	PREDICTED: protein CASC4 [Danio rerio]				gi 125821657	49396.4	6.03	9	37	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.4464	801.3264	-0.12	-150	369	376	QVGAEGLK					Mascot
864.476	864.501	0.025	29	1	8	MIGFGAIR					Mascot
882.5407	882.5356	-0.0051	-6	272	279	KPAITPQK					Mascot
1320.6178	1320.5358	-0.082	-62	420	431	DAPGERNVYDGK					Mascot
1460.6621	1460.7429	0.0808	55	67	78	NSELMQVDTHR					Mascot
1707.8547	1707.7114	-0.1433	-84	80	94	QIDLKGDYSALQNK					Mascot
2153.0581	2152.9797	-0.0784	-36	199	217	NADSVVQHVDLDQSN KR					Mascot
2194.1357	2194.0044	-0.1313	-60	272	291	KPAITPQKHMEPAEAAA MLK			Oxidation (M)[10,18]		Mascot
3323.7126	3323.6208	-0.0918	-28	328	355	LMNRDIPVQQQVPQPVVI KPMLFDEDNK			Oxidation (M)[2,21]		Mascot

12	PREDICTED: chromodomain-helicase-DNA-binding protein 9-like [Danio rerio]				gi 326669481	278654.9	8.67	22	36	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.4213	801.3264	-0.0949	-118	164	171	SHKAGSSK					Mascot
842.4665	842.4807	0.0142	17	1477	1483	AMARLHK			Oxidation (M)[2]		Mascot
870.5043	870.5098	0.0055	6	1807	1815	NASVVPGVK					Mascot
1051.5604	1051.6759	0.1155	110	603	611	NCKLLEGFK					Mascot
1090.5172	1090.491	-0.0262	-24	740	748	CCNHPYLIK					Mascot
1106.5437	1106.5146	-0.0291	-26	2356	2365	AERTEAQSSK					Mascot
1179.6481	1179.5604	-0.0877	-74	1046	1055	KQTRPFSSTK					Mascot
1179.6481	1179.5604	-0.0877	-74	1046	1055	KQTRPFSSTK					Mascot
1234.6249	1234.6324	0.0075	6	1294	1303	ADPKLCFLDR			Carbamidomethyl (C)[6]		Mascot
1279.6021	1279.7313	0.1292	101	477	488	NCILADEMGLGK			Oxidation (M)[8]		Mascot
1320.5897	1320.5358	-0.0539	-41	1492	1501	YLCAFIAMCR			Carbamidomethyl (C)[3,9], Oxidation (M)[8]		Mascot
1460.7703	1460.7429	-0.0274	-19	2345	2358	SSALNLSLDGKAER					Mascot
1493.7668	1493.6807	-0.0861	-58	807	818	CLDILEDYLIQR					Mascot
2211.0322	2211.0242	-0.008	-4	1589	1606	TDYHILRDPELCYMAAQR			Oxidation (M)[14]		Mascot
2230.0715	2230.1023	0.0308	14	459	475	DYQLEGVNWLLFNWYNR					Mascot
2239.115	2239.0525	-0.0625	-28	1121	1138	DVEWICRALLSYCLVHYR					Mascot

2282.9988	2283.0952	0.0964	42	356	374	AHFFADEDPFNPDYVEV DR						Mascot
2282.9988	2283.0952	0.0964	42	356	374	AHFFADEDPFNPDYVEV DR						Mascot
2298.146	2298.0945	-0.0515	-22	1901	1922	LLDNASTLPEDPSDSPQ GSKVK						Mascot
2299.1816	2299.1025	-0.0791	-34	273	293	KPAVQLFVENPTEEDAAV VDK						Mascot
2384.2014	2383.8523	-0.3491	-146	1506	1527	LPAIEGDMVDSSLAIQPIT EER						Mascot
2705.2483	2705.0432	-0.2051	-76	1262	1283	SEMPAMWWMDLSDKCL LLGVYK				Carbamidomethyl (C)[15], Oxidation (M)[3,6]		Mascot
3338.5801	3338.6084	0.0283	8	1548	1575	HPQLYEHLALCQPGPDL PVWWETGSHDR				Carbamidomethyl (C)[11]		Mascot
3354.2637	3354.6326	0.3689	110	1770	1806	SGSSSSSSSSSCSSGSS SSSSSSSSSSEGSDEE APK						Mascot

13 Ddx52 protein [Danio rerio] gi|45768538 56399.3 9.89 9 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4573	864.501	0.0437	51	154	161	LSEGVGFR					Mascot
870.5407	870.5098	-0.0309	-35	134	141	ALIISPTR					Mascot
1302.6835	1302.6656	-0.0179	-14	100	112	REILACAPTGS GK					Mascot
2123.1616	2122.9131	-0.2485	-117	113	130	TMAFCLPLLAHLRQPLNK			Carbamidomethyl (C)[5]		Mascot
2123.1616	2122.9131	-0.2485	-117	113	130	TMAFCLPLLAHLRQPLNK			Carbamidomethyl (C)[5]		Mascot
2283.3223	2283.0952	-0.2271	-99	302	321	NLIKQGFLPPVLV FVQSID R					Mascot
2283.3223	2283.0952	-0.2271	-99	302	321	NLIKQGFLPPVLV FVQSID R					Mascot
2313.1553	2313.0933	-0.062	-27	79	99	AAGFQTPTPIQM QAVPL MMHK			Oxidation (M)[12]		Mascot
2384.188	2383.8523	-0.3357	-141	324	343	ELYHELVEGINVDVIHA DR					Mascot
2501.2461	2501.1433	-0.1028	-41	79	100	AAGFQTPTPIQM QAVPL MMHKR			Oxidation (M)[12,18,19]		Mascot
2705.3926	2705.0432	-0.3494	-129	277	301	NSAAETVEQQLLFVGSE NGKILAMR					Mascot

14 small ubiquitin-related modifier 3-like precursor [Danio rerio] gi|55742575 10676.3 5.32 5 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
838.4893	838.5067	0.0174	21	35	41	RHTPLSK					Mascot
850.3975	850.5124	0.1149	135	1	7	MSEDKPK			Oxidation (M)[1]		Mascot
850.3975	850.5124	0.1149	135	1	7	MSEDKPK			Oxidation (M)[1]		Mascot
1234.6426	1234.6324	-0.0102	-8	21	32	VAGQDGSVVQFK					Mascot

	1475.8217	1475.7014	-0.1203	-82	21	34	VAGQDGSVVQFKIK										Mascot
	2299.1677	2299.1025	-0.0652	-28	12	32	TENDHINLKVAGQDGSV VQFK										Mascot
15	PREDICTED: hypothetical protein LOC100538239 [Danio rerio]				gi 326666745		68066.3	6.58	10	33	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
838.4206	838.5067	0.0861	103	6	12	DPVGHWK					Mascot
840.4686	840.4894	0.0208	25	91	97	LTHVQSR					Mascot
870.458	870.5098	0.0518	60	359	365	RAYFGTR					Mascot
882.458	882.5356	0.0776	88	573	578	EFFQRR					Mascot
1277.7212	1277.6602	-0.061	-48	188	197	RLTQQLDYIK					Mascot
1279.6012	1279.7313	0.1301	102	198	208	EESNSTKDELK					Mascot
1475.858	1475.7014	-0.1566	-106	314	325	TDYLLLREALIR					Mascot
1993.9601	1993.8987	-0.0614	-31	326	343	EFDDIESEQGLVALETK					Mascot
2153.0583	2152.9797	-0.0786	-37	366	382	NEPEMEEDLNFKILFLR			Oxidation (M)[5]		Mascot
2194.0774	2194.0044	-0.073	-33	427	446	IPAVYDFNTQSQDVALEG AR					Mascot

16	Replication factor C (activator 1) 3 [Danio rerio]				gi 156230598		40370	8.72	10	33	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.3381	801.3264	-0.0117	-15	155	160	YMATCR			Carbamidomethyl (C)[5]		Mascot
856.5363	856.4889	-0.0474	-55	271	277	LLEVRAR					Mascot
1062.5911	1062.6549	0.0638	60	50	57	TRIMCLLR			Carbamidomethyl (C)[5]		Mascot
1179.6984	1179.5604	-0.138	-117	203	213	EGLLLPPELAK					Mascot
1179.6984	1179.5604	-0.138	-117	203	213	EGLLLPPELAK					Mascot
1234.679	1234.6324	-0.0466	-38	58	68	ELYGAGVEKLR					Mascot
1307.7933	1307.6309	-0.1624	-124	202	213	KEGLLLPPELAK					Mascot
1493.6439	1493.6807	0.0368	25	345	356	KFMEDGLDNFMF					Mascot
1993.8962	1993.8987	0.0025	1	155	170	YMATCRILCCNSTSK			Carbamidomethyl (C)[5,10,11], Oxidation (M)[2]		Mascot
2208.0867	2208.0339	-0.0528	-24	309	327	AEVAQMAAYYEHLRLQLG NK			Oxidation (M)[6]		Mascot
2300.1855	2300.0874	-0.0981	-43	28	49	NLVQCGDFPHLLVYGPS GAGKK					Mascot
2300.1855	2300.0874	-0.0981	-43	28	49	NLVQCGDFPHLLVYGPS GAGKK					Mascot

17	PREDICTED: hypothetical protein LOC100004944				gi 125854141		69244.2	6.33	10	33	0						
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[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.452	1045.5258	0.0738	71	472	479	CHYSDHVK			Carbamidomethyl (C)[1]		Mascot
1448.7744	1448.8733	0.0989	68	421	432	ERVDIDLNLAYK					Mascot
1460.7389	1460.7429	0.004	3	22	34	IPVLLSCSHNFCK					Mascot
1589.8679	1589.7465	-0.1214	-76	358	370	TLKMTQDVLQIQR			Oxidation (M)[4]		Mascot
1589.8679	1589.7465	-0.1214	-76	358	370	TLKMTQDVLQIQR			Oxidation (M)[4]		Mascot
1691.7911	1691.7413	-0.0498	-29	410	422	NFEYEVEVSYKER					Mascot
1691.7911	1691.7413	-0.0498	-29	410	422	NFEYEVEVSYKER					Mascot
2152.8997	2152.9797	0.08	37	462	479	DYHCTVCTNKCHYSDHV K					Mascot
2211.1147	2211.0242	-0.0905	-41	153	171	TTLVNMVMNYMLGVERE DK					Mascot
2239.2485	2239.0525	-0.196	-88	278	298	IVLLFTHSDGFPPSNALIA VK					Mascot
2283.2595	2283.0952	-0.1643	-72	544	563	IALNTDSLNTLLHIDFLIEK					Mascot
2283.2595	2283.0952	-0.1643	-72	544	563	IALNTDSLNTLLHIDFLIEK					Mascot
3323.3691	3323.6208	0.2517	76	433	461	ATCCTVCEENCHYPGCW WVSNLSRCTVMK					Mascot

18 PREDICTED: zinc finger protein 850-like [Danio rerio] gi|326666761 93003 9.53 17 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.4399	801.3264	-0.1135	-142	368	373	LKTHMR			Oxidation (M)[5]		Mascot
870.4719	870.5098	0.0379	44	361	367	LFTQFSK					Mascot
1045.4441	1045.5258	0.0817	78	407	415	TFTCTQCGK			Carbamidomethyl (C)[4]		Mascot
1109.4867	1109.4491	-0.0376	-34	268	276	SFICTHCGK			Carbamidomethyl (C)[4,7]		Mascot
1277.4846	1277.6602	0.1756	137	630	638	EYMCLECEK			Carbamidomethyl (C)[4,7], Oxidation (M)[3]		Mascot
1307.5872	1307.6309	0.0437	33	327	337	CTECGKTFFPK			Carbamidomethyl (C)[1]		Mascot
1493.7166	1493.6807	-0.0359	-24	500	512	SFSQSSSLNLHMR					Mascot
1638.8203	1638.7983	-0.022	-13	290	304	IHTGKKPHTCTQCGK					Mascot
1691.7992	1691.7413	-0.0579	-34	234	248	IHTGERPYSCIQCGK					Mascot
1691.7992	1691.7413	-0.0579	-34	234	248	IHTGERPYSCIQCGK					Mascot
1707.7828	1707.7114	-0.0714	-42	541	555	IHTGEKPFCTCECGK			Carbamidomethyl (C)[10]		Mascot
2194.0994	2194.0044	-0.095	-43	788	808	LQPEGRSPICVPMANDLA PAV			Oxidation (M)[13]		Mascot
2208.0171	2208.0339	0.0168	8	90	108	SNLDVHTREKPYTCEQC GK					Mascot

	2283.0327	2283.0952	0.0625	27	342	360	HHMRTHTGEKPFAC	TQC	Carbamidomethyl (C)[14,17]	Mascot
	2283.0327	2283.0952	0.0625	27	342	360	HHMRTHTGEKPFAC	TQC	Carbamidomethyl (C)[14,17]	Mascot
	2299.0278	2299.1025	0.0747	32	342	360	HHMRTHTGEKPFAC	TQC	Carbamidomethyl (C)[14,17], Oxidation (M)[3]	Mascot
	2313.0903	2313.0933	0.003	1	370	388	THMRIHTGEKPF	TCYQY	Oxidation (M)[3]	Mascot
	3323.554	3323.6208	0.0668	20	556	583	SFIQSSCLNVHMR	IHTGE	Carbamidomethyl (C)[7,23,26]	Mascot
	3337.52	3337.6189	0.0989	30	193	220	SFYHPGNFAVHMR	IHTG	Carbamidomethyl (C)[23], Oxidation (M)[12]	Mascot
	3338.4268	3338.6084	0.1816	54	444	471	SFNCSSHLNEHMM	IHTG	Carbamidomethyl (C)[4,23,26]	Mascot
	3354.4216	3354.6326	0.211	63	444	471	SFNCSSHLNEHMM	IHTG	Carbamidomethyl (C)[4,23,26], Oxidation (M)[12]	Mascot
19	RecName: Full=Tudor domain-containing protein 7B				gi 334351210	121757	8.62	13	32	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	848.4545	848.4927	0.0382	45	939	945	MEEKALK					Mascot
	864.4495	864.501	0.0515	60	939	945	MEEKALK			Oxidation (M)[1]		Mascot
	870.4679	870.5098	0.0419	48	984	991	HELVSGTK					Mascot
	1062.5499	1062.6549	0.105	99	1	9	MADEELVKK					Mascot
	1109.4966	1109.4491	-0.0475	-43	516	525	AQVCEVMADK			Oxidation (M)[7]		Mascot
	1320.6035	1320.5358	-0.0677	-51	146	157	TGCMRDPQLDGK					Mascot
	1334.7579	1334.8436	0.0857	64	796	806	RLAHVYLFTSK					Mascot
	1589.7999	1589.7465	-0.0534	-34	95	107	KTGRPQVVNCQMR			Carbamidomethyl (C)[10], Oxidation (M)[12]		Mascot
	1589.7999	1589.7465	-0.0534	-34	95	107	KTGRPQVVNCQMR			Carbamidomethyl (C)[10], Oxidation (M)[12]		Mascot
	1691.8859	1691.7413	-0.1446	-85	925	938	LVVLMGEMILHYNK			Oxidation (M)[5,8]		Mascot
	1691.8859	1691.7413	-0.1446	-85	925	938	LVVLMGEMILHYNK			Oxidation (M)[5,8]		Mascot
	1852.0076	1851.8528	-0.1548	-84	237	252	LQEVLNKHSNGLWVSK					Mascot
	2225.1013	2225.0334	-0.0679	-31	925	942	LVVLMGEMILHYNKMEEK			Oxidation (M)[5,8,15]		Mascot
	2225.1013	2225.0334	-0.0679	-31	925	942	LVVLMGEMILHYNKMEEK			Oxidation (M)[5,8,15]		Mascot
	2249.1482	2248.9912	-0.157	-70	445	464	VEYPSVLVVDASDTNCVILR			Carbamidomethyl (C)[16]		Mascot
	2283.0308	2283.0952	0.0644	28	1067	1085	DIWLHDIMAEFTDEMTKTA			Oxidation (M)[8]		Mascot
	2283.0308	2283.0952	0.0644	28	1067	1085	DIWLHDIMAEFTDEMTKTA			Oxidation (M)[8]		Mascot
	2299.0256	2299.1025	0.0769	33	1067	1085	DIWLHDIMAEFTDEMTKTA			Oxidation (M)[8,15]		Mascot
	2313.3064	2313.0933	-0.2131	-92	714	734	VLDILFVDVGVQASVEVIELR					Mascot
20	novel protein with EGF-like domains [Danio rerio]				gi 220678202		16194.7	8.11	7	31	0	

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
848.4545	848.4927	0.0382	45	140	146	KLDCISL			Carbamidomethyl (C)[4]	Mascot
882.5083	882.5356	0.0273	31	2	8	PFKSYIK				Mascot
1302.6293	1302.6656	0.0363	28	60	70	NINGVCQPICK			Carbamidomethyl (C)[6,10]	Mascot
1638.6635	1638.7983	0.1348	82	122	135	CFCNNGHTLDTDGK			Carbamidomethyl (C)[1,3]	Mascot
2437.9814	2438.0833	0.1019	42	71	91	RPCENGFCIGPDRCSCEGYK			Carbamidomethyl (C)[3], Oxidation (M)[17]	Mascot
3323.2585	3323.6208	0.3623	109	94	121	DCSEDEVNECGLPERPCHSCMNTMGSYR			Carbamidomethyl (C)[2,9,16], Oxidation (M)[21,24]	Mascot
3337.3105	3337.6189	0.3084	92	92	121	GKDCSEDEVNECGLPERPCHSCMNTMGSYR			Oxidation (M)[23,26]	Mascot
21	caspase c [Danio rerio]			gi 61806574		44909.8	5.99	10	31	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
1179.4882	1179.5604	0.0722	61	132	142	SCPGCQSNVER				Mascot
1179.4882	1179.5604	0.0722	61	132	142	SCPGCQSNVER				Mascot
1279.5889	1279.7313	0.1424	111	78	88	TEFSCPHFVGR				Mascot
1323.619	1323.626	0.007	5	160	168	KQTYYFCWK			Carbamidomethyl (C)[7]	Mascot
2122.9141	2122.9131	-0.001	0	172	191	EWKGVANNAGQCGNSS CGQR			Carbamidomethyl (C)[12]	Mascot
2123.0625	2122.9131	-0.1494	-70	96	112	LSYQEICQLMPLTDKQR			Carbamidomethyl (C)[7]	Mascot
2207.9397	2208.0339	0.0942	43	1	20	MTDEADNWNGDLEEDAA IAK				Mascot
2239.1096	2239.0525	-0.0571	-26	380	400	DFCCLRSSTPVTVSDPLL TGK				Mascot
2283.0029	2283.0952	0.0923	40	288	307	EEHAHSDSCFVVLMSHG NAR			Carbamidomethyl (C)[9]	Mascot
2283.0029	2283.0952	0.0923	40	288	307	EEHAHSDSCFVVLMSHG NAR			Carbamidomethyl (C)[9]	Mascot
2284.1926	2284.0898	-0.1028	-45	251	270	DELSMEMLLKGLGYTVV TLR			Oxidation (M)[5]	Mascot
2299.113	2299.1025	-0.0105	-5	91	110	TCGAKLSYQEICQLMPLT DK			Carbamidomethyl (C)[2]	Mascot
2300.1875	2300.0874	-0.1001	-44	251	270	DELSMEMLLKGLGYTVV TLR			Oxidation (M)[5,7]	Mascot
2300.1875	2300.0874	-0.1001	-44	251	270	DELSMEMLLKGLGYTVV TLR			Oxidation (M)[5,7]	Mascot
22	B-cell receptor-associated protein 31 [Danio rerio]			gi 41056137		28021.8	8.73	7	31	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type

	807.3301	807.3688	0.0387	48	238	244	CDAQQDK						Mascot
	842.4559	842.4807	0.0248	29	32	37	WSKFFK						Mascot
	996.4666	996.5621	0.0955	96	206	214	SDSDVKAMK			Oxidation (M)[8]			Mascot
	996.4666	996.5621	0.0955	96	206	214	SDSDVKAMK			Oxidation (M)[8]			Mascot
	1090.5739	1090.491	-0.0829	-76	202	211	ALQKSDSDVK						Mascot
	1307.743	1307.6309	-0.1121	-86	227	237	LLEEHarLQAK						Mascot
	2233.1909	2232.9983	-0.1926	-86	79	97	VDLSNNPVAIEHIHMKLF R						Mascot
	2249.1858	2248.9912	-0.1946	-87	79	97	VDLSNNPVAIEHIHMKLF R			Oxidation (M)[15]			Mascot
	3323.8186	3323.6208	-0.1978	-60	1	30	MSLQWTAVATFLYAEVL AVLLLCVPFISPK						Mascot

23 PREDICTED: estrogen-related receptor gamma, partial [Danio rerio] gi|326675851 25552.3 5.28 6 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1106.5994	1106.5146	-0.0848	-77	197	205	AIQHFYSIK					Mascot
1109.5911	1109.4491	-0.142	-128	215	223	LFLEMLEAK			Oxidation (M)[5]		Mascot
1334.7678	1334.8436	0.0758	57	3	14	IVSHLLVAEPEK					Mascot
1707.7969	1707.7114	-0.0855	-50	15	29	IYAMPDPTMPESDIK					Mascot
2300.2683	2300.0874	-0.1809	-79	30	50	ALTTLCDLADRELVIIGW AK					Mascot
2300.2683	2300.0874	-0.1809	-79	30	50	ALTTLCDLADRELVIIGW AK					Mascot
2705.156	2705.0432	-0.1128	-42	83	104	SLPYEDELVYAEDYVMD EEHSR			Oxidation (M)[16]		Mascot

24 PREDICTED: hypothetical protein LOC100001066 [Danio rerio] gi|125826514 28023.4 6.32 6 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
838.5145	838.5067	-0.0078	-9	235	241	ALLKHEK					Mascot
1179.5164	1179.5604	0.044	37	74	83	EDDVNESFPK					Mascot
1179.5164	1179.5604	0.044	37	74	83	EDDVNESFPK					Mascot
1307.6334	1307.6309	-0.0025	-2	219	230	LLDCVNCESIAK					Mascot
1448.7015	1448.8733	0.1718	119	74	85	EDDVNESFPKLR					Mascot
1851.7926	1851.8528	0.0602	33	157	173	DWGGGETGDRSIQDCQ K					Mascot
3323.6501	3323.6208	-0.0293	-9	121	153	GSHVYAPTIGSSTGPVV INTTTTTRGGSDYQK					Mascot

25 Ddx52 protein [Danio rerio] gi|81294184 66316.2 9.69 9 30 0

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank Result Type
	864.4573	864.501	0.0437	51	259	266	LSEGVGFR				Mascot
	870.5407	870.5098	-0.0309	-35	239	246	ALIISPTR				Mascot
	1302.6835	1302.6656	-0.0179	-14	205	217	REILACAPTGS GK				Mascot
	2123.1616	2122.9131	-0.2485	-117	218	235	TMAFCLPLLAHLRQPLNK			Carbamidomethyl (C)[5]	Mascot
	2123.1616	2122.9131	-0.2485	-117	218	235	TMAFCLPLLAHLRQPLNK			Carbamidomethyl (C)[5]	Mascot
	2283.3223	2283.0952	-0.2271	-99	407	426	NLIKQGFLPPVLV FVQSID R				Mascot
	2283.3223	2283.0952	-0.2271	-99	407	426	NLIKQGFLPPVLV FVQSID R				Mascot
	2313.1553	2313.0933	-0.062	-27	184	204	AAGFQTPTPIQM QAVPL MMHK			Oxidation (M)[12]	Mascot
	2384.188	2383.8523	-0.3357	-141	429	448	ELYHELVEGINVDVIHA DR				Mascot
	2501.2461	2501.1433	-0.1028	-41	184	205	AAGFQTPTPIQM QAVPL MMHKR			Oxidation (M)[12,18,19]	Mascot
	2705.3926	2705.0432	-0.3494	-129	382	406	NSAAETVEQQLLVFGSE NGKILAMR				Mascot
26	retinoic acid receptor RXR-beta-A [Danio rerio]				gi 24308520		48341.3	7.53	9	29	0

Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
27	842.3568	842.4807	0.1239	147	152	158	CLAMGMK			Carbamidomethyl (C)[1], Oxidation (M)[4,6]		Mascot
	848.4294	848.4927	0.0633	75	133	139	DCLVDKR					Mascot
	850.3909	850.5124	0.1215	143	91	98	LCAICGDR					Mascot
	850.3909	850.5124	0.1215	143	91	98	LCAICGDR					Mascot
	1106.5146	1106.5146	0	0	130	138	DNKDCLVDK			Carbamidomethyl (C)[5]		Mascot
	1234.683	1234.6324	-0.0506	-41	237	246	QLFTLVEWAK					Mascot
	1302.5242	1302.6656	0.1414	109	103	113	HYGVYSCEGCK			Carbamidomethyl (C)[7]		Mascot
	1323.6144	1323.626	0.0116	9	91	102	LCAICGDRSSGK			Carbamidomethyl (C)[2,5]		Mascot
	1460.709	1460.7429	0.0339	23	370	381	EKVYASLEAYCK			Carbamidomethyl (C)[11]		Mascot
	2501.2302	2501.1433	-0.0869	-35	417	438	LIGDTPIDTFLMEMLEAPH QLT			Oxidation (M)[12]		Mascot
27	interferon regulatory factor 1 [Danio rerio]				gi 45387903		32848	5.85	8	29	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.4392	807.3688	-0.0704	-87	131	137	MKGLSQK			Oxidation (M)[1]		Mascot

	870.4104	870.5098	0.0994	114	44	50	HGWEVDK					Mascot
	1090.5463	1090.491	-0.0553	-51	8	15	MRPWLESR	Oxidation (M)[1]				Mascot
	1179.6554	1179.5604	-0.095	-81	108	117	VYRMLPAVSK	Oxidation (M)[4]				Mascot
	1179.6554	1179.5604	-0.095	-81	108	117	VYRMLPAVSK	Oxidation (M)[4]				Mascot
	1448.676	1448.8733	0.1973	136	83	95	CAMNSLPDIEEVK					Mascot
	1691.7979	1691.7413	-0.0566	-33	83	97	CAMNSLPDIEEVKDK					Mascot
	1691.7979	1691.7413	-0.0566	-33	83	97	CAMNSLPDIEEVKDK					Mascot
	1707.7927	1707.7114	-0.0813	-48	83	97	CAMNSLPDIEEVKDK	Oxidation (M)[3]				Mascot
	1993.947	1993.8987	-0.0483	-24	79	95	ANFRCAMNSLPDIEEVK	Carbamidomethyl (C)[5]				Mascot
	2298.9529	2299.1025	0.1496	65	268	287	SDSYTYTELWNSSSMPQ SIC					Mascot
28	MCM6 minichromosome maintenance deficient 6, like [Danio rerio]					gij70887711	93152.1	5.23	11	29	0	

	1165.6034	1165.7042	0.1008	86	225	234	FCEQAVTIVR							Mascot
	1165.6034	1165.7042	0.1008	86	225	234	FCEQAVTIVR							Mascot
	1234.5334	1234.6324	0.099	80	315	325	SDETPEGWTGR							Mascot
	1434.879	1434.7195	-0.1595	-111	508	520	LIGSREPLLLAR							Mascot
	1460.7566	1460.7429	-0.0137	-9	331	343	EMQAAIVLQAGWK				Oxidation (M)[2]			Mascot
	1638.842	1638.7983	-0.0437	-27	534	546	GYIIPNQKNIICR				Carbamidomethyl (C)[12]			Mascot
	2123.0398	2122.9131	-0.1267	-60	235	254	ALGCVISCFSDPEELPLT TK							Mascot
	2123.0398	2122.9131	-0.1267	-60	235	254	ALGCVISCFSDPEELPLT TK							Mascot
	2283.1875	2283.0952	-0.0923	-40	447	466	MFSPIPVCILHVINNDTLE K							Mascot
	2283.2554	2283.0952	-0.1602	-70	8	29	ESSAGLLQSQDALASNK PLLLK							Mascot
	2299.1824	2299.1025	-0.0799	-35	447	466	MFSPIPVCILHVINNDTLE K				Oxidation (M)[1]			Mascot
30	non-specific lipid-transfer protein [Danio rerio]				gi 41053664	57939.8	7.1	10	29	0				

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
	807.3842	807.3688	-0.0154	-19	474	482	GSVSSDAGK					Mascot	
	838.4821	838.5067	0.0246	29	446	453	IGGVFAFK					Mascot	
	882.4944	882.5356	0.0412	47	177	183	VAWKNHK					Mascot	
	1045.4917	1045.5258	0.0341	33	136	143	HMEVMINR			Oxidation (M)[2]		Mascot	
	1106.5436	1106.5146	-0.029	-26	471	482	NGKGSVSSDAGK					Mascot	
	1165.5735	1165.7042	0.1307	112	435	444	LQEEGEAYVK					Mascot	
	1165.5735	1165.7042	0.1307	112	435	444	LQEEGEAYVK					Mascot	
	1302.5453	1302.6656	0.1203	92	126	135	YMDRTNPMDK			Oxidation (M)[2,8]		Mascot	
	1852.0149	1851.8528	-0.1621	-88	8	24	VFVIGVGMTKFEKPGAR			Oxidation (M)[8]		Mascot	
	2194.1028	2194.0044	-0.0984	-45	516	535	ITGNMGMMAMKLQNLQLT PGK			Oxidation (M)[5,7,9]		Mascot	
	2705.3398	2705.0432	-0.2966	-110	347	372	GHPLGATGLAQCAELCW QLRAEAGPR					Mascot	

31 hypothetical protein LOC493609 [Danio rerio] gi|56090176 25141.4 5.78 6 29 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
	850.3974	850.5124	0.115	135	70	76	AEEMLNK			Oxidation (M)[4]		Mascot	
	850.3974	850.5124	0.115	135	70	76	AEEMLNK			Oxidation (M)[4]		Mascot	
	1179.5463	1179.5604	0.0141	12	208	217	NYVTPVNQNM					Mascot	

	1179.5463	1179.5604	0.0141	12	208	217	NYVTPVNQNM										Mascot
	1277.5514	1277.6602	0.1088	85	196	207	GACHGQTGMFPR						Oxidation (M)[9]				Mascot
	1302.7052	1302.6656	-0.0396	-30	39	50	AELNGKEGFIPK										Mascot
	2152.9968	2152.9797	-0.0171	-8	27	44	VLNEECDQNWYKAE LN G										Mascot
	2438.0798	2438.0833	0.0035	1	196	217	GACHGQTGMFPRNYV TP VNQNM						Oxidation (M)[9]				Mascot
32	probable ATP-dependent RNA helicase DDX52 [Danio rerio] gi 113195544 68215.2 9.66 9 29 0																

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4573	864.501	0.0437	51	259	266	LSEGVGFR					Mascot
870.5407	870.5098	-0.0309	-35	239	246	ALIISPTR					Mascot
1302.6835	1302.6656	-0.0179	-14	205	217	REILACAPTSGSK					Mascot
2123.1616	2122.9131	-0.2485	-117	218	235	TMAFCLPLLAHLRQPLNK			Carbamidomethyl (C)[5]		Mascot
2123.1616	2122.9131	-0.2485	-117	218	235	TMAFCLPLLAHLRQPLNK			Carbamidomethyl (C)[5]		Mascot
2283.3223	2283.0952	-0.2271	-99	407	426	NLIKQGFLPPVLV FVQSID R					Mascot
2283.3223	2283.0952	-0.2271	-99	407	426	NLIKQGFLPPVLV FVQSID R					Mascot
2313.1553	2313.0933	-0.062	-27	184	204	AAGFQTPTPIQMAV PL MMHK			Oxidation (M)[12]		Mascot
2384.188	2383.8523	-0.3357	-141	429	448	ELYHELVEGINVD VIHA DR					Mascot
2501.2461	2501.1433	-0.1028	-41	184	205	AAGFQTPTPIQMAV PL MMHKR			Oxidation (M)[12,18,19]		Mascot
2705.3926	2705.0432	-0.3494	-129	382	406	NSAAETVEQQLLFV GSE NGKILAMR					Mascot

33 SH3 domain-binding protein 4-A [Danio rerio] gi|45387913 104947.5 7.73 12 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5822	842.4807	-0.1015	-120	634	640	LIKTVIR					Mascot
850.4338	850.5124	0.0786	92	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
850.4338	850.5124	0.0786	92	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.5098	0.0372	43	1	7	MAAHRIR			Oxidation (M)[1]		Mascot
1045.4796	1045.5258	0.0462	44	762	770	AELDSEPER					Mascot
1323.6283	1323.626	-0.0023	-2	778	788	LKEDCLNMETK					Mascot
1334.6443	1334.8436	0.1993	149	379	390	TESPM AEIVCVR					Mascot
1434.7158	1434.7195	0.0037	3	885	896	DVIHELHMG LDR					Mascot
2230.2417	2230.1023	-0.1394	-63	813	831	LIMDFVLLTTAVEV APRW					Mascot

	2284.2368	2284.0898	-0.147	-64	463	484	R TVVAIFGHDCAPKTLVLS EVGK										Mascot
	2300.0686	2300.0874	0.0188	8	568	587	DDQDCILAQFCVQTPQP PPK	Carbamidomethyl (C)[5]									Mascot
	2300.0686	2300.0874	0.0188	8	568	587	DDQDCILAQFCVQTPQP PPK	Carbamidomethyl (C)[5]									Mascot
	3337.6052	3337.6189	0.0137	4	269	298	LARSCHDLES LGQNPGW GQTQPVETNIVCK	Carbamidomethyl (C)[5]									Mascot
	3338.5496	3338.6084	0.0588	18	856	884	TGMVDSEAMWKPAYDFL LTWAAQIGDSYR	Oxidation (M)[3]									Mascot
	3354.5444	3354.6326	0.0882	26	856	884	TGMVDSEAMWKPAYDFL LTWAAQIGDSYR	Oxidation (M)[3,9]									Mascot

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novel protein similar to human and mouse myeloid/lymphoid or mixed-lineage leukemia 3 (MLL3) [Danio

gi|157885936

82601.8

9.38

13

28

0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
840.4937	840.4894	-0.0043	-5	462	469	VLGPVAER					Mascot
864.5189	864.501	-0.0179	-21	636	642	ELLYKAK					Mascot
870.4679	870.5098	0.0419	48	140	147	SISEGHLK					Mascot
996.5948	996.5621	-0.0327	-33	462	470	VLGPVAERR					Mascot
996.5948	996.5621	-0.0327	-33	462	470	VLGPVAERR					Mascot
1045.6152	1045.5258	-0.0894	-85	602	611	IQGLGLFAAR					Mascot
1090.5602	1090.491	-0.0692	-63	179	187	WTIDIAMPK			Oxidation (M)[7]		Mascot
1106.5323	1106.5146	-0.0177	-16	35	43	ITKDEEESR					Mascot
1307.5685	1307.6309	0.0624	48	423	433	YVCSVEEHEGR					Mascot
1460.6863	1460.7429	0.0566	39	188	200	VAPQSSESELEER					Mascot
1707.8483	1707.7114	-0.1369	-80	499	513	IAESLPGVEACSRYR			Carbamidomethyl (C)[11]		Mascot
2208.022	2208.0339	0.0119	5	275	294	GQTVVCAFCQRLGATSG CHR			Carbamidomethyl (C)[6,9]		Mascot
2225.0112	2225.0334	0.0222	10	668	686	YINHSCSPNCVAEVVTFE R			Carbamidomethyl (C)[6]		Mascot
2225.0112	2225.0334	0.0222	10	668	686	YINHSCSPNCVAEVVTFE R			Carbamidomethyl (C)[6]		Mascot
2283.1562	2283.0952	-0.061	-27	328	348	GAGAAAGLHVEHQLRCF SVFR			Carbamidomethyl (C)[16]		Mascot
2283.1562	2283.0952	-0.061	-27	328	348	GAGAAAGLHVEHQLRCF SVFR			Carbamidomethyl (C)[16]		Mascot

35

mitochondrial import receptor subunit TOM70 [Danio rerio]

gi|41152392

65067.7

6.47

10

28

0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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838.4127	838.5067	0.094	112	534	540	AIDMFNK						Mascot
848.3995	848.4927	0.0932	110	256	263	EGEASEVK						Mascot
850.4338	850.5124	0.0786	92	283	289	IISECTK			Carbamidomethyl (C)[5]			Mascot
850.4338	850.5124	0.0786	92	283	289	IISECTK			Carbamidomethyl (C)[5]			Mascot
1090.5562	1090.491	-0.0652	-60	325	334	VINMNDASVK						Mascot
1106.551	1106.5146	-0.0364	-33	325	334	VINMNDASVK			Oxidation (M)[4]			Mascot
1302.6763	1302.6656	-0.0107	-8	218	228	EPLMPSPQFIK			Oxidation (M)[4]			Mascot
1434.6971	1434.7195	0.0224	16	418	430	QAYTGNNPSQVQK						Mascot
1448.793	1448.8733	0.0803	55	534	546	AIDMFNKAINLAK						Mascot
2051.0854	2051.0142	-0.0712	-35	400	417	LRPDSALAAQKCFALY R						Mascot
2122.9307	2122.9131	-0.0176	-8	273	289	QYMEEENYDKIISECTK						Mascot
2122.9307	2122.9131	-0.0176	-8	273	289	QYMEEENYDKIISECTK						Mascot
2705.2256	2705.0432	-0.1824	-67	547	570	SEMEMAHLVSLCDAAYA QTEVAKK			Oxidation (M)[3]			Mascot

36 Zgc:136380 protein [Danio rerio] gi|146186683 55697 9.51 8 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.3818	848.4927	0.1109	131	53	60	SDLGPCEK					Mascot
850.3876	850.5124	0.1248	147	216	222	QHMGYAK			Oxidation (M)[3]		Mascot
850.3876	850.5124	0.1248	147	216	222	QHMGYAK			Oxidation (M)[3]		Mascot
882.4679	882.5356	0.0677	77	69	75	LYEKSSR					Mascot
1062.5677	1062.6549	0.0872	82	225	233	STVEELKEK					Mascot
1320.7158	1320.5358	-0.18	-136	88	98	YLQSLLAEVER					Mascot
1851.9963	1851.8528	-0.1435	-77	84	98	DFLRYLQSLLAEVER					Mascot
1993.9349	1993.8987	-0.0362	-18	170	187	EELSSTHSTIESFAAQEK					Mascot
2299.0945	2299.1025	0.008	3	426	446	GSVEKCNELSKPEPMEA EPPK					Mascot

37 coiled-coil domain-containing protein 123, mitochondrial precursor [Danio rerio] gi|41053710 79256.9 5.96 10 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
840.4937	840.4894	-0.0043	-5	69	76	TVAIPSPR					Mascot
1090.4105	1090.491	0.0805	74	79	87	SYSESDCSR			Carbamidomethyl (C)[7]		Mascot
1279.7269	1279.7313	0.0044	3	366	375	YQARFRPLTK					Mascot
1448.7162	1448.8733	0.1571	108	420	431	SCEEELQSLRVR					Mascot

1475.7522	1475.7014	-0.0508	-34	564	575	VKTCEVEDLQVR	Carbamidomethyl (C)[4]	Mascot
1638.8077	1638.7983	-0.0094	-6	654	667	DQLMLMASTLEKDK	Oxidation (M)[4]	Mascot
2211.0823	2211.0242	-0.0581	-26	340	358	QQAQELVDENDGLKMTV HR		Mascot
2233.2188	2232.9983	-0.2205	-99	536	555	LALEHSLSLAEHQTVTDK LK		Mascot
2239.2769	2239.0525	-0.2244	-100	54	76	SALAAAILSSSLTGRTVAI PSPR		Mascot
2501.1707	2501.1433	-0.0274	-11	304	323	CLQQSQHMKHLQQELCH THR	Oxidation (M)[8]	Mascot

38 novel protein similar to vertebrate IMP (inosine monophosphate) dehydrogenase 1 (IMPDH1) [Danio rerio] gi|94732690 8399.2 9.65 4 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.393	848.4927	0.0997	118	1	8	GCQDIGAK			Carbamidomethyl (C)[2]		Mascot
1045.4692	1045.5258	0.0566	54	15	23	SMMYSGELK					Mascot
1448.7491	1448.8733	0.1242	86	64	78	AGPNVPSPAVTKHSS					Mascot
1460.7889	1460.7429	-0.046	-31	1	14	GCQDIGAKSLSILR					Mascot

39 PREDICTED: centrosomal protein of 152 kDa-like [Danio rerio] gi|189537675 179442.1 5.41 16 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.4108	807.3688	-0.042	-52	688	693	TQQQFR					Mascot
840.5413	840.4894	-0.0519	-62	1357	1363	QRAIKPK					Mascot
848.4658	848.4927	0.0269	32	1217	1223	IKGDMLR			Oxidation (M)[5]		Mascot
856.5138	856.4889	-0.0249	-29	1289	1296	VLETPVAK					Mascot
996.5108	996.5621	0.0513	51	754	761	LEENLHNK					Mascot
996.5108	996.5621	0.0513	51	754	761	LEENLHNK					Mascot
1234.6174	1234.6324	0.015	12	1520	1531	EPIPGSEGHGVR					Mascot
1277.6332	1277.6602	0.027	21	607	617	DSQVRESSLEK					Mascot
1307.6842	1307.6309	-0.0533	-41	497	507	EQINLYESAIAK					Mascot
1320.6027	1320.5358	-0.0669	-51	1054	1064	RESPEDTETTR					Mascot
1434.6543	1434.7195	0.0652	45	224	235	MFNPQVNNQNGR			Oxidation (M)[1]		Mascot
1448.7493	1448.8733	0.124	86	540	552	IHSTPHISDSNLK					Mascot
1460.6699	1460.7429	0.073	50	1299	1311	HPRMQNAYGGSDK					Mascot
2225.1191	2225.0334	-0.0857	-39	730	749	LTDLSQEVLAQECYLAV					Mascot

	2225.1191	2225.0334	-0.0857	-39	730	749	CK LTDLSQEVLAVQECYLAV CK							Mascot
	2239.1289	2239.0525	-0.0764	-34	1341	1358	QIHQIYNQTYTSLMSKQR							Mascot
	2313.1616	2313.0933	-0.0683	-30	435	454	ASVINTLTHRLEESQQQC AK				Carbamidomethyl (C)[18]			Mascot
	2501.1975	2501.1433	-0.0542	-22	1253	1274	RYYLTCQLLEDGGQS AGAEK				Carbamidomethyl (C)[6]			Mascot
40	replication factor C subunit 3 [Danio rerio]				gi 41393079		40301.9	8.81	9	28	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.3381	801.3264	-0.0117	-15	155	160	YMATCR			Carbamidomethyl (C)[5]		Mascot
856.5363	856.4889	-0.0474	-55	271	277	LLEVRAR					Mascot
1062.5911	1062.6549	0.0638	60	50	57	TRIMCLLR			Carbamidomethyl (C)[5]		Mascot
1179.6984	1179.5604	-0.138	-117	203	213	EGLLLPELAK					Mascot
1179.6984	1179.5604	-0.138	-117	203	213	EGLLLPELAK					Mascot
1234.679	1234.6324	-0.0466	-38	58	68	ELYGAGVEKLR					Mascot
1307.5435	1307.6309	0.0874	67	346	356	FMEDGLGNFMF					Mascot
1323.5385	1323.626	0.0875	66	346	356	FMEDGLGNFMF			Oxidation (M)[2]		Mascot
1993.8962	1993.8987	0.0025	1	155	170	YMATCRILCCNSTSK			Carbamidomethyl (C)[5,10,11], Oxidation (M)[2]		Mascot
2208.0867	2208.0339	-0.0528	-24	309	327	AEVAQMAAYYEHLQLG NK			Oxidation (M)[6]		Mascot
2300.1855	2300.0874	-0.0981	-43	28	49	NLVQCGDFPHLLVYGPS GAGKK					Mascot
2300.1855	2300.0874	-0.0981	-43	28	49	NLVQCGDFPHLLVYGPS GAGKK					Mascot

41 novel protein [Danio rerio] gi|220675953 64816 6.15 11 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4028	807.3688	-0.034	-42	6	12	SGLDMLR			Oxidation (M)[5]		Mascot
842.5458	842.4807	-0.0651	-77	187	193	IVQTLLR					Mascot
848.4294	848.4927	0.0633	75	253	260	AMGKNSPK			Oxidation (M)[2]		Mascot
856.5502	856.4889	-0.0613	-72	228	235	EALGLLLK					Mascot
1307.597	1307.6309	0.0339	26	98	109	CSCPTDVLDAVK			Carbamidomethyl (C)[1]		Mascot
1448.6951	1448.8733	0.1782	123	152	163	EVCERVSDAWR					Mascot
1851.8872	1851.8528	-0.0344	-19	59	74	FYSQHSSQDAVDLQVK					Mascot
2225.2109	2225.0334	-0.1775	-80	306	324	NIAENVHEFPISRLVMVLK			Oxidation (M)[16]		Mascot
2225.2109	2225.0334	-0.1775	-80	306	324	NIAENVHEFPISRLVMVLK			Oxidation (M)[16]		Mascot

	2239.0093	2239.0525	0.0432	19	139	156	CELQLMFEHPGFREVCE R					Oxidation (M)[6]	Mascot
	2249.1309	2248.9912	-0.1397	-62	56	74	QIRFYSQHSSQDAVDLQ VK						Mascot
	2313.198	2313.0933	-0.1047	-45	206	227	SLSVLAAGIQQMENGNN VQALR						Mascot
42	PREDICTED: LOW QUALITY PROTEIN: ryanodine receptor 2 [Danio rerio]					gi 189530774	552356.6	5.83	36	28	0		

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.4464	801.3264	-0.12	-150	470	477	QGDIGALK					Mascot
807.4359	807.3688	-0.0671	-83	4337	4342	YQVEIR					Mascot
838.4603	838.5067	0.0464	55	1372	1377	QRFMLK			Oxidation (M)[4]		Mascot
840.4614	840.4894	0.028	33	3510	3515	LEIYFR					Mascot
848.4777	848.4927	0.015	18	3528	3533	RPVWYK					Mascot
996.468	996.5621	0.0941	94	1563	1571	NANPQCPPR					Mascot
996.5624	996.5621	-0.0003	0	3510	3516	LEIYFRR					Mascot
1045.5459	1045.5258	-0.0201	-19	75	83	ALQEMLANR					Mascot
1051.5604	1051.6759	0.1155	110	2440	2448	AAMVLFLLDR			Oxidation (M)[3]		Mascot
1062.5327	1062.6549	0.1222	115	1730	1738	VERFPGSDR					Mascot
1090.5714	1090.491	-0.0804	-74	3549	3557	MAPLYNLPR			Oxidation (M)[1]		Mascot
1109.599	1109.4491	-0.1499	-135	4108	4116	QFIFDVVNK					Mascot
1165.567	1165.7042	0.1372	118	33	43	LCLAAEGFGER					Mascot
1165.567	1165.7042	0.1372	118	33	43	LCLAAEGFGER					Mascot
1179.6265	1179.5604	-0.0661	-56	2756	2765	CMLVLGWTIK			Oxidation (M)[2]		Mascot
1179.6265	1179.5604	-0.0661	-56	2756	2765	CMLVLGWTIK			Oxidation (M)[2]		Mascot
1277.6525	1277.6602	0.0077	6	893	903	IEQGWTYGPVK					Mascot
1279.7157	1279.7313	0.0156	12	2896	2906	FAYGLIQQALR					Mascot
1302.7239	1302.6656	-0.0583	-45	908	918	KVHLCLVEFSK					Mascot
1307.6388	1307.6309	-0.0079	-6	2175	2184	FLCYFCRISR					Mascot
1320.6517	1320.5358	-0.1159	-88	2130	2139	VFYQHPLNMR			Oxidation (M)[9]		Mascot
1323.7242	1323.626	-0.0982	-74	3528	3537	RPVWYKMSK			Oxidation (M)[7]		Mascot
1460.7202	1460.7429	0.0227	16	4570	4582	VMAKYGELYGSAR			Oxidation (M)[2]		Mascot
1638.8268	1638.7983	-0.0285	-17	621	634	SNQHLCIDTLLPER					Mascot
1691.7483	1691.7413	-0.007	-4	2699	2711	YAEHTEKWSMEK			Oxidation (M)[11]		Mascot
1691.885	1691.7413	-0.1437	-85	2517	2532	SGPVDELLQGVSLSK					Mascot
1707.886	1707.7114	-0.1746	-102	1572	1584	LCVQHLTHTRWTR			Carbamidomethyl (C)[2]		Mascot
1851.9381	1851.8528	-0.0853	-46	2376	2392	CAPETHLIEAGKGEAIR			Carbamidomethyl (C)[1]		Mascot

	2050.8359	2051.0142	0.1783	87	4343	4359	EEDFHAVQDEEEDTETK										Mascot
	2211.1018	2211.0242	-0.0776	-35	601	620	NHKILDVLCVCHGMAVR										Mascot
	2229.8894	2230.1023	0.2129	95	4721	4737	CDDMLTCYMFHMYGVGR						Carbamidomethyl (C)[1,7], Oxidation (M)[4,9]				Mascot
	2233.0884	2232.9983	-0.0901	-40	1898	1917	VEAVISFSGDFVGHQLQEDQR										Mascot
	2249.2024	2248.9912	-0.2112	-94	2517	2538	SGPVDPELLQGVYLSKASGLTK										Mascot
	2283.2324	2283.0952	-0.1372	-60	3360	3378	LFSLVAEVFIFWAKSHNFK										Mascot
	2283.2324	2283.0952	-0.1372	-60	3360	3378	LFSLVAEVFIFWAKSHNFK										Mascot
	2284.0994	2284.0898	-0.0096	-4	3437	3458	KLLSVAMNGCCHGDQGLVSHAK						Oxidation (M)[7]				Mascot
	2299.1294	2299.1025	-0.0269	-12	1563	1581	NANPQCPRRLCVQHLTHTR						Carbamidomethyl (C)[6,11]				Mascot
	2300.2068	2300.0874	-0.1194	-52	3106	3125	ILSSLYILGTCSGSFIERQR						Carbamidomethyl (C)[11]				Mascot
	2300.2068	2300.0874	-0.1194	-52	3106	3125	ILSSLYILGTCSGSFIERQR						Carbamidomethyl (C)[11]				Mascot
	2501.2944	2501.1433	-0.1511	-60	3877	3897	LWDVVVGFVHFAHMQMKLSR						Oxidation (M)[15]				Mascot

43 prefoldin subunit 6 [Danio rerio] gi|41055782 14481.7 6.62 5 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4141	807.3688	-0.0453	-56	26	32	SMSARQK					Mascot
838.576	838.5067	-0.0693	-83	59	66	LIGPVLVK					Mascot
996.4778	996.5621	0.0843	85	22	30	DVSKSMSAR			Oxidation (M)[6]		Mascot
996.4778	996.5621	0.0843	85	22	30	DVSKSMSAR			Oxidation (M)[6]		Mascot
1234.6426	1234.6324	-0.0102	-8	80	89	LEYINGEIQR					Mascot
2233.157	2232.9983	-0.1587	-71	106	125	EVLSSLQQEYQRAQGQAVAK					Mascot

44 60S ribosomal protein L28 [Danio rerio] gi|41055030 15629.8 12.11 5 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.4787	856.4889	0.0102	12	41	47	FNGLIHR					Mascot
1051.5895	1051.6759	0.0864	82	13	21	NSSSFLIKR					Mascot
1279.6753	1279.7313	0.056	44	69	80	SGQRKPATSYGK					Mascot
1639.0013	1638.7983	-0.203	-124	114	128	RVSAILSSQKPVVVR					Mascot
2230.1802	2230.1023	-0.0779	-35	2	20	ASPHLQWMVIRNSSSFLIK			Oxidation (M)[8]		Mascot

45 HMG box-containing protein 1 [Danio rerio] gi|66773076 53342.5 5.88 8 28 0

Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	801.4213	801.3264	-0.0949	-118	7	13	SQSVLPQR					Mascot
	807.4069	807.3688	-0.0381	-47	1	6	MVWEVK			Oxidation (M)[1]		Mascot
	848.393	848.4927	0.0997	118	225	232	GAQSNPMK			Oxidation (M)[7]		Mascot
	1045.4806	1045.5258	0.0452	43	448	455	RMYTMEAK			Oxidation (M)[2]		Mascot
	1475.6907	1475.7014	0.0107	7	388	402	SHASGSSGATPTKCK			Carbamidomethyl (C)[14]		Mascot
	1589.8104	1589.7465	-0.0639	-40	1	13	MVWEVKSQSVLPQR			Oxidation (M)[1]		Mascot
	1589.8104	1589.7465	-0.0639	-40	1	13	MVWEVKSQSVLPQR			Oxidation (M)[1]		Mascot
	2208.0146	2208.0339	0.0193	9	298	317	HGIPCYDMQVGDLCCLPP GHR					Mascot
	2211.0273	2211.0242	-0.0031	-1	333	352	SYDFTPLDSSAVYVLSSM GR			Oxidation (M)[18]		Mascot
46	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12 [Danio rerio]				gi 74315939		16958.4	9.39	5	28	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	882.4501	882.5356	0.0855	97	2	9	AGYATLMR					Mascot
	1045.4805	1045.5258	0.0453	43	1	9	MAGYATLMR			Oxidation (M)[1,8]		Mascot
	1234.6215	1234.6324	0.0109	9	11	22	FVGFTGHGGVK					Mascot
	1460.7955	1460.7429	-0.0526	-36	31	44	VQETKTGALIGTDK					Mascot
	2230.042	2230.1023	0.0603	27	90	108	WLHCMTDDPPTTHPPEP KK					Mascot
47	Pkm2a protein [Danio rerio]				gi 45501385		58075.7	6.36	9	28	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	840.5301	840.4894	-0.0407	-48	449	456	APILAVTR					Mascot
	856.4457	856.4889	0.0432	50	378	384	TQHMIAR					Mascot
	996.4818	996.5621	0.0803	81	491	499	VNFAMDVGK			Oxidation (M)[5]		Mascot
	996.4818	996.5621	0.0803	81	491	499	VNFAMDVGK			Oxidation (M)[5]		Mascot
	1062.5691	1062.6549	0.0858	81	394	401	QVFEDLRR					Mascot
	1109.5811	1109.4491	-0.132	-119	272	280	LENHEGVRR					Mascot
	1179.6289	1179.5604	-0.0685	-58	58	67	SVDTLKEMIK			Oxidation (M)[8]		Mascot
	1179.6289	1179.5604	-0.0685	-58	58	67	SVDTLKEMIK			Oxidation (M)[8]		Mascot

	1302.6835	1302.6656	-0.0179	-14	45	57	NTGIICTIGPASR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</
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Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type	
	1302.6835	1302.6605	-0.023	-18	149	159 GDRIAQLICEK	138	100	Carbamidomethyl (C)[9]	Mascot	
	2051.0701	2051.0081	-0.062	-30	14	33 LNGCLLGRGAEVTEAVS PHK			Mascot		
	2122.9961	2122.906	-0.0901	-42	160	176 ICYPDLQELQTLDETER			Carbamidomethyl (C)[2]	Mascot	
	2122.9961	2122.906	-0.0901	-42	160	176 ICYPDLQELQTLDETER			Carbamidomethyl (C)[2]	Mascot	
	2233.1248	2232.9912	-0.1336	-60	109	129 SGLAVKHFDVVGAGVVD EDYR			Mascot		
2	Pbx2 [Danio rerio]				gi 7861936		18895.6	9.08	7	51 62.124	
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type	
	864.4686	864.4808	0.0122	14	153	159 SRFLDAR	12	0		Mascot	
	1051.5782	1051.6663	0.0881	84	133	141 FSSIQTQLK			Mascot		
	1051.5782	1051.6663	0.0881	84	133	141 FSSIQTQLK			Mascot		
	1179.6442	1179.5477	-0.0965	-82	1	10 ALFSVLCEIK			Carbamidomethyl (C)[7]	Mascot	
	1179.6732	1179.5477	-0.1255	-106	132	141 KFSSIQTQLK				Mascot	
	1307.6447	1307.6224	-0.0223	-17	142	152 QSTCEAVMILR			Carbamidomethyl (C)[4]	Mascot	
	1323.6395	1323.6151	-0.0244	-18	142	152 QSTCEAVMILR			Carbamidomethyl (C)[4], Oxidation (M)[8]	Mascot	
	1323.6395	1323.6151	-0.0244	-18	142	152 QSTCEAVMILR			Carbamidomethyl (C)[4], Oxidation (M)[8]	Mascot	
	1493.7563	1493.6685	-0.0878	-59	142	154 QSTCEAVMILRSR			3	0	Mascot
	1493.7563	1493.6685	-0.0878	-59	142	154 QSTCEAVMILRSR				Mascot	
	2283.1836	2283.0889	-0.0947	-41	133	152 FSSIQTQLKQSTCEAVMI LR				Mascot	
	2299.1785	2299.0923	-0.0862	-37	133	152 FSSIQTQLKQSTCEAVMI LR			Oxidation (M)[17]	Mascot	
3	talin-1 [Danio rerio]				gi 57222259		270469.6	5.86	21	48 37.141 18 0	
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type	
	807.4359	807.3643	-0.0716	-89	1520	1526 QFVQSAK				Mascot	
	1003.5054	1003.5089	0.0035	3	2506	2513 EKELEEAR			Mascot		
	1107.5906	1107.4929	-0.0977	-88	2262	2270 QQLANYSKR			Mascot		
	1109.5442	1109.4427	-0.1015	-91	2206	2215 AVADMLRSCK			Oxidation (M)[5]	Mascot	
	1144.6321	1144.4624	-0.1697	-148	2461	2471 ASDNLVKAQK			Mascot		
	1165.6576	1165.5326	-0.125	-107	1615	1625 SLAVNPKDPPK			Mascot		

	1165.6576	1165.6959	0.0383	33	1615	1625	SLAVNPKDPPK										Mascot
	1165.6576	1165.6959	0.0383	33	1615	1625	SLAVNPKDPPK										Mascot
	1179.5422	1179.5477	0.0055	5	2441	2450	ADQDSQTMKR										Mascot
	1179.5422	1179.5477	0.0055	5	2441	2450	ADQDSQTMKR	18	0								Mascot
	1234.5811	1234.6252	0.0441	36	1541	1551	ALDGAFNQENR										Mascot
	1307.8158	1307.6224	-0.1934	-148	2318	2328	LEQLKPRAKPK										Mascot
	1316.6804	1316.5031	-0.1773	-135	2193	2204	QEDVIATANLSR										Mascot
	1377.6069	1377.517	-0.0899	-65	197	207	FFYSDQNVDSR										Mascot
	1397.7206	1397.6699	-0.0507	-36	1398	1411	VLGEAMAGISHNAK										Mascot
	1475.7886	1475.6886	-0.1	-68	859	872	LLADATARMVEAAK									Oxidation (M)[9]	Mascot
	1493.7628	1493.6685	-0.0943	-63	1601	1614	AMLESSTGLIQTAR									Oxidation (M)[2]	Mascot
	1493.7628	1493.6685	-0.0943	-63	1601	1614	AMLESSTGLIQTAR									Oxidation (M)[2]	Mascot
	1589.8931	1589.7379	-0.1552	-98	1855	1869	TAKAIAVTQEMVTK										Mascot
	1589.8931	1589.7379	-0.1552	-98	1855	1869	TAKAIAVTQEMVTK										Mascot
	1638.8077	1638.7908	-0.0169	-10	92	106	MLDGTVKTMVDDSK										Mascot
	2050.9419	2051.0081	0.0662	32	1656	1673	ECDDAIEVLSNCIREVDK										Mascot
	2123.0107	2122.906	-0.1047	-49	1002	1021	ATVPTISDQASAMQLSQC AK									Carbamidomethyl (C)[18], Oxidation (M)[13]	Mascot
	2123.0107	2122.906	-0.1047	-49	1002	1021	ATVPTISDQASAMQLSQC AK									Carbamidomethyl (C)[18], Oxidation (M)[13]	Mascot
	2211.1865	2211.0151	-0.1714	-78	2059	2080	LGAASLGSEDPETQVVLI NAVK										Mascot
	2225.1846	2225.0317	-0.1529	-69	718	738	VVVAPTISSPVCQEQLIEA GK									Carbamidomethyl (C)[12]	Mascot
	2233.0952	2232.9912	-0.104	-47	1337	1357	AVTDSINQLISMCTQQAP GQK										Mascot
4	PREDICTED: ankyrin repeat and BTB/POZ domain-containing protein 2-like [Danio rerio]				gi 189521623		111556.2	5.84	15	46	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3818	807.3643	-0.0175	-22	206	211	WMVDTR					Mascot
842.473	842.4733	0.0003	0	654	660	LLSEPQR					Mascot
870.4614	870.5024	0.041	47	139	145	LSVVHCR			Carbamidomethyl (C)[6]		Mascot
882.4614	882.5284	0.067	76	997	1004	LHSLCGPR					Mascot
1045.5173	1045.5181	0.0008	1	548	556	HPSVHPESR					Mascot
1051.5306	1051.6663	0.1357	129	758	766	DFTIIGEEK					Mascot
1051.5306	1051.6663	0.1357	129	758	766	DFTIIGEEK					Mascot
1065.5259	1065.4639	-0.062	-58	418	426	VAMVHAHR			Oxidation (M)[3]		Mascot
1118.5688	1118.4618	-0.107	-96	428	437	SLLVDSDDVR					Mascot

1193.6161	1193.5642	-0.0519	-43	308	317	ETAYAQLELR											Mascot
1235.6525	1235.4767	-0.1758	-142	191	202	SSRCALSLSVGR											Mascot
1302.6041	1302.6605	0.0564	43	925	934	RHCEILCSER					Carbamidomethyl (C)[3]						Mascot
1307.7252	1307.6224	-0.1028	-79	849	859	VLLMSASQRFR											Mascot
1323.7202	1323.6151	-0.1051	-79	849	859	VLLMSASQRFR					Oxidation (M)[4]						Mascot
1323.7202	1323.6151	-0.1051	-79	849	859	VLLMSASQRFR					Oxidation (M)[4]						Mascot
1397.811	1397.6699	-0.1411	-101	489	501	TDLIGQAIQLLGR											Mascot
1434.7046	1434.707	0.0024	2	106	119	VAGEGLCFAPESVR											Mascot
1434.7046	1434.707	0.0024	2	106	119	VAGEGLCFAPESVR											Mascot
3312.6497	3312.1731	-0.4766	-144	318	347	TLEQALLATCVGSLSELS DLVSRAMHHMQR					Oxidation (M)[25]						Mascot

5 Zgc:136688 [Danio rerio] gi|49902960 48277.1 6.22 6 43 0 32 80.664

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4591	842.4733	0.0142	17	416	422	TQGPRQR					Mascot
1144.6069	1144.4624	-0.1445	-126	213	221	VSQQRIEER					Mascot
1179.5609	1179.5477	-0.0132	-11	155	163	KMQEQLCSR			Carbamidomethyl (C)[7]		Mascot
1179.5609	1179.5477	-0.0132	-11	155	163	KMQEQLCSR	20	0	Carbamidomethyl (C)[7]		Mascot
1316.678	1316.5031	-0.1749	-133	164	173	HDKLLEVFGR			Carbamidomethyl (C)[9]		Mascot
1533.6825	1533.6139	-0.0686	-45	30	42	DPVTIPCGHSYCK			Carbamidomethyl (C)[7,12]		Mascot
2123.0286	2122.906	-0.1226	-58	230	248	QATQMLTSLAQTALEESE R	12	0	Oxidation (M)[5]		Mascot
2123.0286	2122.906	-0.1226	-58	230	248	QATQMLTSLAQTALEESE R			Oxidation (M)[5]		Mascot

6 Zgc:136688 [Danio rerio] gi|89130587 47612.7 5.94 6 43 0 32 80.664

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4591	842.4733	0.0142	17	410	416	TQGPRQR					Mascot
1144.6069	1144.4624	-0.1445	-126	207	215	VSQQRIEER					Mascot
1179.5609	1179.5477	-0.0132	-11	149	157	KMQEQLCSR			Carbamidomethyl (C)[7]		Mascot
1179.5609	1179.5477	-0.0132	-11	149	157	KMQEQLCSR	20	0	Carbamidomethyl (C)[7]		Mascot
1316.678	1316.5031	-0.1749	-133	158	167	HDKLLEVFGR			Carbamidomethyl (C)[9]		Mascot
1533.6825	1533.6139	-0.0686	-45	24	36	DPVTIPCGHSYCK			Carbamidomethyl (C)[7,12]		Mascot
2123.0286	2122.906	-0.1226	-58	224	242	QATQMLTSLAQTALEESE R	12	0	Oxidation (M)[5]		Mascot
2123.0286	2122.906	-0.1226	-58	224	242	QATQMLTSLAQTALEESE			Oxidation (M)[5]		Mascot

7 PREDICTED: myosin-1c [Danio rerio] R
gi|326674254 122614.2 9.09 17 42 0 5 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.5104	996.5524	0.042	42	616	623	LMEILMSK			Oxidation (M)[2,6]		Mascot
996.5104	996.5524	0.042	42	616	623	LMEILMSK			Oxidation (M)[2,6]		Mascot
1045.5887	1045.5181	-0.0706	-68	695	704	QVDGVSTLVK					Mascot
1051.5643	1051.6663	0.102	97	1055	1064	NGHLSVTAPR					Mascot
1051.5643	1051.6663	0.102	97	1055	1064	NGHLSVTAPR					Mascot
1062.5287	1062.6423	0.1136	107	195	203	TLRNDNSSR					Mascot
1065.5145	1065.4639	-0.0506	-47	586	593	ILNQCFDR			Carbamidomethyl (C)[5]		Mascot
1118.5762	1118.4618	-0.1144	-102	483	491	IICDLVEEK			Carbamidomethyl (C)[3]		Mascot
1179.5796	1179.5477	-0.0319	-27	855	863	LCMQNMVRK			Carbamidomethyl (C)[2]		Mascot
1179.5796	1179.5477	-0.0319	-27	854	862	KLCMQNMVR			Carbamidomethyl (C)[3]		Mascot
1357.7004	1357.6583	-0.0421	-31	630	641	CIKPNDKQAGR			Carbamidomethyl (C)[1]		Mascot
1377.6678	1377.517	-0.1508	-109	139	152	DQCILISGESGAGK					Mascot
1393.551	1393.6404	0.0894	64	21	31	NGEFYCQSTK			Carbamidomethyl (C)[6,9]		Mascot
1434.6893	1434.707	0.0177	12	139	152	DQCILISGESGAGK			Carbamidomethyl (C)[3]		Mascot
1434.6893	1434.707	0.0177	12	139	152	DQCILISGESGAGK			Carbamidomethyl (C)[3]		Mascot
1493.8066	1493.6685	-0.1381	-92	611	623	NSLAKLMEILMSK			Oxidation (M)[7]		Mascot
1493.8066	1493.6685	-0.1381	-92	611	623	NSLAKLMEILMSK			Oxidation (M)[7]		Mascot
1533.7689	1533.6139	-0.155	-101	138	152	RDQCILISGESGAGK					Mascot
1589.8434	1589.7379	-0.1055	-66	705	717	HLGYKPEEYKLGR					Mascot
1589.8434	1589.7379	-0.1055	-66	705	717	HLGYKPEEYKLGR					Mascot
1837.8326	1837.891	0.0584	32	680	694	YKSLCPDTWPNWDGR					Mascot
2051.113	2051.0081	-0.1049	-51	993	1010	QKGDVVLQNEHVIETLTK					Mascot
2122.9763	2122.906	-0.0703	-33	803	818	HQPRCPENEYFLDYVR	5	0	Carbamidomethyl (C)[5]		Mascot
2122.9763	2122.906	-0.0703	-33	803	818	HQPRCPENEYFLDYVR			Carbamidomethyl (C)[5]		Mascot

8 finTRIM family, member 67 [Danio rerio] gi|319655773 47640.8 6.05 5 41 0 32 80.664

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4591	842.4733	0.0142	17	410	416	TQGPRQR					Mascot
1179.5609	1179.5477	-0.0132	-11	149	157	KMQEQLCSR			Carbamidomethyl (C)[7]		Mascot
1179.5609	1179.5477	-0.0132	-11	149	157	KMQEQLCSR	20	0	Carbamidomethyl (C)[7]		Mascot

	1316.678	1316.5031	-0.1749	-133	158	167	HDKLLEVF	CR					Carbamidomethyl (C)[9]	Mascot
	1533.6825	1533.6139	-0.0686	-45	24	36	DPVTIP	CGHSYCK					Carbamidomethyl (C)[7,12]	Mascot
	2123.0286	2122.906	-0.1226	-58	224	242	QATQML	TL	SAQT	ALEESE	12	0	Oxidation (M)[5]	Mascot
	2123.0286	2122.906	-0.1226	-58	224	242	QATQML	TL	SAQT	ALEESE			Oxidation (M)[5]	Mascot
9	Hapln1a protein [Danio rerio]				gi 190338272		36827.9		5.41	9	40	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1045.5095	1045.5181	0.0086	8	34	42	GDNITLPCR				Carbamidomethyl (C)[8]		Mascot
1062.5189	1062.6423	0.1234	116	263	271	VGHMFAAWK				Oxidation (M)[4]		Mascot
1065.5073	1065.4639	-0.0434	-41	318	325	LYGVYCYK				Carbamidomethyl (C)[6]		Mascot
1302.6664	1302.6605	-0.0059	-5	233	242	GRFYMIQPK						Mascot
1320.6293	1320.526	-0.1033	-78	222	232	YDVFCFTAGLK				Carbamidomethyl (C)[5]		Mascot
1448.7855	1448.8604	0.0749	52	43	55	LDGQSTLFGNRIK						Mascot
1533.7518	1533.6139	-0.1379	-90	222	234	YDVFCFTAGLKGR				Carbamidomethyl (C)[5]		Mascot
1707.8159	1707.6991	-0.1168	-68	218	232	SNSRYDVFCFTAGLK						Mascot
1837.8901	1837.891	0.0009	0	298	314	NCSPTAAVR	FVGF	PD	K			Mascot

10 novel protein similar to vertebrate hyaluronan and proteoglycan link protein 1 (HAPLN1) [Danio rerio]

gi|94732632 37663.3 5.42 9 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1045.5095	1045.5181	0.0086	8	34	42	GDNITLPCR				Carbamidomethyl (C)[8]		Mascot
1062.5189	1062.6423	0.1234	116	271	279	VGHMFAAWK				Oxidation (M)[4]		Mascot
1065.5073	1065.4639	-0.0434	-41	326	333	LYGVYCYK				Carbamidomethyl (C)[6]		Mascot
1302.6664	1302.6605	-0.0059	-5	241	250	GRFYMIQPK						Mascot
1320.6293	1320.526	-0.1033	-78	230	240	YDVFCFTAGLK				Carbamidomethyl (C)[5]		Mascot
1448.7855	1448.8604	0.0749	52	43	55	LDGQSTLFGNRIK						Mascot
1533.7518	1533.6139	-0.1379	-90	230	242	YDVFCFTAGLKGR				Carbamidomethyl (C)[5]		Mascot
1707.8159	1707.6991	-0.1168	-68	226	240	SNSRYDVFCFTAGLK						Mascot
1837.8901	1837.891	0.0009	0	306	322	NCSPTAAVR	FVGF	PD	K			Mascot

11 Zgc:136688 protein [Danio rerio]

gi|62205380 48414.1 6.39 4 39 0 32 80.664

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
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		842.4591	842.4733	0.0142	17	417	423	TQGPRQR									Mascot
		1179.5609	1179.5477	-0.0132	-11	156	164	KMQEQLCSR					Carbamidomethyl (C)[7]				Mascot
		1179.5609	1179.5477	-0.0132	-11	156	164	KMQEQLCSR	20		0		Carbamidomethyl (C)[7]				Mascot
		1533.6825	1533.6139	-0.0686	-45	31	43	DPVTIPCGHSYCK					Carbamidomethyl (C)[7,12]				Mascot
		2123.0286	2122.906	-0.1226	-58	231	249	QATQMLTLSAQTALEESE R	12		0		Oxidation (M)[5]				Mascot
		2123.0286	2122.906	-0.1226	-58	231	249	QATQMLTLSAQTALEESE R					Oxidation (M)[5]				Mascot
12	Hapln1a protein [Danio rerio]						gi 148745617	36813	5.57	9	39	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1045.5095	1045.5181	0.0086	8	34	42	GDNITLPCR				Carbamidomethyl (C)[8]		Mascot
1062.5189	1062.6423	0.1234	116	263	271	VGHMFAAWK				Oxidation (M)[4]		Mascot
1065.5073	1065.4639	-0.0434	-41	318	325	LYGVYCYK				Carbamidomethyl (C)[6]		Mascot
1302.6664	1302.6605	-0.0059	-5	233	242	GRFYMIQPK						Mascot
1320.6293	1320.526	-0.1033	-78	222	232	YDVFCFTAGLK				Carbamidomethyl (C)[5]		Mascot
1448.7855	1448.8604	0.0749	52	43	55	LDGQSTLFGNRIK						Mascot
1533.7518	1533.6139	-0.1379	-90	222	234	YDVFCFTAGLKGR				Carbamidomethyl (C)[5]		Mascot
1707.8159	1707.6991	-0.1168	-68	218	232	SNSRYDVFCFTAGLK						Mascot
1837.8901	1837.891	0.0009	0	298	314	NCSPTEAAVRVFGFPDK						Mascot

13 pleckstrin homology domain-containing family G member 7 [Danio rerio] gi|113681918 49035.5 6.76 9 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1062.5037	1062.6423	0.1386	130	15	23	AAQHPTMYK				Oxidation (M)[6]		Mascot
1165.6034	1165.5326	-0.0708	-61	1	10	MSLVDFLQGR						Mascot
1165.6034	1165.6959	0.0925	79	1	10	MSLVDFLQGR						Mascot
1165.6034	1165.6959	0.0925	79	1	10	MSLVDFLQGR						Mascot
1193.6313	1193.5642	-0.0671	-56	219	227	WLDNYQVKV						Mascot
1320.6001	1320.526	-0.0741	-56	61	70	QCLQDIDSWR				Carbamidomethyl (C)[2]		Mascot
1365.6289	1365.5846	-0.0443	-32	115	126	AFSESICHCLQK						Mascot
1493.7239	1493.6685	-0.0554	-37	114	126	KAFSESICHCLQK						Mascot
1493.7239	1493.6685	-0.0554	-37	114	126	KAFSESICHCLQK						Mascot
1638.8519	1638.7908	-0.0611	-37	1	14	MSLVDFLQGRSELK				Oxidation (M)[1]		Mascot

1691.9037	1691.7314	-0.1723	-102	387	401	AWMSEIEKAVSSLLK							Mascot
1691.9037	1691.7314	-0.1723	-102	387	401	AWMSEIEKAVSSLLK							Mascot
1707.8986	1707.6991	-0.1995	-117	387	401	AWMSEIEKAVSSLLK					Oxidation (M)[3]		Mascot
2283.9646	2284.0823	0.1177	52	95	113	EMWTDPDSCSTQSLHDL FR					Oxidation (M)[2]		Mascot

14 RAS guanyl-releasing protein 1 [Danio rerio] gi|113678177 77834.7 7.57 11 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4882	842.4733	-0.0149	-18	271	277	FIHVAQK					Mascot
1003.5319	1003.5089	-0.023	-23	224	232	SYVVHGSR					Mascot
1165.5703	1165.5326	-0.0377	-32	580	589	DVVGMECLKR			Oxidation (M)[5]		Mascot
1165.5703	1165.6959	0.1256	108	580	589	DVVGMECLKR			Oxidation (M)[5]		Mascot
1165.5703	1165.6959	0.1256	108	580	589	DVVGMECLKR			Oxidation (M)[5]		Mascot
1279.5769	1279.7172	0.1403	110	33	43	MTCPSAQEISR			Carbamidomethyl (C)[3]		Mascot
1357.5558	1357.6583	0.1025	76	569	579	DCGVNCHKHCK			Carbamidomethyl (C)[2,6]		Mascot
1365.6793	1365.5846	-0.0947	-69	135	145	LMFEMDPLEK					Mascot
1377.6256	1377.517	-0.1086	-79	213	223	NFCNVSFIDYR					Mascot
1397.6691	1397.6699	0.0008	1	135	145	LMFEMDPLEK			Oxidation (M)[2,5]		Mascot
1434.647	1434.707	0.06	42	213	223	NFCNVSFIDYR			Carbamidomethyl (C)[3]		Mascot
1434.6538	1434.707	0.0532	37	577	588	HCKDVVGMECLK			Carbamidomethyl (C)[2], Oxidation (M)[8]		Mascot
1475.6803	1475.6886	0.0083	6	577	588	HCKDVVGMECLK			Carbamidomethyl (C)[2,10]		Mascot
1851.8438	1851.8479	0.0041	2	513	528	EEITSYFMRGMSVCAK					Mascot
1867.8387	1867.8413	0.0026	1	513	528	EEITSYFMRGMSVCAK			Oxidation (M)[8]		Mascot
2284.2812	2284.0823	-0.1989	-87	433	454	IQPVAPVKPPVVAEWGS GVTPR					Mascot
2501.2024	2501.1555	-0.0469	-19	33	55	MTCPSAQEISRALQSPPA HASFR			Oxidation (M)[1]		Mascot

15 PREDICTED: LOW QUALITY PROTEIN: ryanodine receptor 2 [Danio rerio] gi|189530774 552356.6 5.83 38 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.4359	807.3643	-0.0716	-89	4337	4342	YQVEIR					Mascot
870.3774	870.5024	0.125	144	2742	2747	DKECYR			Carbamidomethyl (C)[4]		Mascot
996.468	996.5524	0.0844	85	1563	1571	NANPQCPPR					Mascot
996.5624	996.5524	-0.01	-10	3510	3516	LEIYFRR					Mascot
1045.5459	1045.5181	-0.0278	-27	75	83	ALQEMLANR					Mascot

1051.5604	1051.6663	0.1059	101	2440	2448	AAMVLFLDR	Oxidation (M)[3]	Mascot
1051.5604	1051.6663	0.1059	101	2440	2448	AAMVLFLDR	Oxidation (M)[3]	Mascot
1062.5327	1062.6423	0.1096	103	1730	1738	VERFPGSDR		Mascot
1065.4645	1065.4639	-0.0006	-1	2175	2181	FLCYFCR	Carbamidomethyl (C)[3,6]	Mascot
1107.6132	1107.4929	-0.1203	-109	3526	3533	MKRPVWYK		Mascot
1109.599	1109.4427	-0.1563	-141	4108	4116	QFIFDVVNK		Mascot
1144.6143	1144.4624	-0.1519	-133	1782	1792	EAVMVVGQGVR		Mascot
1165.567	1165.5326	-0.0344	-30	33	43	LCLAAEGFGER		Mascot
1165.567	1165.6959	0.1289	111	33	43	LCLAAEGFGER		Mascot
1165.567	1165.6959	0.1289	111	33	43	LCLAAEGFGER		Mascot
1179.6265	1179.5477	-0.0788	-67	2756	2765	CMLVLGWTIK	Oxidation (M)[2]	Mascot
1179.6265	1179.5477	-0.0788	-67	2756	2765	CMLVLGWTIK	Oxidation (M)[2]	Mascot
1277.6525	1277.6559	0.0034	3	893	903	IEQGWTYGPVK		Mascot
1279.7157	1279.7172	0.0015	1	2896	2906	FAYGLIQQALR		Mascot
1302.7239	1302.6605	-0.0634	-49	908	918	KVHLCLVEFSK		Mascot
1307.6388	1307.6224	-0.0164	-13	2175	2184	FLCYFCRISR		Mascot
1320.6517	1320.526	-0.1257	-95	2130	2139	VFYQHNPMLR	Oxidation (M)[9]	Mascot
1323.7242	1323.6151	-0.1091	-82	3528	3537	RPVWYKMLSK	Oxidation (M)[7]	Mascot
1323.7242	1323.6151	-0.1091	-82	3528	3537	RPVWYKMLSK	Oxidation (M)[7]	Mascot
1357.6351	1357.6583	0.0232	17	4175	4185	MTRDLNCFSVR	Oxidation (M)[1]	Mascot
1365.6393	1365.5846	-0.0547	-40	3461	3471	FAQRDTEDEV		Mascot
1393.7004	1393.6404	-0.06	-43	4178	4188	DLNCFSVRNIR	Carbamidomethyl (C)[4]	Mascot
1596.6329	1596.7131	0.0802	50	3636	3649	SCQSEEEQDEDGLK		Mascot
1638.8268	1638.7908	-0.036	-22	621	634	SNQHLCITLLPER		Mascot
1691.7483	1691.7314	-0.0169	-10	2699	2711	YAEHTHEKWSMEK	Oxidation (M)[11]	Mascot
1691.885	1691.7314	-0.1536	-91	2517	2532	SGPVDELLQGVYSLSK		Mascot
1707.886	1707.6991	-0.1869	-109	1572	1584	LCVQHLTHTRWTR	Carbamidomethyl (C)[2]	Mascot
1791.8872	1791.6489	-0.2383	-133	2	16	DIGEAEDEIQFLRTR		Mascot
1837.9113	1837.891	-0.0203	-11	1920	1936	YNEVVDALNMSAALTAR		Mascot
1851.9381	1851.8479	-0.0902	-49	2376	2392	CAPETHLIEAGKGEAIR	Carbamidomethyl (C)[1]	Mascot
2050.8359	2051.0081	0.1722	84	4343	4359	EEDFHAVQDEEEDTETK		Mascot
2211.1018	2211.0151	-0.0867	-39	601	620	NHKILDVLCSLCVCHGMA VR		Mascot
2233.0884	2232.9912	-0.0972	-44	1898	1917	VEAVISFSGDFVGHLQED QR		Mascot
2283.2324	2283.0889	-0.1435	-63	3360	3378	LFSLVAEVFIFWAKSHNF K		Mascot
2284.0994	2284.0823	-0.0171	-7	3437	3458	KLLSVAMNGCCHGDQGL VSHAK	Oxidation (M)[7]	Mascot

	2299.1294	2299.0923	-0.0371	-16	1563	1581	NANPQCPPRLCVQHLTH TR		Carbamidomethyl (C)[6,11]	Mascot	
	2300.2068	2300.0823	-0.1245	-54	3106	3125	ILSSLYILGTCSGSFIERQ R		Carbamidomethyl (C)[11]	Mascot	
	2501.2944	2501.1555	-0.1389	-56	3877	3897	LWDAVVGFHLVFAHMQM KLSR		Oxidation (M)[15]	Mascot	
16	novel protein [Danio rerio]				gi 148725934		20790.5	5.31	7	37	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3553	807.3643	0.009	11	11	17	LGDMEDK					Mascot
842.3937	842.4733	0.0796	94	18	24	HINCAER					Mascot
864.4131	864.4808	0.0677	78	2	8	EEVSCLK			Carbamidomethyl (C)[5]		Mascot
1003.4941	1003.5089	0.0148	15	94	101	VEELEQEK					Mascot
1051.6007	1051.6663	0.0656	62	161	168	HQELQRLK					Mascot
1051.6007	1051.6663	0.0656	62	161	168	HQELQRLK					Mascot
1179.6112	1179.5477	-0.0635	-54	1	10	MEEVSCLKLK					Mascot
1179.6112	1179.5477	-0.0635	-54	1	10	MEEVSCLKLK					Mascot
1235.6062	1235.4767	-0.1295	-105	18	27	HINCAERQHK					Mascot

17	contactin-1a precursor [Danio rerio]				gi 136256388		114246.1	6.19	14	37	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
957.5152	957.3986	-0.1166	-122	2	9	IPEAFQPR					Mascot
1045.5173	1045.5181	0.0008	1	562	569	DAQHYQRK					Mascot
1062.5513	1062.6423	0.091	86	442	449	VVFECRPR			Carbamidomethyl (C)[5]		Mascot
1118.4572	1118.4618	0.0046	4	492	500	YTCFAENDR					Mascot
1308.575	1308.6052	0.0302	23	898	910	ACNGAGYGPASQR			Carbamidomethyl (C)[2]		Mascot
1365.6857	1365.5846	-0.1011	-74	503	516	ANSTGSL SITDATK					Mascot
1434.7231	1434.707	-0.0161	-11	1	12	MIPEAFQPRAMK			Oxidation (M)[1]		Mascot
1434.7231	1434.707	-0.0161	-11	1	12	MIPEAFQPRAMK			Oxidation (M)[1]		Mascot
1638.7581	1638.7908	0.0327	20	931	944	MHYSGSSINIAWEK			Oxidation (M)[1]		Mascot
1691.6965	1691.7314	0.0349	21	487	500	SDEGKYTCFAENDR			Carbamidomethyl (C)[8]		Mascot
1691.6965	1691.7314	0.0349	21	487	500	SDEGKYTCFAENDR			Carbamidomethyl (C)[8]		Mascot
1707.7683	1707.6991	-0.0692	-41	138	151	VQFGYLD MFSTDER					Mascot
2224.9749	2225.0317	0.0568	26	388	406	FSRLGFEDSGMYQCVAE NR			Oxidation (M)[11]		Mascot
2283.092	2283.0889	-0.0031	-1	594	614	YSCTAQTPVDNTTASAE LVVR			Carbamidomethyl (C)[3]		Mascot

	2284.2131	2284.0823	-0.1308	-57	442	460	VVFECRPRAAPRPNITW SK						Carbamidomethyl (C)[5]	Mascot
	2299.1426	2299.0923	-0.0503	-22	986	1007	GEYLVVRAHSEGGDGA VAQVR							Mascot
18	ectonucleotide pyrophosphatase/phosphodiesterase family member 2 [Danio rerio]				gi 41054802		97130.8	8.14	15	37	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
957.4828	957.3986	-0.0842	-88	700	706	VWSYFQK					Mascot
1045.3826	1045.5181	0.1355	130	123	130	GDCCTNYR			Carbamidomethyl (C)[3,4]		Mascot
1184.5364	1184.5308	-0.0056	-5	92	102	TAGGFECSEK					Mascot
1340.5323	1340.6235	0.0912	68	463	474	CGFAGDHGYDNK			Carbamidomethyl (C)[1]		Mascot
1475.6583	1475.6886	0.0303	21	647	659	VPTAYSQSCSNYR					Mascot
1533.6243	1533.6139	-0.0104	-7	123	134	GDCCTNYRSLCK			Carbamidomethyl (C)[3,4,11]		Mascot
1589.7933	1589.7379	-0.0554	-35	249	261	WWGGQPIWITAMK			Oxidation (M)[12]		Mascot
1589.7933	1589.7379	-0.0554	-35	249	261	WWGGQPIWITAMK			Oxidation (M)[12]		Mascot
1596.838	1596.7131	-0.1249	-78	816	828	DVELLTGLDFYRR					Mascot
1791.7504	1791.6489	-0.1015	-57	459	474	NHEKCGFAGDHGYDNK					Mascot
1851.9559	1851.8479	-0.108	-58	313	329	LGPHSTELNSALRDVDK					Mascot
1867.6754	1867.8413	0.1659	89	77	91	TYNMCCSDFDDHCLK			Carbamidomethyl (C)[5], Oxidation (M)[4]		Mascot
2210.999	2211.0151	0.0161	7	346	364	CINIILVGDHGMEEAHCD K			Carbamidomethyl (C)[1,17]		Mascot
2233.1545	2232.9912	-0.1633	-73	577	595	QVIDDNKNLPYGRPAVM FR					Mascot
2282.9661	2283.0889	0.1228	54	58	76	CFELVEADPPNCRCDNL CK			Carbamidomethyl (C)[1,12]		Mascot
2300.2583	2300.0823	-0.176	-77	402	421	AVVANLTCKKPDQHFKP YLK					Mascot

19	Zgc:123120 [Danio rerio]				gi 79158694		19987.2	5.87	6	36	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.5406	870.5024	-0.0382	-44	2	9	SAQKVIPIK					Mascot
1065.5358	1065.4639	-0.0719	-67	171	179	RLSTQCSTI			Carbamidomethyl (C)[6]		Mascot
1235.5797	1235.4767	-0.103	-83	128	137	NRICNTNTDK			Carbamidomethyl (C)[4]		Mascot
1323.5845	1323.6151	0.0306	23	130	140	ICNTNTDKDDK			Carbamidomethyl (C)[2]		Mascot
1323.5845	1323.6151	0.0306	23	130	140	ICNTNTDKDDK			Carbamidomethyl (C)[2]		Mascot
1596.7646	1596.7131	-0.0515	-32	46	59	MLLEAQRESSSSSR			Oxidation (M)[1]		Mascot
2501.5186	2501.1555	-0.3631	-145	149	171	LLPSPVLTHILMLGLGICI GRR					Mascot

20 PREDICTED: procollagen galactosyltransferase 2 [Danio rerio] gi|326664713 67895.4 6.35 9 36 0 11 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1062.55	1062.6423	0.0923	87	423	431	LNTIMEDVK					Mascot
1118.5874	1118.4618	-0.1256	-112	162	171	TLVAPMLDSR			Oxidation (M)[6]		Mascot
1193.6161	1193.5642	-0.0519	-43	373	382	DPYSDRVLTk					Mascot
1234.646	1234.6252	-0.0208	-17	423	432	LNTIMEDVKR			Oxidation (M)[5]		Mascot
1365.6857	1365.5846	-0.1011	-74	568	581	GGKTTTSVSESSPK					Mascot
1397.7688	1397.6699	-0.0989	-71	190	200	TPHYVPIRTWK					Mascot
1851.921	1851.8479	-0.0731	-39	383	397	GEIGCFLSHYNIWKK			Carbamidomethyl (C)[5]		Mascot
2123.0986	2122.906	-0.1926	-91	354	372	AMNSTQLRTLGIEMLPGF K	11	0	Oxidation (M)[2]		Mascot
2123.0986	2122.906	-0.1926	-91	354	372	AMNSTQLRTLGIEMLPGF K			Oxidation (M)[2]		Mascot
3311.7166	3312.1731	0.4565	138	297	324	METSQYLHIVSKPKDTMA FNQVYLINLK					Mascot

21 novel protein [Danio rerio] gi|169146109 64501.6 6.3 10 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.5836	996.5524	-0.0312	-31	508	517	SPGILSPGIR					Mascot
996.5836	996.5524	-0.0312	-31	508	517	SPGILSPGIR					Mascot
1045.5411	1045.5181	-0.023	-22	118	126	VIADLEEEK					Mascot
1065.4882	1065.4639	-0.0243	-23	280	287	ELDEMKER			Oxidation (M)[5]		Mascot
1107.631	1107.4929	-0.1381	-125	527	536	FHSPVPVPAKK					Mascot
1179.5319	1179.5477	0.0158	13	92	101	LVMAHCTNMK			Oxidation (M)[3,9]		Mascot
1179.5319	1179.5477	0.0158	13	92	101	LVMAHCTNMK			Oxidation (M)[3,9]		Mascot
1307.7106	1307.6224	-0.0882	-67	524	535	AEKFHSPVPVPAK					Mascot
1320.5663	1320.526	-0.0403	-31	67	78	DSELSQAQDDGR					Mascot
1493.6909	1493.6685	-0.0224	-15	92	103	LVMAHCTNMKEK			Carbamidomethyl (C)[6], Oxidation (M)[3,9]		Mascot
1493.6909	1493.6685	-0.0224	-15	92	103	LVMAHCTNMKEK			Carbamidomethyl (C)[6], Oxidation (M)[3,9]		Mascot
1691.7542	1691.7314	-0.0228	-13	130	145	AQDAAAGDDITDMLER					Mascot
1691.7542	1691.7314	-0.0228	-13	130	145	AQDAAAGDDITDMLER					Mascot
1707.749	1707.6991	-0.0499	-29	130	145	AQDAAAGDDITDMLER			Oxidation (M)[13]		Mascot
1994.1029	1993.8905	-0.2124	-107	497	517	NLAAASSPTGKSPGILSP GIR					Mascot

22 novel protein similar to vertebrate transmembrane gi|220679023 61506.7 8.9 10 35 0

protein 209 (TMEM209) [Danio rerio]

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.3945	864.4808	0.0863	100	297	304	DDTELGSK					Mascot
1051.5088	1051.6663	0.1575	150	6	14	EGMTSLIER			Oxidation (M)[3]		Mascot
1051.5088	1051.6663	0.1575	150	6	14	EGMTSLIER			Oxidation (M)[3]		Mascot
1109.5586	1109.4427	-0.1159	-104	270	279	TVGDYAQSLR					Mascot
1307.5916	1307.6224	0.0308	24	260	269	HSPSFWNYNR					Mascot
1340.5721	1340.6235	0.0514	38	408	419	ELAHSGCMSSFR			Oxidation (M)[8]		Mascot
1393.7355	1393.6404	-0.0951	-68	6	17	EGMTSLIERTIK			Oxidation (M)[3]		Mascot
1397.5936	1397.6699	0.0763	55	408	419	ELAHSGCMSSFR			Carbamidomethyl (C)[7], Oxidation (M)[8]		Mascot
1448.7413	1448.8604	0.1191	82	2	14	TPSKEGMSLIER					Mascot
1596.7257	1596.7131	-0.0126	-8	539	551	SRPFGCECTVDLR			Carbamidomethyl (C)[6,8]		Mascot
1638.7727	1638.7908	0.0181	11	406	419	IKELAHSGCMSSFR			Carbamidomethyl (C)[9], Oxidation (M)[10]		Mascot
2224.9861	2225.0317	0.0456	20	408	427	ELAHSGCMSSFRWNGG GDLK			Carbamidomethyl (C)[7], Oxidation (M)[8]		Mascot
23	CTTNBP2 N-terminal-like protein [Danio rerio]			gi 116517238		65830.4	6.2	10	35	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.5836	996.5524	-0.0312	-31	520	529	SPGILSPGIR					Mascot
996.5836	996.5524	-0.0312	-31	520	529	SPGILSPGIR					Mascot
1045.5411	1045.5181	-0.023	-22	130	138	VIADLEEEK					Mascot
1065.4882	1065.4639	-0.0243	-23	292	299	ELDEMKER			Oxidation (M)[5]		Mascot
1107.631	1107.4929	-0.1381	-125	539	548	FHSPVPVPAKK					Mascot
1179.5319	1179.5477	0.0158	13	104	113	LVMAHCTNMK			Oxidation (M)[3,9]		Mascot
1179.5319	1179.5477	0.0158	13	104	113	LVMAHCTNMK			Oxidation (M)[3,9]		Mascot
1307.7106	1307.6224	-0.0882	-67	536	547	AEKFHSPVPVPAK					Mascot
1320.5663	1320.526	-0.0403	-31	79	90	DSELSQAQDDGR					Mascot
1493.6909	1493.6685	-0.0224	-15	104	115	LVMAHCTNMKEK			Carbamidomethyl (C)[6], Oxidation (M)[3,9]		Mascot
1493.6909	1493.6685	-0.0224	-15	104	115	LVMAHCTNMKEK			Carbamidomethyl (C)[6], Oxidation (M)[3,9]		Mascot
1691.7542	1691.7314	-0.0228	-13	142	157	AQDAAAGDDITDMLER					Mascot
1691.7542	1691.7314	-0.0228	-13	142	157	AQDAAAGDDITDMLER					Mascot
1707.749	1707.6991	-0.0499	-29	142	157	AQDAAAGDDITDMLER			Oxidation (M)[13]		Mascot
1994.1029	1993.8905	-0.2124	-107	509	529	NLAAASSPTGKSPGILSP GIR					Mascot

24 intraflagellar transport protein 172 homolog [Danio rerio] gi|50539690 197598.9 5.6 18 35 0 8 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3818	807.3643	-0.0175	-22	1498	1503	MWSDLR					Mascot
882.4501	882.5284	0.0783	89	828	834	ALECYRK					Mascot
957.4896	957.3986	-0.091	-95	1	7	MLKYMK			Oxidation (M)[1]		Mascot
1051.5419	1051.6663	0.1244	118	1384	1391	LEEYVDKR					Mascot
1051.5419	1051.6663	0.1244	118	1384	1391	LEEYVDKR					Mascot
1165.6034	1165.5326	-0.0708	-61	1480	1488	MFQELVNLR			Oxidation (M)[1]		Mascot
1165.6034	1165.6959	0.0925	79	1480	1488	MFQELVNLR			Oxidation (M)[1]		Mascot
1165.6034	1165.6959	0.0925	79	1480	1488	MFQELVNLR			Oxidation (M)[1]		Mascot
1193.6095	1193.5642	-0.0453	-38	1173	1182	EAVLMHVHNK			Oxidation (M)[5]		Mascot
1279.6537	1279.7172	0.0635	50	1310	1320	CWMKAAELAİK			Oxidation (M)[3]		Mascot
1302.6648	1302.6605	-0.0043	-3	565	576	GDIVDLERSNGK					Mascot
1320.6803	1320.526	-0.1543	-117	1310	1320	CWMKAAELAİK			Carbamidomethyl (C)[1]		Mascot
1323.6222	1323.6151	-0.0071	-5	824	833	NNQRALECYR	8	0	Carbamidomethyl (C)[8]		Mascot
1323.6222	1323.6151	-0.0071	-5	824	833	NNQRALECYR			Carbamidomethyl (C)[8]		Mascot
1357.6416	1357.6583	0.0167	12	1717	1728	TTHSPECQDVLK					Mascot
1365.6467	1365.5846	-0.0621	-45	1421	1432	GQWEKIDTASK					Mascot
1448.7743	1448.8604	0.0861	59	39	50	VVILYDEQGEKR					Mascot
1533.8271	1533.6139	-0.2132	-139	659	672	FLNETNKIADAVAK					Mascot
1707.9388	1707.6991	-0.2397	-140	899	913	ALHILELQEDRTAAK					Mascot
1851.9612	1851.8479	-0.1133	-61	1080	1096	THGGANAHKQVAYLWAK					Mascot
1868.0024	1867.8413	-0.1611	-86	1321	1337	FLSHDKAVDVSQIVGPR					Mascot
2050.9875	2051.0081	0.0206	10	1173	1189	EAVLMHVHNKDSNAQ			Oxidation (M)[5]		Mascot
2211.0508	2211.0151	-0.0357	-16	19	38	VTCTMAWAPNNKFAVCT					Mascot
2284.0671	2284.0823	0.0152	7	19	38	VTCTMAWAPNNKFAVCT			Carbamidomethyl (C)[3], Oxidation (M)[4]		Mascot

25 RecName: Full=Keratin, type I cytoskeletal 18; gi|148886613 48601.1 5.53 10 35 0
 AltName: Full=Cytokeratin-18; Short=CK-18; AltName:

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3643	-0.0352	-44	163	169	LAADDFR					Mascot
864.4461	864.4808	0.0347	40	387	394	LLDGGDFK					Mascot

	882.4753	882.5284	0.0531	60	260	266	YEKMALK										Mascot
	996.4996	996.5524	0.0528	53	172	179	YESELSIR										Mascot
	996.4996	996.5524	0.0528	53	172	179	YESELSIR										Mascot
	1045.4697	1045.5181	0.0484	46	124	132	GPDVHDYSR										Mascot
	1065.5575	1065.4639	-0.0936	-88	377	385	LEAEIATYR										Mascot
	1107.5906	1107.4929	-0.0977	-88	25	33	RTTNVPTYR										Mascot
	1307.6875	1307.6224	-0.0651	-50	407	418	VMTVTQTLVDGK						Oxidation (M)[2]				Mascot
	1340.6879	1340.6235	-0.0644	-48	375	385	MKLEAEIATYR						Oxidation (M)[1]				Mascot
	1434.6893	1434.707	0.0177	12	246	257	GQDLSQIMEEIR						Oxidation (M)[8]				Mascot
	1434.6893	1434.707	0.0177	12	246	257	GQDLSQIMEEIR						Oxidation (M)[8]				Mascot

26 protein-arginine deiminase type-2 [Danio rerio] gi|41056223 72843.2 5.62 11 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1062.579	1062.6423	0.0633	60	5	13	RSLTIDTEK					Mascot
1065.4604	1065.4639	0.0035	3	344	351	ICHEYMNR					Mascot
1165.7344	1165.6959	-0.0385	-33	223	231	YQLLKLFLK					Mascot
1165.7344	1165.6959	-0.0385	-33	223	231	YQLLKLFLK					Mascot
1234.6427	1234.6252	-0.0175	-14	213	222	TNTKTENLWK					Mascot
1277.7212	1277.6559	-0.0653	-51	480	491	VFKSLQNSGLGK					Mascot
1320.6729	1320.526	-0.1469	-111	32	43	CAPPQSKSFSIR					Mascot
1377.6943	1377.517	-0.1773	-129	32	43	CAPPQSKSFSIR			Carbamidomethyl (C)[1]		Mascot
1393.61	1393.6404	0.0304	22	344	354	ICHEYMNRGDR					Mascot
1448.6686	1448.8604	0.1918	132	551	562	VMEEKNEDSVPR			Oxidation (M)[2]		Mascot
1589.811	1589.7379	-0.0731	-46	636	647	EPFTVRWWNLEL					Mascot
1589.811	1589.7379	-0.0731	-46	636	647	EPFTVRWWNLEL					Mascot
1707.8887	1707.6991	-0.1896	-111	422	435	NMTKVVQDFLWAQK					Mascot
2233.1506	2232.9912	-0.1594	-71	194	212	LSMHISQSTSESVR			Oxidation (M)[3]		Mascot

27 RecName: Full=Intraflagellar transport protein 172 homolog gi|82232659 197655 5.61 18 34 0 8 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3818	807.3643	-0.0175	-22	1498	1503	MWSDLR					Mascot
882.4501	882.5284	0.0783	89	828	834	ALECYRK					Mascot

957.4896	957.3986	-0.091	-95	1	7	MLKYMK						Oxidation (M)[1]	Mascot
1051.5419	1051.6663	0.1244	118	1384	1391	LEEYVDKR							Mascot
1051.5419	1051.6663	0.1244	118	1384	1391	LEEYVDKR							Mascot
1165.6034	1165.5326	-0.0708	-61	1480	1488	MFQELVNL						Oxidation (M)[1]	Mascot
1165.6034	1165.6959	0.0925	79	1480	1488	MFQELVNL						Oxidation (M)[1]	Mascot
1165.6034	1165.6959	0.0925	79	1480	1488	MFQELVNL						Oxidation (M)[1]	Mascot
1193.6095	1193.5642	-0.0453	-38	1173	1182	EAVLMHVHNK						Oxidation (M)[5]	Mascot
1279.6537	1279.7172	0.0635	50	1310	1320	CWMKAAELA						Oxidation (M)[3]	Mascot
1302.6648	1302.6605	-0.0043	-3	565	576	GDIVDLERSNGK							Mascot
1320.6803	1320.526	-0.1543	-117	1310	1320	CWMKAAELA						Carbamidomethyl (C)[1]	Mascot
1323.6222	1323.6151	-0.0071	-5	824	833	NNQRALECYR	8	0				Carbamidomethyl (C)[8]	Mascot
1323.6222	1323.6151	-0.0071	-5	824	833	NNQRALECYR						Carbamidomethyl (C)[8]	Mascot
1357.6416	1357.6583	0.0167	12	1717	1728	TTHSPECQDVLK							Mascot
1365.6467	1365.5846	-0.0621	-45	1421	1432	GQWEKCIDTASK							Mascot
1448.7743	1448.8604	0.0861	59	39	50	VVILYDEQGEKR							Mascot
1533.8271	1533.6139	-0.2132	-139	659	672	FLNETNKIADAVAK							Mascot
1707.9388	1707.6991	-0.2397	-140	899	913	ALHILELQEDRTAAK							Mascot
1851.9612	1851.8479	-0.1133	-61	1080	1096	THGGANAHKQVAYLWAK							Mascot
1868.0024	1867.8413	-0.1611	-86	1321	1337	FLSHDKAVDVSQIVGPR							Mascot
2050.9875	2051.0081	0.0206	10	1173	1189	EAVLMHVHNKDWSNAQ						Oxidation (M)[5]	Mascot
2211.0508	2211.0151	-0.0357	-16	19	38	VTCEAWAPNNKFAVCT							Mascot
2284.0671	2284.0823	0.0152	7	19	38	VTCEAWAPNNKFAVCT						Carbamidomethyl (C)[3], Oxidation (M)[4]	Mascot

28 pre-B-cell leukemia transcription factor 2 [Danio rerio] gi|18859217 44196.6 6.32 7 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.41	850.5063	0.0963	113	85	91	HALNCHR					Mascot
864.4686	864.4808	0.0122	14	247	253	SRFLDAR					Mascot
1051.5782	1051.6663	0.0881	84	227	235	FSSIQTQLK					Mascot
1051.5782	1051.6663	0.0881	84	227	235	FSSIQTQLK					Mascot
1179.6732	1179.5477	-0.1255	-106	226	235	KFSSIQTQLK					Mascot
1179.6732	1179.5477	-0.1255	-106	226	235	KFSSIQTQLK	12	0			Mascot
1307.6447	1307.6224	-0.0223	-17	236	246	QSTCEAVMILR			Carbamidomethyl (C)[4]		Mascot
1323.6395	1323.6151	-0.0244	-18	236	246	QSTCEAVMILR			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot
1323.6395	1323.6151	-0.0244	-18	236	246	QSTCEAVMILR			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot

	1493.7563	1493.6685	-0.0878	-59	236	248	QSTCEAVMILRSR	3	0		Mascot
	1493.7563	1493.6685	-0.0878	-59	236	248	QSTCEAVMILRSR				Mascot
	2283.1836	2283.0889	-0.0947	-41	227	246	FSSIQTQLKQSTCEAVMI LR				Mascot
	2299.1785	2299.0923	-0.0862	-37	227	246	FSSIQTQLKQSTCEAVMI LR			Oxidation (M)[17]	Mascot
29	arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 3 [Danio rerio]					gi 131889644	94940.4	5.88	13	34	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
842.4478	842.4733	0.0255	30	494	501	KPGPNSSR				Mascot
1062.5135	1062.6423	0.1288	121	130	138	EDMEIAQVK				Mascot
1109.5078	1109.4427	-0.0651	-59	39	48	LCSGMIEAGR		Carbamidomethyl (C)[2], Oxidation (M)[5]		Mascot
1118.6245	1118.4618	-0.1627	-145	837	845	TWLIYTPPK				Mascot
1165.5453	1165.5326	-0.0127	-11	789	797	LARMNEEMR		Oxidation (M)[4]		Mascot
1165.5453	1165.6959	0.1506	129	789	797	LARMNEEMR		Oxidation (M)[4]		Mascot
1165.5453	1165.6959	0.1506	129	789	797	LARMNEEMR		Oxidation (M)[4]		Mascot
1179.6368	1179.5477	-0.0891	-76	664	673	ELDPNTLLHK				Mascot
1179.6368	1179.5477	-0.0891	-76	664	673	ELDPNTLLHK				Mascot
1279.5769	1279.7172	0.1403	110	521	532	MCGSEALLEGGR		Carbamidomethyl (C)[2]		Mascot
1448.6873	1448.8604	0.1731	119	317	328	LCSVKPCEDIER		Carbamidomethyl (C)[2]		Mascot
1493.8071	1493.6685	-0.1386	-93	664	676	ELDPNTLLHKASR				Mascot
1493.8071	1493.6685	-0.1386	-93	664	676	ELDPNTLLHKASR				Mascot
1638.8533	1638.7908	-0.0625	-38	56	69	LFVNGIRDLSHHCK				Mascot
1838.0535	1837.891	-0.1625	-88	166	181	HLALDYVLQINVLQAK				Mascot
2284.0664	2284.0823	0.0159	7	240	258	HATIQQRRLMQDFAYDD SK		Oxidation (M)[10]		Mascot
2300.1379	2300.0823	-0.0556	-24	259	278	VEFNVDAPNGVVMGYL FKR		Oxidation (M)[13]		Mascot

30	PREDICTED: TNF receptor-associated factor 2 isoform 1 [Danio rerio]					gi 125817024	60032.9	8.49	11	34	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
957.3917	957.3986	0.0069	7	43	49	YQCQCK		Carbamidomethyl (C)[3]		Mascot
1051.5275	1051.6663	0.1388	132	1	10	MISAAGTLCK		Carbamidomethyl (C)[9]		Mascot
1051.5275	1051.6663	0.1388	132	1	10	MISAAGTLCK		Carbamidomethyl (C)[9]		Mascot
1065.5323	1065.4639	-0.0684	-64	425	434	LYLNGDGTGR				Mascot

1118.5762	1118.4618	-0.1144	-102	33	42	EVLSVSMEPK					Mascot
1234.6613	1234.6252	-0.0361	-29	2	12	ISAAGTLCKWK	Carbamidomethyl (C)[8]				Mascot
1235.5837	1235.4767	-0.107	-87	213	222	FQEHTKSCAK	Carbamidomethyl (C)[8]				Mascot
1308.6803	1308.6052	-0.0751	-57	1	12	MISAAGTLCKWK					Mascot
1316.6991	1316.5031	-0.196	-149	461	471	VTLMLLDQNNR					Mascot
1365.7018	1365.5846	-0.1172	-86	1	12	MISAAGTLCKWK	Carbamidomethyl (C)[9]				Mascot
1397.6664	1397.6699	0.0035	3	43	53	YQCQQCKDILR					Mascot
1448.7488	1448.8604	0.1116	77	147	159	CEACQVLILLSEK					Mascot
1791.7975	1791.6489	-0.1486	-83	188	201	AHDEICQKFPMQCK	Carbamidomethyl (C)[6,13]				Mascot

31 small ubiquitin-related modifier 3 precursor [Danio rerio] gi|239048085 10690.3 5.34 5 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4131	864.4808	0.0677	78	1	7	MSEEEKPK			Oxidation (M)[1]		Mascot
1234.6426	1234.6252	-0.0174	-14	21	32	VAGQDGSVVQFK					Mascot
1277.6405	1277.6559	0.0154	12	1	11	MSEEEKPKEGVK			Oxidation (M)[1]		Mascot
1475.8217	1475.6886	-0.1331	-90	21	34	VAGQDGSVVQFKIK					Mascot
2299.1677	2299.0923	-0.0754	-33	12	32	TENDHINLKVAGQDGSV VQFK					Mascot

32 interleukin 4/13B [Danio rerio] gi|193788073 13301.7 8.6 5 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1051.5275	1051.6663	0.1388	132	55	64	TLCQAGMALK			Oxidation (M)[7]		Mascot
1051.5275	1051.6663	0.1388	132	55	64	TLCQAGMALK			Oxidation (M)[7]		Mascot
1179.6224	1179.5477	-0.0747	-63	54	64	KTLCQAGMALK			Oxidation (M)[8]		Mascot
1179.6224	1179.5477	-0.0747	-63	54	64	KTLCQAGMALK	7	0	Oxidation (M)[8]		Mascot
1277.6704	1277.6559	-0.0145	-11	55	66	TLCQAGMALKGK			Carbamidomethyl (C)[3]		Mascot
2299.269	2299.0923	-0.1767	-77	13	32	TDEILLMEIIQSVNRIK					Mascot
2300.0903	2300.0823	-0.008	-3	36	54	MDLDQFIPDIYETGHYSK K					Mascot

33 Zgc:111826 [Danio rerio] gi|63100816 53367.1 9.92 9 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4842	842.4733	-0.0109	-13	307	314	ASLNGPKR					Mascot

	1045.6	1045.5181	-0.0819	-78	208	217	KGNVSLTQAK										Mascot
	1062.5248	1062.6423	0.1175	111	474	481	ELEEMQRK										Mascot
	1277.6637	1277.6559	-0.0078	-6	422	431	HIREIFGYDK										Mascot
	1316.6705	1316.5031	-0.1674	-127	123	133	NGRFPRPSEEK										Mascot
	1365.5839	1365.5846	0.0007	1	462	472	MAVLEDEEEER					Oxidation (M)[1]					Mascot
	1589.7812	1589.7379	-0.0433	-27	318	333	GVSGSQINRMSSGPGR										Mascot
	1589.7812	1589.7379	-0.0433	-27	318	333	GVSGSQINRMSSGPGR										Mascot
	1851.8105	1851.8479	0.0374	20	436	450	DESDYALKFMESSWK					Oxidation (M)[10]					Mascot
	1868.0891	1867.8413	-0.2478	-133	375	392	ILVKPSGPALPPITSSYK										Mascot

34 PREDICTED: zinc finger protein 420 isoform 2 [Danio rerio] gi|326678086 70371 9.08 13 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.4733	-0.0473	-56	25	31	QRQGLLK					Mascot
864.4798	864.4808	0.001	1	591	597	HRSVHTK					Mascot
1045.536	1045.5181	-0.0179	-17	134	141	FHCARNLK			Carbamidomethyl (C)[3]		Mascot
1062.5149	1062.6423	0.1274	120	110	117	YNLNVHMR			Oxidation (M)[7]		Mascot
1107.6171	1107.4929	-0.1242	-112	469	477	RFAQHAHLK					Mascot
1118.4645	1118.4618	-0.0027	-2	348	356	GFVCFECEK			Carbamidomethyl (C)[4]		Mascot
1144.6143	1144.4624	-0.1519	-133	598	607	EKPPSCSLRK					Mascot
1323.5933	1323.6151	0.0218	16	155	164	CDHCSKTFIR			Carbamidomethyl (C)[1,4]		Mascot
1323.5933	1323.6151	0.0218	16	155	164	CDHCSKTFIR			Carbamidomethyl (C)[1,4]		Mascot
1393.5723	1393.6404	0.0681	49	32	43	DSEKMSDPEPCR					Mascot
1691.7516	1691.7314	-0.0202	-12	454	468	VHTNEKPYSCECGK					Mascot
1691.7516	1691.7314	-0.0202	-12	454	468	VHTNEKPYSCECGK					Mascot
1851.8477	1851.8479	0.0002	0	276	291	CSSHLNEHMIHTGEK			Oxidation (M)[9]		Mascot
2211.0798	2211.0151	-0.0647	-29	450	468	IHLRVHTNEKPYSCECGK					Mascot
2283.0579	2283.0889	0.031	14	227	245	HQMIHTGEKPYKCSHCDLR					Mascot
2299.053	2299.0923	0.0393	17	227	245	HQMIHTGEKPYKCSHCDLR			Oxidation (M)[3]		Mascot

35 MCM6 minichromosome maintenance deficient 6, like [Danio rerio] gi|70887711 93152.1 5.23 12 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	996.5261	996.5524	0.0263	26	194	201	FVDFQKGR						Mascot
	996.5261	996.5524	0.0263	26	194	201	FVDFQKGR						Mascot
	1165.6252	1165.5326	-0.0926	-79	747	755	SELINWYLK						Mascot
	1165.6252	1165.6959	0.0707	61	747	755	SELINWYLK						Mascot
	1165.6252	1165.6959	0.0707	61	747	755	SELINWYLK						Mascot
	1184.627	1184.5308	-0.0962	-81	202	211	IQETQAE LPR						Mascot
	1234.7228	1234.6252	-0.0976	-79	361	372	GILLMLFGGVAK			Oxidation (M)[5]			Mascot
	1277.6195	1277.6559	0.0364	28	321	330	NQMTVLEWEK						Mascot
	1357.8162	1357.6583	-0.1579	-116	119	130	ELSTVRIGTLR						Mascot
	1397.7495	1397.6699	-0.0796	-57	200	211	GRIQETQAE LPR						Mascot
	1475.7502	1475.6886	-0.0616	-42	90	102	HFARDHGNIPPSK						Mascot
	1691.8567	1691.7314	-0.1253	-74	509	523	SLKQNVNMSAPIMSR			Oxidation (M)[8]			Mascot
	1691.8567	1691.7314	-0.1253	-74	509	523	SLKQNVNMSAPIMSR			Oxidation (M)[8]			Mascot
	1707.8306	1707.6991	-0.1315	-77	168	182	YTQPTICKNPVCANR						Mascot
	1852.0175	1851.8479	-0.1696	-92	410	429	AVYTSGKASSAAGLTAAV VK						Mascot
	2211.1875	2211.0151	-0.1724	-78	361	381	GILLMLFGGVAKTTMEGT SLR			Oxidation (M)[5]			Mascot
36	keratin 18 [Danio rerio]				gi 29335504		41247.4	5.07	9	33	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3643	-0.0352	-44	91	97	LAADDFR					Mascot
864.4461	864.4808	0.0347	40	315	322	LLDGGDFK					Mascot
882.4753	882.5284	0.0531	60	188	194	YEKMALK					Mascot
996.4996	996.5524	0.0528	53	100	107	YESELSIR					Mascot
996.4996	996.5524	0.0528	53	100	107	YESELSIR					Mascot
1045.4697	1045.5181	0.0484	46	52	60	GPDVHDYSR					Mascot
1065.5575	1065.4639	-0.0936	-88	305	313	LEAEIATYR					Mascot
1307.6875	1307.6224	-0.0651	-50	335	346	VMTVTQTLVDGK			Oxidation (M)[2]		Mascot
1340.6879	1340.6235	-0.0644	-48	303	313	MKLEAEIATYR			Oxidation (M)[1]		Mascot
1434.6893	1434.707	0.0177	12	174	185	GQDLSQIMEEIR			Oxidation (M)[8]		Mascot
1434.6893	1434.707	0.0177	12	174	185	GQDLSQIMEEIR			Oxidation (M)[8]		Mascot

37 PREDICTED: inner centromere protein A [Danio rerio] gi|326680010 93462.3 9.45 12 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	864.3992	864.4808	0.0816	94	681	686	MEEQRR									Oxidation (M)[1]	Mascot
	1045.5272	1045.5181	-0.0091	-9	472	479	IEQENERK										Mascot
	1144.5602	1144.4624	-0.0978	-85	404	413	CLTSIAPHMR									Oxidation (M)[9]	Mascot
	1234.6348	1234.6252	-0.0096	-8	523	532	IEEKMAQLEK									Oxidation (M)[5]	Mascot
	1279.7004	1279.7172	0.0168	13	133	144	TAAPAEPEPIKR										Mascot
	1302.6284	1302.6605	0.0321	25	573	582	KQQQVEEEER										Mascot
	1365.7372	1365.5846	-0.1526	-112	131	143	NKTAAPAEPEPIK										Mascot
	1448.8108	1448.8604	0.0496	34	440	452	SFIKQSATKPDVK										Mascot
	1638.7566	1638.7908	0.0342	21	360	376	TSVTDDSGSGSIGDGR										Mascot
	1994.0232	1993.8905	-0.1327	-67	422	439	NQILMMTPGSLGRSTIMK									Oxidation (M)[5]	Mascot
	2233.1743	2232.9912	-0.1831	-82	724	744	STALNMTVDIENSVLKTP VGK									Oxidation (M)[6]	Mascot
	3312.4443	3312.1731	-0.2712	-82	777	806	GQKITVLVNPEDYGMDQ NSDDSTDDESAPR									Oxidation (M)[15]	Mascot
38	PREDICTED: protein NLRC3-like isoform 1 [Danio rerio]				gi 326680616	88386.6	8.34	12	32	0							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3643	-0.0352	-44	147	152	EFIENR					Mascot
1045.5272	1045.5181	-0.0091	-9	659	667	GLLTQQDDR					Mascot
1062.5803	1062.6423	0.062	58	502	509	FQIQQSRR					Mascot
1193.6484	1193.5642	-0.0842	-71	18	29	SGSRVSSSVSLK					Mascot
1234.7041	1234.6252	-0.0789	-64	672	681	EEIIAYIKQK					Mascot
1277.6484	1277.6559	0.0075	6	33	44	SKGGNLPNFSEK					Mascot
1308.7058	1308.6052	-0.1006	-77	124	133	FLKNQLENFR					Mascot
1323.6473	1323.6151	-0.0322	-24	751	760	FQRSDECLIR			Carbamidomethyl (C)[7]		Mascot
1323.6473	1323.6151	-0.0322	-24	751	760	FQRSDECLIR			Carbamidomethyl (C)[7]		Mascot
1434.6755	1434.707	0.0315	22	559	571	ASVYSGMCTQIFK					Mascot
1434.6755	1434.707	0.0315	22	559	571	ASVYSGMCTQIFK					Mascot
1867.9548	1867.8413	-0.1135	-61	536	550	QLERNNVIFYESDLK					Mascot
2211.2092	2211.0151	-0.1941	-88	153	171	SIITEAALDLTLFFLREMK					Mascot
3311.6812	3312.1731	0.4919	149	449	475	QSKSLFIMCHIPVFCWISV TVLQNMLK			Carbamidomethyl (C)[9,15], Oxidation (M)[8,25]		Mascot

39 LOC553337 protein [Danio rerio] gi|61403613 68948.5 6.78 7 32 0 16 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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			Seq.		Seq.	Score				
	864.3702	864.4808	0.1106	128	57	64	QTGQCPCCK			Mascot
	1045.5962	1045.5181	-0.0781	-75	209	217	DIAMILEK			Mascot
	1365.6361	1365.5846	-0.0515	-38	439	453	CGGRGCNGTVGASVK			Mascot
	1691.6689	1691.7314	0.0625	37	120	133	QCNECEAFHWGDPR			Mascot
	1691.6689	1691.7314	0.0625	37	120	133	QCNECEAFHWGDPR			Mascot
	1707.8547	1707.6991	-0.1556	-91	248	262	EGTFNLISQTVDDLK			Mascot
	2122.9458	2122.906	-0.0398	-19	343	361	CNASVYGPQSPVEQSQD		Carbamidomethyl (C)[1]	Mascot
	2123.1018	2122.906	-0.1958	-92	313	331	TR ELENYLTAGLAEQFANVL K	17	0	Mascot
40	hypothetical protein LOC100038791 [Danio rerio]				gi 147905023	50143.4	9.17	12	32	0

Peptide Information

Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1051.616	1051.6663	0.0503	48	302	309	IHLRFHTK					Mascot
	1051.616	1051.6663	0.0503	48	302	309	IHLRFHTK					Mascot
	1107.4688	1107.4929	0.0241	22	27	35	EELSEDEEK					Mascot
	1118.4645	1118.4618	-0.0027	-2	340	348	EFVCFECGK			Carbamidomethyl (C)[4]		Mascot
	1165.5959	1165.5326	-0.0633	-54	265	274	SFNQSSNLIR					Mascot
	1165.5959	1165.6959	0.1	86	265	274	SFNQSSNLIR					Mascot
	1165.5959	1165.6959	0.1	86	265	274	SFNQSSNLIR					Mascot
	1193.5844	1193.5642	-0.0202	-17	407	416	SFSRSTCLHR					Mascot
	1302.5388	1302.6605	0.1217	93	287	296	CDQCGKTFMR			Carbamidomethyl (C)[1,4]		Mascot
	1533.7162	1533.6139	-0.1023	-67	275	286	HMMIHTGERPHR			Oxidation (M)[2,3]		Mascot
	1589.7312	1589.7379	0.0067	4	321	333	SFTMKSHCQAHQK			Carbamidomethyl (C)[8]		Mascot
	1589.7312	1589.7379	0.0067	4	321	333	SFTMKSHCQAHQK			Carbamidomethyl (C)[8]		Mascot
	1596.8315	1596.7131	-0.1184	-74	218	230	KHQMIHTGEKPYK					Mascot
	1837.9014	1837.891	-0.0104	-6	129	143	QSYLHQHMLIHTGEK			Oxidation (M)[8]		Mascot
	2123.0161	2122.906	-0.1101	-52	107	125	IHERIHTGGSFLTCTYCG K					Mascot
	2123.0161	2122.906	-0.1101	-52	107	125	IHERIHTGGSFLTCTYCG K					Mascot
	2224.958	2225.0317	0.0737	33	275	292	HMMIHTGERPHRCQCG K			Carbamidomethyl (C)[13], Oxidation (M)[2,3]		Mascot
41	RecName: Full=Contactin-1a; AltName: Full=F3/F11/contactin; AltName: Full=Neural cell recognition m				gi 55976512	114263.1	6.25	13	32	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	957.5152	957.3986	-0.1166	-122	2	9 IPEAFQPR					Mascot
	1045.5173	1045.5181	0.0008	1	562	569 DAQHYQRK					Mascot
	1062.5513	1062.6423	0.091	86	442	449 VVFECRPR			Carbamidomethyl (C)[5]		Mascot
	1118.4572	1118.4618	0.0046	4	492	500 YTCFAENDR					Mascot
	1308.575	1308.6052	0.0302	23	898	910 ACNGAGYGPASQR			Carbamidomethyl (C)[2]		Mascot
	1365.6857	1365.5846	-0.1011	-74	503	516 ANSTGSL SITDATK					Mascot
	1434.7231	1434.707	-0.0161	-11	1	12 MIPEAFQPRAMK			Oxidation (M)[1]		Mascot
	1434.7231	1434.707	-0.0161	-11	1	12 MIPEAFQPRAMK			Oxidation (M)[1]		Mascot
	1691.6965	1691.7314	0.0349	21	487	500 SDEGKYTCFAENDR			Carbamidomethyl (C)[8]		Mascot
	1691.6965	1691.7314	0.0349	21	487	500 SDEGKYTCFAENDR			Carbamidomethyl (C)[8]		Mascot
	1707.7683	1707.6991	-0.0692	-41	138	151 VQFGYLD MFSTDER					Mascot
	2224.9749	2225.0317	0.0568	26	388	406 FSRLGFEDSGMYQCVAE NR			Oxidation (M)[11]		Mascot
	2283.092	2283.0889	-0.0031	-1	594	614 YSCTAQT PVDNTTASAE L VVR			Carbamidomethyl (C)[3]		Mascot
	2284.2131	2284.0823	-0.1308	-57	442	460 VVFECRPR AAPRPNITW SK			Carbamidomethyl (C)[5]		Mascot
	2299.1426	2299.0923	-0.0503	-22	986	1007 GEYLVEVRAHSEGGDGA VAQVR					Mascot

42 lft81 protein [Danio rerio] gi|145337899 29908.3 5.76 8 32 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	870.5519	870.5024	-0.0495	-57	200	206 VLRQQVK					Mascot
	1045.5636	1045.5181	-0.0455	-44	14	21 TEEILRER					Mascot
	1184.5173	1184.5308	0.0135	11	65	74 TLDDMSEMVK			Oxidation (M)[5]		Mascot
	1365.693	1365.5846	-0.1084	-79	51	62 VSAIKSELDEMK			Oxidation (M)[11]		Mascot
	1397.6399	1397.6699	0.03	21	63	74 GRTLDDMSEMVK			Oxidation (M)[7]		Mascot
	1448.6976	1448.8604	0.1628	112	135	146 TLREETAQEESR					Mascot
	2225.0879	2225.0317	-0.0562	-25	147	163 YHHINCEREIIESQIQR			Carbamidomethyl (C)[6]		Mascot
	2283.1914	2283.0889	-0.1025	-45	234	254 QCYLKAQSQAPIGHVIQD VGK					Mascot

43 PREDICTED: alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase-like [Danio rerio] gi|326677383 47738.9 6.78 8 32 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
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	850.4451	850.5063	0.0612	72	241	247	SMSELRK						Mascot
	1109.5474	1109.4427	-0.1047	-94	274	283	TETSGWLSTK						Mascot
	1118.551	1118.4618	-0.0892	-80	42	51	ESTHTAVMVK			Oxidation (M)[8]			Mascot
	1307.6525	1307.6224	-0.0301	-23	339	350	VIHTGDCGLHQQ						Mascot
	1323.5668	1323.6151	0.0483	36	351	361	TDCRPEMAQEK			Oxidation (M)[7]			Mascot
	1323.5668	1323.6151	0.0483	36	351	361	TDCRPEMAQEK			Oxidation (M)[7]			Mascot
	1837.9133	1837.891	-0.0223	-12	191	204	EASITQTKHHWWWK						Mascot
	1993.9318	1993.8905	-0.0413	-21	351	367	TDCRPEMAQEKVDSALK			Carbamidomethyl (C)[3], Oxidation (M)[7]			Mascot
	2282.9751	2283.0889	0.1138	50	32	51	DDSNMEETDKESTHTAV MVK			Oxidation (M)[5]			Mascot
	2298.97	2299.0923	0.1223	53	32	51	DDSNMEETDKESTHTAV MVK			Oxidation (M)[5,18]			Mascot
44	PREDICTED: hypothetical protein LOC100538026 [Danio rerio]				gi 326673594	14275.3	8.81	5	32	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1051.5275	1051.6663	0.1388	132	63	72	TLCQAGMALK			Oxidation (M)[7]		Mascot
1051.5275	1051.6663	0.1388	132	63	72	TLCQAGMALK			Oxidation (M)[7]		Mascot
1179.6224	1179.5477	-0.0747	-63	62	72	KTLCQAGMALK			Oxidation (M)[8]		Mascot
1179.6224	1179.5477	-0.0747	-63	62	72	KTLCQAGMALK	7	0	Oxidation (M)[8]		Mascot
1277.6704	1277.6559	-0.0145	-11	63	74	TLCQAGMALKGK			Carbamidomethyl (C)[3]		Mascot
2299.269	2299.0923	-0.1767	-77	21	40	TDEILLMEIIQSVNRILNGK					Mascot
2300.0903	2300.0823	-0.008	-3	44	62	MDLDQFIPDIYETGHYSK K					Mascot

45 Josephin-1 [Danio rerio] gi|115497592 26182.5 9.34 6 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1051.5908	1051.6663	0.0755	72	170	177	RQHWIGVR					Mascot
1051.5908	1051.6663	0.0755	72	170	177	RQHWIGVR					Mascot
1179.6732	1179.5477	-0.1255	-106	96	106	LSPSTLVTPHK					Mascot
1179.6732	1179.5477	-0.1255	-106	96	106	LSPSTLVTPHK					Mascot
1307.7682	1307.6224	-0.1458	-111	96	107	LSPSTLVTPHKK					Mascot
1357.6635	1357.6583	-0.0052	-4	178	189	EVAGVYYNLDISK					Mascot
2233.0818	2232.9912	-0.0906	-41	67	86	ELCALHALNNVFQDGAA FSR			Carbamidomethyl (C)[3]		Mascot
3312.5928	3312.1731	-0.4197	-127	108	136	NMLGNGNYDVNVIMAAL QTRGFEAVWWDK					Mascot

46 Zgc:161981 [Danio rerio] gi|134026282 48921.5 6.76 8 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1062.5037	1062.6423	0.1386	130	15	23	AAQHPMTYK			Oxidation (M)[6]		Mascot	
1165.6034	1165.5326	-0.0708	-61	1	10	MSLVDFLQGR					Mascot	
1165.6034	1165.6959	0.0925	79	1	10	MSLVDFLQGR					Mascot	
1165.6034	1165.6959	0.0925	79	1	10	MSLVDFLQGR					Mascot	
1193.6313	1193.5642	-0.0671	-56	219	227	WLDNYQVKV					Mascot	
1320.6001	1320.526	-0.0741	-56	61	70	QCLQDIDSWR			Carbamidomethyl (C)[2]		Mascot	
1365.6289	1365.5846	-0.0443	-32	115	126	AFSESICHCLQK					Mascot	
1493.7239	1493.6685	-0.0554	-37	114	126	KAFSESICHCLQK					Mascot	
1493.7239	1493.6685	-0.0554	-37	114	126	KAFSESICHCLQK					Mascot	
1638.8519	1638.7908	-0.0611	-37	1	14	MSLVDFLQGRSELK			Oxidation (M)[1]		Mascot	
2283.9646	2284.0823	0.1177	52	95	113	EMWTDPDSCSTQSLHDL FR			Oxidation (M)[2]		Mascot	

47 Ddx52 protein [Danio rerio] gi|45768538 56399.3 9.89 9 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
864.4573	864.4808	0.0235	27	154	161	LSEGVGFR					Mascot	
870.5407	870.5024	-0.0383	-44	134	141	ALIISPTR					Mascot	
1302.6835	1302.6605	-0.023	-18	100	112	REILACAPTGSQK					Mascot	
1340.7355	1340.6235	-0.112	-84	162	173	VHMINKGVEAVK			Oxidation (M)[3]		Mascot	
1397.6592	1397.6699	0.0107	8	431	443	AGCPVPDYMIGFK					Mascot	
2123.1616	2122.906	-0.2556	-120	113	130	TMAFCLPLLAHLRQPLNK			Carbamidomethyl (C)[5]		Mascot	
2123.1616	2122.906	-0.2556	-120	113	130	TMAFCLPLLAHLRQPLNK			Carbamidomethyl (C)[5]		Mascot	
2283.3223	2283.0889	-0.2334	-102	302	321	NLIKQGFLPPVLVVFQSID R					Mascot	
2384.188	2383.8601	-0.3279	-138	324	343	ELYHELVEGINVDVIHA DR					Mascot	
2501.2461	2501.1555	-0.0906	-36	79	100	AAGFQTPTPIQMCAVPL MMHKR			Oxidation (M)[12,18,19]		Mascot	

48 novel protein similar to vertebrate glycosyltransferase 25 domain containing 1 (GLT25D1) [Danio rerio] gi|157885917 69346.2 6.44 9 31 0 11 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
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	1062.55	1062.6423	0.0923	87	437	445	LNTIMEDVK										Mascot
	1118.5874	1118.4618	-0.1256	-112	176	185	TLVAPMLDSR						Oxidation (M)[6]				Mascot
	1193.6161	1193.5642	-0.0519	-43	387	396	DPYSDRVLTk										Mascot
	1234.646	1234.6252	-0.0208	-17	437	446	LNTIMEDVKR						Oxidation (M)[5]				Mascot
	1365.6857	1365.5846	-0.1011	-74	582	595	GGKTTTSVSESPK										Mascot
	1397.7688	1397.6699	-0.0989	-71	204	214	TPHYVPIRTWK										Mascot
	1851.921	1851.8479	-0.0731	-39	397	411	GEIGCFLSHYNIWKK						Carbamidomethyl (C)[5]				Mascot
	2123.0986	2122.906	-0.1926	-91	368	386	AMNSTQLRTLGIEMLPGF K	11		0			Oxidation (M)[2]				Mascot
	2123.0986	2122.906	-0.1926	-91	368	386	AMNSTQLRTLGIEMLPGF K						Oxidation (M)[2]				Mascot
	3311.7166	3312.1731	0.4565	138	311	338	METSQYLHIVSKPKDTMA FNQVYLINLK										Mascot
49	PREDICTED: EMILIN-2-like [Danio rerio]				gi 326664942		119160.6	5.89	13	31	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1062.583	1062.6423	0.0593	56	503	511	FLIQGLEDK					Mascot
1065.4807	1065.4639	-0.0168	-16	866	874	RDQSSSEDTK					Mascot
1118.6165	1118.4618	-0.1547	-138	1046	1056	TAGKLAVSESR					Mascot
1165.5823	1165.5326	-0.0497	-43	21	29	NWCAFIVQK			Carbamidomethyl (C)[3]		Mascot
1165.5823	1165.6959	0.1136	97	21	29	NWCAFIVQK			Carbamidomethyl (C)[3]		Mascot
1165.5823	1165.6959	0.1136	97	21	29	NWCAFIVQK			Carbamidomethyl (C)[3]		Mascot
1179.6117	1179.5477	-0.064	-54	130	138	ETVQYDLRR					Mascot
1179.6117	1179.5477	-0.064	-54	129	137	RETVQYDLR					Mascot
1235.6412	1235.4767	-0.1645	-133	1038	1049	GDTMALVRTAGK			Oxidation (M)[4]		Mascot
1589.7765	1589.7379	-0.0386	-24	673	688	VNTTGVAEGVSAVDDR					Mascot
1589.7765	1589.7379	-0.0386	-24	673	688	VNTTGVAEGVSAVDDR					Mascot
1837.8677	1837.891	0.0233	13	433	447	NAETYCFYVEEKLTK					Mascot
1993.9106	1993.8905	-0.0201	-10	574	590	MSPEKQFINAHMQDTGK			Oxidation (M)[1,12]		Mascot
2232.9583	2232.9912	0.0329	15	50	66	CPEHQPDCEPQMIYRTR			Carbamidomethyl (C)[1,8], Oxidation (M)[12]		Mascot
2283.0056	2283.0889	0.0833	36	427	444	MNVTERNAETYCFYVEE K			Carbamidomethyl (C)[12]		Mascot
2299.0005	2299.0923	0.0918	40	427	444	MNVTERNAETYCFYVEE K			Carbamidomethyl (C)[12], Oxidation (M)[1]		Mascot
2384.0215	2383.8601	-0.1614	-68	77	95	TVTELEWRCCPGYQGPD CR			Carbamidomethyl (C)[9,10,18]		Mascot

50 PREDICTED: ankyrin repeat domain-containing protein 46-like [Danio rerio] gi|292625777 25074.7 5.92 1 25 20.863

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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Seq.				Seq.				Score			
1434.7158	1434.707	-0.0088	-6	30	41	RLLESGFDPNMR		25	18.301		1 Mascot

Gel Idx/Pos	262/K14	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	glutathione peroxidase 4B [Danio rerio]	gi 194462986	19207.5	6.73	10	305	100	231	100

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1194.5209	1194.5731	0.0522	44	2	12	CAQASDWQSAK					Mascot
1280.6456	1280.5992	-0.0464	-36	70	80	ILGFPCNQFGK			Carbamidomethyl (C)[6]		Mascot
1280.6456	1280.5992	-0.0464	-36	70	80	ILGFPCNQFGK	34	88.826	Carbamidomethyl (C)[6]		Mascot
1290.6001	1290.559	-0.0411	-32	95	105	GYNAEFDLFSK	72	99.998			Mascot
1290.6001	1290.559	-0.0411	-32	95	105	GYNAEFDLFSK					Mascot
1324.6929	1324.6415	-0.0514	-39	34	45	GYVCIITNVASK			Carbamidomethyl (C)[4]		Mascot
1352.6039	1352.5568	-0.0471	-35	153	164	YGPMDDPVVVEK			Oxidation (M)[4]		Mascot
1435.7328	1435.6986	-0.0342	-24	106	118	IDVNGDAAHPLWK					Mascot
1562.7697	1562.7205	-0.0492	-31	81	94	QEPGSEAEIKEFAK					Mascot
1805.8625	1805.8018	-0.0607	-34	153	168	YGPMDDPVVVEKDLPK			Oxidation (M)[4]		Mascot
2037.011	2036.9403	-0.0707	-35	49	66	TPVNYTQLAAMHVTYAE K					Mascot
2053.0059	2052.9312	-0.0747	-36	49	66	TPVNYTQLAAMHVTYAE K			Oxidation (M)[11]		Mascot
2115.0127	2114.9412	-0.0715	-34	13	31	SIYEFSaididgndvsLEK	125	100			Mascot
2115.0127	2114.9412	-0.0715	-34	13	31	SIYEFSaididgndvsLEK					Mascot

2	phospholipid hydroperoxide glutathione peroxidase B [Danio rerio]	gi 29648610	19103.4	6.92	9	297	100	231	100
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Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1280.6456	1280.5992	-0.0464	-36	69	79	ILGFPCNQFGK			Carbamidomethyl (C)[6]		Mascot
1280.6456	1280.5992	-0.0464	-36	69	79	ILGFPCNQFGK	34	88.826	Carbamidomethyl (C)[6]		Mascot
1290.6001	1290.559	-0.0411	-32	94	104	GYNAEFDLFSK	72	99.998			Mascot
1290.6001	1290.559	-0.0411	-32	94	104	GYNAEFDLFSK					Mascot

	1324.6929	1324.6415	-0.0514	-39	33	44	GYVCIITNVASK				Carbamidomethyl (C)[4]	Mascot	
	1352.6039	1352.5568	-0.0471	-35	152	163	YGPMDDPSPVEK				Oxidation (M)[4]	Mascot	
	1435.7328	1435.6986	-0.0342	-24	105	117	IDVNGDAAHPLWK					Mascot	
	1562.7697	1562.7205	-0.0492	-31	80	93	QEPGSEAEIKEFAK					Mascot	
	1805.8625	1805.8018	-0.0607	-34	152	167	YGPMDDPSPVEKDLPK				Oxidation (M)[4]	Mascot	
	2037.011	2036.9403	-0.0707	-35	48	65	TPVNYTQLAAMHVTYAE K					Mascot	
	2053.0059	2052.9312	-0.0747	-36	48	65	TPVNYTQLAAMHVTYAE K				Oxidation (M)[11]	Mascot	
	2115.0127	2114.9412	-0.0715	-34	12	30	SIYEFSIDIDGNDVSLEK	125	100			Mascot	
	2115.0127	2114.9412	-0.0715	-34	12	30	SIYEFSIDIDGNDVSLEK					Mascot	
3	glutathione peroxidase 4b [Danio rerio]				gi 169646767		21523.7	8.65	9	292	100	231	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1280.6456	1280.5992	-0.0464	-36	91	101	ILGFPCNQFGK				Carbamidomethyl (C)[6]		Mascot
1280.6456	1280.5992	-0.0464	-36	91	101	ILGFPCNQFGK	34	88.826		Carbamidomethyl (C)[6]		Mascot
1290.6001	1290.559	-0.0411	-32	116	126	GYNAEFDLFSK	72	99.998				Mascot
1290.6001	1290.559	-0.0411	-32	116	126	GYNAEFDLFSK						Mascot
1324.6929	1324.6415	-0.0514	-39	55	66	GYVCIITNVASK				Carbamidomethyl (C)[4]		Mascot
1352.6039	1352.5568	-0.0471	-35	174	185	YGPMDDPDVVEK				Oxidation (M)[4]		Mascot
1435.7328	1435.6986	-0.0342	-24	127	139	IDVNGDAAHPLWK						Mascot
1562.7697	1562.7205	-0.0492	-31	102	115	QEPGSEAEIKEFAK						Mascot
1805.8625	1805.8018	-0.0607	-34	174	189	YGPMDDPDVVEKDLPK				Oxidation (M)[4]		Mascot
2037.011	2036.9403	-0.0707	-35	70	87	TPVNYTQLAAMHVTYAE K						Mascot
2053.0059	2052.9312	-0.0747	-36	70	87	TPVNYTQLAAMHVTYAE K				Oxidation (M)[11]		Mascot
2115.0127	2114.9412	-0.0715	-34	34	52	SIYEFSIDIDGNDVSLEK	125	100				Mascot
2115.0127	2114.9412	-0.0715	-34	34	52	SIYEFSIDIDGNDVSLEK						Mascot

4	Pfdn2 protein [Danio rerio]						gi 49522656	16921.6	6.89	8	251	100	200	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
810.3992	810.3729	-0.0263	-32	112	117	ELTEYR						Mascot
850.4529	850.5093	0.0564	66	118	123	ERYNIR						Mascot
941.5778	941.5463	-0.0315	-33	71	79	LVGGVLVER	76	100				Mascot
941.5778	941.5463	-0.0315	-33	71	79	LVGGVLVER						Mascot

	1003.5167	1003.5211	0.0044	4	131	140	QGKADASQAK										Mascot
	1023.4701	1023.4826	0.0125	12	1	11	AANSSNSTSGK										Mascot
	1648.8289	1648.7708	-0.0581	-35	16	30	QSTPSAEQVVATFQR		124	100							Mascot
	1648.8289	1648.7708	-0.0581	-35	16	30	QSTPSAEQVVATFQR										Mascot
	1711.9225	1711.8611	-0.0614	-36	83	97	EVLPALENNKEQISK										Mascot
	2189.0793	2188.9924	-0.0869	-40	42	60	AAEFEMEINEHSLVIDTLK										Mascot
	2205.0745	2205.0007	-0.0738	-33	42	60	AAEFEMEINEHSLVIDTLK					Oxidation (M)[6]					Mascot

5

prefoldin subunit 2 [Danio rerio]

gi|113674508

17052.6

6.63

8

249

100

200

100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
810.3992	810.3729	-0.0263	-32	113	118	ELTEYR						Mascot
850.4529	850.5093	0.0564	66	119	124	ERYNIR						Mascot
941.5778	941.5463	-0.0315	-33	72	80	LVGGVLVER	76	100				Mascot
941.5778	941.5463	-0.0315	-33	72	80	LVGGVLVER						Mascot
1003.5167	1003.5211	0.0044	4	132	141	QGKADASQAK						Mascot
1023.4701	1023.4826	0.0125	12	2	12	AANSSNSTSGK						Mascot
1648.8289	1648.7708	-0.0581	-35	17	31	QSTPSAEQVVATFQR	124	100				Mascot
1648.8289	1648.7708	-0.0581	-35	17	31	QSTPSAEQVVATFQR						Mascot
1711.9225	1711.8611	-0.0614	-36	84	98	EVLPALENNKEQISK						Mascot
2189.0793	2188.9924	-0.0869	-40	43	61	AAEFEMEINEHSLVIDTLK						Mascot
2205.0745	2205.0007	-0.0738	-33	43	61	AAEFEMEINEHSLVIDTLK				Oxidation (M)[6]		Mascot

6

Glutathione peroxidase 4b [Danio rerio]

gi|63100578

12842.5

7.82

7

156

100

106

100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1280.6456	1280.5992	-0.0464	-36	12	22	ILGFPCNQFGK				Carbamidomethyl (C)[6]		Mascot
1280.6456	1280.5992	-0.0464	-36	12	22	ILGFPCNQFGK	34	88.826		Carbamidomethyl (C)[6]		Mascot
1290.6001	1290.559	-0.0411	-32	37	47	GYNAEFDLFSK	72	99.998				Mascot
1290.6001	1290.559	-0.0411	-32	37	47	GYNAEFDLFSK						Mascot
1320.6729	1320.5408	-0.1321	-100	1	11	MHVTYAEKGLR				Oxidation (M)[1]		Mascot
1352.6039	1352.5568	-0.0471	-35	95	106	YGPMDDPDVVEK				Oxidation (M)[4]		Mascot
1435.7328	1435.6986	-0.0342	-24	48	60	IDVNGDAAHPLWK						Mascot
1562.7697	1562.7205	-0.0492	-31	23	36	QEPGSEAEIKEFAK						Mascot
1805.8625	1805.8018	-0.0607	-34	95	110	YGPMDDPDVVEKDLPK				Oxidation (M)[4]		Mascot

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
807.4359	807.3687	-0.0672	-83	1520	1526 QFVQSAK				Mascot
840.4131	840.4957	0.0826	98	1303	1310 TISMSSSK				Mascot
856.408	856.4949	0.0869	101	1303	1310 TISMSSSK			Oxidation (M)[4]	Mascot
860.4836	860.4314	-0.0522	-61	150	156 TLLRDDK				Mascot
1003.5054	1003.5211	0.0157	16	2506	2513 EKELEEAR				Mascot
1023.4411	1023.4826	0.0415	41	2441	2449 ADQDSQTMK				Mascot
1107.5906	1107.501	-0.0896	-81	2262	2270 QQLANYSKR				Mascot
1109.5442	1109.4574	-0.0868	-78	2206	2215 AVADMLRSCK			Oxidation (M)[5]	Mascot
1160.635	1160.4971	-0.1379	-119	307	316 TYGVSFFLVK				Mascot
1165.6576	1165.5482	-0.1094	-94	1615	1625 SLAVNPKDPPK				Mascot
1179.5422	1179.5624	0.0202	17	2441	2450 ADQDSQTMKR				Mascot
1179.5422	1179.5624	0.0202	17	2441	2450 ADQDSQTMKR	16	0		Mascot
1189.5232	1189.5941	0.0709	60	2002	2011 ENAETFADHR				Mascot
1194.5797	1194.5731	-0.0066	-6	469	478 QHITSGQMHR				Mascot
1234.5811	1234.639	0.0579	47	1541	1551 ALDGAFNQENR				Mascot
1234.5811	1234.639	0.0579	47	1541	1551 ALDGAFNQENR				Mascot
1280.5609	1280.5992	0.0383	30	285	295 NCQNMTEIAK				Mascot
1280.5609	1280.5992	0.0383	30	285	295 NCQNMTEIAK				Mascot
1307.8158	1307.6277	-0.1881	-144	2318	2328 LEQLKPRAKPK				Mascot
1320.7271	1320.5408	-0.1863	-141	424	434 KSTVLQQQFNK				Mascot
1352.6735	1352.5568	-0.1167	-86	107	118 IVSDMLMTICAR				Mascot
1475.7886	1475.7058	-0.0828	-56	859	872 LLADATARMVEAAK			Oxidation (M)[9]	Mascot
1493.7628	1493.6804	-0.0824	-55	1601	1614 AMLESSTGLIQTAR			Oxidation (M)[2]	Mascot
1562.7921	1562.7205	-0.0716	-46	1538	1551 SIKALDGAFNQENR				Mascot
1638.8077	1638.8032	-0.0045	-3	92	106 MLDGTVKTMVDDSK				Mascot
2115.075	2114.9412	-0.1338	-63	589	609 LLAALMEDEGGNGQQLL GAAK			Oxidation (M)[6]	Mascot
2115.075	2114.9412	-0.1338	-63	589	609 LLAALMEDEGGNGQQLL GAAK			Oxidation (M)[6]	Mascot
2211.1865	2211.0291	-0.1574	-71	2059	2080 LGAASLGSEDPETQVVLI NAVK				Mascot
2225.1846	2225.0422	-0.1424	-64	718	738 VVVAPTISSPVCQEQLIEA GK			Carbamidomethyl (C)[12]	Mascot
2225.1846	2225.0422	-0.1424	-64	718	738 VVVAPTISSPVCQEQLIEA GK			Carbamidomethyl (C)[12]	Mascot
2233.0952	2233.0029	-0.0923	-41	1337	1357 AVTDSINQLISMCTQQAP				Mascot

	2249.0901	2248.9861	-0.104	-46	1337	1357	GQK AVTDSINQLISMCTQQAP GQK					Oxidation (M)[12]	Mascot
8	replication factor C subunit 3 [Danio rerio]				gi 41393079		40301.9	8.81	12	56	87.458		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
810.4216	810.3729	-0.0487	-60	143	149	DAQHALR					Mascot
856.5363	856.4949	-0.0414	-48	271	277	LLEVRAR					Mascot
941.6029	941.5463	-0.0566	-60	106	113	VVIQELIK					Mascot
941.6029	941.5463	-0.0566	-60	106	113	VVIQELIK					Mascot
1179.6984	1179.5624	-0.136	-115	203	213	EGLLLPPELAK					Mascot
1179.6984	1179.5624	-0.136	-115	203	213	EGLLLPPELAK					Mascot
1194.5792	1194.5731	-0.0061	-5	225	234	KALLMCEACR			Carbamidomethyl (C)[6]		Mascot
1234.679	1234.639	-0.04	-32	58	68	ELYGAGVEKLR					Mascot
1234.679	1234.639	-0.04	-32	58	68	ELYGAGVEKLR	6	0			Mascot
1290.564	1290.559	-0.005	-4	151	160	TMEKYMATCR	1	0	Carbamidomethyl (C)[9]		Mascot
1290.564	1290.559	-0.005	-4	151	160	TMEKYMATCR			Carbamidomethyl (C)[9]		Mascot
1307.5435	1307.6277	0.0842	64	346	356	FMEDGLGNFMF					Mascot
1435.6384	1435.6986	0.0602	42	345	356	KFMEDGLGNFMF					Mascot
2115.0935	2114.9412	-0.1523	-72	184	202	VPLPSVEEVCSVLSGVCRK			Carbamidomethyl (C)[10,17]		Mascot
2115.0935	2114.9412	-0.1523	-72	184	202	VPLPSVEEVCSVLSGVCRK			Carbamidomethyl (C)[10,17]		Mascot
2189.1458	2188.9924	-0.1534	-70	276	293	ARLYELLTHCISPEVIMK			Carbamidomethyl (C)[10], Oxidation (M)[17]		Mascot
2300.1855	2300.1023	-0.0832	-36	28	49	NLVQCGDFPHLLVYGPSGAGKK					Mascot

9	alpha-tropomyosin [Danio rerio]				gi 55962545		28607.5	4.74	11	52	74.975		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4029	807.3687	-0.0342	-42	163	169	TVTNNMK					Mascot
810.3879	810.3729	-0.015	-19	185	190	YEEEEK					Mascot
840.4097	840.4957	0.086	102	178	184	YSAKEDK					Mascot
1107.5792	1107.501	-0.0782	-71	203	212	AEFAERSVAK					Mascot
1109.4891	1109.4574	-0.0317	-29	83	92	AADESERGMK			Oxidation (M)[9]		Mascot
1228.7008	1228.6366	-0.0642	-52	66	76	AQERLATALQK					Mascot
1308.6178	1308.615	-0.0028	-2	198	208	EAETRAEFAER					Mascot
1324.6743	1324.6415	-0.0328	-25	170	181	SLEAQAEKYSK					Mascot

	1475.7773	1475.7058	-0.0715	-48	105	116	MELQEIQLKEAK		Oxidation (M)[1]	Mascot
	1631.7983	1631.7461	-0.0522	-32	14	27	IRSLQEQAEDAESR			Mascot
	1631.7983	1631.7461	-0.0522	-32	14	27	IRSLQEQAEDAESR			Mascot
	1648.8098	1648.7708	-0.039	-24	101	113	DEEKMEIQLK		Oxidation (M)[5]	Mascot
	1648.8098	1648.7708	-0.039	-24	101	113	DEEKMEIQLK		Oxidation (M)[5]	Mascot

10 hypothetical protein LOC100124602 [Danio rerio] gi|156616350 28791.8 4.83 11 50 52.316

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
810.3879	810.3729	-0.015	-19	184	189	YEEEIK					Mascot
882.4791	882.5356	0.0565	64	33	39	ELAHERK					Mascot
1045.6	1045.5275	-0.0725	-69	2	11	AATSLEAVKR					Mascot
1107.5792	1107.501	-0.0782	-71	202	211	AEFAERSVAK					Mascot
1109.4891	1109.4574	-0.0317	-29	82	91	AADESERGMK			Oxidation (M)[9]		Mascot
1194.6729	1194.5731	-0.0998	-84	162	171	VLDQTYKSLK					Mascot
1228.7008	1228.6366	-0.0642	-52	65	75	AQERLATALQK					Mascot
1308.6178	1308.615	-0.0028	-2	197	207	EAETRAEFAER					Mascot
1316.6328	1316.4816	-0.1512	-115	15	26	LLQEQADGAEDK					Mascot
1475.7773	1475.7058	-0.0715	-48	104	115	MEIQEQLKEAK			Oxidation (M)[1]		Mascot
1648.8098	1648.7708	-0.039	-24	100	112	DEEKMEIQLK			Oxidation (M)[5]		Mascot
1648.8098	1648.7708	-0.039	-24	100	112	DEEKMEIQLK			Oxidation (M)[5]		Mascot

11 CAD protein [Danio rerio] gi|57770415 247044.1 6.19 24 48 31.076

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3817	807.3687	-0.013	-16	1769	1774	HMQFTK			Oxidation (M)[2]		Mascot
850.5145	850.5093	-0.0052	-6	751	757	FLRVSTK					Mascot
860.4471	860.4314	-0.0157	-18	231	237	ETVENIR					Mascot
870.4389	870.5094	0.0705	81	1307	1314	AMLSTGFK			Oxidation (M)[2]		Mascot
882.4315	882.5356	0.1041	118	2156	2162	ERFSSEK					Mascot
996.5948	996.5589	-0.0359	-36	1448	1456	QIGQAPRVK					Mascot
1003.553	1003.5211	-0.0319	-32	368	376	SGDLTVKQR					Mascot
1090.5211	1090.4939	-0.0272	-25	275	283	GHNQPCIHK			Carbamidomethyl (C)[6]		Mascot
1107.6409	1107.501	-0.1399	-126	1319	1328	NILLSIGSYK					Mascot
1165.5419	1165.5482	0.0063	5	1982	1992	TSSSFAAMHR					Mascot

12	Replication factor C (activator 1) 3 [Danio rerio]	gi156230598	40370	8.72	11	47	19.022
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
810.4216	810.3729	-0.0487	-60	143	149	DAQHALR					Mascot
856.5363	856.4949	-0.0414	-48	271	277	LLEVRAR					Mascot
941.6029	941.5463	-0.0566	-60	106	113	VVIQELIK					Mascot
941.6029	941.5463	-0.0566	-60	106	113	VVIQELIK					Mascot
1179.6984	1179.5624	-0.136	-115	203	213	EGLLLPPELAK					Mascot
1179.6984	1179.5624	-0.136	-115	203	213	EGLLLPPELAK					Mascot
1194.5792	1194.5731	-0.0061	-5	225	234	KALLMCEACR			Carbamidomethyl (C)[6]		Mascot
1234.679	1234.639	-0.04	-32	58	68	ELYGAGVEKLR					Mascot
1234.679	1234.639	-0.04	-32	58	68	ELYGAGVEKLR	6	0			Mascot
1290.564	1290.559	-0.005	-4	151	160	TMEKYMATCR	1	0	Carbamidomethyl (C)[9]		Mascot
1290.564	1290.559	-0.005	-4	151	160	TMEKYMATCR			Carbamidomethyl (C)[9]		Mascot
1307.7933	1307.6277	-0.1656	-127	202	213	KEGLLLPPELAK					Mascot
1493.6439	1493.6804	0.0365	24	345	356	KFMEDGLDNFMF					Mascot
2115.0935	2114.9412	-0.1523	-72	184	202	VPLPSVEEVCSVLGVC			Carbamidomethyl (C)[10,17]		Mascot

	2115.0935	2114.9412	-0.1523	-72	184	202	RK VPLPSVEEVCSVLGVC RK									Carbamidomethyl (C)[10,17]	Mascot
	2300.1855	2300.1023	-0.0832	-36	28	49	NLVQCGDFPHLLVYGPS GAGKK										Mascot
13	Pbx2 [Danio rerio]				gi 7861936		18895.6	9.08	7	47	15.205	9	0				

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1051.5782	1051.6774	0.0992	94	133	141	FSSIQTQLK						Mascot
	1179.6442	1179.5624	-0.0818	-69	1	10	ALFSLVCEIK				Carbamidomethyl (C)[7]		Mascot
	1179.6732	1179.5624	-0.1108	-94	132	141	KFSSIQTQLK	11		0			Mascot
	1307.6447	1307.6277	-0.017	-13	142	152	QSTCEAVMILR				Carbamidomethyl (C)[4]		Mascot
	1436.7817	1436.6782	-0.1035	-72	1	12	ALFSLVCEIKEK				Carbamidomethyl (C)[7]		Mascot
	1493.7563	1493.6804	-0.0759	-51	142	154	QSTCEAVMILRSR						Mascot
	2283.1836	2283.1038	-0.0798	-35	133	152	FSSIQTQLKQSTCEAVMI LR						Mascot
	2283.1836	2283.1038	-0.0798	-35	133	152	FSSIQTQLKQSTCEAVMI LR						Mascot

14 cytoplasmic FMR1-interacting protein 2 [Danio rerio] gi|148224828 145659 6.54 18 46 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	810.3926	810.3729	-0.0197	-24	725	730	FRAECK				Carbamidomethyl (C)[5]		Mascot
	860.3679	860.4314	0.0635	74	98	104	CNEQPNR						Mascot
	868.4345	868.5179	0.0834	96	136	142	FCSEVKR						Mascot
	882.4171	882.5356	0.1185	134	176	182	NMKCSVK				Carbamidomethyl (C)[4], Oxidation (M)[2]		Mascot
	941.4733	941.5463	0.073	78	142	148	RLCHAER	12		0	Carbamidomethyl (C)[3]		Mascot
	941.4733	941.5463	0.073	78	143	149	LCHAERR				Carbamidomethyl (C)[2]		Mascot
	1045.5524	1045.5275	-0.0249	-24	1188	1196	QDGKDEIHK						Mascot
	1107.4888	1107.501	0.0122	11	515	523	TICDWEGAR				Carbamidomethyl (C)[3]		Mascot
	1160.6456	1160.4971	-0.1485	-128	714	724	AMAGSVLLDKR						Mascot
	1194.5936	1194.5731	-0.0205	-17	466	475	MESVFNQAIR						Mascot
	1302.7273	1302.6318	-0.0955	-73	949	959	TLIEVMPKICR						Mascot
	1308.6001	1308.615	0.0149	11	179	189	CSVKNDHSAYK				Carbamidomethyl (C)[1]		Mascot
	1631.8925	1631.7461	-0.1464	-90	111	124	TVEVLEPEVTKLMK				Oxidation (M)[13]		Mascot
	1631.8925	1631.7461	-0.1464	-90	111	124	TVEVLEPEVTKLMK				Oxidation (M)[13]		Mascot
	2036.9819	2036.9403	-0.0416	-20	266	283	VMGFGLYLMGDNVSNIIY K				Oxidation (M)[2]		Mascot

2052.9768	2052.9312	-0.0456	-22	266	283	VMGFGLYLMDGNVSNYK	Oxidation (M)[2,9]	Mascot
2115.1306	2114.9412	-0.1894	-90	1210	1226	YQILNNEIFAILNKYMK		Mascot
2115.1306	2114.9412	-0.1894	-90	1210	1226	YQILNNEIFAILNKYMK		Mascot
2233.1572	2233.0029	-0.1543	-69	704	723	LADQIFAYYKAMAGSVLLDK	Oxidation (M)[12]	Mascot
2249.2395	2248.9861	-0.2534	-113	914	933	TICRLGQYQGIADVMEELLK		Mascot
2283.2205	2283.1038	-0.1167	-51	298	316	FFKLQVVPLFGDMQIELSR	Oxidation (M)[13]	Mascot
2283.2205	2283.1038	-0.1167	-51	298	316	FFKLQVVPLFGDMQIELSR	Oxidation (M)[13]	Mascot

15 PREDICTED: hypothetical protein LOC100002352 [Danio rerio] gi|326667104 28311.2 4.72 9 45 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
868.4159	868.5179	0.102	117	53	59	SREAYDK					Mascot
1023.4887	1023.4826	-0.0061	-6	47	54	LSEEMRSR			Oxidation (M)[5]		Mascot
1277.6704	1277.6654	-0.005	-4	179	189	LICEMARQIGK			Oxidation (M)[5]		Mascot
1320.5493	1320.5408	-0.0085	-6	167	178	DMNSHIGNACMK					Mascot
1352.5392	1352.5568	0.0176	13	167	178	DMNSHIGNACMK			Oxidation (M)[2,11]		Mascot
1436.662	1436.6782	0.0162	11	28	40	LCQECGLDAKGSR			Carbamidomethyl (C)[2]		Mascot
1475.7887	1475.7058	-0.0829	-56	41	52	TDLLRLSEEMR					Mascot
1493.6835	1493.6804	-0.0031	-2	28	40	LCQECGLDAKGSR			Carbamidomethyl (C)[2,5]		Mascot
2189.1311	2188.9924	-0.1387	-63	103	121	TACEPTLLNFLEPTKPWK					Mascot
2205.1484	2205.0007	-0.1477	-67	149	166	EGQVCLIREEFWSLGLLR			Carbamidomethyl (C)[5]		Mascot
2282.9807	2283.1038	0.1231	54	167	185	DMNSHIGNACMKLICEMAR			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]		Mascot
2282.9807	2283.1038	0.1231	54	167	185	DMNSHIGNACMKLICEMAR			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]		Mascot

16 PREDICTED: immunoglobulin-like and fibronectin type III domain-containing protein 1-like [Danio rerio] gi|326668817 134580.4 6.31 17 45 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3049	807.3687	0.0638	79	468	475	GDGADGCR			Carbamidomethyl (C)[7]		Mascot
860.4658	860.4314	-0.0344	-40	589	595	LVVQNCK			Carbamidomethyl (C)[6]		Mascot
1045.5823	1045.5275	-0.0548	-52	683	690	LQIKDCLR			Carbamidomethyl (C)[6]		Mascot
1107.5139	1107.501	-0.0129	-12	926	934	DPEDFMVVR					Mascot
1179.5641	1179.5624	-0.0017	-1	1187	1196	VRPEDSGEYK					Mascot

1179.5641	1179.5624	-0.0017	-1	1187	1196	VRPEDSGEYK							Mascot
1189.6761	1189.5941	-0.082	-69	196	204	WMLKQLNLK				Oxidation (M)[2]			Mascot
1234.6864	1234.639	-0.0474	-38	21	31	VPGVMITQYVK							Mascot
1234.6864	1234.639	-0.0474	-38	21	31	VPGVMITQYVK							Mascot
1302.6576	1302.6318	-0.0258	-20	984	995	YDSGCVYTIVAK							Mascot
1352.6692	1352.5568	-0.1124	-83	489	501	YGQGEDITVVS GK							Mascot
1434.7587	1434.7208	-0.0379	-26	845	857	DGGNKILGYQIEK							Mascot
1493.8145	1493.6804	-0.1341	-90	19	31	SRVPGVMITQYVK				Oxidation (M)[7]			Mascot
1648.7925	1648.7708	-0.0217	-13	76	89	NKGDTTDPEQYKPR							Mascot
1648.7925	1648.7708	-0.0217	-13	76	89	NKGDTTDPEQYKPR							Mascot
1711.738	1711.8611	0.1231	72	596	610	DSDAGLYHFEVNGCK				Carbamidomethyl (C)[14]			Mascot
2052.8674	2052.9312	0.0638	31	410	429	DGAGDGADDFARCLADE QAR							Mascot
2115.0176	2114.9412	-0.0764	-36	96	113	EHVLEMPNVQVNQADTY K							Mascot
2115.0176	2114.9412	-0.0764	-36	96	113	EHVLEMPNVQVNQADTY K							Mascot
2205.0525	2205.0007	-0.0518	-23	895	916	VIAINSSGAGEPSTPSEM VCAK				Carbamidomethyl (C)[20]			Mascot
2233.0527	2233.0029	-0.0498	-22	917	934	NPNMKPHFKDPEDFMVV R				Oxidation (M)[4, 15]			Mascot
17	PREDICTED: vacuolar protein sorting-associated protein 41 homolog [Danio rerio]			gi 125853163		99028.4	5.84	16	44	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4417	850.5093	0.0676	79	143	150	QFVTGGNK					Mascot
996.4744	996.5589	0.0845	85	409	417	GDYDTAARK					Mascot
1045.5272	1045.5275	0.0003	0	2	10	AEVEEQGRK					Mascot
1090.6044	1090.4939	-0.1105	-101	57	66	FLALGTHFGK					Mascot
1109.5911	1109.4574	-0.1337	-120	556	564	IVLLMDFDK			Oxidation (M)[5]		Mascot
1160.6093	1160.4971	-0.1122	-97	843	853	RGPGS GILEMK			Oxidation (M)[10]		Mascot
1234.5192	1234.639	0.1198	97	46	56	DAASCMTVHDK			Carbamidomethyl (C)[5]		Mascot
1234.5192	1234.639	0.1198	97	46	56	DAASCMTVHDK			Carbamidomethyl (C)[5]		Mascot
1280.7109	1280.5992	-0.1117	-87	536	545	HKDVYQLIHK					Mascot
1280.7109	1280.5992	-0.1117	-87	536	545	HKDVYQLIHK					Mascot
1290.6974	1290.559	-0.1384	-107	578	588	ISMDKVVEELK					Mascot
1290.6974	1290.559	-0.1384	-107	578	588	ISMDKVVEELK					Mascot
1316.6263	1316.4816	-0.1447	-110	247	257	DPTMRDLPSR					Mascot
1352.713	1352.5568	-0.1562	-115	554	564	DKIVLLMDFDK			Oxidation (M)[7]		Mascot

	1435.6311	1435.6986	0.0675	47	117	128	EGFHENFDCAPIK							Mascot
	2053.1804	2052.9312	-0.2492	-121	741	757	DSLVKILHDYNLQILLR							Mascot
	2249.0842	2248.9861	-0.0981	-44	46	66	DAASCMTVHDKFLALGT HFGK							Mascot
	2283.1292	2283.1038	-0.0254	-11	334	352	DYRLEHSEGESLFYIISPK							Mascot
	2283.1292	2283.1038	-0.0254	-11	334	352	DYRLEHSEGESLFYIISPK							Mascot
	2300.2583	2300.1023	-0.156	-68	452	470	GDLRLRPAIYEMILHDFLK							Mascot
18	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase [Danio rerio]					gi 58615305	246620.8	6.19	23	43	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3817	807.3687	-0.013	-16	1765	1770	HMQFTK			Oxidation (M)[2]		Mascot
850.5145	850.5093	-0.0052	-6	747	753	FLRVSTK					Mascot
860.4471	860.4314	-0.0157	-18	231	237	ETVENIR					Mascot
870.4389	870.5094	0.0705	81	1303	1310	AMLSTGFK			Oxidation (M)[2]		Mascot
882.4315	882.5356	0.1041	118	2152	2158	ERFSSEK					Mascot
996.5948	996.5589	-0.0359	-36	1444	1452	QIGQAPRVK					Mascot
1090.5211	1090.4939	-0.0272	-25	275	283	GHNQPCIHK			Carbamidomethyl (C)[6]		Mascot
1107.6409	1107.501	-0.1399	-126	1315	1324	NILLSIGSYK					Mascot
1165.5419	1165.5482	0.0063	5	1978	1988	TSSSFAAMHR					Mascot
1228.726	1228.6366	-0.0894	-73	1230	1241	TLGVDLVALATR					Mascot
1280.6732	1280.5992	-0.074	-58	2	13	ASLVLEDGTTFK					Mascot
1280.6732	1280.5992	-0.074	-58	2	13	ASLVLEDGTTFK					Mascot
1434.7019	1434.7208	0.0189	13	275	287	GHNQPCIHKGTSR					Mascot
1435.6191	1435.6986	0.0795	55	854	865	QDESAMPPEIMR			Oxidation (M)[6,11]		Mascot
1436.6549	1436.6782	0.0233	16	1966	1977	VMASMFYEVSTR			Oxidation (M)[2]		Mascot
1493.7958	1493.6804	-0.1154	-77	2	15	ASLVLEDGTTFKGR					Mascot
1562.8499	1562.7205	-0.1294	-83	1420	1433	MAIDFSVPLITDIK					Mascot
2037.1378	2036.9403	-0.1975	-97	1223	1241	SFPYVSKTLGVDLVALAT R					Mascot
2052.8677	2052.9312	0.0635	31	1360	1376	VMAVDWPFEESDCPNK			Carbamidomethyl (C)[14]		Mascot
2114.9707	2114.9412	-0.0295	-14	946	964	IGSSVEFDWCAVGCIMEL R					Mascot
2114.9707	2114.9412	-0.0295	-14	946	964	IGSSVEFDWCAVGCIMEL R					Mascot
2189.092	2188.9924	-0.0996	-45	1933	1950	QFSKEQMSHLFNAHTL R			Oxidation (M)[7]		Mascot
2297.1494	2297.0933	-0.0561	-24	373	392	LMEHLTFPGSPDPNAFV RPR			Oxidation (M)[2]		Mascot
2298.1045	2298.1064	0.0019	1	2159	2178	EYNACFGQFILTTPHIMTG AK			Carbamidomethyl (C)[5]		Mascot

	2300.0872	2300.1023	0.0151	7	946	965	IGSSVEFDWCAVGCIMEL RK					Carbamidomethyl (C)[10]	Mascot
19	PREDICTED: retrotransposable element Tf2 155 kDa protein type 1-like [Danio rerio]					gi 326669453	155185	9.76	18	43	0		

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
840.4362	840.4957	0.0595	71	820	826	HWLEGAK						Mascot
868.4709	868.5179	0.047	54	417	424	VPPPCLSR						Mascot
1090.5963	1090.4939	-0.1024	-94	1357	1367	SSRGTSGLVLR						Mascot
1107.6157	1107.501	-0.1147	-104	837	845	NLTYIREAK						Mascot
1160.6364	1160.4971	-0.1393	-120	966	973	FWWPRLQK						Mascot
1165.6801	1165.5482	-0.1319	-113	520	529	GLNHITIKNR						Mascot
1228.5667	1228.6366	0.0699	57	726	735	SFVWTEMANK				Oxidation (M)[7]		Mascot
1234.7126	1234.639	-0.0736	-60	1213	1223	RPGPTLRPGQR						Mascot
1234.7126	1234.639	-0.0736	-60	1213	1223	RPGPTLRPGQR						Mascot
1290.6742	1290.559	-0.1152	-89	695	704	FLGFANFYRR						Mascot
1290.7164	1290.559	-0.1574	-122	465	475	GRLYSLSIPER						Mascot
1308.696	1308.615	-0.081	-62	851	860	QARWALFFNR						Mascot
1434.7838	1434.7208	-0.063	-44	708	721	GFSSIAEPLTALT						Mascot
1562.8788	1562.7205	-0.1583	-101	708	722	GFSSIAEPLTALT						Mascot
1638.7717	1638.8032	0.0315	19	2	17	EVNPAGEASPPSNVDR						Mascot
1711.8333	1711.8611	0.0278	16	780	793	TDNKLHPCAYLSHR				Carbamidomethyl (C)[8]		Mascot
2115.0923	2114.9412	-0.1511	-71	820	836	HWLEGAKHPFLIWDHK						Mascot
2115.0923	2114.9412	-0.1511	-71	820	836	HWLEGAKHPFLIWDHK						Mascot
2249.2588	2248.9861	-0.2727	-121	1278	1297	LKPVVCSSFSPPSKPIPR				Carbamidomethyl (C)[6]		Mascot
2298.3472	2298.1064	-0.2408	-105	396	416	VIPKLKPLTFESPAPLPEP						Mascot

20	novel protein similar to vertebrate tropomyosin 4 (TPM4) (zgc:63909) [Danio rerio]					gi 94732583	23433.8	4.6	9	43	0	
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Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
810.3879	810.3729	-0.015	-19	141	146	YEEEEK						Mascot
850.3975	850.5093	0.1118	131	54	60	AMKDEEK						Mascot
1109.4891	1109.4574	-0.0317	-29	39	48	AADESERGMK				Oxidation (M)[9]		Mascot
1165.5592	1165.5482	-0.011	-9	61	69	MEIQEMQLK				Oxidation (M)[1]		Mascot

	1234.5732	1234.639	0.0658	53	99	109	AEERAEVAECK							Mascot
	1234.5732	1234.639	0.0658	53	99	109	AEERAEVAECK							Mascot
	1308.6178	1308.615	-0.0028	-2	154	164	EAETRAEFAER							Mascot
	1352.6943	1352.5568	-0.1375	-102	141	151	YEEEIKVLSDK							Mascot
	1434.7322	1434.7208	-0.0114	-8	172	184	SIDDLEEKLSSAK							Mascot
	1493.7338	1493.6804	-0.0534	-36	61	72	MEIQEMQLKEAK				Oxidation (M)[1]			Mascot
21	tropomyosin alpha-4 chain isoform 2 [Danio rerio]				gi 47085929		28484.4	4.63	10	43	0			
	Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	810.3879	810.3729	-0.015	-19	185	190	YEEEIK						Mascot	
	850.3975	850.5093	0.1118	131	98	104	AMKDEEK						Mascot	
	1109.4891	1109.4574	-0.0317	-29	83	92	AADESERGMK				Oxidation (M)[9]		Mascot	
	1165.5592	1165.5482	-0.011	-9	105	113	MEIQEMQLK				Oxidation (M)[1]		Mascot	
	1234.5732	1234.639	0.0658	53	143	153	AEERAEVAECK						Mascot	
	1234.5732	1234.639	0.0658	53	143	153	AEERAEVAECK						Mascot	
	1277.6882	1277.6654	-0.0228	-18	1	12	MTGVTSLDAVKR						Mascot	
	1308.6178	1308.615	-0.0028	-2	198	208	EAETRAEFAER						Mascot	
	1352.6943	1352.5568	-0.1375	-102	185	195	YEEEIKVLSDK						Mascot	
	1434.7322	1434.7208	-0.0114	-8	216	228	SIDDLEEKLSSAK						Mascot	
	1493.7338	1493.6804	-0.0534	-36	105	116	MEIQEMQLKEAK				Oxidation (M)[1]		Mascot	
22	PREDICTED: LOW QUALITY PROTEIN: ryanodine receptor 2 [Danio rerio]				gi 189530774		552356.6	5.83	39	42	0			
	Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	807.4359	807.3687	-0.0672	-83	4337	4342	YQVEIR						Mascot	
	840.4614	840.4957	0.0343	41	3510	3515	LEIYFR						Mascot	
	860.3719	860.4314	0.0595	69	4415	4420	NFYNMR				Oxidation (M)[5]		Mascot	
	996.5624	996.5589	-0.0035	-4	3510	3516	LEIYFRR						Mascot	
	1045.5459	1045.5275	-0.0184	-18	75	83	ALQEMLANR						Mascot	
	1051.5604	1051.6774	0.117	111	2440	2448	AAMVLFLDR				Oxidation (M)[3]		Mascot	
	1090.5714	1090.4939	-0.0775	-71	3549	3557	MAPLYNLPR				Oxidation (M)[1]		Mascot	
	1107.6132	1107.501	-0.1122	-101	3526	3533	MKRPVWYK						Mascot	
	1109.599	1109.4574	-0.1416	-128	4108	4116	QFIDVVNK						Mascot	
	1160.6091	1160.4971	-0.112	-97	1782	1792	EAVMVVGQGV				Oxidation (M)[4]		Mascot	

1165.567	1165.5482	-0.0188	-16	33	43	LCLAAEGFGER		Mascot
1179.6265	1179.5624	-0.0641	-54	2756	2765	CMLVLGWTIK	Oxidation (M)[2]	Mascot
1179.6265	1179.5624	-0.0641	-54	2756	2765	CMLVLGWTIK	Oxidation (M)[2]	Mascot
1228.6143	1228.6366	0.0223	18	314	324	ADVKTAFADR		Mascot
1277.6525	1277.6654	0.0129	10	893	903	IEQGWTYGPVK		Mascot
1280.7361	1280.5992	-0.1369	-107	98	108	TLLYGQAVLFR		Mascot
1280.7361	1280.5992	-0.1369	-107	98	108	TLLYGQAVLFR		Mascot
1302.7239	1302.6318	-0.0921	-71	908	918	KVHLCLVEFSK		Mascot
1307.6388	1307.6277	-0.0111	-8	2175	2184	FLCYFCRISR		Mascot
1320.6517	1320.5408	-0.1109	-84	2130	2139	VFYQHPLMR	Oxidation (M)[9]	Mascot
1324.6968	1324.6415	-0.0553	-42	1361	1371	DHSQEKPSRLK		Mascot
1357.6819	1357.6691	-0.0128	-9	1379	1390	KQELNTSHSSAR		Mascot
1436.8372	1436.6782	-0.159	-111	97	108	RTLLYGQAVLFR		Mascot
1562.764	1562.7205	-0.0435	-28	2162	2174	EIIFPKMVAHCCR	Oxidation (M)[7]	Mascot
1631.8057	1631.7461	-0.0596	-37	2313	2328	GEGANGLLATMEEAIR		Mascot
1631.8057	1631.7461	-0.0596	-37	2313	2328	GEGANGLLATMEEAIR		Mascot
1638.8268	1638.8032	-0.0236	-14	621	634	SNQHLCDTLLPER		Mascot
1648.7999	1648.7708	-0.0291	-18	4256	4270	DPTMVEAIGVQDAFR		Mascot
1648.7999	1648.7708	-0.0291	-18	4256	4270	DPTMVEAIGVQDAFR		Mascot
1707.886	1707.7107	-0.1753	-103	1572	1584	LCVQHLTHTRWTR	Carbamidomethyl (C)[2]	Mascot
1711.887	1711.8611	-0.0259	-15	2977	2991	EMVTSLFCKLGLAR	Carbamidomethyl (C)[8]	Mascot
1806.0272	1805.8018	-0.2254	-125	2449	2463	VYGVQDQQFVLRLLK		Mascot
2036.993	2036.9403	-0.0527	-26	828	843	LELCHELTRNHTETQR	Carbamidomethyl (C)[4]	Mascot
2052.8728	2052.9312	0.0584	28	1843	1861	TEETDELGESDGGAEK EK		Mascot
2189.0332	2188.9924	-0.0408	-19	2280	2298	FAVFCNGESVEENAYVV VR	Carbamidomethyl (C)[5]	Mascot
2205.0684	2205.0007	-0.0677	-31	4550	4567	MVINTPSYPSNYWDKFV K	Oxidation (M)[1]	Mascot
2211.1018	2211.0291	-0.0727	-33	601	620	NHKILDVLCSLCVCHGMA VR		Mascot
2229.8894	2230.1233	0.2339	105	4721	4737	CDDMLTCYMFHMYVGVR	Carbamidomethyl (C)[1,7], Oxidation (M)[4,9]	Mascot
2233.0884	2233.0029	-0.0855	-38	1898	1917	VEAVISFSGDFVGHQLQED QR		Mascot
2249.2024	2248.9861	-0.2163	-96	2517	2538	SGPVDELLQGVYLSKA SGLTK		Mascot
2283.2324	2283.1038	-0.1286	-56	3360	3378	LFSLVAEVFIFWAKSHNF K		Mascot
2283.2324	2283.1038	-0.1286	-56	3360	3378	LFSLVAEVFIFWAKSHNF K		Mascot
2284.0994	2284.0933	-0.0061	-3	3437	3458	KLLSVAMNGCCHGDQGL VSHAK	Oxidation (M)[7]	Mascot
2300.2068	2300.1023	-0.1045	-45	3106	3125	ILSSLYILGTCSGSFIERQ R	Carbamidomethyl (C)[11]	Mascot

23 Zgc:172007 protein [Danio rerio] gi|161611828 57368.6 8.44 16 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.4497	856.4949	0.0452	53	215	220	VFFCKR			Carbamidomethyl (C)[4]		Mascot
860.4117	860.4314	0.0197	23	285	291	QSMNVHK					Mascot
1023.5179	1023.4826	-0.0353	-34	221	229	CDISFPTLK					Mascot
1090.5284	1090.4939	-0.0345	-32	302	310	CPHCVKTFR					Mascot
1109.4966	1109.4574	-0.0392	-35	2	11	EVQVDVSCCK					Mascot
1179.619	1179.5624	-0.0566	-48	220	229	RCDISFPTLK					Mascot
1179.6844	1179.5624	-0.122	-103	200	209	LGNLLKHEQK					Mascot
1234.6613	1234.639	-0.0223	-18	182	191	QKPKTTFPCK			Carbamidomethyl (C)[9]		Mascot
1234.6613	1234.639	-0.0223	-18	182	191	QKPKTTFPCK			Carbamidomethyl (C)[9]		Mascot
1277.5548	1277.6654	0.1106	87	354	363	MHQLQCCKR			Oxidation (M)[1]		Mascot
1307.587	1307.6277	0.0407	31	242	251	KEFHCELCGK			Carbamidomethyl (C)[5,8]		Mascot
1308.6616	1308.615	-0.0466	-36	221	231	CDISFPTLKER					Mascot
1435.7362	1435.6986	-0.0376	-26	252	264	VSFSSGNLKTTHMK					Mascot
1436.5933	1436.6782	0.0849	59	269	279	EKPFFHCSECDK			Carbamidomethyl (C)[6,9]		Mascot
2036.8953	2036.9403	0.045	22	269	284	EKPFFHCSECDKHFSK			Carbamidomethyl (C)[6,9]		Mascot
2114.9382	2114.9412	0.003	1	321	338	SHASERPYQCSECGKTFK			Carbamidomethyl (C)[10]		Mascot
2114.9382	2114.9412	0.003	1	321	338	SHASERPYQCSECGKTFK			Carbamidomethyl (C)[10]		Mascot
2205.0188	2205.0007	-0.0181	-8	404	421	VHTGERPYHCSVCGRSFR			Carbamidomethyl (C)[10,13]		Mascot

24 protein tyrosine phosphatase, receptor type, N polypeptide 2 [Danio rerio] gi|126540834 32113.7 10.05 8 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.473	842.4818	0.0088	10	119	125	ELSQLPR					Mascot
860.4584	860.4314	-0.027	-31	147	154	AQKEAASR					Mascot
1051.6371	1051.6774	0.0403	38	95	103	SVLQKLAHR					Mascot
1160.5115	1160.4971	-0.0144	-12	29	38	FGCLFEDVCK					Mascot
1316.6125	1316.4816	-0.1309	-99	28	38	RFGCLFEDVCK					Mascot
1435.725	1435.6986	-0.0264	-18	39	50	LNEVCINGELFK			Carbamidomethyl (C)[5]		Mascot
2225.135	2225.0422	-0.0928	-42	159	178	FLQGFLPSDVSSFKQSPQGR					Mascot
2225.135	2225.0422	-0.0928	-42	159	178	FLQGFLPSDVSSFKQSP					Mascot

2297.1707

2297.0933

-0.0774

-34

55

QGR

ITTLTSTTHREYAVFGQC

LR

74

Mascot

25

PREDICTED: hypothetical protein LOC100007834 [Danio rerio]

gi|326666867

44783.5

5.16

10

40

0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
868.4159	868.5179	0.102	117	195	201	SREAYDK					Mascot
1003.4989	1003.5211	0.0222	22	20	28	SMVHTAVSR				Oxidation (M)[2]	Mascot
1023.4887	1023.4826	-0.0061	-6	189	196	LSEEMRSR				Oxidation (M)[5]	Mascot
1277.6704	1277.6654	-0.005	-4	324	334	IICEMARQIGK				Oxidation (M)[5]	Mascot
1290.6899	1290.559	-0.1309	-101	146	156	TEITVSEDRLK					Mascot
1290.6899	1290.559	-0.1309	-101	146	156	TEITVSEDRLK					Mascot
1324.7623	1324.6415	-0.1208	-91	206	218	IWAASGPLTALPK					Mascot
1436.662	1436.6782	0.0162	11	170	182	LCQECGLDAKGSR				Carbamidomethyl (C)[2]	Mascot
1475.7887	1475.7058	-0.0829	-56	183	194	TDLLRLSEEMR					Mascot
1493.6835	1493.6804	-0.0031	-2	170	182	LCQECGLDAKGSR				Carbamidomethyl (C)[2,5]	Mascot
2205.1484	2205.0007	-0.1477	-67	294	311	EGQVCLIREEFWSLGLLR				Carbamidomethyl (C)[5]	Mascot
2210.9482	2211.0291	0.0809	37	312	330	DMDSHIGNACMKIICEMAR				Carbamidomethyl (C)[10], Oxidation (M)[2]	Mascot
2283.9646	2284.0933	0.1287	56	312	330	DMDSHIGNACMKIICEMAR				Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]	Mascot
2299.9597	2300.1023	0.1426	62	312	330	DMDSHIGNACMKIICEMAR				Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]	Mascot

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RecName: Full=Intraflagellar transport protein 172 homolog

gi|82232659

197655

5.61

21

40

0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
807.3818	807.3687	-0.0131	-16	1498	1503	MWSDLR					Mascot
810.4542	810.3729	-0.0813	-100	2	7	QLKYMK					Mascot
840.4032	840.4957	0.0925	110	1060	1066	AAVNMYR				Oxidation (M)[5]	Mascot
860.4406	860.4314	-0.0092	-11	1698	1705	RPGMAANK				Oxidation (M)[4]	Mascot
868.4232	868.5179	0.0947	109	1291	1297	AVDCYLK				Carbamidomethyl (C)[4]	Mascot
882.4501	882.5356	0.0855	97	828	834	ALECYRK					Mascot
941.4947	941.5463	0.0516	55	1	7	MQLKYMK					Mascot
941.4947	941.5463	0.0516	55	1	7	MQLKYMK					Mascot
1023.5469	1023.4826	-0.0643	-63	1563	1571	HTELIPADK					Mascot

1051.5419	1051.6774	0.1355	129	1384	1391	LEEYVDKR						Mascot
1165.6034	1165.5482	-0.0552	-47	1480	1488	MFQELVNLR			Oxidation (M)[1]			Mascot
1302.6648	1302.6318	-0.033	-25	565	576	GDIVDLERSNGK						Mascot
1320.6803	1320.5408	-0.1395	-106	1310	1320	CWMKAAELAIAK			Carbamidomethyl (C)[1]			Mascot
1352.7208	1352.5568	-0.164	-121	53	64	FTTKPADPKYGG						Mascot
1357.6416	1357.6691	0.0275	20	1717	1728	TTHSPECQDVLLK						Mascot
1436.7314	1436.6782	-0.0532	-37	1480	1490	MFQELVNLRDR			Oxidation (M)[1]			Mascot
1648.8945	1648.7708	-0.1237	-75	282	295	EIPNLYTITALSWK						Mascot
1648.8945	1648.7708	-0.1237	-75	282	295	EIPNLYTITALSWK						Mascot
1707.9388	1707.7107	-0.2281	-134	899	913	ALHILELQEDRTAAK						Mascot
1806.0483	1805.8018	-0.2465	-136	1556	1571	LSISLLRHTELIPADK						Mascot
2188.9968	2188.9924	-0.0044	-2	301	319	LSVGTLCGGVEMFDCCCLRR			Carbamidomethyl (C)[7,15], Oxidation (M)[12]			Mascot
2211.0508	2211.0291	-0.0217	-10	19	38	VTCMAWAPNNAKFAVCTIDR						Mascot
2230.0234	2230.1233	0.0999	45	301	319	LSVGTLCGGVEMFDCCCLRR			Carbamidomethyl (C)[7,15,16]			Mascot
2284.0671	2284.0933	0.0262	11	19	38	VTCMAWAPNNAKFAVCTIDR			Carbamidomethyl (C)[3], Oxidation (M)[4]			Mascot
3337.3862	3337.6648	0.2786	83	1263	1290	EYESEGNWGVEGMIEQAQEWEQTGEYSR			Oxidation (M)[13]			Mascot
27	PREDICTED: myosin-I α [Danio rerio]			gi 326669927		125852	9.11	16	39	0		

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
840.4474	840.4957	0.0483	57	617	623	AGFAYRR					Mascot
856.4886	856.4949	0.0063	7	798	805	GPEKGQIK					Mascot
870.4138	870.5094	0.0956	110	710	715	KYEQMR			Oxidation (M)[5]		Mascot
941.5778	941.5463	-0.0315	-33	778	785	RDLILSPK					Mascot
941.5778	941.5463	-0.0315	-33	778	785	RDLILSPK					Mascot
1023.4965	1023.4826	-0.0139	-14	160	168	NNSSRFGK					Mascot
1051.524	1051.6774	0.1534	146	323	331	IMDSKWAGK			Oxidation (M)[2]		Mascot
1107.535	1107.501	-0.034	-31	471	480	DGADMTLLQK			Oxidation (M)[5]		Mascot
1189.575	1189.5941	0.0191	16	5	13	YHWQSQNVK					Mascot
1280.7031	1280.5992	-0.1039	-81	847	856	TEFLTLLCKR			Carbamidomethyl (C)[8]		Mascot
1280.7031	1280.5992	-0.1039	-81	847	856	TEFLTLLCKR			Carbamidomethyl (C)[8]		Mascot
1302.5782	1302.6318	0.0536	41	507	517	VSYDINGFCER					Mascot
1307.6511	1307.6277	-0.0234	-18	14	25	QSGVDDMVLLSK			Oxidation (M)[7]		Mascot
1320.7383	1320.5408	-0.1975	-150	645	656	GAEQQGVHLHLLR					Mascot
1493.7305	1493.6804	-0.0501	-34	676	687	NPESLFLLEEMR			Oxidation (M)[11]		Mascot

	1562.7882	1562.7205	-0.0677	-43	120	134	YIMGYISKVSGGGSK				Oxidation (M)[3]	Mascot
	2036.9818	2036.9403	-0.0415	-20	954	971	GGGQQQQQKEVTYSMP VR				Oxidation (M)[15]	Mascot
	3337.5933	3337.6648	0.0715	21	819	846	SVSLSTRQDDFFILHETE YDSSLLESMFK					Mascot

28 carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase [Danio rerio] gi|56207582 238582.8 6.21 22 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3817	807.3687	-0.013	-16	1721	1726	HMQFTK			Oxidation (M)[2]		Mascot
850.5145	850.5093	-0.0052	-6	751	757	FLRVSTK					Mascot
860.4471	860.4314	-0.0157	-18	235	241	ETVENIR					Mascot
870.4389	870.5094	0.0705	81	1307	1314	AMLSTGFK			Oxidation (M)[2]		Mascot
882.4315	882.5356	0.1041	118	2108	2114	ERFSSEK					Mascot
996.5948	996.5589	-0.0359	-36	1448	1456	QIGQAPRVK					Mascot
1090.5211	1090.4939	-0.0272	-25	279	287	GHNQPCIHK			Carbamidomethyl (C)[6]		Mascot
1107.6409	1107.501	-0.1399	-126	1319	1328	NILLSIGSYK					Mascot
1165.5419	1165.5482	0.0063	5	1934	1944	TSSSFAAMHR					Mascot
1228.726	1228.6366	-0.0894	-73	1234	1245	TLGVDLVALATR					Mascot
1302.6583	1302.6318	-0.0265	-20	2125	2136	SSGCLLPAGRER			Carbamidomethyl (C)[4]		Mascot
1434.7019	1434.7208	0.0189	13	279	291	GHNQPCIHKGTSR					Mascot
1435.6191	1435.6986	0.0795	55	858	869	QDESAMPPEIMR			Oxidation (M)[6,11]		Mascot
1436.6549	1436.6782	0.0233	16	1922	1933	VMASMFYEVSTR			Oxidation (M)[2]		Mascot
1562.8499	1562.7205	-0.1294	-83	1424	1437	MAIDFSVPLITDIK					Mascot
2037.1378	2036.9403	-0.1975	-97	1227	1245	SFPYVSKTLGVDLVALAT R					Mascot
2052.8677	2052.9312	0.0635	31	1364	1380	VMAVDWPFEEESDCPNK			Carbamidomethyl (C)[14]		Mascot
2114.9707	2114.9412	-0.0295	-14	950	968	IGSSVEFDWCAVGCIMEL R					Mascot
2114.9707	2114.9412	-0.0295	-14	950	968	IGSSVEFDWCAVGCIMEL R					Mascot
2189.092	2188.9924	-0.0996	-45	1889	1906	QFSKEQMSHLFNVHTL R			Oxidation (M)[7]		Mascot
2297.1494	2297.0933	-0.0561	-24	377	396	LMEHLTFPGSPDPNAFV RPR			Oxidation (M)[2]		Mascot
2298.1846	2298.1064	-0.0782	-34	1893	1911	EQMSHLFNVHTLRLMV QK			Oxidation (M)[3]		Mascot
2300.0872	2300.1023	0.0151	7	950	969	IGSSVEFDWCAVGCIMEL RK			Carbamidomethyl (C)[10]		Mascot

29 novel protein similar to MCM6 minichromosome maintenance deficient 6, mitotin (S. cerevisiae) (mcm6 gi|169158286 93177.2 5.26 13 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.49	856.4949	0.0049	6	87	93	AVRHFAR					Mascot
868.4233	868.5179	0.0946	109	185	191	FMLDTNK					Mascot
1165.6252	1165.5482	-0.077	-66	747	755	SELINWYLK					Mascot
1234.7228	1234.639	-0.0838	-68	361	372	GILLMLFGGVAK			Oxidation (M)[5]		Mascot
1234.7228	1234.639	-0.0838	-68	361	372	GILLMLFGGVAK			Oxidation (M)[5]		Mascot
1277.6195	1277.6654	0.0459	36	321	330	NQMTVLEWEK					Mascot
1280.6932	1280.5992	-0.094	-73	80	89	VYPFLCRAVR			Carbamidomethyl (C)[6]		Mascot
1280.6932	1280.5992	-0.094	-73	80	89	VYPFLCRAVR			Carbamidomethyl (C)[6]		Mascot
1357.8162	1357.6691	-0.1471	-108	119	130	ELSTVRIGTLLR					Mascot
1475.7502	1475.7058	-0.0444	-30	90	102	HFARDHGNIPPSK					Mascot
1648.854	1648.7708	-0.0832	-50	264	279	VTGKEGFEADGIQGLK					Mascot
1648.854	1648.7708	-0.0832	-50	264	279	VTGKEGFEADGIQGLK					Mascot
1707.8306	1707.7107	-0.1199	-70	168	182	YTQPTICKNPVCANR					Mascot
2053.002	2052.9312	-0.0708	-34	1	19	MEPGVEAAGVHVRDELS EK					Mascot
2211.1875	2211.0291	-0.1584	-72	361	381	GILLMLFGGVAKTTMEGT SLR			Oxidation (M)[5]		Mascot
2297.1812	2297.0933	-0.0879	-38	575	593	QFQPKITVEAQEFVVDQY K					Mascot

30 MCM6 minichromosome maintenance deficient 6, like [Danio rerio] gi|70887711 93152.1 5.23 13 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.49	856.4949	0.0049	6	87	93	AVRHFAR					Mascot
868.4233	868.5179	0.0946	109	185	191	FMLDTNK					Mascot
996.5261	996.5589	0.0328	33	194	201	FVDFQKGR					Mascot
1165.6252	1165.5482	-0.077	-66	747	755	SELINWYLK					Mascot
1234.7228	1234.639	-0.0838	-68	361	372	GILLMLFGGVAK			Oxidation (M)[5]		Mascot
1234.7228	1234.639	-0.0838	-68	361	372	GILLMLFGGVAK			Oxidation (M)[5]		Mascot
1277.6195	1277.6654	0.0459	36	321	330	NQMTVLEWEK					Mascot
1280.6932	1280.5992	-0.094	-73	80	89	VYPFLCRAVR			Carbamidomethyl (C)[6]		Mascot
1280.6932	1280.5992	-0.094	-73	80	89	VYPFLCRAVR			Carbamidomethyl (C)[6]		Mascot
1357.8162	1357.6691	-0.1471	-108	119	130	ELSTVRIGTLLR					Mascot
1475.7502	1475.7058	-0.0444	-30	90	102	HFARDHGNIPPSK					Mascot
1707.8306	1707.7107	-0.1199	-70	168	182	YTQPTICKNPVCANR					Mascot

	2053.002	2052.9312	-0.0708	-34	1	19	MEPGVEAAGVHVRDELS EK										Mascot
	2211.1875	2211.0291	-0.1584	-72	361	381	GILLMLFGGVAKTTMEGT SLR						Oxidation (M)[5]				Mascot
	2297.1812	2297.0933	-0.0879	-38	575	593	QFQPKITVEAQEFVVDQY K										Mascot
31	RAS guanyl-releasing protein 1 [Danio rerio]				gi 113678177		77834.7	7.57	12	37	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4882	842.4818	-0.0064	-8	271	277	FIHVAQK					Mascot
1003.5319	1003.5211	-0.0108	-11	224	232	SYVVHGSR					Mascot
1090.4873	1090.4939	0.0066	6	336	344	VYSECTGFK			Carbamidomethyl (C)[5]		Mascot
1165.5703	1165.5482	-0.0221	-19	580	589	DVVGMECLKR			Oxidation (M)[5]		Mascot
1189.567	1189.5941	0.0271	23	335	344	RVYSECTGFK					Mascot
1357.5558	1357.6691	0.1133	83	569	579	DCGVNCHKHCK			Carbamidomethyl (C)[2,6]		Mascot
1434.6538	1434.7208	0.067	47	577	588	HCKDVVGMECLK			Carbamidomethyl (C)[2], Oxidation (M)[8]		Mascot
1435.6781	1435.6986	0.0205	14	32	43	RMTCPSAQEISR			Carbamidomethyl (C)[4]		Mascot
1436.7454	1436.6782	-0.0672	-47	103	114	LLSLYKDCPAEK			Carbamidomethyl (C)[8]		Mascot
1475.6803	1475.7058	0.0255	17	577	588	HCKDVVGMECLK			Carbamidomethyl (C)[2,10]		Mascot
1648.6777	1648.7708	0.0931	56	563	576	QGYHCKDCGVNCHK			Carbamidomethyl (C)[5]		Mascot
1648.6777	1648.7708	0.0931	56	563	576	QGYHCKDCGVNCHK			Carbamidomethyl (C)[5]		Mascot
2115.1182	2114.9412	-0.177	-84	119	134	RPQICHFIRQWISQFR					Mascot
2115.1182	2114.9412	-0.177	-84	119	134	RPQICHFIRQWISQFR					Mascot
2284.2812	2284.0933	-0.1879	-82	433	454	IQPVAPVKPPVVAEWGS GVTPR					Mascot

32 GMP synthase [Danio rerio] gi|254588106 76886.8 6.55 12 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3665	807.3687	0.0022	3	2	9	ALCNGDSK					Mascot
810.3596	810.3729	0.0133	16	222	227	QMSCRI			Carbamidomethyl (C)[4], Oxidation (M)[2]		Mascot
842.4301	842.4818	0.0517	61	552	558	ICHNINR					Mascot
870.493	870.5094	0.0164	19	10	17	LDIVGEPK					Mascot
1045.5061	1045.5275	0.0214	20	412	419	DFHKDEVR					Mascot
1179.535	1179.5624	0.0274	23	524	534	SYSYVCGVSSK					Mascot
1179.535	1179.5624	0.0274	23	524	534	SYSYVCGVSSK					Mascot
1228.6102	1228.6366	0.0264	21	622	631	DPLQKQPSR			Carbamidomethyl (C)[9]		Mascot

1277.6042	1277.6654	0.0612	48	325	335	TLNMTTNPEEK							Mascot
1631.885	1631.7461	-0.1389	-85	278	292	ESQSVVEALTKLGIK							Mascot
1631.885	1631.7461	-0.1389	-85	278	292	ESQSVVEALTKLGIK							Mascot
1638.9172	1638.8032	-0.114	-70	420	434	ALGRELGLPEEIVSR							Mascot
1711.9337	1711.8611	-0.0726	-42	165	181	IVAQSGNIVAGIANEQK							Mascot
1805.8772	1805.8018	-0.0754	-42	1	17	MALCNGDSKLDIVGEPK					Oxidation (M)[1]		Mascot

33 dnaJ homolog subfamily C member 3 [Danio rerio] gi|323422969 57486.9 6.82 11 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1003.5782	1003.5211	-0.0571	-57	207	216	AISDLKAASK					Mascot
1045.5889	1045.5275	-0.0614	-59	87	96	SKSALPDLSK					Mascot
1109.6135	1109.4574	-0.1561	-141	77	86	RATVYLAMGK					Mascot
1179.5067	1179.5624	0.0557	47	310	318	ERMCHCLSK			Carbamidomethyl (C)[4], Oxidation (M)[3]		Mascot
1179.5067	1179.5624	0.0557	47	310	318	ERMCHCLSK			Carbamidomethyl (C)[4], Oxidation (M)[3]		Mascot
1189.5696	1189.5941	0.0245	21	140	149	EEQEAQSQLK					Mascot
1228.5991	1228.6366	0.0375	31	247	256	ECLKLDQDHK					Mascot
1320.6464	1320.5408	-0.1056	-80	447	457	EVLTDPPEMRSK			Oxidation (M)[8]		Mascot
1324.6466	1324.6415	-0.0051	-4	257	266	QCFSHYKQVK			Carbamidomethyl (C)[2]		Mascot
1648.7537	1648.7708	0.0171	10	251	263	LDQDHKQCFSHYK					Mascot
1648.7537	1648.7708	0.0171	10	251	263	LDQDHKQCFSHYK					Mascot
2115.075	2114.9412	-0.1338	-63	325	344	AISVCSEVLNTDPQNVNA LK					Mascot
2115.075	2114.9412	-0.1338	-63	325	344	AISVCSEVLNTDPQNVNA LK					Mascot
2205.1008	2205.0007	-0.1001	-45	291	309	YESVMKTEPNVPHFTLN AK					Mascot

34 PREDICTED: retrotransposable element Tf2 155 kDa protein type 1-like [Danio rerio] gi|326677789 165743.2 9.59 17 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
840.4362	840.4957	0.0595	71	898	904	HWLEGAK					Mascot
868.4709	868.5179	0.047	54	495	502	VPPPCLSR					Mascot
1090.5963	1090.4939	-0.1024	-94	1435	1445	SSRGTSGLVLR					Mascot
1107.6157	1107.501	-0.1147	-104	915	923	NLTYYREAK					Mascot
1160.6364	1160.4971	-0.1393	-120	1044	1051	FWWPRLQK					Mascot

1165.6801	1165.5482	-0.1319	-113	598	607	GLNHITIKNR							Mascot
1228.5667	1228.6366	0.0699	57	804	813	SFVWTEMANK				Oxidation (M)[7]			Mascot
1234.7126	1234.639	-0.0736	-60	1291	1301	RPGPTLRPGQR							Mascot
1234.7126	1234.639	-0.0736	-60	1291	1301	RPGPTLRPGQR							Mascot
1290.6742	1290.559	-0.1152	-89	773	782	FLGFANFYRR							Mascot
1290.7164	1290.559	-0.1574	-122	543	553	GRLYLSLIPER							Mascot
1308.696	1308.615	-0.081	-62	929	938	QARWALFFNR							Mascot
1434.7838	1434.7208	-0.063	-44	786	799	GFSSIAEPLTALT							Mascot
1562.8788	1562.7205	-0.1583	-101	786	800	GFSSIAEPLTALT							Mascot
1638.7717	1638.8032	0.0315	19	2	17	EVNPAGEASPPSNVDR							Mascot
1711.8333	1711.8611	0.0278	16	858	871	TDNKLHPCAYLSHR				Carbamidomethyl (C)[8]			Mascot
2115.0923	2114.9412	-0.1511	-71	898	914	HWLEGAKHPFLIWDHK							Mascot
2115.0923	2114.9412	-0.1511	-71	898	914	HWLEGAKHPFLIWDHK							Mascot
2298.3472	2298.1064	-0.2408	-105	474	494	VIPKLKPLTFESPAPLPEP PK							Mascot

35 tropomyosin alpha-1 chain [Danio rerio] gi|18859505 32702.7 4.7 10 36 0

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type	
807.4029	807.3687	-0.0342	-42	199	205	TVTNNMK							Mascot
810.3879	810.3729	-0.015	-19	221	226	YEEEEK							Mascot
840.4097	840.4957	0.086	102	214	220	YSAKEDK							Mascot
1107.5792	1107.501	-0.0782	-71	239	248	AEFAERSVAK							Mascot
1109.4891	1109.4574	-0.0317	-29	119	128	AADESERGMK			Oxidation (M)[9]				Mascot
1228.7008	1228.6366	-0.0642	-52	102	112	AQERLATALQK							Mascot
1308.6178	1308.615	-0.0028	-2	234	244	EAETRAEFAER							Mascot
1324.6743	1324.6415	-0.0328	-25	206	217	SLEAQAEKYSAK							Mascot
1475.7773	1475.7058	-0.0715	-48	141	152	MELQEIQLEAK			Oxidation (M)[1]				Mascot
1648.8098	1648.7708	-0.039	-24	137	149	DEEKMEIQLEQLK			Oxidation (M)[5]				Mascot
1648.8098	1648.7708	-0.039	-24	137	149	DEEKMEIQLEQLK			Oxidation (M)[5]				Mascot

36 novel protein (zgc:73157) [Danio rerio] gi|148725327 27482.5 6.7 7 36 0

Peptide Information													
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type	
842.4665	842.4818	0.0153	18	111	117	MLKSAHR							Mascot
1107.5	1107.501	0.001	1	203	212	AWRGGTGDCK			Carbamidomethyl (C)[9]				Mascot

	1307.6711	1307.6277	-0.0434	-33	101	110	LFRPMLNMNR					Oxidation (M)[5]	Mascot
	1316.5422	1316.4816	-0.0606	-46	5	17	GENGMADSASSFK					Oxidation (M)[5]	Mascot
	1562.8406	1562.7205	-0.1201	-77	99	110	VRLFRPMLNMNR					Oxidation (M)[7]	Mascot
	1711.8805	1711.8611	-0.0194	-11	101	113	LFRPMLNMNRMLK					Oxidation (M)[5,8,11]	Mascot
	2297.0181	2297.0933	0.0752	33	114	133	SAHRACLPSFDCAELME CIK					Carbamidomethyl (C)[6], Oxidation (M)[16]	Mascot
37	novel protein similar to H.sapiens TTN, titin (TTN) [Danio rerio]					gi 169154823	842970	5.81	41	36	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
810.312	810.3729	0.0609	75	1194	1199	MDEMER					Mascot
842.444	842.4818	0.0378	45	3102	3108	SYKVSMK					Mascot
850.4814	850.5093	0.0279	33	1088	1094	LTSVRMK			Oxidation (M)[6]		Mascot
856.4886	856.4949	0.0063	7	6818	6824	LTLQEPR					Mascot
860.5022	860.4314	-0.0708	-82	2494	2500	LMIQTVR					Mascot
870.4203	870.5094	0.0891	102	6420	6427	LSDSGTYK					Mascot
882.4679	882.5356	0.0677	77	2483	2489	YKVSTER					Mascot
996.536	996.5589	0.0229	23	2586	2593	LTITETYSR					Mascot
1023.5217	1023.4826	-0.0391	-38	6866	6874	DIRTGGNYK					Mascot
1045.5347	1045.5275	-0.0072	-7	6656	6665	CQIGGTPEIK					Mascot
1051.5571	1051.6774	0.1203	114	6666	6674	ISWFKADGK					Mascot
1090.5375	1090.4939	-0.0436	-40	4503	4512	DKNPVSSDTK					Mascot
1107.48	1107.501	0.021	19	4973	4982	NETEIGSDDK					Mascot
1160.6674	1160.4971	-0.1703	-147	3641	3650	FVSNIKVEPK					Mascot
1189.5371	1189.5941	0.057	48	6578	6587	DGQEIYSSYK					Mascot
1234.6096	1234.639	0.0294	24	6087	6097	GKDASLNCELK			Carbamidomethyl (C)[8]		Mascot
1234.6096	1234.639	0.0294	24	6087	6097	GKDASLNCELK			Carbamidomethyl (C)[8]		Mascot
1280.6337	1280.5992	-0.0345	-27	5020	5032	CSCLVTVKGDAGK					Mascot
1280.6766	1280.5992	-0.0774	-60	918	929	TTVSMTLTVEAK					Mascot
1290.6875	1290.559	-0.1285	-100	1966	1976	HYSLTIINAMK					Mascot
1290.6875	1290.559	-0.1285	-100	1966	1976	HYSLTIINAMK					Mascot
1302.6584	1302.6318	-0.0266	-20	6683	6693	MEFFKGIACLK			Oxidation (M)[1]		Mascot
1307.6842	1307.6277	-0.0565	-43	6215	6225	ITFENNEVTLK					Mascot
1308.61	1308.615	0.005	4	5377	5388	EVSSGIDCSVQK			Carbamidomethyl (C)[8]		Mascot
1316.5684	1316.4816	-0.0868	-66	5081	5091	GSMPMTISWMK			Oxidation (M)[3,5,10]		Mascot
1320.5914	1320.5408	-0.0506	-38	822	832	LDDTDESQLEK					Mascot

1352.6844	1352.5568	-0.1276	-94	6293	6304	WFKDGVELSSGK						Mascot
1435.7791	1435.6986	-0.0805	-56	6214	6225	KITFENNEVTLK						Mascot
1436.705	1436.6782	-0.0268	-19	5376	5388	KEVSSGIDCSVQK				Carbamidomethyl (C)[9]		Mascot
1475.804	1475.7058	-0.0982	-67	1964	1976	GKHYSLTIIAMK						Mascot
1493.6438	1493.6804	0.0366	25	5126	5138	YTCHAQNEAGSQK				Carbamidomethyl (C)[3]		Mascot
1631.7482	1631.7461	-0.0021	-1	1887	1901	SFGSDEGQYKMAVGR						Mascot
1631.7482	1631.7461	-0.0021	-1	1887	1901	SFGSDEGQYKMAVGR						Mascot
1638.9061	1638.8032	-0.1029	-63	7253	7266	DIDIVELLRNVDPK						Mascot
1648.8806	1648.7708	-0.1098	-67	971	984	NSDIISPHKYPHIK						Mascot
1648.8806	1648.7708	-0.1098	-67	971	984	NSDIISPHKYPHIK						Mascot
1805.8826	1805.8018	-0.0808	-45	1479	1493	CRVIGKPDPECQWFK						Mascot
2036.9515	2036.9403	-0.0112	-5	5856	5872	ILQDENSMSLDIECLEK				Carbamidomethyl (C)[14]		Mascot
2052.9463	2052.9312	-0.0151	-7	5856	5872	ILQDENSMSLDIECLEK				Carbamidomethyl (C)[14], Oxidation (M)[8]		Mascot
2115.1306	2114.9412	-0.1894	-90	7274	7291	MYGITDFRGLLQAIEFLK						Mascot
2115.1306	2114.9412	-0.1894	-90	7274	7291	MYGITDFRGLLQAIEFLK						Mascot
2205.0679	2205.0007	-0.0672	-30	4913	4933	YTCQVSNDAKVSCTAA LFVK						Mascot
2211.1438	2211.0291	-0.1147	-52	6494	6513	SCEIALRGDTAILELHNID K						Mascot
2232.9575	2233.0029	0.0454	20	1132	1149	MINEFGYCSLDYEVAYS				Carbamidomethyl (C)[8], Oxidation (M)[1]		Mascot
2283.104	2283.1038	-0.0002	0	2409	2430	NVHFGDVGDKFVAGSA ETAAK						Mascot
2283.104	2283.1038	-0.0002	0	2409	2430	NVHFGDVGDKFVAGSA ETAAK						Mascot
2297.1516	2297.0933	-0.0583	-25	6550	6570	NLSVEMGKSLILECTYAG SPK				Carbamidomethyl (C)[14]		Mascot
3337.4834	3337.6648	0.1814	54	4346	4377	DTGTYTCTAANEAGSSS CSSSVTVQEPVFK				Carbamidomethyl (C)[7,18]		Mascot

38 DnaJ (Hsp40) homolog, subfamily C, member 3 [Danio rerio] gi|29437212 57493.9 6.8 11 36 0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.4243	996.5589	0.1346	135	70	76	NYMAYYR			Oxidation (M)[3]		Mascot
1003.5782	1003.5211	-0.0571	-57	207	216	AISDLKAASK					Mascot
1045.5889	1045.5275	-0.0614	-59	87	96	SKSALPDLSK					Mascot
1109.6135	1109.4574	-0.1561	-141	77	86	RATVYLAMGK					Mascot
1179.5067	1179.5624	0.0557	47	310	318	ERMCHCLSK			Carbamidomethyl (C)[4], Oxidation (M)[3]		Mascot
1179.5067	1179.5624	0.0557	47	310	318	ERMCHCLSK			Carbamidomethyl (C)[4], Oxidation (M)[3]		Mascot
1189.5696	1189.5941	0.0245	21	140	149	EEQEAQSQLK					Mascot
1228.5991	1228.6366	0.0375	31	247	256	ECLKLDQDHK					Mascot

	1320.6464	1320.5408	-0.1056	-80	447	457	EVLTDPEMRSK			Oxidation (M)[8]	Mascot
	1324.6466	1324.6415	-0.0051	-4	257	266	QCFSHYKQVK			Carbamidomethyl (C)[2]	Mascot
	1648.7537	1648.7708	0.0171	10	251	263	LDQDHKQCFSHYK				Mascot
	1648.7537	1648.7708	0.0171	10	251	263	LDQDHKQCFSHYK				Mascot
	2115.075	2114.9412	-0.1338	-63	325	344	AISVCSEVLNTDPQNVNA LK				Mascot
	2115.075	2114.9412	-0.1338	-63	325	344	AISVCSEVLNTDPQNVNA LK				Mascot
39	PREDICTED: chromodomain-helicase-DNA-binding protein 9-like [Danio rerio]				gi 326669481		278654.9	8.67	23	36	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4665	842.4818	0.0153	18	1477	1483	AMARLHK			Oxidation (M)[2]		Mascot
860.4723	860.4314	-0.0409	-48	679	685	LKEDVEK					Mascot
870.5043	870.5094	0.0051	6	1807	1815	NASVVPGVK					Mascot
941.5349	941.5463	0.0114	12	2224	2231	RPKNAMPK					Mascot
941.5349	941.5463	0.0114	12	2224	2231	RPKNAMPK					Mascot
1051.5604	1051.6774	0.117	111	603	611	NCKLLEGFK					Mascot
1090.5172	1090.4939	-0.0233	-21	740	748	CCNHPLYIK					Mascot
1160.627	1160.4971	-0.1299	-112	935	944	DNSLQQLSKK					Mascot
1179.6481	1179.5624	-0.0857	-73	1046	1055	KQTRPFSSTK					Mascot
1179.6481	1179.5624	-0.0857	-73	1046	1055	KQTRPFSSTK					Mascot
1234.6249	1234.639	0.0141	11	1294	1303	ADPKLCFLDR			Carbamidomethyl (C)[6]		Mascot
1234.6637	1234.639	-0.0247	-20	981	991	TKTITIESEGR					Mascot
1280.6382	1280.5992	-0.039	-30	1284	1293	HGYEKYNTIR					Mascot
1280.6382	1280.5992	-0.039	-30	1284	1293	HGYEKYNTIR					Mascot
1290.6974	1290.559	-0.1384	-107	254	264	ISDEEMKVIVK					Mascot
1290.6974	1290.559	-0.1384	-107	254	264	ISDEEMKVIVK					Mascot
1320.5897	1320.5408	-0.0489	-37	1492	1501	YLCAFIAMCR			Carbamidomethyl (C)[3,9], Oxidation (M)[8]		Mascot
1435.7031	1435.6986	-0.0045	-3	476	488	RNCILADEMGLGK			Oxidation (M)[9]		Mascot
1493.7668	1493.6804	-0.0864	-58	807	818	CLDILEDYLIQR					Mascot
1648.7384	1648.7708	0.0324	20	149	163	VMSPDSFPSSSSQHR					Mascot
1648.7384	1648.7708	0.0324	20	149	163	VMSPDSFPSSSSQHR					Mascot
1805.8051	1805.8018	-0.0033	-2	645	659	FPSENTFMQEFGDLK			Oxidation (M)[8]		Mascot
2114.9819	2114.9412	-0.0407	-19	1485	1501	TDESLHKYLCAFIAMCR			Carbamidomethyl (C)[10,16]		Mascot
2114.9819	2114.9412	-0.0407	-19	1485	1501	TDESLHKYLCAFIAMCR			Carbamidomethyl (C)[10,16]		Mascot
2211.0322	2211.0291	-0.0031	-1	1589	1606	TDYHILRDPELCYMAAQR			Oxidation (M)[14]		Mascot

	2230.0715	2230.1233	0.0518	23	459	475	DYQLEGVNWLLFNWYNR										Mascot
	2282.9988	2283.1038	0.105	46	356	374	AHFFADEDPFNPDYVEV DR										Mascot
	2282.9988	2283.1038	0.105	46	356	374	AHFFADEDPFNPDYVEV DR										Mascot
	2297.3015	2297.0933	-0.2082	-91	502	522	TGIKGPFLIIAPLSTIANWE R										Mascot
	2298.146	2298.1064	-0.0396	-17	1901	1922	LLDNASTLPEDPSDSPQ GSKVK										Mascot
40	alpha-tropomyosin [Danio rerio]				gi 55962544		32720.7	4.7	10	35	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	807.4029	807.3687	-0.0342	-42	199	205	TVTNNMK						Mascot	
	810.3879	810.3729	-0.015	-19	221	226	YEEEIK						Mascot	
	840.4097	840.4957	0.086	102	214	220	YSAKEDK						Mascot	
	1107.5792	1107.501	-0.0782	-71	239	248	AEFAERSVAK						Mascot	
	1109.4891	1109.4574	-0.0317	-29	119	128	AADESERGMK				Oxidation (M)[9]		Mascot	
	1228.7008	1228.6366	-0.0642	-52	102	112	AQERLATALQK						Mascot	
	1308.6178	1308.615	-0.0028	-2	234	244	EAETRAEFAER						Mascot	
	1324.6743	1324.6415	-0.0328	-25	206	217	SLEAQAEKYSK						Mascot	
	1475.7773	1475.7058	-0.0715	-48	141	152	MELQEIQLEAK				Oxidation (M)[1]		Mascot	
	1648.8098	1648.7708	-0.039	-24	137	149	DEEKMEIQLEQLK				Oxidation (M)[5]		Mascot	
	1648.8098	1648.7708	-0.039	-24	137	149	DEEKMEIQLEQLK				Oxidation (M)[5]		Mascot	

41	novel protein [Danio rerio]				gi 220679270		57934.9	8.64	6	35	0	18	0				
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	807.4583	807.3687	-0.0896	-111	321	326	HERIPR						Mascot	
	1160.4637	1160.4971	0.0334	29	6	14	DHMTENEER						Mascot	
	1179.6117	1179.5624	-0.0493	-42	127	136	STSHSYLTRK						Mascot	
	1179.6117	1179.5624	-0.0493	-42	127	136	STSHSYLTRK	18		0			Mascot	
	1189.6609	1189.5941	-0.0668	-56	291	301	MGLLIATQTNK						Mascot	
	1562.7843	1562.7205	-0.0638	-41	190	202	EEQSITSNLLCIR				Carbamidomethyl (C)[11]		Mascot	
	1648.9131	1648.7708	-0.1423	-86	160	173	DSPLFLPIMIIYAR						Mascot	
	1648.9131	1648.7708	-0.1423	-86	160	173	DSPLFLPIMIIYAR						Mascot	

42	PREDICTED: actin filament-associated protein 1-like [Danio rerio]				gi 189525987		89049.3	9.08	13	35	0						
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Peptide Information													
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
842.473	842.4818	0.0088	10	599	605	LDKNQPK						Mascot	
850.3974	850.5093	0.1119	132	690	696	KVEDECK						Mascot	
941.5124	941.5463	0.0339	36	181	188	LLCYKSSK						Mascot	
941.5124	941.5463	0.0339	36	181	188	LLCYKSSK						Mascot	
996.5182	996.5589	0.0407	41	178	185	DNKLLCYK						Mascot	
1045.6074	1045.5275	-0.0799	-76	172	180	LLCVIKDNK						Mascot	
1160.5518	1160.4971	-0.0547	-47	465	473	QSFCFTSKR				Carbamidomethyl (C)[4]		Mascot	
1165.6211	1165.5482	-0.0729	-63	18	27	EYLTAGVREK						Mascot	
1234.6725	1234.639	-0.0335	-27	153	162	DARICAFLLR				Carbamidomethyl (C)[5]		Mascot	
1234.6725	1234.639	-0.0335	-27	153	162	DARICAFLLR				Carbamidomethyl (C)[5]		Mascot	
1435.813	1435.6986	-0.1144	-80	166	177	FGQWTKLLCVIK						Mascot	
1648.938	1648.7708	-0.1672	-101	219	234	IVHQGADALVLAVQSK						Mascot	
1648.938	1648.7708	-0.1672	-101	219	234	IVHQGADALVLAVQSK						Mascot	
2211.1147	2211.0291	-0.0856	-39	189	208	DQTPQMELLLSGCSITHI PK						Mascot	
2233.124	2233.0029	-0.1211	-54	408	428	LLRNGQEVAVLEASSSES MGR						Mascot	
2248.9556	2248.9861	0.0305	14	246	268	EVCSNNGNGVVDGAG SGSTVHK				Carbamidomethyl (C)[3]		Mascot	
2284.1311	2284.0933	-0.0378	-17	189	208	DQTPQMELLLSGCSITHI PK				Carbamidomethyl (C)[13], Oxidation (M)[6]		Mascot	
43	PREDICTED: cerebellar degeneration-related protein 2-like [Danio rerio]			gi 326666298		49910.8	5.11	9	35	0			

Peptide Information													
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1165.5704	1165.5482	-0.0222	-19	152	162	ALGAQSMSCCLK				Carbamidomethyl (C)[9]		Mascot	
1228.6757	1228.6366	-0.0391	-32	98	107	SNQRLVLENR						Mascot	
1280.6449	1280.5992	-0.0457	-36	151	162	RALGAQSMSCCLK				Oxidation (M)[8]		Mascot	
1280.6449	1280.5992	-0.0457	-36	151	162	RALGAQSMSCCLK				Oxidation (M)[8]		Mascot	
1307.6703	1307.6277	-0.0426	-33	262	272	LLWRSESSSR						Mascot	
1352.7394	1352.5568	-0.1826	-135	102	112	LVLENRTSQHR						Mascot	
1711.8545	1711.8611	0.0066	4	70	83	QVDLLRQMNDQHAK				Oxidation (M)[8]		Mascot	
1805.9075	1805.8018	-0.1057	-59	367	383	CQHGANSLSHKAVQTPK						Mascot	
2297.1077	2297.0933	-0.0144	-6	191	209	CVEEEEETSTLQHS�HLK K				Carbamidomethyl (C)[1]		Mascot	
2298.1104	2298.1064	-0.004	-2	152	171	ALGAQSMSCCLKIYDLQQ				Carbamidomethyl (C)[9]		Mascot	

44 immunoglobulin heavy chain variable segment 4-7 [Danio rerio] DK gi|56207367 13190.6 8.45 5 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1109.595	1109.4574	-0.1376	-124	78	87	TVYAKSVEGR					Mascot
1189.6245	1189.5941	-0.0304	-26	33	43	KPGETLNLSCK					Mascot
1277.5466	1277.6654	0.1188	93	108	118	TEDSAVYYCAR					Mascot
1711.8683	1711.8611	-0.0072	-4	93	107	DNSNNMVYLKLSGLK			Oxidation (M)[6]		Mascot
2230.0498	2230.1233	0.0735	33	44	63	GSGFDFGQYGMQWIRQ PAGK					Mascot

45 novel protein similar to vertebrate SWIVSNF related, matrix associated, actin dependent regulator gi|55963379 29300 9.77 7 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
840.392	840.4957	0.1037	123	263	269	QMPSKSY					Mascot
856.3869	856.4949	0.108	126	263	269	QMPSKSY			Oxidation (M)[2]		Mascot
1234.5746	1234.639	0.0644	52	135	144	CVSHSENRFRR					Mascot
1234.5746	1234.639	0.0644	52	135	144	CVSHSENRFRR					Mascot
1320.6794	1320.5408	-0.1386	-105	159	170	SIPSKNYDPATK					Mascot
1475.7522	1475.7058	-0.0464	-31	70	82	QTQLIDINAACTK			Carbamidomethyl (C)[11]		Mascot
2115.1848	2114.9412	-0.2436	-115	145	163	VEVGYHADLILVFKSIPSK					Mascot
2115.1848	2114.9412	-0.2436	-115	145	163	VEVGYHADLILVFKSIPSK					Mascot
2211.0286	2211.0291	0.0005	0	41	61	HTQSGTTGGPAKNNQHF ASDR					Mascot
2230.1245	2230.1233	-0.0012	-1	62	82	GQSGAPTRQTQLIDINAA CTK			Carbamidomethyl (C)[19]		Mascot

46 novel protein similar to vertebrate tropomyosin 4 (TPM4) (zgc:63909) [Danio rerio] gi|94732584 23517.9 4.6 8 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
810.3879	810.3729	-0.015	-19	141	146	YEEEIK					Mascot
850.3975	850.5093	0.1118	131	54	60	AMKDEEK					Mascot
1109.4891	1109.4574	-0.0317	-29	39	48	AADESERGMK			Oxidation (M)[9]		Mascot
1165.5592	1165.5482	-0.011	-9	61	69	MEIQEMQLK			Oxidation (M)[1]		Mascot

	1234.5732	1234.639	0.0658	53	99	109	AEERAEEVAECK										Mascot
	1234.5732	1234.639	0.0658	53	99	109	AEERAEEVAECK										Mascot
	1308.6178	1308.615	-0.0028	-2	154	164	EAETRAEFAER										Mascot
	1352.6943	1352.5568	-0.1375	-102	141	151	YEEIEKVLSDK										Mascot
	1493.7338	1493.6804	-0.0534	-36	61	72	MEIQEMQLKEAK						Oxidation (M)[1]				Mascot

47 PREDICTED: transposon TX1 uncharacterized 149 kDa gi|326674296 180436.7 7.83 20 34 0
protein-like [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3995	807.3687	-0.0308	-38	469	475	EFNGNVK					Mascot
850.4087	850.5093	0.1006	118	595	601	DITQAMR			Oxidation (M)[6]		Mascot
860.4849	860.4314	-0.0535	-62	500	506	HHVNVVR					Mascot
868.5073	868.5179	0.0106	12	51	57	QVHMILK					Mascot
996.493	996.5589	0.0659	66	564	571	KQCFSDLR					Mascot
1045.5717	1045.5275	-0.0442	-42	662	669	FFFSLEKK					Mascot
1179.6455	1179.5624	-0.0831	-70	1218	1226	VWRLFSLCR					Mascot
1179.6844	1179.5624	-0.122	-103	855	864	SILDNVHLIR					Mascot
1302.7239	1302.6318	-0.0921	-71	307	316	MQLYELIKHK					Mascot
1320.5571	1320.5408	-0.0163	-12	87	97	CFGCGQEGHLR			Carbamidomethyl (C)[1,4]		Mascot
1475.71	1475.7058	-0.0042	-3	583	594	LFCQQAFAFNVSR					Mascot
1631.7997	1631.7461	-0.0536	-33	439	452	LDRNHVEPHANSSR					Mascot
1631.7997	1631.7461	-0.0536	-33	439	452	LDRNHVEPHANSSR					Mascot
1638.7904	1638.8032	0.0128	8	648	661	SRYQNLTQMDAPSK					Mascot
1707.775	1707.7107	-0.0643	-38	1357	1370	DVNLTMQKGTMYK			Oxidation (M)[6,7,12]		Mascot
2053.0073	2052.9312	-0.0761	-37	476	491	QYTWLHTRENFISMAR					Mascot
2205.0605	2205.0007	-0.0598	-27	675	694	YIHSLCAENGQVLTDA SDIR					Mascot
2230.1299	2230.1233	-0.0066	-3	1202	1220	NICLNGLPSFYCGLFKV WR					Mascot
2249.1885	2248.9861	-0.2024	-90	1271	1291	HVVDVAGTELNNVDAV TNLLR					Mascot
2297.25	2297.0933	-0.1567	-68	1422	1443	ILHGIVAVNAFISVVNSS VDDK					Mascot
2298.0818	2298.1064	0.0246	11	2	23	AAAMETPASAFSGDAP FERLSR			Oxidation (M)[4]		Mascot

48 tropomyosin beta chain [Danio rerio] gi|50344894 32569.7 4.68 10 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	850.4087	850.5093	0.1006	118	149	155	KGQENMK			Oxidation (M)[6]		Mascot
	941.4839	941.5463	0.0624	66	123	129	FQAEKYR					Mascot
	941.4839	941.5463	0.0624	66	123	129	FQAEKYR					Mascot
	1280.6667	1280.5992	-0.0675	-53	164	173	MLEYALKQER					Mascot
	1280.6667	1280.5992	-0.0675	-53	164	173	MLEYALKQER					Mascot
	1631.85	1631.7461	-0.1039	-64	135	148	DELRAQVAFLQGER					Mascot
	1631.85	1631.7461	-0.1039	-64	135	148	DELRAQVAFLQGER					Mascot
	1638.7136	1638.8032	0.0896	55	49	67	SGGMAGGTSQSPAGSG TGR			Oxidation (M)[4]		Mascot
	2211.1187	2211.0291	-0.0896	-41	74	98	AVLGPPASAVAAAAAGP MAGSSQSR			Oxidation (M)[18]		Mascot
	2230.0264	2230.1233	0.0969	43	49	73	SGGMAGGTSQSPAGSG TGRNPNGPK					Mascot

50 PREDICTED: ankyrin repeat and SOCS box protein 14-like [Danio rerio] gi|326672037 66182.4 6.34 1 24 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	941.5414	941.5463	0.0049	5	45	52	IVQISPER	24	0		2	Mascot

Gel Idx/Pos	263/K15	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	cofilin 2, like [Danio rerio]	gi 47271384	18758.6	6.84	9	209	100	152	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1002.4495	1002.4149	-0.0346	-35	71	78	MLPPNDCR			Carbamidomethyl (C)[7]		Mascot
1018.4444	1018.4113	-0.0331	-33	71	78	MLPPNDCR	24	8.628	Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot
1018.4444	1018.4113	-0.0331	-33	71	78	MLPPNDCR			Carbamidomethyl (C)[7], Oxidation (M)[1]		Mascot
1337.626	1337.5823	-0.0437	-33	79	89	YALYDATYETK					Mascot
1337.626	1337.5823	-0.0437	-33	79	89	YALYDATYETK	66	99.994			Mascot
1487.6583	1487.6096	-0.0487	-33	130	141	HEWQVNGMDDIK			Oxidation (M)[8]		Mascot
1542.8373	1542.786	-0.0513	-33	150	165	LGGASVVSLEGKPLTD					Mascot
1742.7915	1742.7335	-0.058	-33	130	143	HEWQVNGMDDIKDR					Mascot
1758.7864	1758.7297	-0.0567	-32	130	143	HEWQVNGMDDIKDR			Oxidation (M)[8]		Mascot
1990.0684	1990.0033	-0.0651	-33	93	109	KEDLVFIFWAPESAPLK					Mascot
2033.9749	2033.9081	-0.0668	-33	125	141	FTGIKHEWQVNGMDDIK			Oxidation (M)[13]		Mascot
2225.1482	2225.0488	-0.0994	-45	2	21	ASGVTVEETVLTVFNEMK VR			Oxidation (M)[17]		Mascot
2225.1482	2225.0488	-0.0994	-45	2	21	ASGVTVEETVLTVFNEMK VR			Oxidation (M)[17]		Mascot
2413.1704	2413.0979	-0.0725	-30	47	67	HIIMEQQQEILQGDEGDP YLK					Mascot
2429.1653	2429.0942	-0.0711	-29	47	67	HIIMEQQQEILQGDEGDP YLK			Oxidation (M)[4]		Mascot
2429.1653	2429.0942	-0.0711	-29	47	67	HIIMEQQQEILQGDEGDP YLK	62	99.983	Oxidation (M)[4]		Mascot

2	S-adenosylhomocysteine hydrolase-like 1 [Danio rerio]	gi 148725375	61342.4	6.58	11	38	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.3712	842.4845	0.1133	135	125	132	GSSDFCVK					Mascot
868.4926	868.5161	0.0235	27	265	271	YPSVFKK					Mascot
870.5406	870.5145	-0.0261	-30	458	465	VILLAEGR					Mascot
1062.5691	1062.6591	0.09	85	133	141	NIKQAEFGR					Mascot
1069.6	1069.6053	0.0053	5	161	171	AQGEKPLAGAK					Mascot

	1092.532	1092.5529	0.0209	19	64	72	IQFANQEDK						Mascot
	1542.7217	1542.786	0.0643	42	119	132	SQVNSKGSSDFCVK				Carbamidomethyl (C)[12]		Mascot
	1758.8214	1758.7297	-0.0917	-52	22	37	ESENVAEKYSAMTATK						Mascot
	1990.0273	1990.0033	-0.024	-12	142	158	REIEIAEQDMSALISLR				Oxidation (M)[10]		Mascot
	2233.0159	2233.0164	0.0005	0	414	434	NGCIVCNMGHSNTEIDV SLR						Mascot
	2249.0107	2248.9939	-0.0168	-7	414	434	NGCIVCNMGHSNTEIDV SLR				Oxidation (M)[8]		Mascot
	2306.0322	2306.0542	0.022	10	414	434	NGCIVCNMGHSNTEIDV SLR				Carbamidomethyl (C)[3], Oxidation (M)[8]		Mascot
	3499.6333	3499.7527	0.1194	34	349	380	GCCSALKALGAIVCVTEI DPICALQACMDGFR				Carbamidomethyl (C)[2,3,14,22]		Mascot
3	mitochondrial uncoupling protein 3 [Danio rerio]						gi 37681967	33714.6	10.02	8	38	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4385	850.5157	0.0772	91	296	302	RAMMVSR					Mascot
850.4385	850.5157	0.0772	91	296	302	RAMMVSR					Mascot
866.5206	866.5067	-0.0139	-16	202	208	EAILKHR					Mascot
882.4283	882.5367	0.1084	123	296	302	RAMMVSR			Oxidation (M)[3,4]		Mascot
996.4713	996.5637	0.0924	93	297	304	AMMVSRNR			Oxidation (M)[2,3]		Mascot
996.4713	996.5637	0.0924	93	297	304	AMMVSRNR			Oxidation (M)[2,3]		Mascot
1069.5748	1069.6053	0.0305	29	109	118	GKDNPNVAVR					Mascot
1677.9608	1677.8413	-0.1195	-71	1	16	MVGLKPSDVPPLTVK					Mascot
2211.1702	2211.0334	-0.1368	-62	76	95	SLYNGLVAGLQRQMAFA SIR			Oxidation (M)[14]		Mascot
2237.0974	2237.0339	-0.0635	-28	119	140	ILAGCTTGAMAVSMAQP TDVVK			Carbamidomethyl (C)[5], Oxidation (M)[10]		Mascot
2451.2405	2451.0718	-0.1687	-69	119	142	ILAGCTTGAMAVSMAQP TDVVKVR			Oxidation (M)[10,14]		Mascot

4	bcl-2-related ovarian killer protein homolog B [Danio rerio]						gi 41055421	23818.6	7.71	7	38	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5134	842.4845	-0.0289	-34	161	167	SLVPWLK					Mascot
850.4668	850.5157	0.0489	57	26	32	ELVFQSK					Mascot
850.4668	850.5157	0.0489	57	26	32	ELVFQSK					Mascot
996.4236	996.5637	0.1401	141	178	185	CVVNMDSR			Carbamidomethyl (C)[1], Oxidation (M)[5]		Mascot
996.4236	996.5637	0.1401	141	178	185	CVVNMDSR			Carbamidomethyl (C)[1], Oxidation (M)[5]		Mascot
1018.5277	1018.4113	-0.1164	-114	204	211	TMVYVLTk					Mascot

1018.5277	1018.4113	-0.1164	-114	204	211	TMYVYLTK						Mascot
1759.8142	1759.7213	-0.0929	-53	74	87	LGDELECMRPYVYR				Oxidation (M)[8]		Mascot
2194.1919	2194.0217	-0.1702	-78	186	203	AHVHWLSTAVLTWREFIK						Mascot
2271.126	2270.9895	-0.1365	-60	1	20	MNVFARSSVLAAEMIDVF DR						Mascot

5 novel protein similar to vertebrate protein kinase C, theta (PRKCQ) [Danio rerio] gi|55962227 81064.5 7.59 14 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4781	850.5157	0.0376	44	31	37	GQVYKQK					Mascot
850.4781	850.5157	0.0376	44	31	37	GQVYKQK					Mascot
856.5362	856.4981	-0.0381	-44	623	630	LGVKGNIR					Mascot
866.4036	866.5067	0.1031	119	204	212	CTGSAVNSK					Mascot
1045.5459	1045.5341	-0.0118	-11	272	281	VANLCGVNQK					Mascot
1069.5571	1069.6053	0.0482	45	187	195	QCNAAIHKK			Carbamidomethyl (C)[2]		Mascot
1334.7096	1334.8551	0.1455	109	200	212	VIAKCTGSAVNSK			Carbamidomethyl (C)[5]		Mascot
1359.5238	1359.5717	0.0479	35	257	267	CEECGMNVHHK			Carbamidomethyl (C)[1], Oxidation (M)[6]		Mascot
1487.5992	1487.6096	0.0104	7	115	129	SDAAGHGEDGETER					Mascot
1759.7131	1759.7213	0.0082	5	257	270	CEECGMNVHHKCQK			Carbamidomethyl (C)[1,4]		Mascot
2237.1013	2237.0339	-0.0674	-30	282	301	LMAEALAMIESTQQQAR SSR			Oxidation (M)[2]		Mascot
2284.0989	2284.0989	0	0	537	556	TCTFCGTPDYIAPEILLGQ K			Carbamidomethyl (C)[2,5]		Mascot
2348.1624	2348.1743	0.0119	5	508	528	LDNILLDTDGHKIADFGM CK			Oxidation (M)[19]		Mascot
2413.187	2413.0979	-0.0891	-37	36	55	QKRPTMYPWSSSTFDAH VHK					Mascot
2429.1819	2429.0942	-0.0877	-36	36	55	QKRPTMYPWSSSTFDAH VHK			Oxidation (M)[6]		Mascot
2429.1819	2429.0942	-0.0877	-36	36	55	QKRPTMYPWSSSTFDAH VHK	1	0	Oxidation (M)[6]		Mascot
3337.5266	3337.6443	0.1177	35	154	180	CHEFTATFFPQPTFCSVC KEFVWGLNK			Carbamidomethyl (C)[1,15,18]		Mascot

6 PREDICTED: calmodulin-regulated spectrin-associated protein 2-like [Danio rerio] gi|326665173 152570 7.7 16 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
848.4736	848.5022	0.0286	34	836	841	QFRELR					Mascot
850.3974	850.5157	0.1183	139	1	8	MGDAAEIK			Oxidation (M)[1]		Mascot
850.3974	850.5157	0.1183	139	1	8	MGDAAEIK			Oxidation (M)[1]		Mascot

	1045.5347	1045.5341	-0.0006	-1	946	954	EKPCKPESK										Mascot
	1075.5378	1075.5333	-0.0045	-4	2	11	GDAAEIKESR										Mascot
	1133.5983	1133.6821	0.0838	74	120	128	LVTERDLCK					Carbamidomethyl (C)[8]					Mascot
	1279.694	1279.7393	0.0453	35	710	720	MGRTAFLNVVR					Oxidation (M)[1]					Mascot
	1337.7212	1337.5823	-0.1389	-104	1277	1287	TEANNFLILFR										Mascot
	1337.7212	1337.5823	-0.1389	-104	1277	1287	TEANNFLILFR										Mascot
	1488.7177	1488.6006	-0.1171	-79	1045	1057	DDLQGEEDIAQKK										Mascot
	1742.9218	1742.7335	-0.1883	-108	902	916	MLNTPQSVDSLPRLR					Oxidation (M)[1]					Mascot
	1759.873	1759.7213	-0.1517	-86	1247	1261	YIIQNALAHCCLAGR					Carbamidomethyl (C)[10,11]					Mascot
	1887.8939	1887.8065	-0.0874	-46	575	593	SCPLPDTSGSPCSLLGTR										Mascot
	2033.8943	2033.9081	0.0138	7	352	369	SSSMSYVDGCVGTWPK EK					Carbamidomethyl (C)[10], Oxidation (M)[4]					Mascot
	2206.1094	2206.0325	-0.0769	-35	1119	1138	QLKLMEDMDSVIKPSPS GAK					Oxidation (M)[5,8]					Mascot
	2306.1008	2306.0542	-0.0466	-20	371	392	SSAHGISFEIPLDDRTSSSSGR										Mascot
	2413.062	2413.0979	0.0359	15	1024	1044	ETETGLGSKPDQKMCCG FFYR					Oxidation (M)[14]					Mascot
	3324.6665	3324.6443	-0.0222	-7	1161	1192	TATGSRPRGYSVSSISLA SLNLADNESIQSDK										Mascot
7	novel protein similar to H.sapiens TTN, titin (TTN) [Danio rerio]					gi 169154823	842970	5.81	41	35	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.4253	801.3248	-0.1005	-125	6540	6546	EAAHFVK					Mascot
842.444	842.4845	0.0405	48	3102	3108	SYKVSMK					Mascot
848.4294	848.5022	0.0728	86	6494	6500	SCEIALR			Carbamidomethyl (C)[2]		Mascot
850.4814	850.5157	0.0343	40	1088	1094	LTSVRMK			Oxidation (M)[6]		Mascot
850.4814	850.5157	0.0343	40	1088	1094	LTSVRMK			Oxidation (M)[6]		Mascot
856.4886	856.4981	0.0095	11	6818	6824	LTLQEPR					Mascot
866.4842	866.5067	0.0225	26	1692	1698	YVVSRR					Mascot
870.4203	870.5145	0.0942	108	6420	6427	LDSGTYK					Mascot
882.4679	882.5367	0.0688	78	2483	2489	YKVSTER					Mascot
996.536	996.5637	0.0277	28	2586	2593	LTITETYR					Mascot
996.536	996.5637	0.0277	28	2586	2593	LTITETYR					Mascot
1002.4713	1002.4149	-0.0564	-56	7274	7281	MYGITDFR					Mascot
1018.4662	1018.4113	-0.0549	-54	7274	7281	MYGITDFR			Oxidation (M)[1]		Mascot
1018.4662	1018.4113	-0.0549	-54	7274	7281	MYGITDFR			Oxidation (M)[1]		Mascot
1045.5347	1045.5341	-0.0006	-1	6656	6665	CQIGGTPEIK					Mascot

8	novel protein [Danio rerio]	gi 169153952	27199.6	6.32	7	34	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.51	848.5022	-0.0078	-9	21	26	LRLQYR					Mascot
1002.5367	1002.4149	-0.1218	-121	99	106	TRDVPWTK					Mascot
1051.6371	1051.6779	0.0408	39	92	100	HNILAVKTR					Mascot
1051.6371	1051.6779	0.0408	39	92	100	HNILAVKTR					Mascot
1075.563	1075.5333	-0.0297	-28	153	161	ETTLQQDIK					Mascot
1279.606	1279.7393	0.1333	104	71	80	TEMQRIESNR			Oxidation (M)[3]		Mascot
2413.0647	2413.0979	0.0332	14	1	20	MEKANEQADMLFIESEPE NR			Oxidation (M)[1,10]		Mascot
3324.6287	3324.6443	0.0156	5	162	189	TYSHGYEAPIFLTSMET LNFTSPYWKK					Mascot

9

PREDICTED: macrophage-stimulating protein receptor
[Danio rerio]

gi|292619047

154062

6.02

15

34

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
838.4451	838.5093	0.0642	77	737	743	SRVMTTK			Oxidation (M)[4]		Mascot
856.4345	856.4981	0.0636	74	1090	1096	EIHCAVK			Carbamidomethyl (C)[4]		Mascot
866.4366	866.5067	0.0701	81	774	780	NLDSVYR					Mascot
882.4138	882.5367	0.1229	139	1206	1213	VADFGMAR			Oxidation (M)[6]		Mascot
996.4744	996.5637	0.0893	90	142	151	ENGPPGPSK					Mascot
996.4897	996.5637	0.074	74	978	985	LSYFSHSR					Mascot
1018.4808	1018.4113	-0.0695	-68	608	616	SNCTHLLCK	3	0			Mascot
1018.4808	1018.4113	-0.0695	-68	608	616	SNCTHLLCK					Mascot
1062.5248	1062.6591	0.1343	126	896	904	VLDNEITCR					Mascot
1075.5023	1075.5333	0.031	29	608	616	SNCTHLLCK			Carbamidomethyl (C)[3]		Mascot
1334.6774	1334.8551	0.1777	133	1235	1245	WMAIESLQTQK					Mascot
1359.5919	1359.5717	-0.0202	-15	1195	1205	NCMLDESYTVK			Carbamidomethyl (C)[2]		Mascot
2011.7377	2011.9376	0.1999	99	527	544	FMGCGWCSGQCTWASE CR					Mascot
2011.7377	2011.9376	0.1999	99	527	544	FMGCGWCSGQCTWASE CR					Mascot
2230.0222	2230.1057	0.0835	37	874	895	LNLVSSCMSITMTVGDDV CGGK					Mascot
2299.1499	2299.1008	-0.0491	-21	204	223	MSISVRRPVATEDGFYTD VR					Mascot
2348.2432	2348.1743	-0.0689	-29	781	800	TVVYFKPKESHLPVSTE CR					Mascot
2413.3118	2413.0979	-0.2139	-89	710	731	GNLSSIVCLSQPVTEVKD VVLR			Carbamidomethyl (C)[8]		Mascot

10 novel protein similar to BCL2-related ovarian killer (bok, gi|169154887 zgc:64041) [Danio rerio] 24238.7 7.71 7 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5134	842.4845	-0.0289	-34	164	170	SLVPWLK					Mascot
850.4668	850.5157	0.0489	57	29	35	ELVFQSK					Mascot
850.4668	850.5157	0.0489	57	29	35	ELVFQSK					Mascot
868.3981	868.5161	0.118	136	3	9	DMNVFAR			Oxidation (M)[2]		Mascot
996.4236	996.5637	0.1401	141	181	188	CVVNMDSR			Carbamidomethyl (C)[1], Oxidation (M)[5]		Mascot
996.4236	996.5637	0.1401	141	181	188	CVVNMDSR			Carbamidomethyl (C)[1], Oxidation (M)[5]		Mascot
1018.5277	1018.4113	-0.1164	-114	207	214	TMVYVLTk					Mascot
1018.5277	1018.4113	-0.1164	-114	207	214	TMVYVLTk					Mascot
1759.8142	1759.7213	-0.0929	-53	77	90	LGDELECMRPVYR			Oxidation (M)[8]		Mascot
2194.1919	2194.0217	-0.1702	-78	189	206	AHVHWLSTAVLTWREFIK					Mascot

11 PREDICTED: calmodulin-regulated spectrin-associated protein 2-like [Danio rerio] gi|326664590 145854.8 8.53 15 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4529	850.5157	0.0628	74	467	473	VVHNEPR					Mascot
850.4529	850.5157	0.0628	74	467	473	VVHNEPR					Mascot
868.3981	868.5161	0.118	136	549	555	MTNFAER					Mascot
870.5519	870.5145	-0.0374	-43	1012	1018	RALLER					Mascot
1062.5691	1062.6591	0.09	85	776	785	SPATPPHLSR					Mascot
1133.587	1133.6821	0.0951	84	1227	1235	NKIIEMEKE					Mascot
1279.6133	1279.7393	0.126	98	1215	1226	CCLAGKVNESQK					Mascot
1448.691	1448.8754	0.1844	127	733	743	DMQRLTEQQQR			Oxidation (M)[2]		Mascot
1677.8589	1677.8413	-0.0176	-10	723	736	LSSTLETLRQDMQR					Mascot
2012.1077	2011.9376	-0.1701	-85	767	785	AWIIPSGPKSPATPPHLSR					Mascot
2012.1077	2011.9376	-0.1701	-85	767	785	AWIIPSGPKSPATPPHLSR					Mascot
2194.0994	2194.0217	-0.0777	-35	2	22	AMDAPAVKQSAPVPDICPLDR					Mascot
2237.1636	2237.0339	-0.1297	-58	1301	1320	TLSMSVDAFTIPGQLWNTKK					Mascot
2271.1074	2270.9895	-0.1179	-52	10	29	QSAPVPDICPLDRYEPSQAK			Carbamidomethyl (C)[9]		Mascot
2299.1162	2299.1008	-0.0154	-7	992	1011	LGLDVFFKEEGLSEEEMA					Mascot

	2314.1609	2314.1025	-0.0584	-25	1254	1274	QK AIYTLDGQSEELHRLCGV GPR										Mascot
	3337.615	3337.6443	0.0293	9	32	63	ASLSWLLSRSGPEESVS SAVCADGSVCVSLQR	Carbamidomethyl (C)[21]									Mascot
12	KIAA0650-like protein [Danio rerio]				gi 57164644		131026.7	7.89	14	33	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.5508	850.5157	-0.0351	-41	906	913	VAHLALVK					Mascot
850.5508	850.5157	-0.0351	-41	906	913	VAHLALVK					Mascot
866.4002	866.5067	0.1065	123	261	267	LYDEGNR					Mascot
870.4977	870.5145	0.0168	19	87	93	MHTVKVR					Mascot
996.5359	996.5637	0.0278	28	1	9	TSFSIKEGK					Mascot
996.5359	996.5637	0.0278	28	1	9	TSFSIKEGK					Mascot
1051.6398	1051.6779	0.0381	36	696	704	TLLYSLTLK					Mascot
1051.6398	1051.6779	0.0381	36	696	704	TLLYSLTLK					Mascot
1062.54	1062.6591	0.1191	112	889	897	KCTVPDPFR					Mascot
1069.6477	1069.6053	-0.0424	-40	213	221	QLRVLPSTR					Mascot
1133.5256	1133.6821	0.1565	138	1140	1149	TPEQMSDAVR					Mascot
1165.5782	1165.7096	0.1314	113	1047	1057	CNGKFGGLQNK					Mascot
1165.5782	1165.7096	0.1314	113	1047	1057	CNGKFGGLQNK					Mascot
1279.6827	1279.7393	0.0566	44	419	428	ELSFQLQRMK					Mascot
1487.7522	1487.6096	-0.1426	-96	602	617	GLASGSCPPAAATLK			Carbamidomethyl (C)[7]		Mascot
2237.2078	2237.0339	-0.1739	-78	15	35	IGQVSPVHVGVFVSPL DFR					Mascot
2306.1519	2306.0542	-0.0977	-42	581	601	SEEGSAVKNICPANLSML LWK			Oxidation (M)[17]		Mascot
2314.1772	2314.1025	-0.0747	-32	1121	1139	QELEEQEVELQEIEKTLA R					Mascot

13	PREDICTED: tudor domain-containing protein 6-like [Danio rerio]				gi 326677195		175311.1	5.97	16	32	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.4472	848.5022	0.055	65	438	445	SPSSQKSK					Mascot
850.4668	850.5157	0.0489	57	264	270	VFSQELK					Mascot
850.4668	850.5157	0.0489	57	264	270	VFSQELK					Mascot
866.4803	866.5067	0.0264	30	1376	1382	VICTFVK			Carbamidomethyl (C)[3]		Mascot
996.5407	996.5637	0.023	23	591	599	CSLHGVKPR					Mascot

	996.5407	996.5637	0.023	23	591	599	CSLHGVKPR			Mascot
	1062.5109	1062.6591	0.1482	139	1268	1276	LNADQSRRCR			Mascot
	1334.7137	1334.8551	0.1414	106	168	178	TFLLDIPCLSR	Carbamidomethyl (C)[8]		Mascot
	1359.73	1359.5717	-0.1583	-116	1392	1404	LDVNGVVGLGSVCK	Carbamidomethyl (C)[12]		Mascot
	1487.7642	1487.6096	-0.1546	-104	538	550	AQDGVFYRAAVYK			Mascot
	1677.8304	1677.8413	0.0109	6	188	200	KLYSDQFMEFVVR	Oxidation (M)[8]		Mascot
	1742.8029	1742.7335	-0.0694	-40	1449	1462	GPQLFWCQYVAMDK	Carbamidomethyl (C)[7]		Mascot
	1758.7979	1758.7297	-0.0682	-39	1449	1462	GPQLFWCQYVAMDK	Carbamidomethyl (C)[7], Oxidation (M)[12]		Mascot
	1759.7877	1759.7213	-0.0664	-38	422	437	CSLDSDMTLADFAVQK	Oxidation (M)[7]		Mascot
	1887.9528	1887.8065	-0.1463	-77	734	749	ARNAACLEVLMQDIQR	Carbamidomethyl (C)[6]		Mascot
	2233.1128	2233.0164	-0.0964	-43	1463	1482	LQEISDMLQNIGNASETT LR			Mascot
	2249.1079	2248.9939	-0.114	-51	1463	1482	LQEISDMLQNIGNASETT LR	Oxidation (M)[7]		Mascot
	2413.1104	2413.0979	-0.0125	-5	973	992	CPQTFTGTVCFAKYTDGL WYR	Carbamidomethyl (C)[1]		Mascot
	2429.2493	2429.0942	-0.1551	-64	310	331	SVLQQVMSANNVEVLH VDYGK			Mascot
	2429.2493	2429.0942	-0.1551	-64	310	331	SVLQQVMSANNVEVLH VDYGK			Mascot
	2451.2361	2451.0718	-0.1643	-67	628	649	QQDTHIVQLVDPPLDGEK DVSK			Mascot
14	kelch-like protein 31 [Danio rerio]				gi 51230529	70760.3	6.35	10	31	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.493	996.5637	0.0707	71	190	197	EEAQKFMR			Oxidation (M)[7]		Mascot
996.493	996.5637	0.0707	71	190	197	EEAQKFMR			Oxidation (M)[7]		Mascot
1002.4205	1002.4149	-0.0056	-6	159	166	MCSDFLMR					Mascot
1018.4155	1018.4113	-0.0042	-4	159	166	MCSDFLMR			Oxidation (M)[1]		Mascot
1018.4155	1018.4113	-0.0042	-4	159	166	MCSDFLMR			Oxidation (M)[1]		Mascot
1075.4369	1075.5333	0.0964	90	159	166	MCSDFLMR			Carbamidomethyl (C)[2], Oxidation (M)[1]		Mascot
1448.7029	1448.8754	0.1725	119	385	396	HAVSNFSRYDPR					Mascot
1758.7275	1758.7297	0.0022	1	483	497	AVCSYDPSTDSWQDK			Carbamidomethyl (C)[3]		Mascot
1759.8176	1759.7213	-0.0963	-55	90	104	VVMASCSEYIQNMLR			Oxidation (M)[3]		Mascot
1887.9125	1887.8065	-0.106	-56	90	105	VVMASCSEYIQNMLRK			Oxidation (M)[3]		Mascot
2225.0405	2225.0488	0.0083	4	195	211	FMRENFIEFSEMEQFLK					Mascot
2225.0405	2225.0488	0.0083	4	195	211	FMRENFIEFSEMEQFLK					Mascot
2297.2275	2297.1055	-0.122	-53	112	133	IELSDLSPVGLATVITYAYSGK					Mascot
2306.0679	2306.0542	-0.0137	-6	167	186	ETSVENCMYVVNIADTYN					Mascot

	3337.4553	3337.6443	0.189	57	159	186	LK MCSDFLMRETSVENCMY VVNIADTYNLK				Oxidation (M)[1,7,16]		Mascot	
15	PREDICTED: glutamate receptor, ionotropic kainate 5-like [Danio rerio]					gi 326674732		39290.4	5.78	8	31	0		
Peptide Information														
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	%	Modification	Rank Result Type	
	864.4243	864.4935	0.0692	80	339	345 ELLCSSR						Carbamidomethyl (C)[4]	Mascot	
	1069.6476	1069.6053	-0.0423	-40	52	61 GERLALALAR							Mascot	
	1320.614	1320.5322	-0.0818	-62	243	254 ASELGMTSAFYK						Oxidation (M)[6]	Mascot	
	1334.7791	1334.8551	0.076	57	194	204 FLISRETLSIR							Mascot	
	1337.6188	1337.5823	-0.0365	-27	39	51 MAAILDDSSVCGR							Mascot	
	1337.6188	1337.5823	-0.0365	-27	39	51 MAAILDDSSVCGR							Mascot	
	1359.6613	1359.5717	-0.0896	-66	168	180 SFSYPSASLVCAK							Mascot	
	1448.709	1448.8754	0.1664	115	242	254 KASELGMTSAFYK						Oxidation (M)[7]	Mascot	
	2314.2085	2314.1025	-0.106	-46	276	295 LVNDDHLHPNCTVKNKIVV QR							Mascot	
16	lipid phosphate phosphatase-related protein type 3b [Danio rerio]					gi 315468535		92766.3	7.91	8	31	0	18	0
Peptide Information														
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	%	Modification	Rank Result Type	
	842.4617	842.4845	0.0228	27	406	413 VGEEPAIK							Mascot	
	996.4423	996.5637	0.1214	122	793	800 CGCVTMLR						Carbamidomethyl (C)[1,3]	Mascot	
	996.4423	996.5637	0.1214	122	793	800 CGCVTMLR						Carbamidomethyl (C)[1,3]	Mascot	
	1018.5098	1018.4113	-0.0985	-97	258	265 CTTDPLRR		18	0			Carbamidomethyl (C)[1]	Mascot	
	1018.5098	1018.4113	-0.0985	-97	258	265 CTTDPLRR						Carbamidomethyl (C)[1]	Mascot	
	1075.5718	1075.5333	-0.0385	-36	324	331 QPMTLKWR						Oxidation (M)[3]	Mascot	
	1448.729	1448.8754	0.1464	101	815	826 WIKNCLCGGLWR							Mascot	
	1887.9052	1887.8065	-0.0987	-52	776	792 CLHLGISPTEDSKACTR						Carbamidomethyl (C)[1]	Mascot	
	2211.0732	2211.0334	-0.0398	-18	13	31 RPKSNHCPSIPLVCAWS CR						Carbamidomethyl (C)[7]	Mascot	
	2237.1304	2237.0339	-0.0965	-43	246	264 IDTELLPSLFMRCTTDPL R						Oxidation (M)[11]	Mascot	
17	novel protein [Danio rerio]					gi 126632583		6089.9	8.37	5	31	0		
Peptide Information														
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.			Ion Score	C. I.	%	Modification	Rank Result Type	

	1165.5895	1165.7096	0.1201	103	10	18	CLRVNYGQR		Carbamidomethyl (C)[1]	Mascot
	1165.5895	1165.7096	0.1201	103	10	18	CLRVNYGQR		Carbamidomethyl (C)[1]	Mascot
	1759.8362	1759.7213	-0.1149	-65	37	51	RVSSCMYLPTCAIMK		Carbamidomethyl (C)[5]	Mascot
	1989.9517	1990.0033	0.0516	26	38	54	VSSCMYLPTCAIMKVT		Carbamidomethyl (C)[4,10], Oxidation (M)[5]	Mascot
	2011.8848	2011.9376	0.0528	26	19	36	CANDCPDVLYNTAEQSL R			Mascot
	2011.8848	2011.9376	0.0528	26	19	36	CANDCPDVLYNTAEQSL R			Mascot
	2225.0073	2225.0488	0.0415	19	19	37	CANDCPDVLYNTAEQSL RR		Carbamidomethyl (C)[1]	Mascot
	2225.0073	2225.0488	0.0415	19	19	37	CANDCPDVLYNTAEQSL RR		Carbamidomethyl (C)[1]	Mascot

18 PREDICTED: hypothetical protein LOC100537298 [Danio rerio] gi|326667816 6120 8.38 5 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1165.5895	1165.7096	0.1201	103	10	18	CLRVNYGQR			Carbamidomethyl (C)[1]		Mascot
1165.5895	1165.7096	0.1201	103	10	18	CLRVNYGQR			Carbamidomethyl (C)[1]		Mascot
1759.8838	1759.7213	-0.1625	-92	37	51	RVLSCMHLPTCAIMK			Carbamidomethyl (C)[5]		Mascot
1989.9993	1990.0033	0.004	2	38	54	VLSCMHLPTCAIMKVT			Carbamidomethyl (C)[4,10], Oxidation (M)[5]		Mascot
2011.8848	2011.9376	0.0528	26	19	36	CANDCPDVLYNTAEQSL R					Mascot
2011.8848	2011.9376	0.0528	26	19	36	CANDCPDVLYNTAEQSL R					Mascot
2225.0073	2225.0488	0.0415	19	19	37	CANDCPDVLYNTAEQSL RR			Carbamidomethyl (C)[1]		Mascot
2225.0073	2225.0488	0.0415	19	19	37	CANDCPDVLYNTAEQSL RR			Carbamidomethyl (C)[1]		Mascot

19 hydroxymethylbilane synthase [Danio rerio] gi|123210216 27156.3 6.33 6 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.477	848.5022	0.0252	30	21	27	VIRMGTR			Oxidation (M)[4]		Mascot
1075.6218	1075.5333	-0.0885	-82	142	151	SVIGTSSLRR					Mascot
1448.7644	1448.8754	0.111	77	158	168	RFPQLEFENIR					Mascot
1990.0426	1990.0033	-0.0393	-20	231	247	DILEMVSVLHHPDTVLR			Oxidation (M)[5]		Mascot
2011.8807	2011.9376	0.0569	28	2	20	MEMSGNDTISQEGNGKA SR					Mascot
2011.8807	2011.9376	0.0569	28	2	20	MEMSGNDTISQEGNGKA SR					Mascot
3324.5808	3324.6443	0.0635	19	197	226	MGWESRISQVLGPEDCM YAVGQGALAVEVR			Carbamidomethyl (C)[16], Oxidation (M)[1]		Mascot

20 PREDICTED: melanoma inhibitory activity protein 3 gi|326677389 89000.9 6.13 11 30 0

[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
866.3859	866.5067	0.1208	139	321	327	QMMDVSR					Mascot
868.441	868.5161	0.0751	86	80	86	SYQLTEK					Mascot
1018.5363	1018.4113	-0.125	-123	519	526	HMPPPQRR					Mascot
1018.5363	1018.4113	-0.125	-123	519	526	HMPPPQRR					Mascot
1069.5524	1069.6053	0.0529	49	262	270	ELEDSLCHK					Mascot
1092.5605	1092.5529	-0.0076	-7	106	114	ITELNDMIK			Oxidation (M)[7]		Mascot
1359.7478	1359.5717	-0.1761	-130	328	339	IKATLSVVEDER					Mascot
1488.657	1488.6006	-0.0564	-38	363	374	VMHDQMNLNNEK			Oxidation (M)[2]		Mascot
1677.7748	1677.8413	0.0665	40	441	453	IKDIEEEMQQNER			Oxidation (M)[8]		Mascot
1758.8783	1758.7297	-0.1486	-84	560	575	RGEPLGPRPPSDPHGR					Mascot
2033.9961	2033.9081	-0.088	-43	501	518	ISDMEQSLFKLNSGPPDR					Mascot
2230.1768	2230.1057	-0.0711	-32	713	733	GPPLGPPLGQRDVPPDF FAPR					Mascot

21 protein kinase C, theta [Danio rerio] gi|269315875 81814.9 8.06 13 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4781	850.5157	0.0376	44	42	48	GQVYKQK					Mascot
850.4781	850.5157	0.0376	44	42	48	GQVYKQK					Mascot
856.5362	856.4981	-0.0381	-44	628	635	LGKGNIR					Mascot
866.4036	866.5067	0.1031	119	209	217	CTGSAVNSK					Mascot
1045.5459	1045.5341	-0.0118	-11	277	286	VANLCGVNQK					Mascot
1069.5571	1069.6053	0.0482	45	192	200	QCNAAIHKK			Carbamidomethyl (C)[2]		Mascot
1334.7096	1334.8551	0.1455	109	205	217	VIAKCTGSAVNSK			Carbamidomethyl (C)[5]		Mascot
1359.5238	1359.5717	0.0479	35	262	272	CEECGMNVHHK			Carbamidomethyl (C)[1], Oxidation (M)[6]		Mascot
1759.7131	1759.7213	0.0082	5	262	275	CEECGMNVHHKCQK			Carbamidomethyl (C)[1,4]		Mascot
2237.1013	2237.0339	-0.0674	-30	287	306	LMAEALAMIESTQQQAR SSR			Oxidation (M)[2]		Mascot
2284.0989	2284.0989	0	0	542	561	TCTFCGTPDYIAPEILLGQ K			Carbamidomethyl (C)[2,5]		Mascot
2348.1624	2348.1743	0.0119	5	513	533	LDNILLDTDGHIKIADFGM CK			Oxidation (M)[19]		Mascot
2413.187	2413.0979	-0.0891	-37	47	66	QKRPTMYPPWSSTFDAH VHK					Mascot
2429.1819	2429.0942	-0.0877	-36	47	66	QKRPTMYPPWSSTFDAH VHK			Oxidation (M)[6]		Mascot

	2429.1819	2429.0942	-0.0877	-36	47	66	QKRPTMYPPWSSTFDAH VHK	1	0	Oxidation (M)[6]	Mascot
	3337.5266	3337.6443	0.1177	35	159	185	CHEFTATFFPQPTFC SVC KEFWGLNK			Carbamidomethyl (C)[1,15,18]	Mascot
22	regulator of G-protein signaling 18 [Danio rerio]				gi 116268007		23936.1	8.83	7	30	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
866.3937	866.5067	0.113	130	163	168	RDCYPR			Carbamidomethyl (C)[3]		Mascot
870.4791	870.5145	0.0354	41	14	20	ETHLRSK					Mascot
1002.5149	1002.4149	-0.1	-100	182	190	SGPPTMTRR					Mascot
1018.5098	1018.4113	-0.0985	-97	181	189	RSGPPTMTR			Oxidation (M)[7]		Mascot
1018.5098	1018.4113	-0.0985	-97	182	190	SGPPTMTRR			Oxidation (M)[6]		Mascot
1337.5936	1337.5823	-0.0113	-8	1	11	MRSEDEQLACR					Mascot
1337.5936	1337.5823	-0.0113	-8	1	11	MRSEDEQLACR					Mascot
2236.9744	2237.0339	0.0595	27	83	100	TEFSEENIEFWLACEDFK					Mascot
2299.1499	2299.1008	-0.0491	-21	136	156	AAIEKNILQPTNSCFDAA QHK					Mascot

23	peptidyl-prolyl cis-trans isomerase FKBP10 [Danio rerio]				gi 255069762		68984.1	5.77	9	30	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.4101	801.3248	-0.0853	-106	573	579	DPDSVIR					Mascot
842.4188	842.4845	0.0657	78	307	313	LPEPCAR			Carbamidomethyl (C)[5]		Mascot
864.4573	864.4935	0.0362	42	315	322	SVAGDFIR					Mascot
1018.5349	1018.4113	-0.1236	-121	192	200	VISTPKDCR	2	0			Mascot
1018.5349	1018.4113	-0.1236	-121	192	200	VISTPKDCR					Mascot
1045.5775	1045.5341	-0.0434	-42	298	306	DDIIVETLK					Mascot
1062.5314	1062.6591	0.1277	120	600	608	LKVEDSEK					Mascot
1069.4731	1069.6053	0.1322	124	580	587	DMFKNQDR			Oxidation (M)[2]		Mascot
1075.5564	1075.5333	-0.0231	-21	192	200	VISTPKDCR			Carbamidomethyl (C)[8]		Mascot
1334.6667	1334.8551	0.1884	141	137	147	GILGMCINERR			Carbamidomethyl (C)[6], Oxidation (M)[5]		Mascot
2297.3228	2297.1055	-0.2173	-95	497	518	GAGIVPGSAVLRFELELL SLQK					Mascot

24	S-adenosylhomocysteine hydrolase-like protein variant 1 [Danio rerio]				gi 51980240		61366.5	6.58	10	30	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	842.3712	842.4845	0.1133	135	125	132	GSSDFCVK						Mascot
	868.4926	868.5161	0.0235	27	265	271	YPSVFKK						Mascot
	870.5406	870.5145	-0.0261	-30	458	465	VILLAEGR						Mascot
	1062.5691	1062.6591	0.09	85	133	141	NIKQAEFGR						Mascot
	1069.6	1069.6053	0.0053	5	161	171	AQGEKPLAGAK						Mascot
	1092.532	1092.5529	0.0209	19	64	72	IQFANQEDK						Mascot
	1542.7217	1542.786	0.0643	42	119	132	SQVNSKGSSDFCVK			Carbamidomethyl (C)[12]			Mascot
	1758.8214	1758.7297	-0.0917	-52	22	37	ESENVAEKYSAMTATK						Mascot
	1990.0273	1990.0033	-0.024	-12	142	158	REIEIAEQDMSALISLR			Oxidation (M)[10]			Mascot
	2233.0159	2233.0164	0.0005	0	414	434	NGCIVCNMGHSNTEIDVA SLR						Mascot
	2249.0107	2248.9939	-0.0168	-7	414	434	NGCIVCNMGHSNTEIDVA SLR			Oxidation (M)[8]			Mascot
	2306.0322	2306.0542	0.022	10	414	434	NGCIVCNMGHSNTEIDVA SLR			Carbamidomethyl (C)[3], Oxidation (M)[8]			Mascot

25 novel protein [Danio rerio] gi|123230020 20555.4 8.96 6 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4468	882.5367	0.0899	102	4	10	FIGDFQR					Mascot
1002.5214	1002.4149	-0.1065	-106	41	50	AGTDIDAAIR					Mascot
1075.5176	1075.5333	0.0157	15	155	162	THILWMCR			Oxidation (M)[6]		Mascot
2348.2029	2348.1743	-0.0286	-12	21	40	EVTILEQCQGFILYFCLITSR					Mascot
2451.0535	2451.0718	0.0183	7	155	173	THILWMCRLFQTTSCCFC S			Carbamidomethyl (C)[7,15,16]		Mascot
3324.5188	3324.6443	0.1255	38	86	113	ENTYLVDFLFNEDEGFM NCQKNIDAINK					Mascot

26 hypothetical protein LOC100136848 [Danio rerio] gi|167621498 26727.6 8.2 6 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
868.4999	868.5161	0.0162	19	221	227	QNKHITK					Mascot
1092.5718	1092.5529	-0.0189	-17	1	10	MAQTSLQGGK			Oxidation (M)[1]		Mascot
1487.7852	1487.6096	-0.1756	-118	55	70	SSSWGVLVGGPGSGK					Mascot
2034.0323	2033.9081	-0.1242	-61	116	133	GLVAQICRSGLVPDYEEK			Carbamidomethyl (C)[7]		Mascot
2306.1624	2306.0542	-0.1082	-47	30	54	TSSLAPGAQEPIQPTAG PPSGAGK					Mascot
2451.2119	2451.0718	-0.1401	-57	102	123	AEDAETLCVSGFVRGLV AQICR			Carbamidomethyl (C)[8,21]		Mascot

27 suppressor of hairless 2 [Danio rerio] gi|89077591 54452.2 8.28 8 30 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.3963	801.3248	-0.0715	-89	273	278	CAFYLK			Carbamidomethyl (C)[1]		Mascot
848.4042	848.5022	0.098	116	71	76	REQMER					Mascot
850.4529	850.5157	0.0628	74	25	30	NYLRER					Mascot
850.4529	850.5157	0.0628	74	25	30	NYLRER					Mascot
864.3992	864.4935	0.0943	109	71	76	REQMER			Oxidation (M)[4]		Mascot
1092.5354	1092.5529	0.0175	16	163	173	NADLCIASGTK					Mascot
1742.791	1742.7335	-0.0575	-33	384	399	CGESMLCVVPDISAFR			Oxidation (M)[5]		Mascot
2249.0754	2248.9939	-0.0815	-36	303	322	EPNKEMINDGASWTIIST DK					Mascot
2255.0405	2254.9973	-0.0432	-19	384	403	CGESMLCVVPDISAFRE GWR					Mascot
2271.0354	2270.9895	-0.0459	-20	384	403	CGESMLCVVPDISAFRE GWR			Oxidation (M)[5]		Mascot
3499.5046	3499.7527	0.2481	71	77	107	DGCSEQESQPCAFIGN SEQEMQLNLEGG			Carbamidomethyl (C)[3,11], Oxidation (M)[23]		Mascot

28 S-adenosylhomocysteine hydrolase-like 1 [Danio rerio] gi|169146249 57466.4 6.88 10 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.3712	842.4845	0.1133	135	86	93	GSSDFCVK					Mascot
868.4926	868.5161	0.0235	27	226	232	YPSVFKK					Mascot
870.5406	870.5145	-0.0261	-30	419	426	VILLAEGR					Mascot
1062.5691	1062.6591	0.09	85	94	102	NIKQAEFGR					Mascot
1069.6	1069.6053	0.0053	5	122	132	AQGEKPLAGAK					Mascot
1092.532	1092.5529	0.0209	19	25	33	IQFANQEDK					Mascot
1542.7217	1542.786	0.0643	42	80	93	SQVNSKGSSDFCVK			Carbamidomethyl (C)[12]		Mascot
1990.0273	1990.0033	-0.024	-12	103	119	REIEIAEQDMSALISLR			Oxidation (M)[10]		Mascot
2233.0159	2233.0164	0.0005	0	375	395	NGCIVCNMGHSNTEIDVA SLR					Mascot
2249.0107	2248.9939	-0.0168	-7	375	395	NGCIVCNMGHSNTEIDVA SLR			Oxidation (M)[8]		Mascot
2306.0322	2306.0542	0.022	10	375	395	NGCIVCNMGHSNTEIDVA SLR			Carbamidomethyl (C)[3], Oxidation (M)[8]		Mascot
3499.6333	3499.7527	0.1194	34	310	341	GCCSALKALGAIVCVTEI DPICALQACMDGFR			Carbamidomethyl (C)[2,3,14,22]		Mascot

29 mannose receptor C1-like protein [Danio rerio] gi|225542767 125553.6 6.53 14 29 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
866.4406	866.5067	0.0661	76	674	680	FLWTDGK					Mascot
1320.5095	1320.5322	0.0227	17	140	149	WADHACEMER			Carbamidomethyl (C)[6], Oxidation (M)[8]		Mascot
1359.615	1359.5717	-0.0433	-32	339	348	TWFEARDFCK			Carbamidomethyl (C)[9]		Mascot
1488.6835	1488.6006	-0.0829	-56	49	60	KMWNDALAACHR			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
1742.7771	1742.7335	-0.0436	-25	728	741	VQMGDQGGFICKR			Carbamidomethyl (C)[4,12], Oxidation (M)[3]		Mascot
2211.0032	2211.0334	0.0302	14	565	583	SMGFWDINCGVPLPSIC K			Carbamidomethyl (C)[10,18], Oxidation (M)[2]		Mascot
2237.0664	2237.0339	-0.0325	-15	565	584	SMGFWDINCGVPLPSIC KR					Mascot
2247.9841	2248.0232	0.0391	17	722	740	MTGMWKVQMGDQGG FICK			Carbamidomethyl (C)[10]		Mascot
2248.9888	2248.9939	0.0051	2	179	197	YGSYCYMSAIESKTFNEA K			Carbamidomethyl (C)[5]		Mascot
2255.0107	2254.9973	-0.0134	-6	429	447	DCEAYNDWICQIAIGTTP K			Carbamidomethyl (C)[2,10]		Mascot
2314.0513	2314.1025	0.0512	22	267	288	GCVAMLTGTSAGLWDVL DCNSK			Carbamidomethyl (C)[2], Oxidation (M)[5]		Mascot
2413.0508	2413.0979	0.0471	20	702	721	MYEFGSENYDCVVMLRS PEK			Oxidation (M)[1]		Mascot
2429.0457	2429.0942	0.0485	20	702	721	MYEFGSENYDCVVMLRS PEK			Oxidation (M)[1,14]		Mascot
2429.2241	2429.0942	-0.1299	-53	156	178	KSSSKPEGAPEVVS LGC QAGWVR			Carbamidomethyl (C)[17]		Mascot
2451.1931	2451.0718	-0.1213	-49	192	213	TFNEAKQICEQTGANLVD VASR			Carbamidomethyl (C)[9]		Mascot

30

PREDICTED: macrophage-stimulating protein receptor-like [Danio rerio]

gi|189520374

146849.2

5.92

14

28

0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
866.4188	866.5067	0.0879	101	1168	1175	VADFGMAR					Mascot
868.5111	868.5161	0.005	6	175	181	HLSLIRR					Mascot
882.4138	882.5367	0.1229	139	1168	1175	VADFGMAR			Oxidation (M)[6]		Mascot
1051.6622	1051.6779	0.0157	15	868	876	IPKNLTIPR					Mascot
1051.6622	1051.6779	0.0157	15	868	876	IPKNLTIPR					Mascot
1062.5248	1062.6591	0.1343	126	859	867	VLDNEITCR					Mascot
1069.5347	1069.6053	0.0706	66	1139	1147	GMEYLANKK			Oxidation (M)[2]		Mascot
1334.6774	1334.8551	0.1777	133	1197	1207	WMALES LQTQK					Mascot
1359.5919	1359.5717	-0.0202	-15	1157	1167	NCMLDESFTVK			Carbamidomethyl (C)[2], Oxidation (M)[3]		Mascot
1542.8022	1542.786	-0.0162	-11	181	193	RLLNTENG FHDVK					Mascot
1758.8704	1758.7297	-0.1407	-80	717	732	VNPEVTGVNPNCGFRR					Mascot
1759.7518	1759.7213	-0.0305	-17	948	962	TTAENYDRSPDGDYR					Mascot

2194.0842	2194.0217	-0.0625	-28	566	586	VGNSDCTVVPKTSSSL		Mascot
2297.1008	2297.1055	0.0047	2	837	858	LALVSGCMEIIMTVNGVD CNAK	Oxidation (M)[8]	Mascot
2314.1033	2314.1025	-0.0008	0	712	731	TFSYRVNPEVTGVNPNC GFR	Carbamidomethyl (C)[17]	Mascot
3324.6128	3324.6443	0.0315	9	837	867	LALVSGCMEIIMTVNGVD CNAKVLNEITCR		Mascot

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864.4573	864.4935	0.0362	42	154	161	LSEGVGFR			Mascot
870.5407	870.5145	-0.0262	-30	134	141	ALIISPTR			Mascot
1018.4509	1018.4113	-0.0396	-39	492	501	GEAPEVISNC	5	0	Mascot
1018.4509	1018.4113	-0.0396	-39	492	501	GEAPEVISNC			Mascot
1075.4724	1075.5333	0.0609	57	492	501	GEAPEVISNC		Carbamidomethyl (C)[10]	Mascot
1359.7048	1359.5717	-0.1331	-98	100	112	REILACAPTGS GK		Carbamidomethyl (C)[6]	Mascot
1542.8284	1542.786	-0.0424	-27	113	125	TMAFCLPLLAHLR		Carbamidomethyl (C)[5]	Mascot
1888.0109	1887.8065	-0.2044	-108	260	276	WCKLNLNLSVVSIGAR			Mascot
2283.3223	2283.1028	-0.2195	-96	302	321	NLIKQGFLPPVLV FVQSID R			Mascot
2283.3223	2283.1028	-0.2195	-96	302	321	NLIKQGFLPPVLV FVQSID R			Mascot
2297.1604	2297.1055	-0.0549	-24	79	99	AAGFQTPTPIQMQAVPL MMHK			Mascot

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838.4669	838.5093	0.0424	51	1016	1022	ISTFDKK		Mascot
1018.5138	1018.4113	-0.1025	-101	1133	1141	KCHVEAGFK		Mascot
1018.5138	1018.4113	-0.1025	-101	1133	1141	KCHVEAGFK		Mascot
1051.5717	1051.6779	0.1062	101	520	527	YRVVNICK	Carbamidomethyl (C)[7]	Mascot
1051.5717	1051.6779	0.1062	101	520	527	YRVVNICK	Carbamidomethyl (C)[7]	Mascot
1075.5353	1075.5333	-0.002	-2	1133	1141	KCHVEAGFK	Carbamidomethyl (C)[2]	Mascot
1448.6951	1448.8754	0.1803	124	1285	1296	HLLGSYEVCQR	Carbamidomethyl (C)[10]	Mascot
1488.6246	1488.6006	-0.024	-16	1595	1606	DGRWTEFTMCK		Mascot
1542.8022	1542.786	-0.0162	-11	316	330	GWSVGIAADPTGRK		Mascot
1758.8519	1758.7297	-0.1222	-69	255	269	WMTGIYFSGQAEQLK		Mascot

	1887.767	1887.8065	0.0395	21	1726	1741	VIQFGVDCDQDECTCR					Carbamidomethyl (C)[8]	Mascot
	1989.9089	1990.0033	0.0944	47	355	371	YQPDSWTHVVASYDGHK						Mascot
	2011.7831	2011.9376	0.1545	77	1707	1725	AYCQYDGGDCCPSTLSS GK	2	0			Carbamidomethyl (C)[3]	Mascot
	2011.7831	2011.9376	0.1545	77	1707	1725	AYCQYDGGDCCPSTLSS GK					Carbamidomethyl (C)[3]	Mascot
	2033.8691	2033.9081	0.039	19	776	793	ACHDPDPVNDTCGLTQY K					Carbamidomethyl (C)[2]	Mascot
	2248.9961	2248.9939	-0.0022	-1	774	793	SKACHDPDPVNDTCGLT QYK					Carbamidomethyl (C)[4]	Mascot
	2284.168	2284.0989	-0.0691	-30	2	24	GAGKGWVGPGGTQLGNI DTLTER						Mascot
	2299.1428	2299.1008	-0.042	-18	250	269	DVPTKWMGTGIYFSGQAE QLK						Mascot
	2300.1663	2300.1042	-0.0621	-27	522	542	VVNICKDNGSDPSVSLQ QIQR						Mascot
	2306.0176	2306.0542	0.0366	16	774	793	SKACHDPDPVNDTCGLT QYK					Carbamidomethyl (C)[4,14]	Mascot
	2347.9238	2348.1743	0.2505	107	588	607	HCDPECDHPLTGHDGGD CLR					Carbamidomethyl (C)[2,6,18]	Mascot
33	beta-1,3-galactosyltransferase 6 [Danio rerio]				gi 113675498		38567.2	8.52	7	28	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
848.4545	848.5022	0.0477	56	305	311	LCKEEVK					Mascot
1045.4949	1045.5341	0.0392	37	268	275	FDTEYKSR					Mascot
1092.5242	1092.5529	0.0287	26	287	295	QSLEDMLEK					Mascot
1133.6282	1133.6821	0.0539	48	1	9	MNLLRLVCR			Oxidation (M)[1]		Mascot
2230.042	2230.1057	0.0637	29	314	331	LSYIYDWSVPPSQCCQR K			Carbamidomethyl (C)[14]		Mascot
2314.1108	2314.1025	-0.0083	-4	312	330	LRLSYIYDWSVPPSQCC QR					Mascot
3337.6238	3337.6443	0.0205	6	204	232	WKESAWELCDYYLPYAL GGGYVLSADLVR					Mascot

34 caveolin-2 [Danio rerio] gi|50344956 18525.6 5.7 5 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4338	850.5157	0.0819	96	1	7	MGLEKEK			Oxidation (M)[1]		Mascot
850.4338	850.5157	0.0819	96	1	7	MGLEKEK			Oxidation (M)[1]		Mascot
856.5138	856.4981	-0.0157	-18	22	29	SIEPILGK					Mascot
1334.6699	1334.8551	0.1852	139	30	40	KPNVYSEVQDR					Mascot
2033.9563	2033.9081	-0.0482	-24	51	68	VGFEIIAEPNSTHSFDR					Mascot
3499.7644	3499.7527	-0.0117	-3	51	81	VGFEIIAEPNSTHSFDR VWIGSHAVFELVK					Mascot

35 putative adenosylhomocysteinase 2 [Danio rerio] gi|41152036 56739.3 7.42 10 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.3712	842.4845	0.1133	135	83	90	GSSDFCVK					Mascot
868.4926	868.5161	0.0235	27	223	229	YPSVFKK					Mascot
870.5406	870.5145	-0.0261	-30	416	423	VILLAEGR					Mascot
1062.5691	1062.6591	0.09	85	91	99	NIKQAEFGR					Mascot
1069.6	1069.6053	0.0053	5	119	129	AQGEKPLAGAK					Mascot
1092.532	1092.5529	0.0209	19	22	30	IQFANQEDK					Mascot
1542.7217	1542.786	0.0643	42	77	90	SQVNSKGSSDFCVK			Carbamidomethyl (C)[12]		Mascot
1990.0273	1990.0033	-0.024	-12	100	116	REIEIAEQDMSALISLR			Oxidation (M)[10]		Mascot
2233.0159	2233.0164	0.0005	0	372	392	NGCIVCNMGHSNTEIDVA SLR					Mascot
2249.0107	2248.9939	-0.0168	-7	372	392	NGCIVCNMGHSNTEIDVA SLR			Oxidation (M)[8]		Mascot
2306.0322	2306.0542	0.022	10	372	392	NGCIVCNMGHSNTEIDVA SLR			Carbamidomethyl (C)[3], Oxidation (M)[8]		Mascot
3499.6333	3499.7527	0.1194	34	307	338	GCCSALKALGAIVCVTEI DPICALQACMDGFR			Carbamidomethyl (C)[2,3,14,22]		Mascot

36 PREDICTED: tripartite motif-containing protein 59-like [Danio rerio] gi|125836979 39637.8 5.73 8 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.3668	864.4935	0.1267	147	157	162	WEEMNR					Mascot
1045.5636	1045.5341	-0.0295	-28	174	182	SEALVQKDR					Mascot
1165.61	1165.7096	0.0996	85	131	140	IDDLQTAYVK					Mascot
1165.61	1165.7096	0.0996	85	131	140	IDDLQTAYVK					Mascot
1279.6464	1279.7393	0.0929	73	200	209	KEQFMQALER					Mascot
1990.0314	1990.0033	-0.0281	-14	210	226	ANVLLNQAYEPLMEQLK			Oxidation (M)[13]		Mascot
2034.1633	2033.9081	-0.2552	-125	183	200	EVALVFFQGLELTLAQKK					Mascot
2283.0281	2283.1028	0.0747	33	94	113	SPSCPEHPGQPLNVYCV QDR			Carbamidomethyl (C)[4]		Mascot
2283.0281	2283.1028	0.0747	33	94	113	SPSCPEHPGQPLNVYCV QDR			Carbamidomethyl (C)[4]		Mascot
2429.115	2429.0942	-0.0208	-9	298	318	DLRDGPLPEISWHSESC STSR			Carbamidomethyl (C)[17]		Mascot
2429.115	2429.0942	-0.0208	-9	298	318	DLRDGPLPEISWHSESC STSR	0	0	Carbamidomethyl (C)[17]		Mascot

37 CAD protein [Danio rerio] gi|57770415 247044.1 6.19 19 28 0

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.5145	850.5157	0.0012	1	751	757	FLRVSTK					Mascot
850.5145	850.5157	0.0012	1	751	757	FLRVSTK					Mascot
870.4389	870.5145	0.0756	87	1307	1314	AMLSTGFK			Oxidation (M)[2]		Mascot
882.4315	882.5367	0.1052	119	2156	2162	ERFSSEK					Mascot
996.5948	996.5637	-0.0311	-31	1448	1456	QIGQAPRVK					Mascot
996.5948	996.5637	-0.0311	-31	1448	1456	QIGQAPRVK					Mascot
1018.5316	1018.4113	-0.1203	-118	169	177	VFNPEGTVR					Mascot
1018.5349	1018.4113	-0.1236	-121	764	773	SVGEVMAIGR	4	0			Mascot
1133.6287	1133.6821	0.0534	47	2089	2098	HGRTVHSLAR					Mascot
1165.5419	1165.7096	0.1677	144	1982	1992	TSSSFAAAMHR					Mascot
1165.5419	1165.7096	0.1677	144	1982	1992	TSSSFAAAMHR					Mascot
1488.7474	1488.6006	-0.1468	-99	1212	1223	DDQLKVICENVR			Carbamidomethyl (C)[9]		Mascot
1990.0426	1990.0033	-0.0393	-20	169	186	VFNPEGTVRITIDCGIK			Carbamidomethyl (C)[15]		Mascot
2011.8412	2011.9376	0.0964	48	1364	1380	VMAVDWPFEEESDCPNK			Oxidation (M)[2]		Mascot
2011.8412	2011.9376	0.0964	48	1364	1380	VMAVDWPFEEESDCPNK			Oxidation (M)[2]		Mascot
2206.176	2206.0325	-0.1435	-65	1836	1855	VIEAMTPERPRQAAPVDA VR					Mascot
2248.0774	2248.0232	-0.0542	-24	1035	1053	QQCRILGTSPEFIDNAEN R			Carbamidomethyl (C)[3]		Mascot
2254.9631	2254.9973	0.0342	15	1364	1382	VMAVDWPFEEESDCPNK DK			Oxidation (M)[2]		Mascot
2271.0996	2270.9895	-0.1101	-48	2010	2030	GESLVDSVNTMSCYADVI VLR					Mascot
2297.1494	2297.1055	-0.0439	-19	377	396	LMEHLTFPGSPDPNAFV RPR			Oxidation (M)[2]		Mascot
2300.0872	2300.1042	0.017	7	950	969	IGSSVEFDWCAVGCIMEL RK			Carbamidomethyl (C)[10]		Mascot
2314.0994	2314.1025	0.0031	1	2163	2182	EYNACFGQFILTIPHIMTG AK			Carbamidomethyl (C)[5], Oxidation (M)[16]		Mascot
2413.1792	2413.0979	-0.0813	-34	2163	2183	EYNACFGQFILTIPHIMTG AKR			Oxidation (M)[16]		Mascot
38	PHD finger protein 19 [Danio rerio]			gil190570268		63878.7	8.52	9	28	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
864.4937	864.4935	-0.0002	0	244	250	GVEYIKR					Mascot
866.3859	866.5067	0.1208	139	1	7	MLESACR			Carbamidomethyl (C)[6]		Mascot
870.396	870.5145	0.1185	136	205	210	MLQCFR			Carbamidomethyl (C)[4], Oxidation (M)[1]		Mascot
1092.6161	1092.5529	-0.0632	-58	336	345	TRVPPNPPSK					Mascot

	1320.6479	1320.5322	-0.1157	-88	233	243	FYLFICAVCNK						Mascot
	1334.7314	1334.8551	0.1237	93	462	473	LPTSNNYLLATK						Mascot
	2254.981	2254.9973	0.0163	7	97	116	CSVCSDSLDPGNEILIC GK				Carbamidomethyl (C)[1,4,18]		Mascot
	2270.9761	2270.9895	0.0134	6	97	116	CSVCSDSLDPGNEILIC GK				Carbamidomethyl (C)[1,4,18], Oxidation (M)[7]		Mascot
	2300.1345	2300.1042	-0.0303	-13	273	290	KYFELEEIVAFINNNDWR						Mascot
	2314.0688	2314.1025	0.0337	15	1	21	MLESACRDGYLTAGES LEPK				Carbamidomethyl (C)[6]		Mascot
39	PREDICTED: coiled-coil domain-containing protein 36-like [Danio rerio]					gi 68362494	61378.9	7.97	9	28	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.4355	870.5145	0.079	91	94	101	FPSFTSGK					Mascot
1165.5848	1165.7096	0.1248	107	132	140	LQEYLENTR					Mascot
1165.5848	1165.7096	0.1248	107	132	140	LQEYLENTR					Mascot
1320.6576	1320.5322	-0.1254	-95	208	218	ELSSNMLNLQR			Oxidation (M)[6]		Mascot
1337.6439	1337.5823	-0.0616	-46	10	22	EMLSIPSTSGGMK					Mascot
1337.6439	1337.5823	-0.0616	-46	10	22	EMLSIPSTSGGMK					Mascot
1488.7627	1488.6006	-0.1621	-109	156	167	NILVERMDHFSK					Mascot
1542.7806	1542.786	0.0054	4	270	281	LFERFCVMLAEK			Carbamidomethyl (C)[6]		Mascot
1990.0273	1990.0033	-0.024	-12	208	224	ELSSNMLNLQRDLEALK			Oxidation (M)[6]		Mascot
2237.1382	2237.0339	-0.1043	-47	371	388	FVDRPLESEKPMFVREN K			Oxidation (M)[12]		Mascot
2306.1882	2306.0542	-0.134	-58	2	22	KPSVWNIKEMLSIPSTSG GMK			Oxidation (M)[10]		Mascot

40 TAF6 RNA polymerase II, TATA box binding protein
(TBP)-associated factor [Danio rerio] gi|122891283 63624.9 8.9 9 28 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
838.5032	838.5093	0.0061	7	295	301	ITKTFTK					Mascot
850.4385	850.5157	0.0772	91	146	151	MRMKPR			Oxidation (M)[1,3]		Mascot
850.4385	850.5157	0.0772	91	146	151	MRMKPR			Oxidation (M)[1,3]		Mascot
870.5294	870.5145	-0.0149	-17	75	82	VPLDVSLK					Mascot
1165.6464	1165.7096	0.0632	54	298	307	TFTKALLDEK					Mascot
1165.6464	1165.7096	0.0632	54	298	307	TFTKALLDEK					Mascot
2230.1648	2230.1057	-0.0591	-27	179	198	RAEALQSIATDPGLYQML PR					Mascot
2237.1382	2237.0339	-0.1043	-47	148	165	MKPRSTHELSEVQQLYY					Mascot

	2297.207	2297.1055	-0.1015	-44	370	389	K HCASVVAKTRPVPDLVE QYK		Carbamidomethyl (C)[2]		Mascot
	2314.1826	2314.1025	-0.0801	-35	83	104	AHWLSIDGVQPAIPENPP SASK				Mascot
	2451.2913	2451.0718	-0.2195	-90	452	475	VPSSLTLMSTRPGTPTQP SPPATK				Mascot
41	zinc finger protein Eos [Danio rerio]					gi 294489252	53711.7	7.09	10	27	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4791	882.5367	0.0576	65	196	203	DALTGHLR					Mascot
1487.7853	1487.6096	-0.1757	-118	204	217	THSVSSPTVGKPYK					Mascot
1542.7693	1542.786	0.0167	11	417	430	EAMQVVDGEGRPVR					Mascot
1989.9875	1990.0033	0.0158	8	54	71	VELYSDEEAGGAPLVER R					Mascot
2224.8464	2225.0488	0.2024	91	2	22	NADDCNGRSYMSGSGD SSTER			Oxidation (M)[11]		Mascot
2225.0657	2225.0488	-0.0169	-8	303	321	HMLRNISEAPYDLDPND K					Mascot
2248.0527	2248.0232	-0.0295	-13	129	147	CDICGMICIGPNVLMVHK R			Carbamidomethyl (C)[1,4], Oxidation (M)[6,15]		Mascot
2271.0256	2270.9895	-0.0361	-16	176	193	LHSGEKPFKCPFCNYAC R			Carbamidomethyl (C)[10,13,17]		Mascot
2283.0029	2283.1028	0.0999	44	148	167	SHTGERPFQCNCQGFASF TQK			Carbamidomethyl (C)[10]		Mascot
2283.0029	2283.1028	0.0999	44	148	167	SHTGERPFQCNCQGFASF TQK			Carbamidomethyl (C)[10]		Mascot
2412.9084	2413.0979	0.1895	79	1	22	MNADDCNGRSYMSGSG DSSTER			Carbamidomethyl (C)[6], Oxidation (M)[1]		Mascot
2428.9033	2429.0942	0.1909	79	1	22	MNADDCNGRSYMSGSG DSSTER			Carbamidomethyl (C)[6], Oxidation (M)[1,12]		Mascot
2428.9033	2429.0942	0.1909	79	1	22	MNADDCNGRSYMSGSG DSSTER			Carbamidomethyl (C)[6], Oxidation (M)[1,12]		Mascot

42	PREDICTED: mannose receptor, C type 1a [Danio rerio]					gi 292616414	125680.7	6.61	13	27	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
866.4406	866.5067	0.0661	76	675	681	FLWTDGK					Mascot
1320.5095	1320.5322	0.0227	17	141	150	WADHACEMER			Carbamidomethyl (C)[6], Oxidation (M)[8]		Mascot
1488.6835	1488.6006	-0.0829	-56	50	61	KMWNDALAACHR			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
1742.7771	1742.7335	-0.0436	-25	729	742	VQMGDQQGFIK			Carbamidomethyl (C)[4,12], Oxidation (M)[3]		Mascot
2211.0032	2211.0334	0.0302	14	566	584	SMGFWDINCGVPLPSIC K			Carbamidomethyl (C)[10,18], Oxidation (M)[2]		Mascot
2237.0664	2237.0339	-0.0325	-15	566	585	SMGFWDINCGVPLPSIC KR					Mascot
2247.9841	2248.0232	0.0391	17	723	741	MTGMWKVQMGDQQG			Carbamidomethyl (C)[10]		Mascot

	2248.9888	2248.9939	0.0051	2	180	198	FICK YGSYCYMSAIESKTFNEA K		Carbamidomethyl (C)[5]	Mascot	
	2255.0107	2254.9973	-0.0134	-6	430	448	DCEAYNDWICQIAIGTTP K		Carbamidomethyl (C)[2,10]	Mascot	
	2314.0513	2314.1025	0.0512	22	268	289	GCVAMLTGTSAGLWDVL DCNSK		Carbamidomethyl (C)[2], Oxidation (M)[5]	Mascot	
	2413.0508	2413.0979	0.0471	20	703	722	MYEFGSENYDCVVMLRS PEK		Oxidation (M)[1]	Mascot	
	2429.0457	2429.0942	0.0485	20	703	722	MYEFGSENYDCVVMLRS PEK		Oxidation (M)[1,14]	Mascot	
	2429.2241	2429.0942	-0.1299	-53	157	179	KSSSKPEGAPEVVSGLC QAGWVR		Carbamidomethyl (C)[17]	Mascot	
	2451.1931	2451.0718	-0.1213	-49	193	214	TFNEAKQICEQTGANLVD VASR		Carbamidomethyl (C)[9]	Mascot	
43	SH3 domain-binding protein 4-A [Danio rerio]					gi 45387913	104947.5	7.73	12	27	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5822	842.4845	-0.0977	-116	634	640	LIKTVIR					Mascot
850.4338	850.5157	0.0819	96	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
850.4338	850.5157	0.0819	96	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.5145	0.0419	48	1	7	MAHRIR			Oxidation (M)[1]		Mascot
1045.4796	1045.5341	0.0545	52	762	770	AELDSEPER					Mascot
1075.651	1075.5333	-0.1177	-109	446	455	KVTLGLYGPK					Mascot
1359.6111	1359.5717	-0.0394	-29	843	853	QQMEAYEAPHR					Mascot
1888.0612	1887.8065	-0.2547	-135	813	829	LIMDFVLLTTAVEVAPR					Mascot
2034.0609	2033.9081	-0.1528	-75	347	364	CSTVSPVVEIKLSNMEIK			Carbamidomethyl (C)[1]		Mascot
2230.2417	2230.1057	-0.136	-61	813	831	LIMDFVLLTTAVEVAPRW R					Mascot
2284.2368	2284.0989	-0.1379	-60	463	484	TVVAIFGHDCAPKLLVS EVGK					Mascot
2300.0686	2300.1042	0.0356	15	568	587	DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5]		Mascot
3337.6052	3337.6443	0.0391	12	269	298	LARSCHDLESLGQNPWG GQTQPVETNIVCK			Carbamidomethyl (C)[5]		Mascot

44 PREDICTED: WAP, kazal, immunoglobulin, kunitz and NTR domain-containing protein 2-like [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
848.4294	848.5022	0.0728	86	458	464	DEKMGLR					Mascot
864.4243	864.4935	0.0692	80	458	464	DEKMGLR			Oxidation (M)[4]		Mascot
868.4055	868.5161	0.1106	127	421	427	MVPSFCK			Carbamidomethyl (C)[6]		Mascot
882.4138	882.5367	0.1229	139	63	69	YMDIQGR					Mascot

		1092.5718	1092.5529	-0.0189	-17	137	146	GITLTEVTCR											Mascot
		1320.6108	1320.5322	-0.0786	-60	71	83	GPMGMPKGVTC DK											Mascot
		1487.5083	1487.6096	0.1013	68	299	311	APDMDDCGEESMR					Oxidation (M)[4,12]						Mascot
		1542.7151	1542.786	0.0709	46	57	69	SCVAARYMDIQGR					Carbamidomethyl (C)[2], Oxidation (M)[8]						Mascot
		2205.9038	2206.0325	0.1287	58	108	126	CGREPFFT CASDGMTYY NK					Oxidation (M)[14]						Mascot
		2224.9385	2225.0488	0.1103	50	378	397	KCQSFVYGGCGGNENNF ESK					Carbamidomethyl (C)[2]						Mascot
		2224.9385	2225.0488	0.1103	50	378	397	KCQSFVYGGCGGNENNF ESK					Carbamidomethyl (C)[2]						Mascot
45	zinc finger and SCAN domain containing 2-like [Danio rerio]						gil160333132		39573.1	8.67	8	27	0						

	2348.2781	2348.1743	-0.1038	-44	103	123	LLGVPNLYMVETIDSVKL AEK				Oxidation (M)[9]		Mascot
47	podocin [Danio rerio]					gi 93141192	43665.1	6.82	1		13	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1018.5349	1018.4113	-0.1236	-121	1	9	MLPAGTEKR	13	0	Oxidation (M)[1]	3	Mascot

48	novel protein similar to vertebrate periphilin 1 (PPHLN1) [Danio rerio]	gi 55962621	17879.4	7.04	1		13	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1018.4337	1018.4113	-0.0224	-22	63	70	NYHGEDQR	13	0		5	Mascot

49	[Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 1, mitochondrial [Danio rerio]	gi 162139004	58476.7	6.36	1		12	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
2429.2646	2429.0942	-0.1704	-70	499	519	MYRDDITIIVQFNPHVIGG Q	12	0		2	Mascot

50	PREDICTED: coiled-coil domain-containing protein 108 [Danio rerio]	gi 292617478	201573.9	6.25	1		11	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1018.4774	1018.4113	-0.0661	-65	967	974	WTIPADCR	13	0	Carbamidomethyl (C)[7]	4	Mascot

Gel Idx/Pos	264/K16	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	nucleoside diphosphate kinase-Z1 [Danio rerio]	gi 6644111	17282.9	7.77	10	334	100	254	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	838.4087	838.5232	0.1145	137	1	7	MSAKTER							Oxidation (M)[1]		Mascot
	916.4886	916.4656	-0.023	-25	51	57	QHYIDLK									Mascot
	1016.592	1016.5694	-0.0226	-22	20	28	GLMGEIIKR									Mascot
	1032.587	1032.5653	-0.0217	-21	20	28	GLMGEIIKR							Oxidation (M)[3]		Mascot
	1052.4829	1052.4591	-0.0238	-23	107	115	GDFCIEVGR							Carbamidomethyl (C)[4]		Mascot
	1052.4829	1052.4591	-0.0238	-23	107	115	GDFCIEVGR	38	95.496					Carbamidomethyl (C)[4]		Mascot
	1163.6306	1163.6067	-0.0239	-21	41	50	FLQASEDLLK									Mascot
	1191.6521	1191.6252	-0.0269	-23	58	67	DRPFYPGLVK	68	99.996							Mascot
	1191.6521	1191.6252	-0.0269	-23	58	67	DRPFYPGLVK									Mascot
	1234.531	1234.6521	0.1211	98	145	153	HCAQQWIYE							Carbamidomethyl (C)[2]		Mascot
	1330.7477	1330.7188	-0.0289	-22	8	19	TFIAVKPDGVQR	97	100							Mascot
	1330.7477	1330.7188	-0.0289	-22	8	19	TFIAVKPDGVQR									Mascot
	1785.9164	1785.8751	-0.0413	-23	90	106	VMLGETNPADSKPGTIR									Mascot
	1801.9113	1801.8739	-0.0374	-21	90	106	VMLGETNPADSKPGTIR							Oxidation (M)[2]		Mascot
	1801.9113	1801.8739	-0.0374	-21	90	106	VMLGETNPADSKPGTIR	51	99.797					Oxidation (M)[2]		Mascot
	3262.6267	3262.5715	-0.0552	-17	116	144	NIIHGSDSVDSANTEISLW FKPEELVSFK									Mascot
2	Nme2 protein [Danio rerio]						gi 33416409	17220.8	7.74	9	321	100	254	100		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
916.4886	916.4656	-0.023	-25	51	57	QHYIDLK							Mascot
1016.592	1016.5694	-0.0226	-22	20	28	GLMGEIIKR							Mascot
1032.587	1032.5653	-0.0217	-21	20	28	GLMGEIIKR				Oxidation (M)[3]			Mascot
1052.4829	1052.4591	-0.0238	-23	107	115	GDFCIEVGR				Carbamidomethyl (C)[4]			Mascot
1052.4829	1052.4591	-0.0238	-23	107	115	GDFCIEVGR	38	95.496		Carbamidomethyl (C)[4]			Mascot
1163.6306	1163.6067	-0.0239	-21	41	50	FLQASEDLLK							Mascot
1191.6521	1191.6252	-0.0269	-23	58	67	DRPFYPGLVK	68	99.996					Mascot
1191.6521	1191.6252	-0.0269	-23	58	67	DRPFYPGLVK							Mascot
1330.7477	1330.7188	-0.0289	-22	8	19	TFIAVKPDGVQR	97	100					Mascot
1330.7477	1330.7188	-0.0289	-22	8	19	TFIAVKPDGVQR							Mascot
1785.9164	1785.8751	-0.0413	-23	90	106	VMLGETNPADSKPGTIR							Mascot
1801.9113	1801.8739	-0.0374	-21	90	106	VMLGETNPADSKPGTIR				Oxidation (M)[2]			Mascot
1801.9113	1801.8739	-0.0374	-21	90	106	VMLGETNPADSKPGTIR	51	99.797		Oxidation (M)[2]			Mascot
2112.0503	2112.0046	-0.0457	-22	68	86	YMSSGPVLAMVWEGLNV VK				Oxidation (M)[2,10]			Mascot
3262.6267	3262.5715	-0.0552	-17	116	144	NIIHGSDSVDSANTEISLW FKPEELVSFK							Mascot

3 nucleoside diphosphate kinase A [Danio rerio] gi|18859107 17222.8 7.74 9 223 100 157 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
838.4087	838.5232	0.1145	137	1	7	MSAKTER			Oxidation (M)[1]		Mascot
916.4886	916.4656	-0.023	-25	51	57	QHYIDLK					Mascot
1016.592	1016.5694	-0.0226	-22	20	28	GLMGEIIKR					Mascot
1032.587	1032.5653	-0.0217	-21	20	28	GLMGEIIKR			Oxidation (M)[3]		Mascot
1052.4829	1052.4591	-0.0238	-23	107	115	GDFCIEVGR			Carbamidomethyl (C)[4]		Mascot
1052.4829	1052.4591	-0.0238	-23	107	115	GDFCIEVGR	38	95.496	Carbamidomethyl (C)[4]		Mascot
1163.6306	1163.6067	-0.0239	-21	41	50	FLQASEDLLK					Mascot
1191.6521	1191.6252	-0.0269	-23	58	67	DRPFYPLVK	68	99.996			Mascot
1191.6521	1191.6252	-0.0269	-23	58	67	DRPFYPLVK					Mascot
1785.9164	1785.8751	-0.0413	-23	90	106	VMLGETNPADSKPGTIR					Mascot
1801.9113	1801.8739	-0.0374	-21	90	106	VMLGETNPADSKPGTIR			Oxidation (M)[2]		Mascot
1801.9113	1801.8739	-0.0374	-21	90	106	VMLGETNPADSKPGTIR	51	99.797	Oxidation (M)[2]		Mascot
2112.0503	2112.0046	-0.0457	-22	68	86	YMSSGPVLAMVWEGLNV VK			Oxidation (M)[2,10]		Mascot
3262.6267	3262.5715	-0.0552	-17	116	144	NIIHGSDSVDSANTEISLW FKPEELVSFK					Mascot

4 nucleoside diphosphate kinase B [Danio rerio] gi|41053595 17112.8 6.75 7 179 100 135 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
916.4886	916.4656	-0.023	-25	51	57	QHYIDLK					Mascot
1016.592	1016.5694	-0.0226	-22	20	28	GLMGEIIKR					Mascot
1032.587	1032.5653	-0.0217	-21	20	28	GLMGEIIKR			Oxidation (M)[3]		Mascot
1052.4829	1052.4591	-0.0238	-23	107	115	GDFCIEVGR			Carbamidomethyl (C)[4]		Mascot
1052.4829	1052.4591	-0.0238	-23	107	115	GDFCIEVGR	38	95.496	Carbamidomethyl (C)[4]		Mascot
1107.5681	1107.5242	-0.0439	-40	41	50	FVQASEDLAK					Mascot
1137.5939	1137.5684	-0.0255	-22	58	67	DQPFYAGLVK					Mascot
1330.7477	1330.7188	-0.0289	-22	8	19	TFIAVKPDGVQR	97	100			Mascot
1330.7477	1330.7188	-0.0289	-22	8	19	TFIAVKPDGVQR					Mascot
1818.9418	1818.8862	-0.0556	-31	90	106	VMLGETDPFASKPGTIR					Mascot
1834.9368	1834.8969	-0.0399	-22	90	106	VMLGETDPFASKPGTIR			Oxidation (M)[2]		Mascot

5 nucleoside diphosphate kinase 3 [Danio rerio] gi|18859071 19329.9 7.68 3 108 100 97 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1330.7477	1330.7188	-0.0289	-22	24	35	TFLAVKPDGVQR	97	100			Mascot
1330.7477	1330.7188	-0.0289	-22	24	35	TFLAVKPDGVQR					Mascot
1815.9269	1815.8019	-0.125	-69	106	122	KMLGETNPADSLPGTIR			Oxidation (M)[2]		Mascot
2112.0503	2112.0046	-0.0457	-22	84	102	YMSSGPIVAMVWQGLDV VK			Oxidation (M)[2,10]		Mascot

6 nucleoside diphosphate kinase-Z2 [Danio rerio] gi|6644113 16322.4 8.68 6 76 99.891 38 95.496

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
916.4886	916.4656	-0.023	-25	51	57	QHYIDLK					Mascot
1016.592	1016.5694	-0.0226	-22	20	28	GLMGEIIR					Mascot
1032.587	1032.5653	-0.0217	-21	20	28	GLMGEIIR			Oxidation (M)[3]		Mascot
1052.4829	1052.4591	-0.0238	-23	107	115	GDFCIEVGR			Carbamidomethyl (C)[4]		Mascot
1052.4829	1052.4591	-0.0238	-23	107	115	GDFCIEVGR	38	95.496	Carbamidomethyl (C)[4]		Mascot
1107.5681	1107.5242	-0.0439	-40	41	50	FVQASEDLAK					Mascot
1137.5939	1137.5684	-0.0255	-22	58	67	DQPFYAGLVK					Mascot
1818.9418	1818.8862	-0.0556	-31	90	106	VMLGETDPFASKPGTIR					Mascot
1834.9368	1834.8969	-0.0399	-22	90	106	VMLGETDPFASKPGTIR			Oxidation (M)[2]		Mascot

7 hypothetical protein LOC503526 [Danio rerio] gi|60279671 43929 7.03 12 60 95.941

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
838.4318	838.5232	0.0914	109	120	125	SFSWRR					Mascot
848.4624	848.5057	0.0433	51	280	287	DAAGVLFR					Mascot
961.4333	961.4526	0.0193	20	132	139	DQQAESQR					Mascot
1032.4844	1032.5653	0.0809	78	87	94	IEDLEEEER					Mascot
1133.7041	1133.6927	-0.0114	-10	291	299	ILVTYQRLK					Mascot
1165.5782	1165.7203	0.1421	122	95	103	DFLRCQLDR					Mascot
1165.5782	1165.7203	0.1421	122	95	103	DFLRCQLDR					Mascot
1191.5891	1191.6252	0.0361	30	332	342	LAEVGEFDPSK					Mascot
1191.5891	1191.6252	0.0361	30	332	342	LAEVGEFDPSK					Mascot
1330.7842	1330.7188	-0.0654	-49	369	379	KNLLLLPISYR					Mascot
1330.7842	1330.7188	-0.0654	-49	369	379	KNLLLLPISYR					Mascot

1448.7267	1448.8962	0.1695	117	332	344	LAEVGEFDPSKEK	Mascot
1475.647	1475.7213	0.0743	50	128	139	ENDRDQQAESQR	Mascot
1815.9963	1815.8019	-0.1944	-107	71	85	TQLQISLEKNSWLQK	Mascot
2300.1853	2300.1196	-0.0657	-29	140	159	LANRQSFQQRPTQQTSA NPK	Mascot
2300.1853	2300.1196	-0.0657	-29	140	159	LANRQSFQQRPTQQTSA NPK	Mascot

8 PREDICTED: echinoderm microtubule associated protein like 6 [Danio rerio] gi|326672044 191942.5 7.32 22 59 94.134

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4617	842.4901	0.0284	34	433	439	EDLPQLK					Mascot
848.5239	848.5057	-0.0182	-21	596	602	DKIFVVK					Mascot
850.4451	850.5219	0.0768	90	1228	1234	QTMSVLR			Oxidation (M)[3]		Mascot
850.4451	850.5219	0.0768	90	1228	1234	QTMSVLR			Oxidation (M)[3]		Mascot
916.521	916.4656	-0.0554	-60	722	730	RAALSPSSK					Mascot
961.5577	961.4526	-0.1051	-109	633	641	RGIFGNLGK					Mascot
996.5546	996.5751	0.0205	21	714	721	CLKTYAIK			Carbamidomethyl (C)[1]		Mascot
996.5546	996.5751	0.0205	21	714	721	CLKTYAIK			Carbamidomethyl (C)[1]		Mascot
1051.651	1051.6913	0.0403	38	1117	1126	AAPLPDKLVK					Mascot
1052.5657	1052.4591	-0.1066	-101	671	679	DTTLMKSIK			Oxidation (M)[5]		Mascot
1052.5657	1052.4591	-0.1066	-101	671	679	DTTLMKSIK			Oxidation (M)[5]		Mascot
1109.6102	1109.4716	-0.1386	-125	1466	1475	IWGLATHPSK					Mascot
1137.6006	1137.5684	-0.0322	-28	608	617	MDKLVTVGMMK			Oxidation (M)[1]		Mascot
1163.5725	1163.6067	0.0342	29	1625	1634	LVSDQALMDR			Oxidation (M)[8]		Mascot
1179.5575	1179.5754	0.0179	15	1269	1278	WQEGSRVCSK					Mascot
1308.5017	1308.6364	0.1347	103	642	652	QETMMSACYGR			Oxidation (M)[4,5]		Mascot
1320.6769	1320.549	-0.1279	-97	176	187	FWALCGNALTPK					Mascot
1330.6862	1330.7188	0.0326	24	1010	1021	YVAHSANVTNVR					Mascot
1330.6862	1330.7188	0.0326	24	1010	1021	YVAHSANVTNVR					Mascot
1785.9534	1785.8751	-0.0783	-44	35	50	EIVYFVAGVGVVYNTR					Mascot
1818.8877	1818.8862	-0.0015	-1	677	693	SIKAHDGPVFAMCSLDK					Mascot
1834.8826	1834.8969	0.0143	8	677	693	SIKAHDGPVFAMCSLDK			Oxidation (M)[12]		Mascot
2083.0859	2083.0249	-0.061	-29	501	518	FYLGHHDDILSLTVHPLK					Mascot
2283.2019	2283.1245	-0.0774	-34	1285	1304	IFVVEFRPDSDTQFVSVG IK					Mascot
2283.2019	2283.1245	-0.0774	-34	1285	1304	IFVVEFRPDSDTQFVSVG IK					Mascot

	2300.0764	2300.1196	0.0432	19	1135	1153	TVEELSLDHVFGYRGFD CR					Carbamidomethyl (C)[18]	Mascot
	2300.0764	2300.1196	0.0432	19	1135	1153	TVEELSLDHVFGYRGFD CR					Carbamidomethyl (C)[18]	Mascot
	3262.5479	3262.5715	0.0236	7	225	255	GLNLTRTIQAAHGAGIFS MHSCEEGFATGGR					Carbamidomethyl (C)[22], Oxidation (M)[19]	Mascot
	3338.6436	3338.6702	0.0266	8	949	979	MEWATWTSVLGGTCEGI WPTLSLVNASSLTK						Mascot

9 PREDICTED: tetratricopeptide repeat protein 34-like gi|326679115 119668.1 7.99 18 58 92.443
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
882.4791	882.546	0.0669	76	126	133	QTPQPVGR					Mascot
916.5284	916.4656	-0.0628	-69	393	400	LADCLLLR					Mascot
961.5101	961.4526	-0.0575	-60	18	26	ILFSGDPGR					Mascot
996.4791	996.5751	0.096	96	656	663	HCHTASKR			Carbamidomethyl (C)[2]		Mascot
996.4791	996.5751	0.096	96	656	663	HCHTASKR			Carbamidomethyl (C)[2]		Mascot
1052.5483	1052.4591	-0.0892	-85	836	846	GDVNAAGHLK					Mascot
1052.5483	1052.4591	-0.0892	-85	836	846	GDVNAAGHLK					Mascot
1107.5714	1107.5242	-0.0472	-43	760	769	EATQSMLSLK					Mascot
1109.5739	1109.4716	-0.1023	-92	189	197	AFYQQLSPR					Mascot
1118.5259	1118.4878	-0.0381	-34	1076	1085	REVSGPCTVN			Carbamidomethyl (C)[7]		Mascot
1165.6252	1165.7203	0.0951	82	1050	1059	AWFLTETGLK					Mascot
1165.6252	1165.7203	0.0951	82	1050	1059	AWFLTETGLK					Mascot
1179.6302	1179.5754	-0.0548	-46	1028	1036	QRLAEMYLR					Mascot
1191.5422	1191.6252	0.083	70	7	17	GAADLCREGDK			Carbamidomethyl (C)[6]		Mascot
1191.5422	1191.6252	0.083	70	7	17	GAADLCREGDK			Carbamidomethyl (C)[6]		Mascot
1279.6528	1279.7494	0.0966	75	241	252	ELQAAELFSSGK					Mascot
1308.6881	1308.6364	-0.0517	-40	700	710	ARCYALLGQWK					Mascot
1330.7041	1330.7188	0.0147	11	617	627	GFLYDAYQLLK					Mascot
1330.7041	1330.7188	0.0147	11	617	627	GFLYDAYQLLK					Mascot
1493.8435	1493.701	-0.1425	-95	177	188	ERQTQHVELIIK					Mascot
1834.9194	1834.8969	-0.0225	-12	27	44	AAALYTQAFGNHAGSTV R					Mascot
2299.1797	2299.1255	-0.0542	-24	490	508	LQLQDAAVTVRCLVPWN CR			Carbamidomethyl (C)[12,18]		Mascot
3262.5862	3262.5715	-0.0147	-5	48	78	GLDTGHLEEVATLEAWL DGSSHNSIEGPSK					Mascot

10 RecName: Full=Contactin-1a; AltName:
Full=F3/F11/contactin; AltName: Full=Neural cell
recognition m gi|55976512 114263.1 6.25 17 57 90.702

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.5111	856.5094	-0.0017	-2	434	441	LLGARNGR					Mascot
1045.5173	1045.5388	0.0215	21	562	569	DAQHYQRK					Mascot
1062.5513	1062.6699	0.1186	112	442	449	VVFECRPR			Carbamidomethyl (C)[5]		Mascot
1107.6885	1107.5242	-0.1643	-148	285	294	KLDGVLPLR					Mascot
1118.4572	1118.4878	0.0306	27	492	500	YTCFAENDR					Mascot
1173.6626	1173.6058	-0.0568	-48	788	797	IPPSTRFEVK					Mascot
1308.575	1308.6364	0.0614	47	898	910	ACNGAGYGPASQR			Carbamidomethyl (C)[2]		Mascot
1434.7231	1434.738	0.0149	10	1	12	MIPEAFQPRAMK			Oxidation (M)[1]		Mascot
1707.7683	1707.7284	-0.0399	-23	138	151	VQFGYLDMFSTDER					Mascot
1815.9058	1815.8019	-0.1039	-57	883	897	LDNMKPDSHYLVEVR					Mascot
1818.7786	1818.8862	0.1076	59	391	406	LGFEDESGMYQCVAENR					Mascot
1834.7734	1834.8969	0.1235	67	391	406	LGFEDESGMYQCVAENR			Oxidation (M)[8]		Mascot
2224.9749	2225.0674	0.0925	42	388	406	FSRLGFEDSGMYQCVAE NR			Oxidation (M)[11]		Mascot
2224.9749	2225.0674	0.0925	42	388	406	FSRLGFEDSGMYQCVAE NR			Oxidation (M)[11]		Mascot
2230.0305	2230.125	0.0945	42	114	134	SKHAGNYTCVASNQYGS VTSR					Mascot
2283.092	2283.1245	0.0325	14	594	614	YSCTAQTPVDNTTASAE L VVR			Carbamidomethyl (C)[3]		Mascot
2283.092	2283.1245	0.0325	14	594	614	YSCTAQTPVDNTTASAE L VVR			Carbamidomethyl (C)[3]		Mascot
2284.2131	2284.1226	-0.0905	-40	442	460	VVFECRPRAPRPNITW SK			Carbamidomethyl (C)[5]		Mascot
2299.1426	2299.1255	-0.0171	-7	986	1007	GEYLVEVRAHSEGGDGA VAQVR					Mascot
3338.7102	3338.6702	-0.04	-12	256	284	SPDSWALLGQNVTLCE F ALGNPIQIRWR			Carbamidomethyl (C)[16]		Mascot
11	contactin-1a precursor [Danio rerio]			gi 136256388		114246.1	6.19	16	49	48.906	

Peptide Information											
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
856.5111	856.5094	-0.0017	-2	434	441	LLGARNGR					Mascot
1045.5173	1045.5388	0.0215	21	562	569	DAQHYQRK					Mascot
1062.5513	1062.6699	0.1186	112	442	449	VVFECRPR			Carbamidomethyl (C)[5]		Mascot
1107.6885	1107.5242	-0.1643	-148	285	294	KLDGVLPLR					Mascot
1118.4572	1118.4878	0.0306	27	492	500	YTCFAENDR					Mascot
1173.6626	1173.6058	-0.0568	-48	788	797	IPPSTRFEVK					Mascot
1308.575	1308.6364	0.0614	47	898	910	ACNGAGYGPASQR			Carbamidomethyl (C)[2]		Mascot

	1434.7231	1434.738	0.0149	10	1	12	MIPEAFQPRAMK						Oxidation (M)[1]	Mascot
	1707.7683	1707.7284	-0.0399	-23	138	151	VQFGYLDMFSTDER							Mascot
	1815.9058	1815.8019	-0.1039	-57	883	897	LDNMKPDSHYLVEVR							Mascot
	1818.7786	1818.8862	0.1076	59	391	406	LGFEDESGMYQCVAENR							Mascot
	1834.7734	1834.8969	0.1235	67	391	406	LGFEDESGMYQCVAENR						Oxidation (M)[8]	Mascot
	2224.9749	2225.0674	0.0925	42	388	406	FSRLGFEDSGMYQCVAE NR						Oxidation (M)[11]	Mascot
	2224.9749	2225.0674	0.0925	42	388	406	FSRLGFEDSGMYQCVAE NR						Oxidation (M)[11]	Mascot
	2230.0305	2230.125	0.0945	42	114	134	SKHAGNYTCVASNQYGS VTSR							Mascot
	2283.092	2283.1245	0.0325	14	594	614	YSCTAQTPVDNTTASAE L VVR						Carbamidomethyl (C)[3]	Mascot
	2283.092	2283.1245	0.0325	14	594	614	YSCTAQTPVDNTTASAE L VVR						Carbamidomethyl (C)[3]	Mascot
	2284.2131	2284.1226	-0.0905	-40	442	460	VVFECRPRAAPRPNITW SK						Carbamidomethyl (C)[5]	Mascot
	2299.1426	2299.1255	-0.0171	-7	986	1007	GEYLVEVRAHSEGGDGA VAQVR							Mascot

12 DEAD (Asp-Glu-Ala-Asp) box polypeptide 3 [Danio rerio] gi|187608185 78286.6 8.48 14 45 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
842.5094	842.4901	-0.0193	-23	436	442	EIQILAR				Mascot
856.3947	856.5094	0.1147	134	140	146	SAFFNDR				Mascot
868.4232	868.5291	0.1059	122	384	390	IGLDYCK		Carbamidomethyl (C)[6]		Mascot
996.5182	996.5751	0.0569	57	382	390	GKIGLDYCK				Mascot
996.5182	996.5751	0.0569	57	382	390	GKIGLDYCK				Mascot
1051.616	1051.6913	0.0753	72	34	41	RYIPPHLR				Mascot
1137.6527	1137.5684	-0.0843	-74	35	43	YIPPHLRNK				Mascot
1163.5902	1163.6067	0.0165	14	456	466	VGSTSENITQK				Mascot
1173.582	1173.6058	0.0238	20	412	421	IVEQDTMPPK		Oxidation (M)[7]		Mascot
1308.5637	1308.6364	0.0727	56	512	523	EGYACTSIHGDR				Mascot
1320.5963	1320.549	-0.0473	-36	425	435	QTMMFSATFPK		Oxidation (M)[3,4]		Mascot
1448.7744	1448.8962	0.1218	84	325	336	ELALQIYDEARK				Mascot
1785.9956	1785.8751	-0.1205	-67	597	612	NSNITKDLLDILVEAK				Mascot
2083.0244	2083.0249	0.0005	0	560	576	HVINFDLPSDIEEYVHR				Mascot
2112.0981	2112.0046	-0.0935	-44	425	442	QTMMFSATFPKEIQILAR				Mascot

13 DEAD (Asp-Glu-Ala-Asp) box polypeptide 3 [Danio rerio] gi|124481673 78346.7 8.48 14 45 0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
842.5094	842.4901	-0.0193	-23	436	442 EIQLAR				Mascot
868.4232	868.5291	0.1059	122	384	390 IGLDYCK			Carbamidomethyl (C)[6]	Mascot
916.4311	916.4656	0.0345	38	140	146 FAFFNDR				Mascot
996.5182	996.5751	0.0569	57	382	390 GKIGLDYCK				Mascot
996.5182	996.5751	0.0569	57	382	390 GKIGLDYCK				Mascot
1051.616	1051.6913	0.0753	72	34	41 RYIPPHLR				Mascot
1137.6527	1137.5684	-0.0843	-74	35	43 YIPPHLRNK				Mascot
1163.5902	1163.6067	0.0165	14	456	466 VGSTSENITQK				Mascot
1173.582	1173.6058	0.0238	20	412	421 IVEQDTMPPK			Oxidation (M)[7]	Mascot
1308.5637	1308.6364	0.0727	56	512	523 EGYACTSIHGDR				Mascot
1320.5963	1320.549	-0.0473	-36	425	435 QTMMFSATFPK			Oxidation (M)[3,4]	Mascot
1448.7744	1448.8962	0.1218	84	325	336 ELALQIYEARK				Mascot
1785.9956	1785.8751	-0.1205	-67	597	612 NSNITKDLLDILVEAK				Mascot
2083.0244	2083.0249	0.0005	0	560	576 HVINFDLPSDIEEYVHR				Mascot
2112.0981	2112.0046	-0.0935	-44	425	442 QTMMFSATFPKEIQLAR				Mascot

14 hypothetical protein LOC100037310 [Danio rerio] gi|147900003 27825.6 8.46 8 42 0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
842.4189	842.4901	0.0712	85	2	9 AAPHSTMK				Mascot
1051.5605	1051.6913	0.1308	124	149	157 FLTDGMLVR				Mascot
1163.5725	1163.6067	0.0342	29	229	239 DTCGILTEGR				Mascot
1191.6112	1191.6252	0.014	12	158	167 EMMSDPLLKK				Mascot
1191.6112	1191.6252	0.014	12	158	167 EMMSDPLLKK				Mascot
1308.7344	1308.6364	-0.098	-75	147	157 IKFLTDGMLVR			Oxidation (M)[8]	Mascot
1320.5273	1320.549	0.0217	16	136	146 FDDCSDPHATR			Carbamidomethyl (C)[4]	Mascot
1448.8723	1448.8962	0.0239	16	180	192 TLYTDIAIGLLKK				Mascot
2112.0537	2112.0046	-0.0491	-23	149	166 FLTDGMLVREMMSDPLLK			Oxidation (M)[6]	Mascot

15 PREDICTED: transformation/transcription domain-associated protein [Danio rerio] gi|326672350 433471.2 8.52 33 40 0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type

848.4083	848.5057	0.0974	115	3257	3263	ATAPMWR	Oxidation (M)[5]	Mascot
882.5155	882.546	0.0305	35	2182	2189	AVHSLLSR		Mascot
899.4291	899.4459	0.0168	19	305	311	YSQQMVK	Oxidation (M)[5]	Mascot
961.4407	961.4526	0.0119	12	2930	2937	NTSLHDMK	Oxidation (M)[7]	Mascot
1016.5676	1016.5694	0.0018	2	3530	3537	HLFFTVPR		Mascot
1032.5394	1032.5653	0.0259	25	922	930	ASIQLPMEK	Oxidation (M)[7]	Mascot
1045.5095	1045.5388	0.0293	28	3604	3612	EVQGNMVP	Oxidation (M)[6]	Mascot
1066.4623	1066.4749	0.0126	12	1654	1662	DNMAATNWK	Oxidation (M)[3]	Mascot
1109.566	1109.4716	-0.0944	-85	548	557	TITWGITSCK		Mascot
1133.587	1133.6927	0.1057	93	931	940	AIETALDCLK	Carbamidomethyl (C)[8]	Mascot
1137.5647	1137.5684	0.0037	3	3569	3578	GIEHDNPISR		Mascot
1165.5817	1165.7203	0.1386	119	606	615	VANCQTVRMK	Oxidation (M)[9]	Mascot
1165.5817	1165.7203	0.1386	119	606	615	VANCQTVRMK	Oxidation (M)[9]	Mascot
1173.5795	1173.6058	0.0263	22	1696	1704	FLCNMTFLK	Carbamidomethyl (C)[3]	Mascot
1191.619	1191.6252	0.0062	5	1516	1526	AMLIEAGSPFR		Mascot
1191.619	1191.6252	0.0062	5	1516	1526	AMLIEAGSPFR		Mascot
1234.7054	1234.6521	-0.0533	-43	986	995	WIPNVIISHR		Mascot
1308.6212	1308.6364	0.0152	12	2020	2031	GMSVDSAQDVKR	Oxidation (M)[2]	Mascot
1316.5536	1316.5607	0.0071	5	2248	2259	SACSNSSYIDR		Mascot
1330.6897	1330.7188	0.0291	22	1666	1676	LLAFCLLSYCK	Carbamidomethyl (C)[5]	Mascot
1330.6897	1330.7188	0.0291	22	1666	1676	LLAFCLLSYCK	Carbamidomethyl (C)[5]	Mascot
1434.7079	1434.738	0.0301	21	2466	2477	QCTELLAVCER	Carbamidomethyl (C)[2]	Mascot
1448.8293	1448.8962	0.0669	46	1147	1159	LGGVVSIFLMER		Mascot
1475.8217	1475.7213	-0.1004	-68	1963	1975	LGFTPSVTIEQRK		Mascot
1493.7126	1493.701	-0.0116	-8	1311	1322	LFTMDLNVMEHK	Oxidation (M)[4]	Mascot
1785.8575	1785.8751	0.0176	10	2190	2206	LMSTFPTEPSTSSVASK	Oxidation (M)[2]	Mascot
1801.8109	1801.8739	0.063	35	1906	1919	MEDGHQMLTHWTRK	Oxidation (M)[1,7]	Mascot
1801.8109	1801.8739	0.063	35	1906	1919	MEDGHQMLTHWTRK	Oxidation (M)[1,7]	Mascot
1815.9309	1815.8019	-0.129	-71	297	311	IYQDLVGKYSQQMVK	Oxidation (M)[13]	Mascot
2211.0745	2211.0559	-0.0186	-8	1075	1094	GMDPLVLIDAIACMAYEE K	Oxidation (M)[2]	Mascot
2230.0769	2230.125	0.0481	22	1323	1341	VFYTELLNLCEAEDAALM K	Carbamidomethyl (C)[10]	Mascot
2237.0981	2237.0571	-0.041	-18	3074	3092	EMTAEFYALKGMFLAQIN K	Oxidation (M)[2,12]	Mascot
2249.2322	2249.0198	-0.2124	-94	2579	2599	TGALLNALVQLCHISTPLA EK	Carbamidomethyl (C)[12]	Mascot
2283.0981	2283.1245	0.0264	12	3617	3634	EWALHTFPNATDYWTFR K		Mascot
2283.0981	2283.1245	0.0264	12	3617	3634	EWALHTFPNATDYWTFR		Mascot

[illegible]

	1785.9172	1785.8751	-0.0421	-24	516	532	VLDVLCSLCVCHGVAVR							Mascot
	1801.7463	1801.8739	0.1276	71	2097	2110	MVANCCRFLCYFCR					Carbamidomethyl (C)[5], Oxidation (M)[1]		Mascot
	1801.7463	1801.8739	0.1276	71	2097	2110	MVANCCRFLCYFCR					Carbamidomethyl (C)[5], Oxidation (M)[1]		Mascot
	2082.9912	2083.0249	0.0337	16	2209	2227	FAVFCNGESVEENANVV VR							Mascot
	2249.1396	2249.0198	-0.1198	-53	1556	1574	FHYHTLRLYSAICALGNN R							Mascot
	2282.9839	2283.1245	0.1406	62	29	48	HSYSGMYLCCLSTARSS TDK					Carbamidomethyl (C)[9], Oxidation (M)[6]		Mascot
	2282.9839	2283.1245	0.1406	62	29	48	HSYSGMYLCCLSTARSS TDK					Carbamidomethyl (C)[9], Oxidation (M)[6]		Mascot
17	PREDICTED: hypothetical protein LOC797100 [Danio rerio]				gi 326681404	37240.7	5.09	8	38	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
868.4159	868.5291	0.1132	130	114	120	SREAYDK					Mascot
1052.516	1052.4591	-0.0569	-54	201	208	DWHPLQEK					Mascot
1052.516	1052.4591	-0.0569	-54	201	208	DWHPLQEK					Mascot
1334.6919	1334.8641	0.1722	129	257	267	LICEMARQIGK			Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot
1475.7887	1475.7213	-0.0674	-46	102	113	TDLLRLSEEMR					Mascot
1493.6835	1493.701	0.0175	12	89	101	LCQECGLDAKGSR			Carbamidomethyl (C)[2,5]		Mascot
1785.9098	1785.8751	-0.0347	-19	268	281	DIYIEDFYVVPVWK					Mascot
1815.775	1815.8019	0.0269	15	315	330	FVVCESCLPSGSWDMV			Carbamidomethyl (C)[4]		Mascot
2210.9482	2211.0559	0.1077	49	245	263	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
2283.9646	2284.1226	0.158	69	245	263	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10, 15], Oxidation (M)[2, 11]		Mascot
2299.9597	2300.1196	0.1599	70	245	263	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10, 15], Oxidation (M)[2, 11, 17]		Mascot
2299.9597	2300.1196	0.1599	70	245	263	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10, 15], Oxidation (M)[2, 11, 17]		Mascot

18 PREDICTED: hypothetical protein LOC100002352 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
868.4159	868.5291	0.1132	130	53	59	SREAYDK					Mascot
1320.5493	1320.549	-0.0003	0	167	178	DMNSHIGNACMK					Mascot
1334.6919	1334.8641	0.1722	129	179	189	LICEMARQIGK			Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot
1475.7887	1475.7213	-0.0674	-46	41	52	TDLLRLSEEMR					Mascot
1493.6835	1493.701	0.0175	12	28	40	LCQECGLDAKGSR			Carbamidomethyl (C)[2,5]		Mascot

1785.9098	1785.8751	-0.0347	-19	190	203	DIYIEDFYVVPVWK							Mascot
1801.7594	1801.8739	0.1145	64	237	252	FVVCENCLPSGSWDMV					Oxidation (M)[15]		Mascot
1801.7594	1801.8739	0.1145	64	237	252	FVVCENCLPSGSWDMV					Oxidation (M)[15]		Mascot
2282.9807	2283.1245	0.1438	63	167	185	DMNSHIGNACMKLICEMAR					Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]		Mascot
2282.9807	2283.1245	0.1438	63	167	185	DMNSHIGNACMKLICEMAR					Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]		Mascot
2298.9756	2299.1255	0.1499	65	167	185	DMNSHIGNACMKLICEMAR					Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]		Mascot
19	PREDICTED: zinc finger protein 91 [Danio rerio]				gi 326678135	96401.5	9.32	19	37	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
899.4879	899.4459	-0.042	-47	822	828	HMKINTR					Mascot
916.4734	916.4656	-0.0078	-9	324	331	TETISHTK					Mascot
961.4416	961.4526	0.011	11	486	493	HVCLMCQK					Mascot
1051.5643	1051.6913	0.127	121	107	115	SFARQSSLR					Mascot
1062.6558	1062.6699	0.0141	13	191	199	TFSLLQILK					Mascot
1137.5687	1137.5684	-0.0003	0	616	624	TFPNNFELR					Mascot
1163.6241	1163.6067	-0.0174	-15	728	736	TFLRPCELK			Carbamidomethyl (C)[6]		Mascot
1191.5497	1191.6252	0.0755	63	285	294	MSDPEPCRIK			Oxidation (M)[1]		Mascot
1191.5497	1191.6252	0.0755	63	285	294	MSDPEPCRIK			Oxidation (M)[1]		Mascot
1785.7352	1785.8751	0.1399	78	741	755	VHTMERPYSCSDCGK			Carbamidomethyl (C)[10], Oxidation (M)[4]		Mascot
1834.821	1834.8969	0.0759	41	341	357	AAENGFICTQCGKSYSR					Mascot
2082.9849	2083.0249	0.04	19	204	221	IHTGEKPYACTQCGKSFR			Carbamidomethyl (C)[10]		Mascot
2098.9619	2099.0298	0.0679	32	626	643	HFRVQTNEKPYSCCVCGK					Mascot
2111.9573	2112.0046	0.0473	22	654	671	HQMIHTGEKPYVCSHCGK			Carbamidomethyl (C)[13]		Mascot
2211.1067	2211.0559	-0.0508	-23	135	153	GFSHQSHFKAHQHIHTGVR					Mascot
2224.8628	2225.0674	0.2046	92	598	615	HMMIHNEENPHECDQCGK			Carbamidomethyl (C)[13], Oxidation (M)[2]		Mascot
2224.8628	2225.0674	0.2046	92	598	615	HMMIHNEENPHECDQCGK			Carbamidomethyl (C)[13], Oxidation (M)[2]		Mascot
2230.0239	2230.125	0.1011	45	89	106	HLRVHTNERPYSCSECGK			Carbamidomethyl (C)[13,16]		Mascot
2283.2061	2283.1245	-0.0816	-36	232	251	IHTMENTNVIRALCGAILTR			Carbamidomethyl (C)[14]		Mascot
2283.2061	2283.1245	-0.0816	-36	232	251	IHTMENTNVIRALCGAILTR			Carbamidomethyl (C)[14]		Mascot
2297.0735	2297.1226	0.0491	21	653	671	KHQMIHTGEKPYVCSHC GK			Carbamidomethyl (C)[14,17]		Mascot
2299.0781	2299.1255	0.0474	21	450	469	MIHTGEKPFCAQCGKSFTR			Carbamidomethyl (C)[11]		Mascot

20	PREDICTED: zinc finger protein 271-like [Danio rerio]				gi 326675814	34998.3	9.18	11	37	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1062.6055	1062.6699	0.0644	61	121	129	HKLIHTGEK					Mascot
1107.627	1107.5242	-0.1028	-93	167	175	SFTRITNLR					Mascot
1118.5953	1118.4878	-0.1075	-96	251	259	RFSQPENLK					Mascot
1163.6532	1163.6067	-0.0465	-40	123	132	LIHTGEKTHK					Mascot
1191.5497	1191.6252	0.0755	63	1	10	MSDPEPCRIK			Oxidation (M)[1]		Mascot
1191.5497	1191.6252	0.0755	63	1	10	MSDPEPCRIK			Oxidation (M)[1]		Mascot
1493.7971	1493.701	-0.0961	-64	205	216	HQRIHTGEKPYK					Mascot
1834.8552	1834.8969	0.0417	23	11	25	LEETEEQTDLKENEK					Mascot
2098.9937	2099.0298	0.0361	17	37	54	TYHLLTEEKPFCTQCGK					Mascot
2284.1101	2284.1226	0.0125	5	36	54	KTYHLLTEEKPFCTQCGK			Carbamidomethyl (C)[14]		Mascot
2300.0005	2300.1196	0.1191	52	232	250	RHEMIHTGEKPYECSHCDK					Mascot
2300.0005	2300.1196	0.1191	52	233	251	HEMIHTGEKPYECSHCDKR					Mascot

21 PREDICTED: zinc finger protein 420 isoform 2 [Danio rerio] gi|326678086 70371 9.08 14 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5206	842.4901	-0.0305	-36	25	31	QRQGLLK					Mascot
864.4798	864.5037	0.0239	28	591	597	HRSVHTK					Mascot
1016.5193	1016.5694	0.0501	49	598	606	EKPPSCSLR					Mascot
1026.5215	1026.4753	-0.0462	-45	189	197	SFTQTSSLR					Mascot
1045.536	1045.5388	0.0028	3	134	141	FHCARNLK			Carbamidomethyl (C)[3]		Mascot
1062.5149	1062.6699	0.155	146	110	117	YNLNVHMR			Oxidation (M)[7]		Mascot
1107.6171	1107.5242	-0.0929	-84	469	477	RFAQHAHLK					Mascot
1118.4645	1118.4878	0.0233	21	348	356	GFVCFECEK			Carbamidomethyl (C)[4]		Mascot
1191.5497	1191.6252	0.0755	63	36	45	MSDPEPCRIK			Oxidation (M)[1]		Mascot
1191.5497	1191.6252	0.0755	63	36	45	MSDPEPCRIK			Oxidation (M)[1]		Mascot
1785.8501	1785.8751	0.025	14	8	24	SFSVESSELSSAAISER					Mascot
2211.0798	2211.0559	-0.0239	-11	450	468	IHLRVHTNEKPYSCECGK					Mascot
2230.0605	2230.125	0.0645	29	276	294	CSSHLNEHMIHTGEKTHR					Mascot
2283.0579	2283.1245	0.0666	29	227	245	HQMIHTGEKPYKCSHCDLR					Mascot
2283.0579	2283.1245	0.0666	29	227	245	HQMIHTGEKPYKCSHCD					Mascot

	2299.053	2299.1255	0.0725	32	227	245	LR HQMIHTGEKPYKCSHCD LR					Oxidation (M)[3]	Mascot
	3262.4839	3262.5715	0.0876	27	525	552	TFSHIGHMNAHERVHTG EKPFACHTCGK					Carbamidomethyl (C)[23,26], Oxidation (M)[8]	Mascot
22	PREDICTED: TRIO and F-actin-binding protein-like [Danio rerio]				gi 326664311		26022.2	5.16	8	37	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
848.4658	848.5057	0.0399	47	158	164	EISCLRK					Mascot
1045.5636	1045.5388	-0.0248	-24	194	202	SERDINALK					Mascot
1107.5714	1107.5242	-0.0472	-43	110	118	LTEEISLMR			Oxidation (M)[8]		Mascot
1118.5259	1118.4878	-0.0381	-34	101	109	MENQELQAR					Mascot
1163.6055	1163.6067	0.0012	1	126	136	SGVVPLGSYER					Mascot
1179.6844	1179.5754	-0.109	-92	197	206	DINALKQHLK					Mascot
1818.9054	1818.8862	-0.0192	-11	149	163	ESEVEFLHKEISCLR					Mascot
2237.1633	2237.0571	-0.1062	-47	49	67	QQLHESLSLQRELDGLS QR					Mascot

23	tropomyosin alpha-4 chain isoform 2 [Danio rerio]				gi 47085929		28484.4	4.63	9	36	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.3975	850.5219	0.1244	146	98	104	AMKDEEK					Mascot
850.3975	850.5219	0.1244	146	98	104	AMKDEEK					Mascot
1109.4891	1109.4716	-0.0175	-16	83	92	AADESERGMK			Oxidation (M)[9]		Mascot
1137.582	1137.5684	-0.0136	-12	1	11	MTGVTS�DAVK			Oxidation (M)[1]		Mascot
1165.5592	1165.7203	0.1611	138	105	113	MEIQEMQLK			Oxidation (M)[1]		Mascot
1165.5592	1165.7203	0.1611	138	105	113	MEIQEMQLK			Oxidation (M)[1]		Mascot
1173.5858	1173.6058	0.02	17	34	42	ELDNERELR					Mascot
1234.5732	1234.6521	0.0789	64	143	153	AEERAEVAECK					Mascot
1308.6178	1308.6364	0.0186	14	198	208	EAETRAEFAER					Mascot
1434.7322	1434.738	0.0058	4	216	228	SIDDLEEKLSSAK					Mascot
1493.7338	1493.701	-0.0328	-22	105	116	MEIQEMQLKEAK			Oxidation (M)[1]		Mascot

24	pl10 [Danio rerio]				gi 41282082		75799.5	8.28	12	36	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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[illegible]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.4481	848.5057	0.0576	68	104	110	QMGLMLR					Mascot
856.5515	856.5094	-0.0421	-49	27	32	IWLRLR					Mascot
864.4429	864.5037	0.0608	70	104	110	QMGLMLR			Oxidation (M)[2]		Mascot
1045.5823	1045.5388	-0.0435	-42	37	44	CLVKQLER			Carbamidomethyl (C)[1]		Mascot
1062.5691	1062.6699	0.1008	95	112	119	TEEKPRFR					Mascot
1133.5837	1133.6927	0.109	96	18	26	YLQPDQIEK					Mascot
1137.5535	1137.5684	0.0149	13	276	285	SDAAILYNDR					Mascot
2249.1128	2249.0198	-0.093	-41	322	341	ALVVEMVLATDMSCHFQ QVK					Mascot
2283.2634	2283.1245	-0.1389	-61	193	213	FKIPVSALVSFVEALEVG YSK					Mascot
2283.2634	2283.1245	-0.1389	-61	193	213	FKIPVSALVSFVEALEVG YSK					Mascot
2299.2583	2299.1255	-0.1328	-58	195	215	IPVSALVSFVEALEVGYS KYK					Mascot

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5094	842.4901	-0.0193	-23	420	426	EIQILAR					Mascot

1051.616	1051.6913	0.0753	72	33	40	RYIPPHLR						Mascot
1137.6527	1137.5684	-0.0843	-74	34	42	YIPPHLRNK						Mascot
1163.5902	1163.6067	0.0165	14	440	450	VGSTSENITQK						Mascot
1173.582	1173.6058	0.0238	20	396	405	IVEQDTMPPK			Oxidation (M)[7]			Mascot
1308.5637	1308.6364	0.0727	56	496	507	EGYACTSIHGDR						Mascot
1320.5963	1320.549	-0.0473	-36	409	419	QTMFMSATFPK			Oxidation (M)[3,4]			Mascot
1448.7744	1448.8962	0.1218	84	309	320	ELALQIYDEARK						Mascot
1707.7582	1707.7284	-0.0298	-17	58	72	SNGFVNGYHDGRDNR						Mascot
2083.0244	2083.0249	0.0005	0	544	560	HVINFDLPDIEEYVHR						Mascot
2112.0767	2112.0046	-0.0721	-34	325	343	SHVRPCVVYGGADIGQQI R			Carbamidomethyl (C)[6]			Mascot
3262.5217	3262.5715	0.0498	15	368	394	IGLDYCNLYLVLDEADRL DMGFEPQIR			Carbamidomethyl (C)[6], Oxidation (M)[17]			Mascot

27

PREDICTED: coiled-coil domain-containing protein C16orf93 homolog [Danio rerio]

gi|292619525

33587.9

5.12

7

34

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
848.4108	848.5057	0.0949	112	47	53	STQDIER						Mascot
870.4508	870.5245	0.0737	85	159	164	HYFLYK						Mascot
1032.5255	1032.5653	0.0398	39	250	257	EV RNEVMR						Mascot
1234.5182	1234.6521	0.1339	108	194	204	SQSESPADEER						Mascot
1818.9492	1818.8862	-0.063	-35	11	25	EMKPFDKIMVPQVPK				Oxidation (M)[2,9]		Mascot
2082.8843	2083.0249	0.1406	68	209	226	ETEMDGEVQQSSELP EM K				Oxidation (M)[4]		Mascot
2098.8792	2099.0298	0.1506	72	209	226	ETEMDGEVQQSSELP EM K				Oxidation (M)[4, 17]		Mascot
3338.7549	3338.6702	-0.0847	-25	258	287	LSAQLQQELKNSADQLN NAISQLETNIQVK						Mascot

28

PREDICTED: hypothetical protein LOC100003217 [Danio rerio]

gi|326678765

31640.9

5.2

8

34

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
842.4114	842.4901	0.0787	93	78	84	SREAHDK						Mascot
916.4379	916.4656	0.0277	30	29	35	MMTRSYK						Mascot
1052.516	1052.4591	-0.0569	-54	152	159	DWHPLQEK						Mascot
1052.516	1052.4591	-0.0569	-54	152	159	DWHPLQEK						Mascot
1334.6919	1334.8641	0.1722	129	208	218	LICEMARQIGK				Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot
1475.7887	1475.7213	-0.0674	-46	66	77	TDLLRLRLSEEMR						Mascot

	1493.6835	1493.701	0.0175	12	53	65	LCQECGLDAKGSR						Carbamidomethyl (C)[2,5]	Mascot
	1785.9098	1785.8751	-0.0347	-19	219	232	DIYIEDFYVVPVWK							Mascot
	2210.9482	2211.0559	0.1077	49	196	214	DMDSHIGNACMKLICEMAR						Carbamidomethyl (C)[10], Oxidation (M)[2]	Mascot
	2283.9646	2284.1226	0.158	69	196	214	DMDSHIGNACMKLICEMAR						Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]	Mascot
	2299.9597	2300.1196	0.1599	70	196	214	DMDSHIGNACMKLICEMAR						Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]	Mascot
	2299.9597	2300.1196	0.1599	70	196	214	DMDSHIGNACMKLICEMAR						Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]	Mascot
29	novel protein similar to vertebrate lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase) (LSS)					gi 169153752	83610.3	6.09	11	34	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.4311	868.5291	0.098	113	441	448	GGFPFSTR					Mascot
882.425	882.546	0.121	137	564	570	GLDYCRR					Mascot
899.556	899.4459	-0.1101	-122	674	681	GIQLLIDK					Mascot
1062.5942	1062.6699	0.0757	71	665	673	YPGTKVIER					Mascot
1066.5132	1066.4749	-0.0383	-36	1	9	MTEGTCLRR					Mascot
1107.5979	1107.5242	-0.0737	-67	615	623	RACEFLAK			Carbamidomethyl (C)[3]		Mascot
1308.6233	1308.6364	0.0131	10	544	553	HFHSVYPEHR					Mascot
1320.7344	1320.549	-0.1854	-140	723	734	LYPCNALTGKLG					Mascot
1802.0027	1801.8739	-0.1288	-71	333	348	CISIGPISKTINMLVR			Carbamidomethyl (C)[1]		Mascot
1802.0027	1801.8739	-0.1288	-71	333	348	CISIGPISKTINMLVR			Carbamidomethyl (C)[1]		Mascot
2112.0032	2112.0046	0.0014	1	262	278	QELYVQDYSTDWPAQR					Mascot
3262.6716	3262.5715	-0.1001	-31	88	117	LQAEDGHWAGDYGGPLFLLPGLLITCHIAK			Carbamidomethyl (C)[26]		Mascot

30	novel protein similar to MCM6 minichromosome maintenance deficient 6, mitotin (<i>S. cerevisiae</i>) (mcm6)					gi 169158286	93177.2	5.26	12	34	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.49	856.5094	0.0194	23	87	93	AVRHFAR					Mascot
868.4233	868.5291	0.1058	122	185	191	FMLDTNK					Mascot
1026.5367	1026.4753	-0.0614	-60	192	199	SRFVDFQK					Mascot
1163.6531	1163.6067	-0.0464	-40	280	289	ALGVRELSYR					Mascot
1165.6252	1165.7203	0.0951	82	747	755	SELINWYLK					Mascot
1165.6252	1165.7203	0.0951	82	747	755	SELINWYLK					Mascot

1234.7228	1234.6521	-0.0707	-57	361	372	GILLMLFGGVAK	Oxidation (M)[5]	Mascot
1475.7502	1475.7213	-0.0289	-20	90	102	HFARDHGNIPPSK		Mascot
1707.8306	1707.7284	-0.1022	-60	168	182	YTQPTICKNPVCANR		Mascot
2211.1875	2211.0559	-0.1316	-60	361	381	GILLMLFGGVAKTTMEGT SLR	Oxidation (M)[5]	Mascot
2237.1304	2237.0571	-0.0733	-33	236	257	CDFTGTLIVPDVSAMAL AGTR		Mascot
2297.1812	2297.1226	-0.0586	-26	575	593	QFQPKITVEAQEFVVDQY K		Mascot
3262.5652	3262.5715	0.0063	2	53	79	NTLTVSFSNIEHYNQQLA TTIQEEYYR		Mascot

31 novel protein similar to vertebrate SWIVSNF related,
matrix associated, actin dependent regulator gi|55963379 29300 9.77 7 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.3869	856.5094	0.1225	143	263	269	QMPSKSY			Oxidation (M)[2]		Mascot
1052.4863	1052.4591	-0.0272	-26	214	223	DAAAMAALMR			Oxidation (M)[5,9]		Mascot
1052.4863	1052.4591	-0.0272	-26	214	223	DAAAMAALMR			Oxidation (M)[5,9]		Mascot
1234.5746	1234.6521	0.0775	63	135	144	CVSHSENRFR					Mascot
1320.6794	1320.549	-0.1304	-99	159	170	SIPSKNYDPATK					Mascot
1475.7522	1475.7213	-0.0309	-21	70	82	QTQLIDINAACTK			Carbamidomethyl (C)[11]		Mascot
2211.0286	2211.0559	0.0273	12	41	61	HTQSGTTGGPAKNNQHF ASDR					Mascot
2230.1245	2230.125	0.0005	0	62	82	GQSGAPTRQTQLIDINAA CTK			Carbamidomethyl (C)[19]		Mascot

32 small ubiquitin-related modifier 3 precursor [Danio rerio] gi|239048085 10690.3 5.34 5 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
838.4893	838.5232	0.0339	40	35	41	RHTPLSK					Mascot
848.4182	848.5057	0.0875	103	1	7	MSEKPK					Mascot
864.4131	864.5037	0.0906	105	1	7	MSEKPK			Oxidation (M)[1]		Mascot
1234.6426	1234.6521	0.0095	8	21	32	VAGQDGSVVQFK					Mascot
1475.8217	1475.7213	-0.1004	-68	21	34	VAGQDGSVVQFKIK					Mascot
2299.1677	2299.1255	-0.0422	-18	12	32	TENDHINLKVAGQDGSV VQFK					Mascot

33 small ubiquitin-related modifier 3-like precursor [Danio rerio] gi|55742575 10676.3 5.32 5 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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														Seq.	Seq.	Score					
		838.4893	838.5232	0.0339	40	35	41	RHTPLSK								Mascot					
		850.3975	850.5219	0.1244	146	1	7	MSEDKPK					Oxidation (M)[1]			Mascot					
		850.3975	850.5219	0.1244	146	1	7	MSEDKPK					Oxidation (M)[1]			Mascot					
		1234.6426	1234.6521	0.0095	8	21	32	VAGQDGSVVQFK								Mascot					
		1475.8217	1475.7213	-0.1004	-68	21	34	VAGQDGSVVQFKIK								Mascot					
		2299.1677	2299.1255	-0.0422	-18	12	32	TENDHINLKVAGQDGSV VQFK								Mascot					
34	novel protein [Danio rerio]					gi 220679374			21610.4	6.31	6	34	0								
Peptide Information																					
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank	Result	Type					
		864.4097	864.5037	0.094	109	38	44	DFTPEQK								Mascot					
		868.4562	868.5291	0.0729	84	182	188	FAFNLEK								Mascot					
		882.4567	882.546	0.0893	101	189	196	EISGYVSK								Mascot					
		899.4403	899.4459	0.0056	6	141	147	HCLEELR								Mascot					
		1066.48	1066.4749	-0.0051	-5	28	37	LFGAESGDDR								Mascot					
		1118.6099	1118.4878	-0.1221	-109	58	67	QVRSVCLSR								Mascot					
35	LOC562077 protein [Danio rerio]					gi 163915615			26138	7.3	7	34	0								
Peptide Information																					
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank	Result	Type					
		856.5502	856.5094	-0.0408	-48	19	26	GALIELLK								Mascot					
		870.577	870.5245	-0.0525	-60	65	71	VLKEILR								Mascot					
		1032.6564	1032.5653	-0.0911	-88	209	216	LLNLYIKR								Mascot					
		1165.6801	1165.7203	0.0402	34	55	64	DHTIRALALR								Mascot					
		1165.6801	1165.7203	0.0402	34	55	64	DHTIRALALR								Mascot					
		1475.6802	1475.7213	0.0411	28	30	41	EDSLAVWDEHFK								Mascot					
		2083.0125	2083.0249	0.0124	6	102	121	AAEEAASTLAGSIHPEQC IK					Carbamidomethyl (C)[18]			Mascot					
		2099.157	2099.0298	-0.1272	-61	122	140	VLCPIVQTADYPINLAAIK					Carbamidomethyl (C)[3]			Mascot					
36	splicing factor 3A subunit 2 [Danio rerio]					gi 41054840			31327.2	9.6	7	33	0								
Peptide Information																					
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification	Rank	Result	Type					

	882.4791	882.546	0.0669	76	159	165	IEPPDRR										Mascot
	961.4948	961.4526	-0.0422	-44	187	194	EIDKAETR										Mascot
	1107.4888	1107.5242	0.0354	32	49	57	NHLGSYECK						Carbamidomethyl (C)[8]				Mascot
	1191.7096	1191.6252	-0.0844	-71	217	229	ALVAPSGPPVGVK										Mascot
	1191.7096	1191.6252	-0.0844	-71	217	229	ALVAPSGPPVGVK										Mascot
	1279.5873	1279.7494	0.1621	127	11	24	TGSGGVASASENR										Mascot
	2099.0339	2099.0298	-0.0041	-2	58	76	LCLTLHNNEGSYLAHTQ GK										Mascot
	2284.1501	2284.1226	-0.0275	-12	58	77	LCLTLHNNEGSYLAHTQ GKK						Carbamidomethyl (C)[2]				Mascot
37	proteasome subunit beta type-2 [Danio rerio]				gi 50540284		22571.6	6.1	6	33	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
848.4182	848.5057	0.0875	103	163	169	CLEELNK					Mascot
864.4573	864.5037	0.0464	54	87	93	NLADYLR					Mascot
882.4753	882.546	0.0707	80	35	41	MFKLSEK					Mascot
916.4985	916.4656	-0.0329	-36	154	161	EEAVDLLK					Mascot
1051.5717	1051.6913	0.1196	114	63	70	NVQLYKMR					Mascot
1107.5906	1107.5242	-0.0664	-60	87	95	NLADYLRSR					Mascot

38	PREDICTED: hypothetical protein LOC559994 [Danio rerio]				gi 326677062		1030064.3	5.62	48	33	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
838.5145	838.5232	0.0087	10	1894	1900	EALHKLK					Mascot
850.5032	850.5219	0.0187	22	247	253	LKELYGK					Mascot
850.5185	850.5219	0.0034	4	8569	8575	IKPFAFK					Mascot
856.5138	856.5094	-0.0044	-5	1082	1089	LGIIEPSK					Mascot
864.4321	864.5037	0.0716	83	3272	3278	EERAFAGR					Mascot
870.5559	870.5245	-0.0314	-36	1536	1542	ALLLWVR					Mascot
882.4679	882.546	0.0781	89	3102	3108	NLHEELK					Mascot
899.4767	899.4459	-0.0308	-34	1192	1198	LMDHVLRL			Oxidation (M)[2]		Mascot
916.5363	916.4656	-0.0707	-77	1385	1391	LFPREVR					Mascot
961.5425	961.4526	-0.0899	-93	8692	8699	SETRLLSR					Mascot
1016.5523	1016.5694	0.0171	17	9136	9144	ALIPFANDR					Mascot
1026.464	1026.4753	0.0113	11	910	917	TWYDQSAR					Mascot

1032.5758	1032.5653	-0.0105	-10	6197	6205	QALMITLDK		Mascot
1045.5636	1045.5388	-0.0248	-24	8277	8285	DLEVRSAQK		Mascot
1052.5411	1052.4591	-0.082	-78	1947	1955	VLGAWESYK		Mascot
1052.5411	1052.4591	-0.082	-78	1947	1955	VLGAWESYK		Mascot
1062.536	1062.6699	0.1339	126	3153	3160	TKCLEQQR	Carbamidomethyl (C)[3]	Mascot
1107.6561	1107.5242	-0.1319	-119	8567	8575	EKIKPFAFK		Mascot
1109.5231	1109.4716	-0.0515	-46	1656	1663	EMKCWLQR	Oxidation (M)[2]	Mascot
1118.5476	1118.4878	-0.0598	-53	5497	5506	ADVFSHTDVK		Mascot
1133.5731	1133.6927	0.1196	106	7273	7281	ARLQDVMER	Oxidation (M)[7]	Mascot
1137.5205	1137.5684	0.0479	42	8630	8639	LGELMNSSDR	Oxidation (M)[5]	Mascot
1163.5725	1163.6067	0.0342	29	2826	2835	DMDLLSQSVR		Mascot
1173.611	1173.6058	-0.0052	-4	2063	2073	DTLEVSSGPLR		Mascot
1179.5674	1179.5754	0.008	7	2826	2835	DMDLLSQSVR	Oxidation (M)[2]	Mascot
1191.4946	1191.6252	0.1306	110	4999	5009	TMSESHGEADK		Mascot
1191.4946	1191.6252	0.1306	110	4999	5009	TMSESHGEADK		Mascot
1234.6348	1234.6521	0.0173	14	3360	3370	EQCASLTELK		Mascot
1279.6562	1279.7494	0.0932	73	5890	5900	TLKQDVTMSEK		Mascot
1308.6947	1308.6364	-0.0583	-45	9022	9032	ALAYTITQNWK		Mascot
1316.6416	1316.5607	-0.0809	-61	6672	6682	VPEVPHCPEPR	Carbamidomethyl (C)[7]	Mascot
1320.5968	1320.549	-0.0478	-36	8122	8131	WSQYEEVSHR		Mascot
1334.7467	1334.8641	0.1174	88	733	743	YPEVFPLRSVK		Mascot
1434.8467	1434.738	-0.1087	-76	8569	8580	IKPFAFKLLSDR		Mascot
1475.7522	1475.7213	-0.0309	-21	6801	6813	QEAKILECSVAER		Mascot
1785.8588	1785.8751	0.0163	9	8808	8821	MYGELLRDQNFQKQ	Oxidation (M)[1]	Mascot
1801.9014	1801.8739	-0.0275	-15	7449	7464	TYTTAKCIHGHANSLK	Carbamidomethyl (C)[7]	Mascot
1801.9556	1801.8739	-0.0817	-45	2767	2781	NHLDEHIQDVITVIR		Mascot
1834.8552	1834.8969	0.0417	23	6462	6476	EIREEVTELDEEESK		Mascot
2083.0315	2083.0249	-0.0066	-3	6317	6335	SVSSGHLSQGQIDWQNA IR		Mascot
2099.1528	2099.0298	-0.123	-59	6542	6559	TTIPELRVQLQVCTEALK	Carbamidomethyl (C)[13]	Mascot
2112.0237	2112.0046	-0.0191	-9	4102	4120	MTADSESQRQTSEITVLAT R	Oxidation (M)[1]	Mascot
2211.126	2211.0559	-0.0701	-32	8508	8526	MSAAELQTTGVIYRLELC R	Carbamidomethyl (C)[18]	Mascot
2224.9873	2225.0674	0.0801	36	4312	4333	VTDAETSSQIGACAEDNE SGIK		Mascot
2224.9873	2225.0674	0.0801	36	4312	4333	VTDAETSSQIGACAEDNE SGIK		Mascot
2230.1643	2230.125	-0.0393	-18	6653	6671	DSLLALESVKHMLMELLC K	Carbamidomethyl (C)[18]	Mascot
2233.0012	2233.0322	0.031	14	8235	8252	DSTELEEWMRCAHEQLQ K		Mascot

2236.9792	2237.0571	0.0779	35	358	376	MPICYLCNQEGHTKPMC PR	Oxidation (M)[1]	Mascot
2248.9961	2249.0198	0.0237	11	8235	8252	DSTELEEWMRCAHEQLQ K	Oxidation (M)[9]	Mascot
2283.1333	2283.1245	-0.0088	-4	7195	7214	ESPQICQDLQSLGHCRS LR		Mascot
2283.1333	2283.1245	-0.0088	-4	7195	7214	ESPQICQDLQSLGHCRS LR		Mascot
2284.022	2284.1226	0.1006	44	3439	3458	RVLDCDAPFESEADTL MDR		Mascot
2297.1455	2297.1226	-0.0229	-10	8621	8639	VLLNQHWERLGELMNSS DR		Mascot
2299.0984	2299.1255	0.0271	12	2881	2901	VEDIQHLTVSSDLAPCQ NSR		Mascot
2300.0168	2300.1196	0.1028	45	3439	3458	RVLDCDAPFESEADTL MDR	Oxidation (M)[18]	Mascot
2300.0168	2300.1196	0.1028	45	3439	3458	RVLDCDAPFESEADTL MDR	Oxidation (M)[18]	Mascot

39 PREDICTED: hypothetical protein LOC100537788, partial [Danio rerio] gi|326680782 28986.4 4.75 7 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
868.4159	868.5291	0.1132	130	53	59	SREAYDK					Mascot
1052.516	1052.4591	-0.0569	-54	141	148	DWHPLQEK					Mascot
1052.516	1052.4591	-0.0569	-54	141	148	DWHPLQEK					Mascot
1334.6919	1334.8641	0.1722	129	197	207	LICEMARQIGK			Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot
1475.7887	1475.7213	-0.0674	-46	41	52	TDLLRLSEEMR					Mascot
1493.6835	1493.701	0.0175	12	28	40	LCQECGLDAKGSR			Carbamidomethyl (C)[2,5]		Mascot
1785.9098	1785.8751	-0.0347	-19	208	221	DIYIEDFYVVPVWK					Mascot
2210.9482	2211.0559	0.1077	49	185	203	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10], Oxidation (M)[2]		Mascot
2283.9646	2284.1226	0.158	69	185	203	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]		Mascot
2299.9597	2300.1196	0.1599	70	185	203	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]		Mascot
2299.9597	2300.1196	0.1599	70	185	203	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]		Mascot

40 RecName: Full=Tudor domain-containing protein 7B gi|334351210 121757 8.62 14 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
848.4545	848.5057	0.0512	60	939	945	MEEKALK					Mascot
864.4495	864.5037	0.0542	63	939	945	MEEKALK			Oxidation (M)[1]		Mascot
870.4679	870.5245	0.0566	65	984	991	HELVSGTK					Mascot
916.441	916.4656	0.0246	27	465	472	YIGEGYSK					Mascot

		1062.5499	1062.6699	0.12	113	1	9	MADEELVKK										Mascot
		1107.5979	1107.5242	-0.0737	-67	184	192	MTLPSRFQK										Mascot
		1109.4966	1109.4716	-0.025	-23	516	525	AQVCEVMADK									Oxidation (M)[7]	Mascot
		1118.635	1118.4878	-0.1472	-132	10	19	MVRAVLQSSK										Mascot
		1320.6035	1320.549	-0.0545	-41	146	157	TGCMRDPQLDGK										Mascot
		1330.6671	1330.7188	0.0517	39	776	787	DTVLHISDCSLK										Mascot
		1330.6671	1330.7188	0.0517	39	776	787	DTVLHISDCSLK										Mascot
		1334.7579	1334.8641	0.1062	80	796	806	RLAHVYLFTSK										Mascot
		1818.9556	1818.8862	-0.0694	-38	841	857	SLNVPTATQTSSLKTDR										Mascot
		2225.1013	2225.0674	-0.0339	-15	925	942	LVVLMGEMILHYNKMEEK									Oxidation (M)[5,8,15]	Mascot
		2225.1013	2225.0674	-0.0339	-15	925	942	LVVLMGEMILHYNKMEEK									Oxidation (M)[5,8,15]	Mascot
		2249.1482	2249.0198	-0.1284	-57	445	464	VEYPSVLVVDASDTNCVI LR									Carbamidomethyl (C)[16]	Mascot
		2283.0308	2283.1245	0.0937	41	1067	1085	DIWLHDIMAEFTDEMTKT A									Oxidation (M)[8]	Mascot
		2283.0308	2283.1245	0.0937	41	1067	1085	DIWLHDIMAEFTDEMTKT A									Oxidation (M)[8]	Mascot
		2299.0256	2299.1255	0.0999	43	1067	1085	DIWLHDIMAEFTDEMTKT A									Oxidation (M)[8,15]	Mascot
41	MCM6 minichromosome maintenance deficient 6, like [Danio rerio]					gil70887711		93152.1	5.23	12	32	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.49	856.5094	0.0194	23	87	93	AVRHFAR					Mascot
868.4233	868.5291	0.1058	122	185	191	FMLDTNK					Mascot
996.5261	996.5751	0.049	49	194	201	FVDFQKGR					Mascot
996.5261	996.5751	0.049	49	194	201	FVDFQKGR					Mascot
1026.5367	1026.4753	-0.0614	-60	192	199	SRFVDFQK					Mascot
1163.6531	1163.6067	-0.0464	-40	280	289	ALGVRELSYR					Mascot
1165.6252	1165.7203	0.0951	82	747	755	SELINWYLK					Mascot
1165.6252	1165.7203	0.0951	82	747	755	SELINWYLK					Mascot
1234.7228	1234.6521	-0.0707	-57	361	372	GILLMLFGGVAK			Oxidation (M)[5]		Mascot
1475.7502	1475.7213	-0.0289	-20	90	102	HFARDHGNIPPSK					Mascot
1707.8306	1707.7284	-0.1022	-60	168	182	YTQPTICKNPVCANR					Mascot
2211.1875	2211.0559	-0.1316	-60	361	381	GILLMLFGGVAKTTMEGT SLR			Oxidation (M)[5]		Mascot
2297.1812	2297.1226	-0.0586	-26	575	593	QFQPKITVEAQEFVDQY K					Mascot
3262.5652	3262.5715	0.0063	2	53	79	NTLTVSFSNIEHYNQQLA TTIQEYYR					Mascot

42 novel protein similar to H.sapiens TSC22 domain family, gi|169158974 14668.4 5.18 5 32 0
member (zgc:85857) [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1062.5499	1062.6699	0.12	113	42	50	IEQAMDLVK			Oxidation (M)[5]		Mascot
1066.6116	1066.4749	-0.1367	-128	3	11	ETVLRVHGR					Mascot
1173.5503	1173.6058	0.0555	47	8	17	VHGRDEMAMK					Mascot
1234.6273	1234.6521	0.0248	20	29	41	SSSGASVVAIDNK					Mascot
1818.9418	1818.8862	-0.0556	-31	51	65	SHLMYAVREEVEVLK			Oxidation (M)[4]		Mascot

43 SH3 domain-binding protein 4-A [Danio rerio] gi|45387913 104947.5 7.73 12 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5822	842.4901	-0.0921	-109	634	640	LIKTVIR					Mascot
850.4338	850.5219	0.0881	104	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
850.4338	850.5219	0.0881	104	358	364	LSNMEIK			Oxidation (M)[4]		Mascot
870.4726	870.5245	0.0519	60	1	7	MAAHRIR			Oxidation (M)[1]		Mascot
1045.4796	1045.5388	0.0592	57	762	770	AELDSEPER					Mascot
1107.5793	1107.5242	-0.0551	-50	49	59	LAPSTSFGTAR					Mascot
1173.5647	1173.6058	0.0411	35	247	256	APSPEQFQNR					Mascot
1434.7158	1434.738	0.0222	15	885	896	DVIHELHMGDLR					Mascot
1815.8959	1815.8019	-0.094	-52	432	446	HVSFSSNVWNHMKK			Oxidation (M)[12]		Mascot
2230.2417	2230.125	-0.1167	-52	813	831	LIMDFVLLTTAVEVAPRW R					Mascot
2284.2368	2284.1226	-0.1142	-50	463	484	TVVAIFGHDCAPKLLVS EVGK					Mascot
2300.0686	2300.1196	0.051	22	568	587	DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5]		Mascot
2300.0686	2300.1196	0.051	22	568	587	DDQDCILAQFCVQTPQP PPK			Carbamidomethyl (C)[5]		Mascot
3338.5496	3338.6702	0.1206	36	856	884	TGMVDSEAMWKPAYDFL LTWAAQIGDSYR			Oxidation (M)[3]		Mascot

44 NEDD8 [Danio rerio] gi|142934400 9062.9 6.1 4 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1052.5483	1052.4591	-0.0892	-85	34	42	EGIPPQQQR					Mascot
1052.5483	1052.4591	-0.0892	-85	34	42	EGIPPQQQR					Mascot

1475.9056	1475.7213	-0.1843	-125	61	74	IQGGSVLHLVLALR	Mascot
1801.943	1801.8739	-0.0691	-38	7	22	TLTGKEIDIEPTDK	Mascot
1801.943	1801.8739	-0.0691	-38	7	22	TLTGKEIDIEPTDK	Mascot
2083.177	2083.0249	-0.1521	-73	61	80	IQGGSVLHLVLALRGGEN LH	Mascot

45 PREDICTED: transient receptor potential cation channel subfamily M member 6-like [Danio rerio] gi|326667824 34464.4 6.31 7 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.4213	801.3383	-0.083	-104	139	144	EIQQQR					Mascot
864.5189	864.5037	-0.0152	-18	106	113	LGSVYVVK					Mascot
961.5247	961.4526	-0.0721	-75	145	152	AAQKLMQR			Oxidation (M)[6]		Mascot
1066.3862	1066.4749	0.0887	83	276	283	HTCNSCKK			Carbamidomethyl (C)[3,6,7]		Mascot
1137.4598	1137.5684	0.1086	95	276	284	HTCNSCKK			Carbamidomethyl (C)[3,6]		Mascot
1819.0588	1818.8862	-0.1726	-95	106	121	LGSVYVVKAFRPEVVR					Mascot
2237.2388	2237.0571	-0.1817	-81	227	247	ELLVLDLQGVGADLTDP LIR					Mascot

46 PREDICTED: rho GTPase-activating protein 21-like [Danio rerio] gi|326679518 211650.9 8.29 19 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4417	850.5219	0.0802	94	225	231	VFSENV					Mascot
850.4417	850.5219	0.0802	94	225	231	VFSENV					Mascot
916.5098	916.4656	-0.0442	-48	84	92	VNGESIIGK					Mascot
996.4971	996.5751	0.078	78	941	948	GHCLYLYK					Mascot
996.4971	996.5751	0.078	78	941	948	GHCLYLYK					Mascot
1016.4894	1016.5694	0.08	79	1095	1103	DETSPPKDK					Mascot
1032.4819	1032.5653	0.0834	81	1479	1486	NSFFMKDK			Oxidation (M)[5]		Mascot
1045.5248	1045.5388	0.014	13	372	379	RLMYGSR					Mascot
1052.5748	1052.4591	-0.1157	-110	874	882	HTHGFKGLR					Mascot
1052.5748	1052.4591	-0.1157	-110	874	882	HTHGFKGLR					Mascot
1137.6561	1137.5684	-0.0877	-77	1656	1665	LACRLPSHK					Mascot
1163.6274	1163.6067	-0.0207	-18	1707	1715	LCRVLEVMK			Carbamidomethyl (C)[2], Oxidation (M)[8]		Mascot
1191.615	1191.6252	0.0102	9	1666	1675	LIECDLSRR					Mascot
1191.615	1191.6252	0.0102	9	1666	1675	LIECDLSRR					Mascot

	1234.6387	1234.6521	0.0134	11	402	413	QKSASTTATPSR						Mascot
	1279.6793	1279.7494	0.0701	55	2	12	SFLFSSQAKHK						Mascot
	1434.6754	1434.738	0.0626	44	441	454	SASQERLGGAECAR						Mascot
	1475.6986	1475.7213	0.0227	15	1077	1089	ATSPHSPNKEHDR						Mascot
	1801.9482	1801.8739	-0.0743	-41	55	70	HFIVYPPESAVQSSLK						Mascot
	1801.9482	1801.8739	-0.0743	-41	55	70	HFIVYPPESAVQSSLK						Mascot
	1815.7953	1815.8019	0.0066	4	1415	1430	LQPSSSDDDLDTMFTK			Oxidation (M)[13]			Mascot
	2283.0723	2283.1245	0.0522	23	1781	1799	HTMGGQRDFAELDVIHD WR						Mascot
	2283.0723	2283.1245	0.0522	23	1781	1799	HTMGGQRDFAELDVIHD WR						Mascot
	2297.0137	2297.1226	0.1089	47	1431	1450	NNNPTQKQSHQSQEED AGR						Mascot
	2299.0674	2299.1255	0.0581	25	1781	1799	HTMGGQRDFAELDVIHD WR			Oxidation (M)[3]			Mascot
	3338.5588	3338.6702	0.1114	33	1513	1544	CSISDPSSQLDETTSDLG TMSSGASVPRTTRPR						Mascot
47	Replication factor C (activator 1) 3 [Danio rerio]				gi 156230598	40370	8.72	10	31	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.3381	801.3383	0.0002	0	155	160	YMATCR			Carbamidomethyl (C)[5]		Mascot
856.5363	856.5094	-0.0269	-31	271	277	LLEVRAR					Mascot
916.496	916.4656	-0.0304	-33	339	345	FMAIYKK			Oxidation (M)[2]		Mascot
1062.5911	1062.6699	0.0788	74	50	57	TRIMCLLR			Carbamidomethyl (C)[5]		Mascot
1066.4843	1066.4749	-0.0094	-9	226	234	ALLMCEACR			Carbamidomethyl (C)[5]		Mascot
1137.5577	1137.5684	0.0107	9	225	234	KALLMCEACR					Mascot
1179.6984	1179.5754	-0.123	-104	203	213	EGLLLPPELAK					Mascot
1234.679	1234.6521	-0.0269	-22	58	68	ELYGAGVEKLR					Mascot
1493.6439	1493.701	0.0571	38	345	356	KFMEDGLDNFMF					Mascot
2300.1855	2300.1196	-0.0659	-29	28	49	NLVQCGDFPHLLVYGPS GAGKK					Mascot
2300.1855	2300.1196	-0.0659	-29	28	49	NLVQCGDFPHLLVYGPS GAGKK					Mascot

48 intraflagellar transport 81 homolog [Danio rerio] gi|159570779 78814.9 6.43 14 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
870.5519	870.5245	-0.0274	-31	616	622	VLRQQVK					Mascot
916.4734	916.4656	-0.0078	-9	367	374	EELAAVER					Mascot
961.4948	961.4526	-0.0422	-44	543	550	STLEQEVK					Mascot

	1045.5636	1045.5388	-0.0248	-24	430	437	TEEILRER										Mascot
	1133.5698	1133.6927	0.1229	108	231	239	NQLFQAEQR										Mascot
	1173.6045	1173.6058	0.0013	1	281	289	LPRELENMR					Oxidation (M)[8]					Mascot
	1179.6342	1179.5754	-0.0588	-50	195	204	RVEAVANHQR										Mascot
	1191.6289	1191.6252	-0.0037	-3	640	649	DLETLECKK										Mascot
	1191.6289	1191.6252	-0.0037	-3	640	649	DLETLECKK										Mascot
	1334.6844	1334.8641	0.1797	135	586	596	ISQSMDVQVRR					Oxidation (M)[5]					Mascot
	1434.7006	1434.738	0.0374	26	375	386	ELNMKTSQAQER										Mascot
	1448.6976	1448.8962	0.1986	137	551	562	TLREETAQEEER										Mascot
	2225.0879	2225.0674	-0.0205	-9	563	579	YHHINCEREIIESQIQR					Carbamidomethyl (C)[6]					Mascot
	2225.0879	2225.0674	-0.0205	-9	563	579	YHHINCEREIIESQIQR					Carbamidomethyl (C)[6]					Mascot
	2233.1646	2233.0322	-0.1324	-59	291	310	VVQYLQKVASEPAMGQA ELR					Oxidation (M)[14]					Mascot
	2283.1914	2283.1245	-0.0669	-29	650	670	QCYLKAQSQAPIGHVIQD VGK										Mascot
	2283.1914	2283.1245	-0.0669	-29	650	670	QCYLKAQSQAPIGHVIQD VGK										Mascot

49

PREDICTED: lysophosphatidic acid receptor 4-like [Danio rerio]

gi|125834502

39635.2

8.92

1

15

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
1330.6783	1330.7188	0.0405	30	216	227	QPATLCQIGTNK	15	0	Carbamidomethyl (C)[6]	3	Mascot	

50

PREDICTED: hypothetical protein LOC100333744 [Danio rerio]

gi|292626810

67989.3

6.7

1

14

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
1191.5865	1191.6252	0.0387	32	525	534	QHHLDTTSPR	14	0		2	Mascot	

Gel Idx/Pos	265/K17	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	peptidylprolyl isomerase A, like [Danio rerio]	gi 41152400	17477.6	8.26	6	185	100	152	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
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		1142.5364	1142.5076	-0.0288	-25	83	91	FEDENFTLK									Mascot
		1154.6093	1154.5826	-0.0267	-23	6	15	VFFDITIDGK	67	99.993							Mascot
		1154.6093	1154.5826	-0.0267	-23	6	15	VFFDITIDGK									Mascot
		1173.6409	1173.5985	-0.0424	-36	16	25	EAGRIVMELR									Mascot
		1173.6409	1173.5985	-0.0424	-36	16	25	EAGRIVMELR									Mascot
		1330.646	1330.7112	0.0652	49	38	49	ALCTGEKGFGYK			Carbamidomethyl (C)[3]						Mascot
		1371.7366	1371.7028	-0.0338	-25	132	144	VVDGLDVVDAIEK									Mascot
		1804.8751	1804.8334	-0.0417	-23	77	91	SIYGNKFEDENFTLK									Mascot
		1804.8751	1804.8334	-0.0417	-23	77	91	SIYGNKFEDENFTLK	85	100							Mascot
2	peptidylprolyl isomerase A [Danio rerio]						gi 37362270	17476.6	8.59	5	177	100	152	100			
	Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type			
	1142.5364	1142.5076	-0.0288	-25	83	91	FEDENFTLK										Mascot
	1154.6093	1154.5826	-0.0267	-23	6	15	VFFDITIDGK	67	99.993								Mascot
	1154.6093	1154.5826	-0.0267	-23	6	15	VFFDITIDGK										Mascot
	1173.6409	1173.5985	-0.0424	-36	16	25	EAGRIVMELR										Mascot
	1173.6409	1173.5985	-0.0424	-36	16	25	EAGRIVMELR										Mascot
	1330.646	1330.7112	0.0652	49	38	49	ALCTGEKGFGYK				Carbamidomethyl (C)[3]						Mascot
	1804.8751	1804.8334	-0.0417	-23	77	91	SIYGNKFEDENFTLK										Mascot
	1804.8751	1804.8334	-0.0417	-23	77	91	SIYGNKFEDENFTLK	85	100								Mascot
3	2-peptidylprolyl isomerase A [Danio rerio]						gi 47086533	17389.6	8.87	3	169	100	156	100			
	Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type			
	1371.6361	1371.7028	0.0667	49	38	49	QLCTGQPGYGYK				Carbamidomethyl (C)[3]						Mascot
	1449.7484	1449.7129	-0.0355	-24	6	19	VFFDLTAGGNPVGR										Mascot
	1449.7484	1449.7129	-0.0355	-24	6	19	VFFDLTAGGNPVGR	88	100								Mascot
	1638.9213	1638.8242	-0.0971	-59	126	140	HVVFQQVVEGLDVIK	67	99.994								Mascot
	1638.9213	1638.8242	-0.0971	-59	126	140	HVVFQQVVEGLDVIK										Mascot
4	Ppia protein [Danio rerio]						gi 37590831	19357.6	9.3	3	167	100	156	100			
	Peptide Information																
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type			

		1371.6361	1371.7028	0.0667	49	57	68	QLCTGQPGYGYK					Carbamidomethyl (C)[3]		Mascot
		1449.7484	1449.7129	-0.0355	-24	25	38	VFFDLTAGGNPVGR							Mascot
		1449.7484	1449.7129	-0.0355	-24	25	38	VFFDLTAGGNPVGR	88	100					Mascot
		1638.9213	1638.8242	-0.0971	-59	145	159	HVVFQQVVEGLDVIK	67	99.994					Mascot
		1638.9213	1638.8242	-0.0971	-59	145	159	HVVFQQVVEGLDVIK							Mascot
5	Ppia protein [Danio rerio]						gi 29294733	20194.1	9.54	3	166	100	156	100	
	Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification		Rank	Result Type
		1371.6361	1371.7028	0.0667	49	64	75	QLCTGQPGYGYK				Carbamidomethyl (C)[3]			Mascot
		1449.7484	1449.7129	-0.0355	-24	32	45	VFFDLTAGGNPVGR							Mascot
		1449.7484	1449.7129	-0.0355	-24	32	45	VFFDLTAGGNPVGR	88	100					Mascot
		1638.9213	1638.8242	-0.0971	-59	152	166	HVVFQQVVEGLDVIK	67	99.994					Mascot
		1638.9213	1638.8242	-0.0971	-59	152	166	HVVFQQVVEGLDVIK							Mascot
6	vitellogenin 6 [Danio rerio]						gi 57864787	38968.8	8.92	5	84	99.982	68	99.995	
	Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification		Rank	Result Type
		1173.6262	1173.5985	-0.0277	-24	14	23	LEFEVQVGPR	68	99.995					Mascot
		1173.6262	1173.5985	-0.0277	-24	14	23	LEFEVQVGPR							Mascot
		1193.6348	1193.5977	-0.0371	-31	115	124	TATIMEPFRK							Mascot
		1791.8523	1791.6824	-0.1699	-95	227	241	FSWGAECKQYAVFAK				Carbamidomethyl (C)[7]			Mascot
		1804.8687	1804.8334	-0.0353	-20	276	290	CILNAAYDTGFRFEK				Carbamidomethyl (C)[1]			Mascot
		1804.8687	1804.8334	-0.0353	-20	276	290	CILNAAYDTGFRFEK				Carbamidomethyl (C)[1]			Mascot
		2299.2292	2299.1326	-0.0966	-42	31	50	QINIIDDDTPEGQAFLLKL R							Mascot
7	peptidylprolyl isomerase A (cyclophilin A) [Danio rerio]						gi 220673291	17392.6	8.87	3	81	99.965	67	99.994	
	Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification		Rank	Result Type
		1371.6361	1371.7028	0.0667	49	38	49	QLCTGQPGYGYK				Carbamidomethyl (C)[3]			Mascot
		1422.7375	1422.7	-0.0375	-26	6	19	VFFDLTAGGSPVGR							Mascot
		1638.9213	1638.8242	-0.0971	-59	126	140	HVVFQQVVEGLDVIK	67	99.994					Mascot
		1638.9213	1638.8242	-0.0971	-59	126	140	HVVFQQVVEGLDVIK							Mascot

8 Ppia protein [Danio rerio] gi|38541767 19459.7 9.3 3 79 99.945 67 99.994

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1371.6361	1371.7028	0.0667	49	58	69	QLCTGQPGYGYK			Carbamidomethyl (C)[3]		Mascot	
1422.7375	1422.7	-0.0375	-26	26	39	VFFDLTAGGSPVGR					Mascot	
1638.9213	1638.8242	-0.0971	-59	146	160	HVVFGQVVEGLDVIK	67	99.994			Mascot	
1638.9213	1638.8242	-0.0971	-59	146	160	HVVFGQVVEGLDVIK					Mascot	

9 vitellogenin 2 isoform 1 [Danio rerio] gi|113678458 179782.8 8.7 10 78 99.934 68 99.995

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
850.4702	850.5191	0.0489	57	1547	1553	MKLESVK			Oxidation (M)[1]		Mascot	
941.5414	941.4567	-0.0847	-90	303	311	ISNAPAQIK					Mascot	
1052.5444	1052.4579	-0.0865	-82	1213	1222	FCADGVLLSK					Mascot	
1109.5659	1109.4681	-0.0978	-88	1213	1222	FCADGVLLSK			Carbamidomethyl (C)[2]		Mascot	
1173.6262	1173.5985	-0.0277	-24	1024	1033	LEFEVQVGPR	68	99.995			Mascot	
1173.6262	1173.5985	-0.0277	-24	1024	1033	LEFEVQVGPR					Mascot	
1179.5892	1179.573	-0.0162	-14	164	173	TQYVISEDPK					Mascot	
1179.5892	1179.573	-0.0162	-14	164	173	TQYVISEDPK					Mascot	
1272.7675	1272.6376	-0.1299	-102	135	145	GILNILQLNFK					Mascot	
1308.6616	1308.6292	-0.0324	-25	1225	1236	VTSKVTWGAECK					Mascot	
1596.7699	1596.733	-0.0369	-23	983	996	GCVEVHSHNAAFIR			Carbamidomethyl (C)[2]		Mascot	
1851.8905	1851.8807	-0.0098	-5	147	163	TQNIYELQEAGAQGCK					Mascot	
2233.2446	2233.0339	-0.2107	-94	425	445	IATIPALREVVMLGYGSMIAK					Mascot	

10 vitellogenin 2 [Danio rerio] gi|57864779 68993.5 7.84 5 78 99.921 68 99.995

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
850.4702	850.5191	0.0489	57	538	544	MKLESVK			Oxidation (M)[1]		Mascot	
1052.5444	1052.4579	-0.0865	-82	204	213	FCADGVLLSK					Mascot	
1109.5659	1109.4681	-0.0978	-88	204	213	FCADGVLLSK			Carbamidomethyl (C)[2]		Mascot	
1173.6262	1173.5985	-0.0277	-24	15	24	LEFEVQVGPR	68	99.995			Mascot	
1173.6262	1173.5985	-0.0277	-24	15	24	LEFEVQVGPR					Mascot	

	1308.6616	1308.6292	-0.0324	-25	216	227	VTSKVTWGAECK										Mascot
	1851.7418	1851.8807	0.1389	75	607	622	ETTDAHVACRCTEQCA									Carbamidomethyl (C)[9,11]	Mascot
11	vitellogenin 1 [Danio rerio]				gi 166795887		149452.5	8.68	8	77	99.917	68	99.995				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1173.6262	1173.5985	-0.0277	-24	1022	1031	LEFEVQVGPR	68	99.995			Mascot
1173.6262	1173.5985	-0.0277	-24	1022	1031	LEFEVQVGPR					Mascot
1596.7699	1596.733	-0.0369	-23	981	994	GCVEVHSHNAAFIR			Carbamidomethyl (C)[2]		Mascot
1638.8485	1638.8242	-0.0243	-15	668	683	TYLAGAAADVVEFGVR					Mascot
1638.8485	1638.8242	-0.0243	-15	668	683	TYLAGAAADVVEFGVR					Mascot
1791.8523	1791.6824	-0.1699	-95	1230	1244	FSWGAECKQYAVFAK			Carbamidomethyl (C)[7]		Mascot
1970.8695	1970.967	0.0975	49	147	163	TQNIYEMQEAGAQQGVCR			Carbamidomethyl (C)[16], Oxidation (M)[7]		Mascot
2233.2009	2233.0339	-0.167	-75	593	614	SLTRITAPDMAYVAGAAN VAIK					Mascot
2299.2292	2299.1326	-0.0966	-42	1039	1058	QINIIDDDTPEGQAFLLKL R					Mascot
2705.3848	2705.0945	-0.2903	-107	1199	1223	VQLIVSSIAENDNMKICAD GALLSK			Carbamidomethyl (C)[17], Oxidation (M)[14]		Mascot

12	hypothetical protein LOC678536 [Danio rerio]				gi 160420306		148750.2	8.89	8	77	99.909	68	99.995				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1045.5465	1045.5389	-0.0076	-7	1346	1353	DFLSWIHK					Mascot
1118.5986	1118.4803	-0.1183	-106	1317	1325	IPEITMSRR			Oxidation (M)[6]		Mascot
1173.6262	1173.5985	-0.0277	-24	1022	1031	LEFEVQVGPR	68	99.995			Mascot
1173.6262	1173.5985	-0.0277	-24	1022	1031	LEFEVQVGPR					Mascot
1193.6348	1193.5977	-0.0371	-31	1116	1125	TATIMEPFRK					Mascot
1596.7699	1596.733	-0.0369	-23	981	994	GCVEVHSHNAAFIR			Carbamidomethyl (C)[2]		Mascot
1791.8523	1791.6824	-0.1699	-95	1228	1242	FSWGAECKQYAVFAK			Carbamidomethyl (C)[7]		Mascot
2233.2009	2233.0339	-0.167	-75	593	614	SLTRITAPDMAYVAGAAN VAIK					Mascot
2299.2292	2299.1326	-0.0966	-42	1039	1058	QINIIDDDTPEGQAFLLKL R					Mascot

13	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]				gi 94733734		149808.5	8.83	8	77	99.907	68	99.995				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	1173.6262	1173.5985	-0.0277	-24	1026	1035	LEFEVQVGPR	68	99.995		Mascot		
	1173.6262	1173.5985	-0.0277	-24	1026	1035	LEFEVQVGPR				Mascot		
	1193.6348	1193.5977	-0.0371	-31	1125	1134	TATIMEPFRK				Mascot		
	1596.7699	1596.733	-0.0369	-23	985	998	GCVEVHSHNAAFIR		Carbamidomethyl (C)[2]		Mascot		
	1638.8485	1638.8242	-0.0243	-15	672	687	TYLAGAAADVVEFGVR				Mascot		
	1638.8485	1638.8242	-0.0243	-15	672	687	TYLAGAAADVVEFGVR				Mascot		
	1791.8523	1791.6824	-0.1699	-95	1237	1251	FSWGAECKQYAVFAK		Carbamidomethyl (C)[7]		Mascot		
	1804.8687	1804.8334	-0.0353	-20	1286	1300	CILNAAYDTGFRFEK		Carbamidomethyl (C)[1]		Mascot		
	1804.8687	1804.8334	-0.0353	-20	1286	1300	CILNAAYDTGFRFEK		Carbamidomethyl (C)[1]		Mascot		
	2233.2009	2233.0339	-0.167	-75	597	618	SLTRITAPDMAYVAGAAN VAIK				Mascot		
	2299.2292	2299.1326	-0.0966	-42	1043	1062	QINIIDDDTPEGQAFLLKL R				Mascot		
14	vitellogenin 6 [Danio rerio]				gi 303227889		150936.1	8.84	8	77	99.905	68	99.995

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1173.6262	1173.5985	-0.0277	-24	1033	1042	LEFEVQVGPR	68	99.995			Mascot
	1173.6262	1173.5985	-0.0277	-24	1033	1042	LEFEVQVGPR					Mascot
	1193.6348	1193.5977	-0.0371	-31	1136	1145	TATIMEPFRK					Mascot
	1596.7699	1596.733	-0.0369	-23	992	1005	GCVEVHSHNAAFIR			Carbamidomethyl (C)[2]		Mascot
	1638.8485	1638.8242	-0.0243	-15	679	694	TYLAGAAADVVEFGVR					Mascot
	1638.8485	1638.8242	-0.0243	-15	679	694	TYLAGAAADVVEFGVR					Mascot
	1791.8523	1791.6824	-0.1699	-95	1248	1262	FSWGAECKQYAVFAK			Carbamidomethyl (C)[7]		Mascot
	1804.8687	1804.8334	-0.0353	-20	1297	1311	CILNAAYDTGFRFEK			Carbamidomethyl (C)[1]		Mascot
	1804.8687	1804.8334	-0.0353	-20	1297	1311	CILNAAYDTGFRFEK			Carbamidomethyl (C)[1]		Mascot
	2233.2009	2233.0339	-0.167	-75	604	625	SLTRITAPDMAYVAGAAN VAIK					Mascot
	2299.2292	2299.1326	-0.0966	-42	1050	1069	QINIIDDDTPEGQAFLLKL R					Mascot

15	Zgc:136383 protein [Danio rerio]				gi 159155252		123957.1	8.78	8	76	99.883	68	99.995
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1045.5465	1045.5389	-0.0076	-7	1123	1130	DFLSWIHK					Mascot
	1118.5986	1118.4803	-0.1183	-106	1094	1102	IPEITMSRR			Oxidation (M)[6]		Mascot
	1173.6262	1173.5985	-0.0277	-24	799	808	LEFEVQVGPR	68	99.995			Mascot
	1173.6262	1173.5985	-0.0277	-24	799	808	LEFEVQVGPR					Mascot

	1193.6348	1193.5977	-0.0371	-31	893	902	TATIMEPFRK								Mascot
	1596.7699	1596.733	-0.0369	-23	758	771	GCVEVHSHNAAFIR					Carbamidomethyl (C)[2]			Mascot
	1791.8523	1791.6824	-0.1699	-95	1005	1019	FSWGAECKQYAVFAK					Carbamidomethyl (C)[7]			Mascot
	2233.2009	2233.0339	-0.167	-75	370	391	SLTRITAPDMAYVAGAAN VAIK								Mascot
	2299.2292	2299.1326	-0.0966	-42	816	835	QINIIDDDTPEGQAFLLKL R								Mascot

16 vitellogenin 5 [Danio rerio] gi|57864785 72820.8 9 4 75 99.853 68 99.995

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1173.6262	1173.5985	-0.0277	-24	331	340	LEFEVQVGPR	68	99.995			Mascot
1173.6262	1173.5985	-0.0277	-24	331	340	LEFEVQVGPR					Mascot
1596.7699	1596.733	-0.0369	-23	290	303	GCVEVHSHNAAFIR			Carbamidomethyl (C)[2]		Mascot
1791.8523	1791.6824	-0.1699	-95	536	550	FSWGAECKQYAVFAK			Carbamidomethyl (C)[7]		Mascot
2299.2292	2299.1326	-0.0966	-42	348	367	QINIIDDDTPEGQAFLLKL R					Mascot

17 peptidylprolyl isomerase A (cyclophilin A) [Danio rerio] gi|220673292 10812.2 6.79 1 72 99.744 67 99.994

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1638.9213	1638.8242	-0.0971	-59	66	80	HVVFQGVVEGLDVIK	67	99.994			Mascot
1638.9213	1638.8242	-0.0971	-59	66	80	HVVFQGVVEGLDVIK					Mascot

18 Vtg1 protein [Danio rerio] gi|145337918 116565.5 9.07 5 68 99.209 68 99.995

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1173.6262	1173.5985	-0.0277	-24	728	737	LEFEVQVGPR	68	99.995			Mascot
1173.6262	1173.5985	-0.0277	-24	728	737	LEFEVQVGPR					Mascot
1596.7699	1596.733	-0.0369	-23	687	700	GCVEVHSHNAAFIR			Carbamidomethyl (C)[2]		Mascot
1791.8523	1791.6824	-0.1699	-95	936	950	FSWGAECKQYAVFAK			Carbamidomethyl (C)[7]		Mascot
2299.2292	2299.1326	-0.0966	-42	745	764	QINIIDDDTPEGQAFLLKL R					Mascot
2705.3848	2705.0945	-0.2903	-107	905	929	VQLIVSSIAENDNMKICAD GALLSK			Carbamidomethyl (C)[17], Oxidation (M)[14]		Mascot

19 vitellogenin 5 [Danio rerio] gi|68448530 148868 8.77 4 68 99.209 68 99.995

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I. %	Modification	Rank	Result Type
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														Seq.	Seq.	Score								
	1173.6262	1173.5985	-0.0277	-24	1022	1031	LEFEVQVGPR	68	99.995					Mascot										
	1173.6262	1173.5985	-0.0277	-24	1022	1031	LEFEVQVGPR								Mascot									
	1791.8523	1791.6824	-0.1699	-95	1230	1244	FSWGAECKQYAVFAK								Carbamidomethyl (C)[7] Mascot									
	1970.8695	1970.967	0.0975	49	147	163	TQNIYEMQEAGAQGVCRR								Carbamidomethyl (C)[16], Oxidation (M)[7] Mascot									
	2299.2292	2299.1326	-0.0966	-42	1039	1058	QINIIDDDTPEGQAFLLKL								Mascot									
20	vitellogenin 7 [Danio rerio]				gij156713467		148739.2	8.76	5	68	99.209	68	99.995											
Peptide Information																								
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type										
1109.4818	1109.4681	-0.0137	-12	1087	1097	SHSTSSSSSSR								Mascot										
1118.6238	1118.4803	-0.1435	-128	1209	1219	KICADGALLSK								Mascot										
1173.6262	1173.5985	-0.0277	-24	1022	1031	LEFEVQVGPR	68	99.995								Mascot								
1173.6262	1173.5985	-0.0277	-24	1022	1031	LEFEVQVGPR								Mascot										
1193.6083	1193.5977	-0.0106	-9	828	837	LESMTLDQLK								Oxidation (M)[4] Mascot										
1791.8523	1791.6824	-0.1699	-95	1226	1240	FSWGAECKQYAVFAK								Carbamidomethyl (C)[7] Mascot										
21	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]				gij94733731		149169.2	8.84	5	68	99.209	68	99.995											
Peptide Information																								
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type										
1173.6262	1173.5985	-0.0277	-24	1026	1035	LEFEVQVGPR	68	99.995								Mascot								
1173.6262	1173.5985	-0.0277	-24	1026	1035	LEFEVQVGPR								Mascot										
1596.7699	1596.733	-0.0369	-23	985	998	GCVEVHSHNAAFIR								Carbamidomethyl (C)[2] Mascot										
1791.8523	1791.6824	-0.1699	-95	1232	1246	FSWGAECKQYAVFAK								Carbamidomethyl (C)[7] Mascot										
1970.8695	1970.967	0.0975	49	151	167	TQNIYEMQEAGAQGVCRR								Carbamidomethyl (C)[16], Oxidation (M)[7] Mascot										
2299.2292	2299.1326	-0.0966	-42	1043	1062	QINIIDDDTPEGQAFLLKL								Mascot										
22	vitellogenin 1 [Danio rerio]				gij94733730		149140.4	8.74	6	68	99.209	68	99.995											
Peptide Information																								
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type										
1173.6262	1173.5985	-0.0277	-24	1022	1031	LEFEVQVGPR	68	99.995								Mascot								
1173.6262	1173.5985	-0.0277	-24	1022	1031	LEFEVQVGPR								Mascot										
1596.7699	1596.733	-0.0369	-23	981	994	GCVEVHSHNAAFIR								Carbamidomethyl (C)[2] Mascot										

	1791.8523	1791.6824	-0.1699	-95	1230	1244	FSWGAECKQYAVFAK				Carbamidomethyl (C)[7]	Mascot	
	1970.8695	1970.967	0.0975	49	147	163	TQNIYEMQEAGAQQGVCR				Carbamidomethyl (C)[16], Oxidation (M)[7]	Mascot	
	2299.2292	2299.1326	-0.0966	-42	1039	1058	QINIIDDDTPEGQAFLLKL R					Mascot	
	2705.3848	2705.0945	-0.2903	-107	1199	1223	VQLIVSSIAENDNMKICAD GALLSK				Carbamidomethyl (C)[17], Oxidation (M)[14]	Mascot	
23	nucleoside diphosphate kinase-Z1 [Danio rerio]				gi 6644111		17282.9	7.77	5	54	83.843	28	49.331

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1032.587	1032.5682	-0.0188	-18	20	28	GLMGEIIR				Oxidation (M)[3]		Mascot
	1052.4829	1052.4579	-0.025	-24	107	115	GDFCIEVGR				Carbamidomethyl (C)[4]		Mascot
	1191.6521	1191.6228	-0.0293	-25	58	67	DRPFYPGLVK	28	49.331				Mascot
	1191.6521	1191.6228	-0.0293	-25	58	67	DRPFYPGLVK						Mascot
	1234.531	1234.6508	0.1198	97	145	153	HCAQQWIYE				Carbamidomethyl (C)[2]		Mascot
	1234.531	1234.6508	0.1198	97	145	153	HCAQQWIYE				Carbamidomethyl (C)[2]		Mascot
	1330.7477	1330.7112	-0.0365	-27	8	19	TFIAVKPDGVQR						Mascot

24	PREDICTED: transformation/transcription domain-associated protein [Danio rerio]				gi 326672350		433471.2	8.52	35	49	38.571		
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	882.5155	882.5434	0.0279	32	2182	2189	AVHSLLSR						Mascot
	1003.4553	1003.5249	0.0696	69	3311	3318	CYSVAFEK				Carbamidomethyl (C)[1]		Mascot
	1032.5394	1032.5682	0.0288	28	922	930	ASIQLPMEK				Oxidation (M)[7]		Mascot
	1045.5095	1045.5389	0.0294	28	3604	3612	EVQGNMVPR				Oxidation (M)[6]		Mascot
	1109.566	1109.4681	-0.0979	-88	548	557	TITWGITSCK						Mascot
	1142.5002	1142.5076	0.0074	6	2306	2314	LSVMNMEMR				Oxidation (M)[4,6]		Mascot
	1154.6238	1154.5826	-0.0412	-36	1263	1272	SVTIIMEPHK						Mascot
	1154.6238	1154.5826	-0.0412	-36	1263	1272	SVTIIMEPHK						Mascot
	1165.5817	1165.713	0.1313	113	606	615	VANCQTVRMK				Oxidation (M)[9]		Mascot
	1173.5795	1173.5985	0.019	16	1696	1704	FLCNMTFLK				Carbamidomethyl (C)[3]		Mascot
	1173.5795	1173.5985	0.019	16	1696	1704	FLCNMTFLK				Carbamidomethyl (C)[3]		Mascot
	1191.619	1191.6228	0.0038	3	1516	1526	AMLIEAGSPFR						Mascot
	1191.619	1191.6228	0.0038	3	1516	1526	AMLIEAGSPFR						Mascot
	1193.5337	1193.5977	0.064	54	3264	3272	CSRIMHMQR				Oxidation (M)[5,7]		Mascot
	1194.5573	1194.5844	0.0271	23	1653	1662	KDNMAATNWK				Oxidation (M)[4]		Mascot

	1234.7054	1234.6508	-0.0546	-44	986	995	WIPNVIISHR											Mascot
	1234.7405	1234.6508	-0.0897	-73	574	583	ETQIYIKLVK	4	0									Mascot
	1308.6212	1308.6292	0.008	6	2020	2031	GMSVDSAQDVKR			Oxidation (M)[2]								Mascot
	1316.5536	1316.5491	-0.0045	-3	2248	2259	SACSNSSYIDR											Mascot
	1323.7168	1323.6375	-0.0793	-60	1226	1236	SFHLVTHDLVR											Mascot
	1330.6897	1330.7112	0.0215	16	1666	1676	LLAFCLLSYCK			Carbamidomethyl (C)[5]								Mascot
	1354.7511	1354.7355	-0.0156	-12	1893	1905	QAMAILTPAVPAR			Oxidation (M)[3]								Mascot
	1357.6859	1357.686	0.0001	0	871	882	NPAETISHVAYR											Mascot
	1422.8428	1422.7	-0.1428	-100	211	223	THTIIPRGSLSLK											Mascot
	1434.7079	1434.7329	0.025	17	2466	2477	QCTELLAVCER			Carbamidomethyl (C)[2]								Mascot
	1475.8217	1475.7185	-0.1032	-70	1963	1975	LGFTPSVTIEQRK											Mascot
	1493.681	1493.6968	0.0158	11	1452	1462	FCDQMMQHRLK			Carbamidomethyl (C)[2]								Mascot
	1493.7126	1493.6968	-0.0158	-11	1311	1322	LFTMDLNVMEHK			Oxidation (M)[4]								Mascot
	1596.7548	1596.733	-0.0218	-14	2348	2362	NSGNPMATNQVPNPR											Mascot
	1638.8958	1638.8242	-0.0716	-44	443	455	DILMRMLEVFVLK			Oxidation (M)[4,6]								Mascot
	1638.8958	1638.8242	-0.0716	-44	443	455	DILMRMLEVFVLK			Oxidation (M)[4,6]								Mascot
	1867.8928	1867.875	-0.0178	-10	915	930	AEFTDCKASIQLPMEK			Carbamidomethyl (C)[6]								Mascot
	1971.0844	1970.967	-0.1174	-60	2411	2427	LEPAFLSGLRCTQPLIR			Carbamidomethyl (C)[11]								Mascot
	2191.1982	2190.9436	-0.2546	-116	369	387	ETLRPLAYSTLADLVHHV R											Mascot
	2211.0745	2211.054	-0.0205	-9	1075	1094	GMDPLVLIDIAICMAYEE K			Oxidation (M)[2]								Mascot
	2283.0981	2283.0212	-0.0769	-34	3617	3634	EWALHTFPNATDYWTFR K											Mascot
	2284.1384	2284.1206	-0.0178	-8	1175	1196	ALLFVMMDLTGEVSNGA VAMAK			Oxidation (M)[6]								Mascot
	2369.0874	2368.9512	-0.1362	-57	2616	2637	QQHALSGEMGPFLCSGS HQAQR											Mascot
	2584.2395	2584.1477	-0.0918	-36	1288	1310	HQPANAQIGLMEGNTFC TTLQPR			Carbamidomethyl (C)[17]								Mascot
25	nucleoside diphosphate kinase A [Danio rerio]				gi 18859107		17222.8	7.74	4	46	0	28	49.331					

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1032.587	1032.5682	-0.0188	-18	20	28	GLMGEIIKR				Oxidation (M)[3]		Mascot
	1052.4829	1052.4579	-0.025	-24	107	115	GDFCIEVGR				Carbamidomethyl (C)[4]		Mascot
	1191.6521	1191.6228	-0.0293	-25	58	67	DRPFYPGLVK	28	49.331				Mascot
	1191.6521	1191.6228	-0.0293	-25	58	67	DRPFYPGLVK						Mascot
	1302.7164	1302.6862	-0.0302	-23	8	19	TFIAAKPDGVQR						Mascot
26	Nme2 protein [Danio rerio]				gi 33416409		17220.8	7.74	4	46	0	28	49.331

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
1032.587	1032.5682	-0.0188	-18	20	28 GLMGEIIKR			Oxidation (M)[3]		Mascot
1052.4829	1052.4579	-0.025	-24	107	115 GDFCIEVGR			Carbamidomethyl (C)[4]		Mascot
1191.6521	1191.6228	-0.0293	-25	58	67 DRPFYPGLVK	28	49.331			Mascot
1191.6521	1191.6228	-0.0293	-25	58	67 DRPFYPGLVK					Mascot
1330.7477	1330.7112	-0.0365	-27	8	19 TFIAVKPDGVQR					Mascot
27	Baz1a protein [Danio rerio]			gi 148745704	35892.5	9.38	10	45	0	

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
1045.3999	1045.5389	0.139	133	303	310 EQMMSMEK			Oxidation (M)[3,4]		Mascot
1173.4949	1173.5985	0.1036	88	303	311 EQMMSMEKK			Oxidation (M)[3,4]		Mascot
1173.4949	1173.5985	0.1036	88	303	311 EQMMSMEKK			Oxidation (M)[3,4]		Mascot
1234.7782	1234.6508	-0.1274	-103	2	11 PLLHKKPFVR					Mascot
1234.7782	1234.6508	-0.1274	-103	2	11 PLLHKKPFVR					Mascot
1308.5936	1308.6292	0.0356	27	231	241 QHCEPMHGTIR					Mascot
1791.9357	1791.6824	-0.2533	-141	227	241 LLLKQHCPEMHTIR			Oxidation (M)[10]		Mascot
1838.8741	1838.88	0.0059	3	101	115 LHEICDDVYAYVKDR					Mascot
1867.9006	1867.875	-0.0256	-14	99	113 SRLHEICDDVYAYVK			Carbamidomethyl (C)[7]		Mascot
1971.0367	1970.967	-0.0697	-35	193	209 YRVQPVSPEACEPVIVK			Carbamidomethyl (C)[11]		Mascot
2266.0518	2265.9595	-0.0923	-41	276	295 GRGRPPNNASSTEMNYI EEK			Oxidation (M)[14]		Mascot
2283.1836	2283.0212	-0.1624	-71	195	215 VQPVSPEACEPVIVKVAQ MSR			Oxidation (M)[19]		Mascot
28	tropomyosin alpha-4 chain isoform 2 [Danio rerio]			gi 47085929	28484.4	4.63	10	45	0	

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
850.3975	850.5191	0.1216	143	98	104 AMKDEEK					Mascot
1109.4891	1109.4681	-0.021	-19	83	92 AADESERGMK			Oxidation (M)[9]		Mascot
1165.5592	1165.713	0.1538	132	105	113 MEIQEMQLK			Oxidation (M)[1]		Mascot
1173.5858	1173.5985	0.0127	11	34	42 ELDNERELR					Mascot
1173.5858	1173.5985	0.0127	11	34	42 ELDNERELR					Mascot
1234.5732	1234.6508	0.0776	63	143	153 AEERAEVAECK					Mascot
1234.5732	1234.6508	0.0776	63	143	153 AEERAEVAECK					Mascot

1272.6542	1272.6376	-0.0166	-13	43	54	EKAEGDVAALNR						Mascot
1277.6882	1277.6771	-0.0111	-9	1	12	MTGVTSLDAPVLR						Mascot
1308.6178	1308.6292	0.0114	9	198	208	EAETRAEFAER						Mascot
1434.7322	1434.7329	0.0007	0	216	228	SIDDLLEKLSSAK						Mascot
1493.7338	1493.6968	-0.037	-25	105	116	MEIQEMQLKEAK				Oxidation (M)[1]		Mascot
1493.7338	1493.6968	-0.037	-25	105	116	MEIQEMQLKEAK				Oxidation (M)[1]		Mascot

29 Baz1a protein [Danio rerio] gi|120538654 37393.3 9.36 10 44 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.3999	1045.5389	0.139	133	303	310	EQMMSMEK			Oxidation (M)[3,4]		Mascot
1234.7782	1234.6508	-0.1274	-103	2	11	PLLHKKPFVR					Mascot
1234.7782	1234.6508	-0.1274	-103	2	11	PLLHKKPFVR					Mascot
1308.5936	1308.6292	0.0356	27	231	241	QHCEPMHGTIR					Mascot
1316.5796	1316.5491	-0.0305	-23	303	312	EQMMSMEKFR					Mascot
1791.9357	1791.6824	-0.2533	-141	227	241	LLLKQHCEPMHGTIR			Oxidation (M)[10]		Mascot
1838.8741	1838.88	0.0059	3	101	115	LHEICDDVYAYVKDR					Mascot
1867.9006	1867.875	-0.0256	-14	99	113	SRLHEICDDVYAYVK			Carbamidomethyl (C)[7]		Mascot
1971.0367	1970.967	-0.0697	-35	193	209	YRVQPVSPPEACEPVIVK			Carbamidomethyl (C)[11]		Mascot
2266.0518	2265.9595	-0.0923	-41	276	295	GRGRPPNNASSTEMNYI EEK			Oxidation (M)[14]		Mascot
2283.1836	2283.0212	-0.1624	-71	195	215	VQPVSPPEACEPVIVKVAQ MSR			Oxidation (M)[19]		Mascot

30 PREDICTED: zinc finger protein 585A-like [Danio rerio] gi|326677525 79301.1 8.57 16 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1052.4288	1052.4579	0.0291	28	155	163	QFACSHCEK					Mascot
1109.4503	1109.4681	0.0178	16	155	163	QFACSHCEK			Carbamidomethyl (C)[4]		Mascot
1118.5411	1118.4803	-0.0608	-54	615	623	MHTGERPYK					Mascot
1142.6066	1142.5076	-0.099	-87	527	536	DHLHIHSGVK					Mascot
1154.6542	1154.5826	-0.0716	-62	658	666	RFAQIHNLR					Mascot
1154.6542	1154.5826	-0.0716	-62	658	666	RFAQIHNLR					Mascot
1277.6445	1277.6771	0.0326	26	425	434	SYMYSSELKK			Oxidation (M)[3]		Mascot
1302.7391	1302.6862	-0.0529	-41	290	299	HCLVWIKYLYK					Mascot
1371.6685	1371.7028	0.0343	25	44	54	VEVSDEHCRIK			Carbamidomethyl (C)[8]		Mascot

	1449.7697	1449.7129	-0.0568	-39	220	232	SFTSSSTLKVHVK										Mascot
	1449.7697	1449.7129	-0.0568	-39	220	232	SFTSSSTLKVHVK										Mascot
	1596.7257	1596.733	0.0073	5	177	191	VHTGEKPHVCSDCGK										Mascot
	1707.6924	1707.7307	0.0383	22	475	489	IHTGEDMFECTHCGK										Mascot
	1791.7611	1791.6824	-0.0787	-44	99	112	TFICSECGRSYMHK						Carbamidomethyl (C)[4,7], Oxidation (M)[12]				Mascot
	1851.8186	1851.8807	0.0621	34	419	433	CGQCGRSYMYISELK						Carbamidomethyl (C)[1,4]				Mascot
	1867.8135	1867.875	0.0615	33	419	433	CGQCGRSYMYISELK						Carbamidomethyl (C)[1,4], Oxidation (M)[9]				Mascot
	2190.9556	2190.9436	-0.012	-5	624	642	CSYCEHSFGHSSGLRVH ER										Mascot
	2266.1021	2265.9595	-0.1426	-63	671	691	SPNGCLKFQSEQSLEAE GTK										Mascot
	2282.0354	2281.9624	-0.073	-32	34	52	HEDTEEQIVKEVSDEHC R										Mascot
	2284.0308	2284.1206	0.0898	39	270	289	CSSCGMSFALFHSLSQSH EKK						Carbamidomethyl (C)[1]				Mascot
31	PREDICTED: hypothetical protein LOC100003217 [Danio rerio]					gi 326678765	31640.9	5.2	9	40	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
842.4114	842.489	0.0776	92	78	84	SREAHDK						Mascot
1052.516	1052.4579	-0.0581	-55	152	159	DWHPLQEK						Mascot
1193.5289	1193.5977	0.0688	58	53	62	LCQECGLDAK			Carbamidomethyl (C)[2,5]			Mascot
1277.6704	1277.6771	0.0067	5	208	218	LICEMARQIGK			Oxidation (M)[5]			Mascot
1475.7887	1475.7185	-0.0702	-48	66	77	TDLLRLSEEMR						Mascot
1493.6835	1493.6968	0.0133	9	53	65	LCQECGLDAKGSR			Carbamidomethyl (C)[2,5]			Mascot
1493.6835	1493.6968	0.0133	9	53	65	LCQECGLDAKGSR			Carbamidomethyl (C)[2,5]			Mascot
1838.9792	1838.88	-0.0992	-54	36	52	VADATYSMSLTVGVIRR						Mascot
2210.9482	2211.054	0.1058	48	196	214	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10], Oxidation (M)[2]			Mascot
2283.9646	2284.1206	0.156	68	196	214	DMDSHIGNACMKLICEMAR			Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]			Mascot
2584.1628	2584.1477	-0.0151	-6	186	207	EEFWSLGLLRDMDSHIGNACMK			Oxidation (M)[12,21]			Mascot

32 transgelin 3a [Danio rerio] gi|156739273 24423.1 6.92 8 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1165.5782	1165.713	0.1348	116	197	205	QIMRYDSPR						Mascot
1179.6013	1179.573	-0.0283	-24	55	64	WLMSGTILCR						Mascot
1179.6013	1179.573	-0.0283	-24	55	64	WLMSGTILCR						Mascot

		1191.5973	1191.6228	0.0255	21	172	182	VVIGMQMGSNR					Mascot
		1191.5973	1191.6228	0.0255	21	172	182	VVIGMQMGSNR					Mascot
		1193.5909	1193.5977	0.0068	6	160	168	REFSEEQLR					Mascot
		1234.6711	1234.6508	-0.0203	-16	128	139	TLMALGSEALK					Mascot
		1234.6711	1234.6508	-0.0203	-16	128	139	TLMALGSEALK					Mascot
		1308.6477	1308.6292	-0.0185	-14	1	12	MANRGPSYGLSR					Mascot
		1449.7332	1449.7129	-0.0203	-14	5	17	GPSYGLSREVQEK					Mascot
		1449.7332	1449.7129	-0.0203	-14	5	17	GPSYGLSREVQEK					Mascot
		1993.9647	1993.9221	-0.0426	-21	128	145	TLMALGSEALTKDDGHY R	Oxidation (M)[3]				Mascot
33	PREDICTED: guanine nucleotide-binding protein subunit alpha-15-like [Danio rerio]					gi 326678594	43174.9	8.7	3	40	0	31	77.574

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1234.6902	1234.6508	-0.0394	-32	128	137	LQRSYVEAIR	31	77.574			Mascot
1234.6902	1234.6508	-0.0394	-32	128	137	LQRSYVEAIR					Mascot
1804.8395	1804.8334	-0.0061	-3	62	76	QMRIIHGQGFSDDER			Oxidation (M)[2]		Mascot
1804.8395	1804.8334	-0.0061	-3	62	76	QMRIIHGQGFSDDER			Oxidation (M)[2]		Mascot
2384.2053	2383.8975	-0.3078	-129	347	367	SVFSDVKDILLNLQDF			Oxidation (M)[20]		Mascot

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5457	842.489	-0.0567	-67	717	724	KVAVQLGK					Mascot
1052.5557	1052.4579	-0.0978	-93	989	997	LFCVRGETK					Mascot
1109.5771	1109.4681	-0.109	-98	989	997	LFCVRGETK			Carbamidomethyl (C)[3]		Mascot
1173.5647	1173.5985	0.0338	29	841	851	GHGLVFSEDGR					Mascot
1173.5647	1173.5985	0.0338	29	841	851	GHGLVFSEDGR					Mascot
1179.5562	1179.573	0.0168	14	385	394	NSTIEVMEEK					Mascot
1179.5674	1179.573	0.0056	5	1058	1068	EMGLNSNSSLK					Mascot
1193.595	1193.5977	0.0027	2	777	785	EKFLDWAER					Mascot
1316.6593	1316.5491	-0.1102	-84	766	776	LSEHNETALFR					Mascot
1330.7001	1330.7112	0.0111	8	292	301	ILQEKEEQWK					Mascot
1434.7257	1434.7329	0.0072	5	934	947	GTSALMTVELGNNK					Mascot
1449.5724	1449.7129	0.1405	97	168	178	NEEDEEDREER					Mascot

1449.5724	1449.7129	0.1405	97	168	178	NEEDEEDREER	Mascot
1493.8209	1493.6968	-0.1241	-83	786	798	KPPKDEPVVEEVK	Mascot
1493.8209	1493.6968	-0.1241	-83	786	798	KPPKDEPVVEEVK	Mascot
1804.8363	1804.8334	-0.0029	-2	579	593	QCFFWSGEFANVIEK	Mascot
1804.8363	1804.8334	-0.0029	-2	579	593	QCFFWSGEFANVIEK	Mascot
1867.962	1867.875	-0.087	-47	112	128	EPTAATPLLQRQDSGQR	Mascot
2284.2092	2284.1206	-0.0886	-39	958	977	EPPCFLQLFLGGLVIHKG CR	Carbamidomethyl (C)[4] Mascot
2501.1135	2501.1992	0.0857	34	645	667	GAGEPGEDELYESAIIES NCVYR	Mascot
2584.1255	2584.1477	0.0222	9	1069	1090	VNEMEEGTESKEFDAL GNQDR	Mascot

35 leukotriene A-4 hydrolase [Danio rerio] gi|47086915 69145 6.17 10 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.4389	870.5189	0.08	92	519	525	KMGEVYK			Oxidation (M)[2]	Mascot	
1118.6238	1118.4803	-0.1435	-128	165	174	ELVALMSALR			Oxidation (M)[6]	Mascot	
1173.6586	1173.5985	-0.0601	-51	61	72	ISKVSANGQAAK	5	0		Mascot	
1173.6586	1173.5985	-0.0601	-51	61	72	ISKVSANGQAAK				Mascot	
1308.698	1308.6292	-0.0688	-53	520	530	MGEVYKLNNIK				Mascot	
1320.6696	1320.5477	-0.1219	-92	154	164	HTYYAQVSVPR				Mascot	
1320.6696	1320.5477	-0.1219	-92	154	164	HTYYAQVSVPR				Mascot	
1323.7454	1323.6375	-0.1079	-82	593	605	GSLHPVTAMLVAK				Mascot	
1354.7365	1354.7355	-0.001	-1	545	556	AQWEEAVPLALK				Mascot	
1493.7021	1493.6968	-0.0053	-4	327	338	MIARCMERGEQLR			Carbamidomethyl (C)[5]	Mascot	
1493.7021	1493.6968	-0.0053	-4	327	338	MIARCMERGEQLR			Carbamidomethyl (C)[5]	Mascot	
1804.8007	1804.8334	0.0327	18	128	141	HPYLFSQCQATHCR			Carbamidomethyl (C)[8,13]	Mascot	
1804.8007	1804.8334	0.0327	18	128	141	HPYLFSQCQATHCR			Carbamidomethyl (C)[8,13]	Mascot	
2584.2979	2584.1477	-0.1502	-58	386	408	GFALLYHLEELMGGPEVF MGFVK				Mascot	

36 novel protein (zgc:85809) [Danio rerio] gi|148725394 69172 6.25 10 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
870.4389	870.5189	0.08	92	519	525	KMGEVYK			Oxidation (M)[2]	Mascot	
1118.6238	1118.4803	-0.1435	-128	165	174	ELVALMSALR			Oxidation (M)[6]	Mascot	
1173.6586	1173.5985	-0.0601	-51	61	72	ISKVSANGQAAK	5	0		Mascot	

1173.6586	1173.5985	-0.0601	-51	61	72	ISKVSANGQAAK						Mascot
1308.698	1308.6292	-0.0688	-53	520	530	MGEVYKLNNIK						Mascot
1320.6696	1320.5477	-0.1219	-92	154	164	HTYYAQVSVPR						Mascot
1320.6696	1320.5477	-0.1219	-92	154	164	HTYYAQVSVPR						Mascot
1323.7454	1323.6375	-0.1079	-82	593	605	GSLHPVTAMLVAK						Mascot
1354.7365	1354.7355	-0.001	-1	545	556	AQWEEAVPLALK						Mascot
1493.7021	1493.6968	-0.0053	-4	327	338	MIARCMERGEQLR				Carbamidomethyl (C)[5]		Mascot
1493.7021	1493.6968	-0.0053	-4	327	338	MIARCMERGEQLR				Carbamidomethyl (C)[5]		Mascot
1804.8007	1804.8334	0.0327	18	128	141	HPYLFSQCQATHCR				Carbamidomethyl (C)[8,13]		Mascot
1804.8007	1804.8334	0.0327	18	128	141	HPYLFSQCQATHCR				Carbamidomethyl (C)[8,13]		Mascot
2584.2979	2584.1477	-0.1502	-58	386	408	GFALLYHLEELMGGPEVF MGFVK						Mascot

37 RecName: Full=Protein lunapark-B gi|114149971 45189.9 5.86 9 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4304	850.5191	0.0887	104	139	145	FDPESEKK					Mascot
1142.6642	1142.5076	-0.1566	-137	92	100	KMLIFLFSK			Oxidation (M)[2]		Mascot
1154.6754	1154.5826	-0.0928	-80	93	101	MLIFLFSKR					Mascot
1154.6754	1154.5826	-0.0928	-80	93	101	MLIFLFSKR					Mascot
1173.5575	1173.5985	0.041	35	289	297	EEFEFVAFR					Mascot
1173.5575	1173.5985	0.041	35	289	297	EEFEFVAFR					Mascot
1354.5377	1354.7355	0.1978	146	298	308	CAYCYFMNPAR			Oxidation (M)[7]		Mascot
1596.6755	1596.733	0.0575	36	298	309	CAYCYFMNPARK			Carbamidomethyl (C)[1,4], Oxidation (M)[7]		Mascot
2233.1467	2233.0339	-0.1128	-51	170	191	HIAMATPGPVLGPMSPG TTPLR			Oxidation (M)[4,14]		Mascot
2501.3115	2501.1992	-0.1123	-45	168	191	QRHIAMATPGPVLGPMS PGTTPLR			Oxidation (M)[6]		Mascot
2566.0989	2566.2185	0.1196	47	289	308	EEFEFVAFRCAICYFMN PAR			Carbamidomethyl (C)[10], Oxidation (M)[16]		Mascot

38 pleckstrin homology domain-containing family G member 7 [Danio rerio] gi|113681918 49035.5 6.76 9 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1165.6034	1165.713	0.1096	94	1	10	MSLVDFLQGR					Mascot
1193.6313	1193.5977	-0.0336	-28	219	227	WLDNYQKVK					Mascot
1320.6001	1320.5477	-0.0524	-40	61	70	QCLQDIDSWR			Carbamidomethyl (C)[2]		Mascot
1320.6001	1320.5477	-0.0524	-40	61	70	QCLQDIDSWR			Carbamidomethyl (C)[2]		Mascot

1422.6504	1422.7	0.0496	35	115	126	AFSESICHCLQK	Carbamidomethyl (C)[7]	Mascot
1493.7239	1493.6968	-0.0271	-18	114	126	KAFSESICHCLQK		Mascot
1493.7239	1493.6968	-0.0271	-18	114	126	KAFSESICHCLQK		Mascot
1638.8519	1638.8242	-0.0277	-17	1	14	MSLVDFLQGRSELK	Oxidation (M)[1]	Mascot
1638.8519	1638.8242	-0.0277	-17	1	14	MSLVDFLQGRSELK	Oxidation (M)[1]	Mascot
1707.8986	1707.7307	-0.1679	-98	387	401	AWMSEIEKAVSSLLK	Oxidation (M)[3]	Mascot
1971.0586	1970.967	-0.0916	-46	228	243	QLKETLVWLPVWESDK		Mascot
2283.9646	2284.1206	0.156	68	95	113	EMWTDPDSCSTQSLHDL FR	Oxidation (M)[2]	Mascot

39 Idh3a protein [Danio rerio] gi|157423273 16736.4 6.89 6 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1003.489	1003.5249	0.0359	36	108	116	HMGLHGHAK			Oxidation (M)[2]		Mascot
1109.5693	1109.4681	-0.1012	-91	7	17	STVSCIMGAIK					Mascot
1316.707	1316.5491	-0.1579	-120	18	28	TQTPQPRVFSR					Mascot
1357.5988	1357.686	0.0872	64	142	152	CSEFTADICRR			Carbamidomethyl (C)[1]		Mascot
1707.8669	1707.7307	-0.1362	-80	2	17	ANAWRSTVSCIMGAIK					Mascot
1838.9073	1838.88	-0.0273	-15	1	17	MANAWRSTVSCIMGAIK					Mascot

40 Retinoid x receptor, beta b [Danio rerio] gi|190336859 46645.2 6.61 10 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
941.4365	941.4567	0.0202	21	150	157	CLAMGMKR			Oxidation (M)[4,6]		Mascot
1154.4863	1154.5826	0.0963	83	88	96	RMCAICGDR			Carbamidomethyl (C)[3,6], Oxidation (M)[2]		Mascot
1154.4863	1154.5826	0.0963	83	88	96	RMCAICGDR			Carbamidomethyl (C)[3,6], Oxidation (M)[2]		Mascot
1191.6588	1191.6228	-0.036	-30	312	321	VLTELVCKMR					Mascot
1191.6588	1191.6228	-0.036	-30	312	321	VLTELVCKMR					Mascot
1193.583	1193.5977	0.0147	12	76	87	SVSGSGPMLSQK			Oxidation (M)[8]		Mascot
1234.683	1234.6508	-0.0322	-26	224	233	QLFTLVEWAK					Mascot
1234.683	1234.6508	-0.0322	-26	224	233	QLFTLVEWAK					Mascot
1302.5242	1302.6862	0.162	124	101	111	HYGVYSCEGCK			Carbamidomethyl (C)[7]		Mascot
1357.5657	1357.686	0.1203	89	89	100	MCAICGDRSSGK			Carbamidomethyl (C)[2,5], Oxidation (M)[1]		Mascot
1475.7198	1475.7185	-0.0013	-1	359	370	VYASLESYCKQK			Carbamidomethyl (C)[9]		Mascot
1596.7179	1596.733	0.0151	9	322	334	DMQMDKTELGCLR			Carbamidomethyl (C)[11]		Mascot
1838.7988	1838.88	0.0812	44	101	115	HYGVYSCEGCKGFFK			Carbamidomethyl (C)[7,10]		Mascot

41 Pkm2a protein [Danio rerio] gi|45501385 58075.7 6.36 8 37 0 14 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
996.4818	996.5714	0.0896	90	491	499	VNFAMDVGK			Oxidation (M)[5]		Mascot	
1109.5811	1109.4681	-0.113	-102	272	280	LENHEGVRR					Mascot	
1118.6051	1118.4803	-0.1248	-112	127	137	GSGTAEVELKK					Mascot	
1173.6837	1173.5985	-0.0852	-73	164	174	NITKVVEVGSK	14	0			Mascot	
1173.6837	1173.5985	-0.0852	-73	164	174	NITKVVEVGSK					Mascot	
1179.6289	1179.573	-0.0559	-47	58	67	SVDTLKEMIK			Oxidation (M)[8]		Mascot	
1179.6289	1179.573	-0.0559	-47	58	67	SVDTLKEMIK			Oxidation (M)[8]		Mascot	
1302.6835	1302.6862	0.0027	2	45	57	NTGIICTIGPASR					Mascot	
2191.0562	2190.9436	-0.1126	-51	229	247	DLQFGVEMGVDMIFASFI R			Oxidation (M)[8]		Mascot	
2211.1003	2211.054	-0.0463	-21	318	337	CNKAGKPIICATQMLES MIK			Oxidation (M)[14,18]		Mascot	

42 PREDICTED: bromodomain adjacent to zinc finger domain protein 1A, partial [Danio rerio]

gi|125841384 81560.8 6.03 12 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1045.3999	1045.5389	0.139	133	303	310	EQMMSMEK			Oxidation (M)[3,4]		Mascot	
1154.4341	1154.5826	0.1485	129	384	392	EDMECDDLK			Carbamidomethyl (C)[5]		Mascot	
1154.4341	1154.5826	0.1485	129	384	392	EDMECDDLK			Carbamidomethyl (C)[5]		Mascot	
1234.7782	1234.6508	-0.1274	-103	2	11	PLLHKKPFVR					Mascot	
1234.7782	1234.6508	-0.1274	-103	2	11	PLLHKKPFVR					Mascot	
1277.7939	1277.6771	-0.1168	-91	393	403	ELPKPIPVKTR					Mascot	
1308.5936	1308.6292	0.0356	27	231	241	QHCEPMHGTIR					Mascot	
1316.5796	1316.5491	-0.0305	-23	303	312	EQMMSMEKFR					Mascot	
1791.9357	1791.6824	-0.2533	-141	227	241	LLLKQHCEPMHGTIR			Oxidation (M)[10]		Mascot	
1838.8741	1838.88	0.0059	3	101	115	LHEICDDVYAYVKDR					Mascot	
1867.9006	1867.875	-0.0256	-14	99	113	SRLHEICDDVYAYVK			Carbamidomethyl (C)[7]		Mascot	
1971.0367	1970.967	-0.0697	-35	193	209	YRVQPVSPPEACEPVIVK			Carbamidomethyl (C)[11]		Mascot	
1993.9912	1993.9221	-0.0691	-35	535	552	LHILSSGADCGFTNAKFR			Carbamidomethyl (C)[10]		Mascot	
2283.1836	2283.0212	-0.1624	-71	195	215	VQPVSPPEACEPVIVKVAQ MSR			Oxidation (M)[19]		Mascot	

43 PREDICTED: Fanconi anemia-associated protein of 100 kDa-like [Danio rerio]

gi|326672411 90408.5 6.9 6 37 0 23 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			
1003.5505	1003.5249	-0.0256	-26	70	77 HRLYALCK					Mascot
1191.6368	1191.6228	-0.014	-12	39	48 DVLIFSVQDR	4	0			Mascot
1191.6368	1191.6228	-0.014	-12	39	48 DVLIFSVQDR					Mascot
1234.6062	1234.6508	0.0446	36	615	625 LEGSFSPNDIR	23	0			Mascot
1234.6062	1234.6508	0.0446	36	615	625 LEGSFSPNDIR					Mascot
1371.7413	1371.7028	-0.0385	-28	394	405 LMRVNLPGGSEK					Mascot
2299.1704	2299.1326	-0.0378	-16	50	69 VKTVIQFEDSVTFLDLSDDK					Mascot
2369.2896	2368.9512	-0.3384	-143	211	233 LLFGVDAALVSSPVILCGLPDGR		Carbamidomethyl (C)[17]			
44	pyruvate kinase isozymes M1/M2 [Danio rerio]			gi 40786398		58020.6	6.54	8	37	0 14 0

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	996.4818	996.5714	0.0896	90	491	499 VNFAMDVGK			Oxidation (M)[5]		Mascot
	1109.5811	1109.4681	-0.113	-102	272	280 LENHEGVRR					Mascot
	1118.6051	1118.4803	-0.1248	-112	127	137 GSGTAEVELKK					Mascot
	1173.6837	1173.5985	-0.0852	-73	164	174 NITKVVEVGSK	14	0			Mascot
	1173.6837	1173.5985	-0.0852	-73	164	174 NITKVVEVGSK					Mascot
	1179.6289	1179.573	-0.0559	-47	58	67 SVDTLKEMIK			Oxidation (M)[8]		Mascot
	1179.6289	1179.573	-0.0559	-47	58	67 SVDTLKEMIK			Oxidation (M)[8]		Mascot
	1302.6835	1302.6862	0.0027	2	45	57 NTGIICTIGPASR					Mascot
	2191.0562	2190.9436	-0.1126	-51	229	247 DLQFGVEMGVDMIFASFI R			Oxidation (M)[8]		Mascot
	2211.1003	2211.054	-0.0463	-21	318	337 CNKAGKPIICATQMLES MIK			Oxidation (M)[14, 18]		Mascot
45	PREDICTED: voltage-dependent L-type calcium channel subunit alpha-1F-like [Danio rerio]				gij326670278		229245.1	5.61	1	27	35.769

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			
1234.6976	1234.6508	-0.0468	-38	913	923 SVIQCVFVAIR	27	35.769			2 Mascot
46	Ccdc101 protein [Danio rerio]			gi 201090170		33213	8.21	1		26 16.872

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	1234.5732	1234.6508	0.0776	63	68	78 ADAEAECSILR		26	16.872	Carbamidomethyl (C)[7]	3	Mascot
47	PREDICTED: zinc finger protein 618 [Danio rerio]					gi 326668299	93606.8	7.47	1	21	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	1234.6348	1234.6508	0.016	13	395	406 EALGDMSSLALK		21	0		5	Mascot
48	gamma-tubulin complex component 2 [Danio rerio]					gi 41056243	101578.7	6.08	1	21	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	1320.6287	1320.5477	-0.081	-61	736	746 DCMLTNPELLR		21	0	Oxidation (M)[3]	1	Mascot
49	adenosine receptor A2a [Danio rerio]					gi 89886297	49078.7	8.38	1	19	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	1154.6165	1154.5826	-0.0339	-29	406	416 KHAGLDITDGK		19	0		2	Mascot
50	Msh2 protein [Danio rerio]					gi 182889828	103705.5	6.32	1	18	0	
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type
	1234.6533	1234.6508	-0.0025	-2	265	275 IAMSCLEAVIK		18	0	Carbamidomethyl (C)[5]	6	Mascot

Gel Idx/Pos	266/K18	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %			
1	glial fibrillary acidic protein [Danio rerio]	gi 239596173	19203.6	4.89	6	108	100	77	100			
Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank	Result Type

	1060.5632	1060.537	-0.0262	-25	121	129	KLLEGEESR									Mascot
	1090.531	1090.5067	-0.0243	-22	62	69	QLREMEER									Mascot
	1118.5762	1118.4829	-0.0933	-83	84	92	LEDEIQMLK									Mascot
	1277.71	1277.6821	-0.0279	-22	110	120	LALDIEIATYR									Mascot
	1277.71	1277.6821	-0.0279	-22	110	120	LALDIEIATYR	77	100							Mascot
	1308.6543	1308.6281	-0.0262	-20	12	23	SKFADLTDAANR									Mascot
	1308.6543	1308.6281	-0.0262	-20	12	23	SKFADLTDAANR									Mascot
	1475.7522	1475.72	-0.0322	-22	41	53	QIQGLTCDLESLR									Mascot

2 RecName: Full=Glial fibrillary acidic protein;
Short=GFAP gi|150383441 51218 5.34 9 105 100 77 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1060.5632	1060.537	-0.0262	-25	380	388	KLLEGEESR						Mascot
1064.4863	1064.5846	0.0983	92	83	91	VEMMGLNDR						Mascot
1090.531	1090.5067	-0.0243	-22	321	328	QLREMEER						Mascot
1118.5762	1118.4829	-0.0933	-83	343	351	LEDEIQMLK						Mascot
1277.71	1277.6821	-0.0279	-22	369	379	LALDIEIATYR						Mascot
1277.71	1277.6821	-0.0279	-22	369	379	LALDIEIATYR	77	100				Mascot
1308.6543	1308.6281	-0.0262	-20	271	282	SKFADLTDAANR						Mascot
1308.6543	1308.6281	-0.0262	-20	271	282	SKFADLTDAANR						Mascot
1393.6165	1393.6974	0.0809	58	1	11	MESQRSFSSYR				Oxidation (M)[1]		Mascot
1434.756	1434.7361	-0.0199	-14	29	41	HSTGRSLHSSPR						Mascot
1434.756	1434.7361	-0.0199	-14	29	41	HSTGRSLHSSPR						Mascot
1475.7522	1475.72	-0.0322	-22	300	312	QIQGLTCDLESLR						Mascot

3 Gfap protein [Danio rerio] gi|124504410 51101 5.34 8 101 100 77 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1060.5632	1060.537	-0.0262	-25	379	387	KLLEGEESR						Mascot
1064.4863	1064.5846	0.0983	92	82	90	VEMMGLNDR						Mascot
1090.531	1090.5067	-0.0243	-22	320	327	QLREMEER						Mascot
1118.5762	1118.4829	-0.0933	-83	342	350	LEDEIQMLK						Mascot
1277.71	1277.6821	-0.0279	-22	368	378	LALDIEIATYR						Mascot
1277.71	1277.6821	-0.0279	-22	368	378	LALDIEIATYR	77	100				Mascot
1308.6543	1308.6281	-0.0262	-20	270	281	SKFADLTDAANR						Mascot

	1308.6543	1308.6281	-0.0262	-20	270	281	SKFADLTDAANR										Mascot
	1434.756	1434.7361	-0.0199	-14	28	40	HSTGRSLHSSPR										Mascot
	1434.756	1434.7361	-0.0199	-14	28	40	HSTGRSLHSSPR										Mascot
	1475.7522	1475.72	-0.0322	-22	299	311	QIQGLTCDLESLR										Mascot

4 class III intermediate filament protein [Danio rerio] gi|38374177 51255 5.28 8 101 100 77 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1060.5632	1060.537	-0.0262	-25	380	388	KLLEGEESR					Mascot
1064.4863	1064.5846	0.0983	92	83	91	VEMMGLNDR					Mascot
1118.5762	1118.4829	-0.0933	-83	343	351	LEDEIQMLK					Mascot
1277.71	1277.6821	-0.0279	-22	369	379	LALDIEIATYR					Mascot
1277.71	1277.6821	-0.0279	-22	369	379	LALDIEIATYR	77	100			Mascot
1308.6543	1308.6281	-0.0262	-20	271	282	SKFADLTDAANR					Mascot
1308.6543	1308.6281	-0.0262	-20	271	282	SKFADLTDAANR					Mascot
1393.6165	1393.6974	0.0809	58	1	11	MESQRSFSSYR			Oxidation (M)[1]		Mascot
1434.756	1434.7361	-0.0199	-14	29	41	HSTGRSLHSSPR					Mascot
1434.756	1434.7361	-0.0199	-14	29	41	HSTGRSLHSSPR					Mascot
1475.7522	1475.72	-0.0322	-22	300	312	QIQGLTCDLESLR					Mascot

5 glial fibrillary acidic protein [Danio rerio] gi|66393075 51190 5.34 8 99 100 77 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1060.5632	1060.537	-0.0262	-25	380	388	KLLEGEESR					Mascot
1064.4863	1064.5846	0.0983	92	83	91	VEMMGLNDR					Mascot
1118.5762	1118.4829	-0.0933	-83	343	351	LEDEIQMLK					Mascot
1277.71	1277.6821	-0.0279	-22	369	379	LALDIEIATYR					Mascot
1277.71	1277.6821	-0.0279	-22	369	379	LALDIEIATYR	77	100			Mascot
1308.6543	1308.6281	-0.0262	-20	271	282	SKFADLTDAANR					Mascot
1308.6543	1308.6281	-0.0262	-20	271	282	SKFADLTDAANR					Mascot
1393.6165	1393.6974	0.0809	58	1	11	MESQRSFSSYR			Oxidation (M)[1]		Mascot
1434.756	1434.7361	-0.0199	-14	29	41	HSTGRSLHSSPR					Mascot
1434.756	1434.7361	-0.0199	-14	29	41	HSTGRSLHSSPR					Mascot
1475.7522	1475.72	-0.0322	-22	300	312	QIQGLTCDLESLR					Mascot

6 glial fibrillary acidic protein GFAP [Danio rerio] gi|31978943 50145.5 5.32 8 99 100 77 100

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1060.5632	1060.537	-0.0262	-25	371	379	KLLEGEESR					Mascot
1090.531	1090.5067	-0.0243	-22	312	319	QLREMEER					Mascot
1118.5762	1118.4829	-0.0933	-83	334	342	LEDEIQMLK					Mascot
1277.71	1277.6821	-0.0279	-22	360	370	LALDIEIATYR					Mascot
1277.71	1277.6821	-0.0279	-22	360	370	LALDIEIATYR	77	100			Mascot
1308.6543	1308.6281	-0.0262	-20	262	273	SKFADLTDAANR					Mascot
1308.6543	1308.6281	-0.0262	-20	262	273	SKFADLTDAANR					Mascot
1393.6165	1393.6974	0.0809	58	1	11	MESQRSFSSYR			Oxidation (M)[1]		Mascot
1434.756	1434.7361	-0.0199	-14	29	41	HSTGRSLHSSPR					Mascot
1434.756	1434.7361	-0.0199	-14	29	41	HSTGRSLHSSPR					Mascot
1475.7522	1475.72	-0.0322	-22	291	303	QIQGLTCDLES LR					Mascot

7 glial fibrillary acidic protein [Danio rerio] gi|20977259 42127.4 5.03 6 94 99.998 77 100

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1060.5632	1060.537	-0.0262	-25	296	304	KLLEGEESR					Mascot
1090.531	1090.5067	-0.0243	-22	237	244	QLREMEER					Mascot
1118.5762	1118.4829	-0.0933	-83	259	267	LEDEIQMLK					Mascot
1277.71	1277.6821	-0.0279	-22	285	295	LALDIEIATYR					Mascot
1277.71	1277.6821	-0.0279	-22	285	295	LALDIEIATYR	77	100			Mascot
1308.6543	1308.6281	-0.0262	-20	187	198	SKFADLTDAANR					Mascot
1308.6543	1308.6281	-0.0262	-20	187	198	SKFADLTDAANR					Mascot
2872.4734	2872.3191	-0.1543	-54	138	161	ELHEQLMAQQVHVLDLV SKPRLDR			Oxidation (M)[7]		Mascot

8 Krt4 protein [Danio rerio] gi|161612220 53979.9 5.34 6 93 99.998 77 100

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4349	882.5468	0.1119	127	33	40	MSSVTSVR			Oxidation (M)[1]		Mascot
973.4948	973.5086	0.0138	14	173	181	QLDGLGNEK					Mascot
1003.5418	1003.5294	-0.0124	-12	112	119	TQEKEQIK					Mascot
1003.5418	1003.5294	-0.0124	-12	112	119	TQEKEQIK					Mascot

	1060.5632	1060.537	-0.0262	-25	416	424	KLLEGEESR										Mascot
	1082.5992	1082.571	-0.0282	-26	125	133	FASFDKVR										Mascot
	1277.71	1277.6821	-0.0279	-22	405	415	LALDIEIATYR										Mascot
	1277.71	1277.6821	-0.0279	-22	405	415	LALDIEIATYR	77	100								Mascot

9 Krt5 protein [Danio rerio] gi|39645432 57792.3 5.27 6 92 99.997 77 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.4948	973.5086	0.0138	14	203	211	QLDGLGNEK					Mascot
1003.5418	1003.5294	-0.0124	-12	142	149	TQEKEQIK					Mascot
1003.5418	1003.5294	-0.0124	-12	142	149	TQEKEQIK					Mascot
1060.5632	1060.537	-0.0262	-25	446	454	KLLEGEESR					Mascot
1082.5992	1082.571	-0.0282	-26	155	163	FASFDKVR					Mascot
1109.4825	1109.4669	-0.0156	-14	2	14	SGGMGGGMGGGIR			Oxidation (M)[4]		Mascot
1277.71	1277.6821	-0.0279	-22	435	445	LALDIEIATYR					Mascot
1277.71	1277.6821	-0.0279	-22	435	445	LALDIEIATYR	77	100			Mascot

10 Zgc:158846 [Danio rerio] gi|158253572 55223 5.44 6 88 99.992 77 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.5472	996.5478	0.0006	1	421	429	DIHNTGLVK					Mascot
1003.5418	1003.5294	-0.0124	-12	74	81	TQEKEQIK					Mascot
1003.5418	1003.5294	-0.0124	-12	74	81	TQEKEQIK					Mascot
1060.5632	1060.537	-0.0262	-25	378	386	KLLEGEESR					Mascot
1082.5992	1082.571	-0.0282	-26	87	95	FASFDKVR					Mascot
1277.71	1277.6821	-0.0279	-22	367	377	LALDIEIATYR					Mascot
1277.71	1277.6821	-0.0279	-22	367	377	LALDIEIATYR	77	100			Mascot
1851.9269	1851.8809	-0.046	-25	103	117	MLETKWSVLQEQTSR			Oxidation (M)[1]		Mascot

11 keratin 4 [Danio rerio] gi|18858947 54242 5.42 5 87 99.992 77 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4349	882.5468	0.1119	127	33	40	MSSVTSVR			Oxidation (M)[1]		Mascot
973.4948	973.5086	0.0138	14	174	182	QLDGLGNEK					Mascot

	1003.5101	1003.5294	0.0193	19	389	396	QDMARQVR										Mascot
	1003.5101	1003.5294	0.0193	19	389	396	QDMARQVR										Mascot
	1060.5632	1060.537	-0.0262	-25	417	425	KLLEGEESR										Mascot
	1277.71	1277.6821	-0.0279	-22	406	416	LALDIEIATYR										Mascot
	1277.71	1277.6821	-0.0279	-22	406	416	LALDIEIATYR		77	100							Mascot
12	keratin type II, tail domain [Danio rerio]				gi 4107170		10583.9	8.29	2	87	99.991	77	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1060.5632	1060.537	-0.0262	-25	15	23	KLLEGEESR					Mascot
1277.71	1277.6821	-0.0279	-22	4	14	LALDIEIATYR					Mascot
1277.71	1277.6821	-0.0279	-22	4	14	LALDIEIATYR	77	100			Mascot

13	PREDICTED: keratin, type II cytoskeletal 8 [Danio rerio]				gi 125849603		49959.2	5.46	6	87	99.99	77	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.4948	973.5086	0.0138	14	343	350	DLEEALQR					Mascot
1003.5418	1003.5294	-0.0124	-12	77	84	TQEKEQIK					Mascot
1003.5418	1003.5294	-0.0124	-12	77	84	TQEKEQIK					Mascot
1060.6361	1060.537	-0.0991	-93	422	430	IVIKTTETR					Mascot
1090.4946	1090.5067	0.0121	11	138	146	QMDVVNNDR					Mascot
1262.5906	1262.5718	-0.0188	-15	137	146	RQMDVVNNDR			Oxidation (M)[3]		Mascot
1277.71	1277.6821	-0.0279	-22	370	380	LALDIEIATYR					Mascot
1277.71	1277.6821	-0.0279	-22	370	380	LALDIEIATYR	77	100			Mascot

14	novel protein similar to vertebrate keratin family [Danio rerio]				gi 157885973		46874.6	5.23	5	86	99.989	77	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.4948	973.5086	0.0138	14	365	372	DLEEALQR					Mascot
1003.5418	1003.5294	-0.0124	-12	99	106	TQEKEQIK					Mascot
1003.5418	1003.5294	-0.0124	-12	99	106	TQEKEQIK					Mascot
1090.4946	1090.5067	0.0121	11	160	168	QMDVVNNDR					Mascot
1262.5906	1262.5718	-0.0188	-15	159	168	RQMDVVNNDR			Oxidation (M)[3]		Mascot
1277.71	1277.6821	-0.0279	-22	392	402	LALDIEIATYR					Mascot

	1277.71	1277.6821	-0.0279	-22	392	402	LALDIEIATYR		77	100			Mascot
15	keratin 8 [Danio rerio]				gi 29335502		55516.4	5.01	4	86	99.988	77	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1003.5418	1003.5294	-0.0124	-12	92	99	TQEKEQIK					Mascot
1003.5418	1003.5294	-0.0124	-12	92	99	TQEKEQIK					Mascot
1082.5992	1082.571	-0.0282	-26	105	113	FASFDKVR					Mascot
1277.71	1277.6821	-0.0279	-22	385	395	LALDIEIATYR					Mascot
1277.71	1277.6821	-0.0279	-22	385	395	LALDIEIATYR	77	100			Mascot
1475.7635	1475.72	-0.0435	-29	308	319	TEIADLNRMQR			Oxidation (M)[9]		Mascot

16	Keratin 8 [Danio rerio]				gi 159155987		57624.4	5.1	4	85	99.987	77	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1003.5418	1003.5294	-0.0124	-12	113	120	TQEKEQIK					Mascot
1003.5418	1003.5294	-0.0124	-12	113	120	TQEKEQIK					Mascot
1082.5992	1082.571	-0.0282	-26	126	134	FASFDKVR					Mascot
1277.71	1277.6821	-0.0279	-22	406	416	LALDIEIATYR					Mascot
1277.71	1277.6821	-0.0279	-22	406	416	LALDIEIATYR	77	100			Mascot
1475.7635	1475.72	-0.0435	-29	329	340	TEIADLNRMQR			Oxidation (M)[9]		Mascot

17	keratin 5 [Danio rerio]				gi 18858425		58550.6	5.34	5	84	99.981	77	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.4948	973.5086	0.0138	14	213	221	QLDGLGNEK					Mascot
1003.5418	1003.5294	-0.0124	-12	152	159	TQEKEQIK					Mascot
1003.5418	1003.5294	-0.0124	-12	152	159	TQEKEQIK					Mascot
1060.5632	1060.537	-0.0262	-25	456	464	KLLEGESR					Mascot
1082.5992	1082.571	-0.0282	-26	165	173	FASFDKVR					Mascot
1277.71	1277.6821	-0.0279	-22	445	455	LALDIEIATYR					Mascot
1277.71	1277.6821	-0.0279	-22	445	455	LALDIEIATYR	77	100			Mascot

18	centrosomal protein of 63 kDa [Danio rerio]				gi 41054808		79995.4	6.06	13	52	72.561	10	0
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Peptide Information														
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type	
	832.3795	832.4694	0.0899	108	519	525	ADEDVQR					Mascot		
	1036.531	1036.5082	-0.0228	-22	632	639	FLEETLR					Mascot		
	1037.4503	1037.5016	0.0513	49	368	376	CGEQEGMRK					Mascot		
	1045.4368	1045.5388	0.102	98	341	348	QMEEHRSR					Mascot		
	1064.504	1064.5846	0.0806	76	656	664	LENSNTVCK			Carbamidomethyl (C)[8]		Mascot		
	1118.5986	1118.4829	-0.1157	-103	479	487	LEMTELRAR					Mascot		
	1201.5292	1201.6139	0.0847	70	583	595	SSASSASSSSSTR					Mascot		
	1300.708	1300.5455	-0.1625	-125	245	255	STGVQQQLRR					Mascot		
	1329.624	1329.6919	0.0679	51	583	596	SSASSASSSSSTRK					Mascot		
	1393.6389	1393.6974	0.0585	42	209	220	EQQVSCHAAHR			Carbamidomethyl (C)[6]		Mascot		
	1493.7706	1493.6996	-0.071	-48	432	443	LENQHNLNLLER					Mascot		
	1493.7706	1493.6996	-0.071	-48	432	443	LENQHNLNLLER					Mascot		
	1638.8082	1638.8219	0.0137	8	182	195	AQDSLHAQELELER					Mascot		
	1638.8082	1638.8219	0.0137	8	182	195	AQDSLHAQELELER	10	0			Mascot		
	1707.7061	1707.7299	0.0238	14	341	354	QMEEHSRCTAENK			Oxidation (M)[2]		Mascot		
19	taln-1 [Danio rerio]				gi 57222259			270469.6	5.86	22	51	64.652	16	0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4359	807.3789	-0.057	-71	1520	1526	QFVQSAK					Mascot
973.4883	973.5086	0.0203	21	1195	1203	SVNCLPGQR					Mascot
1003.5054	1003.5294	0.024	24	2506	2513	EKELEAR	4	0			Mascot
1003.5054	1003.5294	0.024	24	2506	2513	EKELEAR					Mascot
1060.5132	1060.537	0.0238	22	67	74	ALDYMLR			Oxidation (M)[6]		Mascot
1082.4783	1082.571	0.0927	86	1083	1092	CSQDLGSSTK			Carbamidomethyl (C)[1]		Mascot
1107.5906	1107.5156	-0.075	-68	2262	2270	QQLANYSKR					Mascot
1109.5442	1109.4669	-0.0773	-70	2206	2215	AVADMLRSCK			Oxidation (M)[5]		Mascot
1165.6576	1165.5582	-0.0994	-85	1615	1625	SLAVNPKDPPK					Mascot
1179.5422	1179.5731	0.0309	26	2441	2450	ADQDSQTMKR					Mascot
1179.5422	1179.5731	0.0309	26	2441	2450	ADQDSQTMKR	16	0			Mascot
1194.5797	1194.5847	0.005	4	469	478	QHITSGQMHR					Mascot
1234.5811	1234.6512	0.0701	57	1541	1551	ALDGAFNQENR					Mascot
1234.5811	1234.6512	0.0701	57	1541	1551	ALDGAFNQENR					Mascot

1262.7136	1262.5718	-0.1418	-112	329	339	LLGITKESVMR	Oxidation (M)[10]	Mascot
1307.8158	1307.6526	-0.1632	-125	2318	2328	LEQLKPRAKPK		Mascot
1316.6804	1316.4987	-0.1817	-138	2193	2204	QEDVIATANLSR		Mascot
1320.7271	1320.5532	-0.1739	-132	424	434	KSTVLQQQFNK		Mascot
1475.7886	1475.72	-0.0686	-46	859	872	LLADATARMVEAAK	Oxidation (M)[9]	Mascot
1493.7628	1493.6996	-0.0632	-42	1601	1614	AMLESSTGLIQTAR	Oxidation (M)[2]	Mascot
1493.7628	1493.6996	-0.0632	-42	1601	1614	AMLESSTGLIQTAR	Oxidation (M)[2]	Mascot
1638.8077	1638.8219	0.0142	9	92	106	MLDGTVKTMVDDSK		Mascot
1638.8077	1638.8219	0.0142	9	92	106	MLDGTVKTMVDDSK		Mascot
2211.1865	2211.0513	-0.1352	-61	2059	2080	LGAASLGSEDPETQVVLINAVK		Mascot
2225.1846	2225.0667	-0.1179	-53	718	738	VVVAPTISSPVCQEQLIEAGK	Carbamidomethyl (C)[12]	Mascot
2233.0952	2233.0325	-0.0627	-28	1337	1357	AVTDSINQLISMCTQQAPGQK		Mascot
3312.6814	3312.2224	-0.459	-139	1748	1776	ILNSQQQMMNVLDQTKTLAESALQMLYTAK	Oxidation (M)[8,24]	Mascot

20 RAS guanylyl-releasing protein 1 [Danio rerio] gi|113678177 77834.7 7.57 13 50 53.402

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4882	842.4883	0.0001	0	271	277	FIHVAQK					Mascot
1003.3971	1003.5294	0.1323	132	1	8	MGFDTMNR			Oxidation (M)[1,6]		Mascot
1003.5319	1003.5294	-0.0025	-2	224	232	SYVVHGSVR					Mascot
1090.4873	1090.5067	0.0194	18	336	344	VYSECTGFK			Carbamidomethyl (C)[5]		Mascot
1157.6677	1157.5648	-0.1029	-89	678	687	QHPPLEKVLP					Mascot
1165.5703	1165.5582	-0.0121	-10	580	589	DVVGMECLKR			Oxidation (M)[5]		Mascot
1300.5343	1300.5455	0.0112	9	569	579	DCGVNCHKHCK			Carbamidomethyl (C)[2]		Mascot
1357.5558	1357.6864	0.1306	96	569	579	DCGVNCHKHCK			Carbamidomethyl (C)[2,6]		Mascot
1357.5558	1357.6864	0.1306	96	569	579	DCGVNCHKHCK			Carbamidomethyl (C)[2,6]		Mascot
1365.6793	1365.6073	-0.072	-53	135	145	LMFEMDPLEK					Mascot
1434.647	1434.7361	0.0891	62	213	223	NFCNVSFIDYR			Carbamidomethyl (C)[3]		Mascot
1434.6538	1434.7361	0.0823	57	577	588	HCKDVVGMECLK			Carbamidomethyl (C)[2], Oxidation (M)[8]		Mascot
1475.6803	1475.72	0.0397	27	577	588	HCKDVVGMECLK			Carbamidomethyl (C)[2,10]		Mascot
1851.8438	1851.8809	0.0371	20	513	528	EEITSYFMRGMSVCAK					Mascot
1867.8387	1867.8777	0.039	21	513	528	EEITSYFMRGMSVCAK			Oxidation (M)[8]		Mascot
2284.2812	2284.1187	-0.1625	-71	433	454	IQPVAPVKPPVVAEWGSGVTPR					Mascot
2501.2024	2501.1843	-0.0181	-7	33	55	MTCPSAQEISRALQSPPAHASFR			Oxidation (M)[1]		Mascot

21 RecName: Full=Centrosomal protein of 63 kDa; Short=Cep63 gi|257096328 83041.8 5.78 13 47 17.135 10 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
832.3795	832.4694	0.0899	108	546	552	ADEDVQR					Mascot
1036.531	1036.5082	-0.0228	-22	659	666	FLEETLR					Mascot
1037.4503	1037.5016	0.0513	49	395	403	CGEQEGMRK					Mascot
1045.4368	1045.5388	0.102	98	368	375	QMEEHRSR					Mascot
1064.504	1064.5846	0.0806	76	683	691	LENSNTVCK			Carbamidomethyl (C)[8]		Mascot
1118.5986	1118.4829	-0.1157	-103	506	514	LEMTELRRAR					Mascot
1201.5292	1201.6139	0.0847	70	610	622	SSASSASSSSSTR					Mascot
1300.708	1300.5455	-0.1625	-125	272	282	STGVQQQLRR					Mascot
1329.624	1329.6919	0.0679	51	610	623	SSASSASSSSSTRK					Mascot
1393.6389	1393.6974	0.0585	42	236	247	EQQVSCHAAHR			Carbamidomethyl (C)[6]		Mascot
1493.7706	1493.6996	-0.071	-48	459	470	LENQHLNDLLER					Mascot
1493.7706	1493.6996	-0.071	-48	459	470	LENQHLNDLLER					Mascot
1638.8082	1638.8219	0.0137	8	209	222	AQDSLHAQELELER					Mascot
1638.8082	1638.8219	0.0137	8	209	222	AQDSLHAQELELER	10	0			Mascot
1707.7061	1707.7299	0.0238	14	368	381	QMEEHRSRCTAENK			Oxidation (M)[2]		Mascot

22 transgelin 3a [Danio rerio] gi|156739273 24423.1 6.92 9 46 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1037.4899	1037.5016	0.0117	11	161	168	EFSEEQLR					Mascot
1082.5914	1082.571	-0.0204	-19	80	88	ITESKMVFK					Mascot
1157.5487	1157.5648	0.0161	14	146	154	GDPDWFHRK					Mascot
1165.5782	1165.5582	-0.02	-17	197	205	QIMRYDSPR					Mascot
1179.6013	1179.5731	-0.0282	-24	55	64	WLMSGTILCR					Mascot
1179.6013	1179.5731	-0.0282	-24	55	64	WLMSGTILCR					Mascot
1193.5909	1193.5867	-0.0042	-4	160	168	REFSEEQLR					Mascot
1234.6711	1234.6512	-0.0199	-16	128	139	TLMALGSEALTK					Mascot
1234.6711	1234.6512	-0.0199	-16	128	139	TLMALGSEALTK					Mascot
1308.6477	1308.6281	-0.0196	-15	1	12	MANRGPSYGLSR					Mascot
1308.6477	1308.6281	-0.0196	-15	1	12	MANRGPSYGLSR					Mascot
1993.9647	1993.926	-0.0387	-19	128	145	TLMALGSEALTKDDGHY			Oxidation (M)[3]		Mascot

23 R
 hypothetical protein LOC100158480 [Xenopus
 (Silurana) tropicalis] gi|189230136 48869.1 6.2 10 45 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3478	807.3789	0.0311	39	88	94	ESQSN DK					Mascot
882.5658	882.5468	-0.019	-22	141	148	EAVILPIK					Mascot
1003.4989	1003.5294	0.0305	30	1	9	MAANN NLQK	6	0			Mascot
1003.4989	1003.5294	0.0305	30	1	9	MAANN NLQK					Mascot
1045.5789	1045.5388	-0.0401	-38	348	356	KVQSATHFK					Mascot
1157.5109	1157.5648	0.0539	47	428	437	KFTEDFGQEG					Mascot
1300.712	1300.5455	-0.1665	-128	349	359	VQSATHFKQVR					Mascot
1323.8246	1323.6423	-0.1823	-138	137	148	EALKEAVILPIK					Mascot
1323.8246	1323.6423	-0.1823	-138	137	148	EALKEAVILPIK					Mascot
1493.8223	1493.6996	-0.1227	-82	288	299	RIYIPLPEEHAR					Mascot
1493.8223	1493.6996	-0.1227	-82	288	299	RIYIPLPEEHAR					Mascot
1994.0204	1993.926	-0.0944	-47	289	304	IYIPLPEEHAR SFMFK			Oxidation (M)[14]		Mascot
2283.1536	2283.1252	-0.0284	-12	305	325	LNLGTT P NSLTESDFMTL GKK			Oxidation (M)[16]		Mascot

24 vacuolar protein sorting 4 homolog b-like [Danio rerio] gi|155369339 48868.1 6.66 10 45 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3478	807.3789	0.0311	39	88	94	ESQSN DK					Mascot
882.5658	882.5468	-0.019	-22	141	148	EAVILPIK					Mascot
1003.4989	1003.5294	0.0305	30	1	9	MAANN NLQK	6	0			Mascot
1003.4989	1003.5294	0.0305	30	1	9	MAANN NLQK					Mascot
1045.5789	1045.5388	-0.0401	-38	348	356	KVQSATHFK					Mascot
1157.5109	1157.5648	0.0539	47	428	437	KFTEDFGQEG					Mascot
1300.712	1300.5455	-0.1665	-128	349	359	VQSATHFKQVR					Mascot
1323.8246	1323.6423	-0.1823	-138	137	148	EALKEAVILPIK					Mascot
1323.8246	1323.6423	-0.1823	-138	137	148	EALKEAVILPIK					Mascot
1493.8223	1493.6996	-0.1227	-82	288	299	RIYIPLPEEHAR					Mascot
1493.8223	1493.6996	-0.1227	-82	288	299	RIYIPLPEEHAR					Mascot
1994.0204	1993.926	-0.0944	-47	289	304	IYIPLPEEHAR SFMFK			Oxidation (M)[14]		Mascot
2283.1536	2283.1252	-0.0284	-12	305	325	LNLGTT P NSLTESDFMTL			Oxidation (M)[16]		Mascot

25 vacuolar protein sorting-associated protein 4B [Danio rerio] GKK gi|41053850 48887.2 7 10 44 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3478	807.3789	0.0311	39	88	94	ESQSNDK					Mascot
882.5658	882.5468	-0.019	-22	141	148	EAVILPIK					Mascot
1003.4989	1003.5294	0.0305	30	1	9	MAANNLQK	6	0			Mascot
1003.4989	1003.5294	0.0305	30	1	9	MAANNLQK					Mascot
1045.5789	1045.5388	-0.0401	-38	348	356	KVQSATHFK					Mascot
1157.5109	1157.5648	0.0539	47	428	437	KFTEDFGQEG					Mascot
1300.712	1300.5455	-0.1665	-128	349	359	VQSATHFKQVR					Mascot
1323.8246	1323.6423	-0.1823	-138	137	148	EALKEAVILPIK					Mascot
1323.8246	1323.6423	-0.1823	-138	137	148	EALKEAVILPIK					Mascot
1493.8223	1493.6996	-0.1227	-82	288	299	RIYIPLPEEHAR					Mascot
1493.8223	1493.6996	-0.1227	-82	288	299	RIYIPLPEEHAR					Mascot
1994.0204	1993.926	-0.0944	-47	289	304	IYIPLPEEHARSMFK			Oxidation (M)[14]		Mascot
2283.1536	2283.1252	-0.0284	-12	305	325	LNLGTTNPNSLTESDFMTL GKK			Oxidation (M)[16]		Mascot

26 PREDICTED: centrosomal protein of 152 kDa-like [Danio rerio] gi|189537675 179442.1 5.41 22 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4108	807.3789	-0.0319	-40	688	693	TQQQFR					Mascot
832.4709	832.4694	-0.0015	-2	1217	1223	IKGDMLR					Mascot
913.4672	913.3871	-0.0801	-88	1136	1142	HLEKACR			Carbamidomethyl (C)[6]		Mascot
995.5268	995.493	-0.0338	-34	1101	1109	HEAEIAGLR					Mascot
996.5108	996.5478	0.037	37	754	761	LEENLHNK					Mascot
1037.5851	1037.5016	-0.0835	-80	980	987	VQLQREHK					Mascot
1060.4905	1060.537	0.0465	44	1045	1053	EALQEGEER					Mascot
1064.5227	1064.5846	0.0619	58	359	366	LQMVELCR			Carbamidomethyl (C)[7], Oxidation (M)[3]		Mascot
1157.6273	1157.5648	-0.0625	-54	340	348	EQEIVKQQR					Mascot
1234.6174	1234.6512	0.0338	27	1520	1531	EPIPGSEGHGVR					Mascot
1234.6174	1234.6512	0.0338	27	1520	1531	EPIPGSEGHGVR					Mascot
1262.5933	1262.5718	-0.0215	-17	669	678	EMIQELDQEK					Mascot

1277.6332	1277.6821	0.0489	38	607	617	DSQVRESSLEK						Mascot
1277.6332	1277.6821	0.0489	38	607	617	DSQVRESSLEK						Mascot
1307.6842	1307.6526	-0.0316	-24	497	507	EQINLYESAIAK						Mascot
1308.6399	1308.6281	-0.0118	-9	658	668	AVNSELCTKMR				Carbamidomethyl (C)[7]		Mascot
1308.6399	1308.6281	-0.0118	-9	658	668	AVNSELCTKMR				Carbamidomethyl (C)[7]		Mascot
1320.6027	1320.5532	-0.0495	-37	1054	1064	RESPEDTETTR						Mascot
1340.7103	1340.6432	-0.0671	-50	561	571	NELQRCLSHLK						Mascot
1357.7686	1357.6864	-0.0822	-61	575	585	LKISELQEELR						Mascot
1357.7686	1357.6864	-0.0822	-61	575	585	LKISELQEELR						Mascot
1390.671	1390.6492	-0.0218	-16	908	918	SAEERWQDTLR						Mascot
1434.6543	1434.7361	0.0818	57	224	235	MFNPQVNNQNGR				Oxidation (M)[1]		Mascot
1434.6543	1434.7361	0.0818	57	224	235	MFNPQVNNQNGR				Oxidation (M)[1]		Mascot
2225.1191	2225.0667	-0.0524	-24	730	749	LTDLSQEVLAVQECYLAVCK						Mascot
2501.1975	2501.1843	-0.0132	-5	1253	1274	RYYLTCQLQELLEDDGGQS AGAEK				Carbamidomethyl (C)[6]		Mascot
3312.6746	3312.2224	-0.4522	-137	1485	1513	SIGDNSDVTIYKEIIQPQS YSKPNVFVDR						Mascot

27 RecName: Full=Keratin, type I cytoskeletal 18; gi|148886613 48601.1 5.53 11 43 0
AltName: Full=Cytokeratin-18; Short=CK-18; AltName:

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3995	807.3789	-0.0206	-26	163	169	LAADDFR					Mascot
832.4523	832.4694	0.0171	21	322	329	GSLEGLR					Mascot
882.4753	882.5468	0.0715	81	260	266	YEKMALK					Mascot
996.4996	996.5478	0.0482	48	172	179	YESELSIR					Mascot
1045.4697	1045.5388	0.0691	66	124	132	GPDVHDYSR					Mascot
1107.5906	1107.5156	-0.075	-68	25	33	RTTNVPTYR					Mascot
1157.6637	1157.5648	-0.0989	-85	102	111	VRILEQANSK					Mascot
1201.6423	1201.6139	-0.0284	-24	395	404	LQDALEEQKK					Mascot
1307.6875	1307.6526	-0.0349	-27	407	418	VMTVTQTLVDGK			Oxidation (M)[2]		Mascot
1340.6879	1340.6432	-0.0447	-33	375	385	MKLEAEIATYR			Oxidation (M)[1]		Mascot
1434.6893	1434.7361	0.0468	33	246	257	GQDLSQIMEEIR			Oxidation (M)[8]		Mascot
1434.6893	1434.7361	0.0468	33	246	257	GQDLSQIMEEIR			Oxidation (M)[8]		Mascot

28 endoribonuclease Dicer [Danio rerio] gi|238814324 210682.5 5.14 20 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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[illegible]

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.5254	973.5086	-0.0168	-17	220	226	HYIHYLEK					Mascot
1277.6307	1277.6821	0.0514	40	436	445	CHDIIISTYR			Carbamidomethyl (C)[1]		Mascot
1277.6307	1277.6821	0.0514	40	436	445	CHDIIISTYR	35	90.205	Carbamidomethyl (C)[1]		Mascot
2384.2344	2383.8896	-0.3448	-145	407	427	NSAPVQVLQEYVNLIDDP ELK					Mascot

30 internexin neuronal intermediate filament protein, alpha gi|221307553 54608.2 5.47 10 42 0
[Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
882.4427	882.5468	0.1041	118	114	120 NLEQHNK				Mascot
996.4996	996.5478	0.0482	48	267	275 GQYETLASK				Mascot
1037.4568	1037.5016	0.0448	43	202	210 DVDDATMVR		Oxidation (M)[7]		Mascot
1165.5518	1165.5582	0.0064	5	201	210 KDVDATMVR		Oxidation (M)[8]		Mascot
1262.674	1262.5718	-0.1022	-81	139	148 LAELYQQEIR				Mascot
1302.676	1302.6838	0.0078	6	328	338 GTNESLERQIR				Mascot
1308.6477	1308.6281	-0.0196	-15	23	34 FAGSRMSNVSPR	8	0		Mascot
1308.6477	1308.6281	-0.0196	-15	23	34 FAGSRMSNVSPR				Mascot
1393.7507	1393.6974	-0.0533	-38	384	395 MALDIEIAAYRK				Mascot
1838.8813	1838.8876	0.0063	3	288	303 FASLNEQATRTNEAMR				Mascot
2384.2166	2383.8896	-0.327	-137	375	394 EYQDLLNVKMALDIEIAAYR		Oxidation (M)[10]		Mascot

31 PREDICTED: inner centromere protein A [Danio rerio] gi|326680010 93462.3 9.45 15 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
973.5312	973.5086	-0.0226	-23	444	452 QSATKPDVK				Mascot
1036.4615	1036.5082	0.0467	45	386	395 AGESEMSTPK				Mascot
1037.5197	1037.5016	-0.0181	-17	584	591 FQEMQAKR				Mascot
1045.5272	1045.5388	0.0116	11	472	479 IEQENERK				Mascot
1064.504	1064.5846	0.0806	76	71	79 VSMELNESR				Mascot
1082.4419	1082.571	0.1291	119	167	176 QACEDSTSNK				Mascot
1201.6171	1201.6139	-0.0032	-3	687	696 AEQEREALQK				Mascot
1234.6348	1234.6512	0.0164	13	523	532 IEEKMAQLEK		Oxidation (M)[5]		Mascot
1234.6348	1234.6512	0.0164	13	523	532 IEEKMAQLEK		Oxidation (M)[5]		Mascot
1302.6284	1302.6838	0.0554	43	573	582 KQQQVEEEER				Mascot
1329.6766	1329.6919	0.0153	12	403	413 KCLTSIAPHMR		Carbamidomethyl (C)[2], Oxidation (M)[10]		Mascot
1365.7372	1365.6073	-0.1299	-95	131	143 NKTAAPAEPEPIK				Mascot
1638.7566	1638.8219	0.0653	40	360	376 TSVTDDSGGSKSIGDGR				Mascot
1638.7566	1638.8219	0.0653	40	360	376 TSVTDDSGGSKSIGDGR	1	0		Mascot
1994.0232	1993.926	-0.0972	-49	422	439 NQILMMTPGSLGRSTIMK		Oxidation (M)[5]		Mascot

	2233.1743	2233.0325	-0.1418	-63	724	744	STALNMTVDIENSVLKTP VGK					Oxidation (M)[6]	Mascot
	3312.4443	3312.2224	-0.2219	-67	777	806	GQKITVLVNPEDYGMDQ NSDDSTDDESAPR					Oxidation (M)[15]	Mascot
32	PREDICTED: coiled-coil domain-containing protein C16orf93 homolog [Danio rerio]				gi 292619525		33587.9	5.12	8	41	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3743	807.3789	0.0046	6	84	89	EQNFNR					Mascot
870.4508	870.5181	0.0673	77	159	164	HYFLYK					Mascot
973.5676	973.5086	-0.059	-61	245	252	TIVEKEVR					Mascot
1060.5997	1060.537	-0.0627	-59	241	249	SDLRTIVEK					Mascot
1157.6525	1157.5648	-0.0877	-76	258	267	LSAQLQQELK					Mascot
1234.5182	1234.6512	0.133	108	194	204	SQSESPADEER					Mascot
1234.5182	1234.6512	0.133	108	194	204	SQSESPADEER					Mascot
1357.707	1357.6864	-0.0206	-15	232	244	SPNPGLSSKSDLR					Mascot
1357.707	1357.6864	-0.0206	-15	232	244	SPNPGLSSKSDLR					Mascot
1390.7107	1390.6492	-0.0615	-44	47	57	STQDIERILCR			Carbamidomethyl (C)[10]		Mascot

33	hypothetical protein LOC100124602 [Danio rerio]				gi 156616350		28791.8	4.83	10	41	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
832.441	832.4694	0.0284	34	97	103	ALKDEEK					Mascot
882.4791	882.5468	0.0677	77	33	39	ELAHERK					Mascot
1036.5343	1036.5082	-0.0261	-25	1	10	MAATSLEAVK			Oxidation (M)[1]		Mascot
1045.6	1045.5388	-0.0612	-59	2	11	AATSLEAVKR					Mascot
1107.5792	1107.5156	-0.0636	-57	202	211	AEFAERSVAK					Mascot
1109.4891	1109.4669	-0.0222	-20	82	91	AADESERGMK			Oxidation (M)[9]		Mascot
1194.6729	1194.5847	-0.0882	-74	162	171	VLDQTYKSLK					Mascot
1308.6178	1308.6281	0.0103	8	197	207	EAETRAEFAER					Mascot
1308.6178	1308.6281	0.0103	8	197	207	EAETRAEFAER					Mascot
1316.6328	1316.4987	-0.1341	-102	15	26	LLQEQAADGAEDK					Mascot
1475.7773	1475.72	-0.0573	-39	104	115	MEIQEQLKEAK			Oxidation (M)[1]		Mascot

34	PREDICTED: transformation/transcription domain-associated protein [Danio rerio]				gi 326672350		433471.2	8.52	30	41	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
832.4312	832.4694	0.0382	46	1714	1720	NYGITHK					Mascot
882.5155	882.5468	0.0313	35	2182	2189	AVHSLLSR					Mascot
914.5206	914.5304	0.0098	11	268	274	QHKLFNK					Mascot
995.5342	995.493	-0.0412	-41	112	119	NILSVMFR			Oxidation (M)[6]		Mascot
1003.4553	1003.5294	0.0741	74	3311	3318	CYSVAFEK			Carbamidomethyl (C)[1]		Mascot
1003.4553	1003.5294	0.0741	74	3311	3318	CYSVAFEK			Carbamidomethyl (C)[1]		Mascot
1037.5448	1037.5016	-0.0432	-42	3084	3092	GMFLAQINK			Oxidation (M)[2]		Mascot
1045.5095	1045.5388	0.0293	28	3604	3612	EVQGNMVPR			Oxidation (M)[6]		Mascot
1060.5608	1060.537	-0.0238	-22	2506	2515	AAFAMATHIK					Mascot
1109.566	1109.4669	-0.0991	-89	548	557	TITWGITSCK					Mascot
1165.5817	1165.5582	-0.0235	-20	606	615	VANCQTVRMK			Oxidation (M)[9]		Mascot
1193.5337	1193.5867	0.053	44	3264	3272	CSRIMHMQR			Oxidation (M)[5,7]		Mascot
1194.5573	1194.5847	0.0274	23	1653	1662	KDNMAATNWK			Oxidation (M)[4]		Mascot
1234.7054	1234.6512	-0.0542	-44	986	995	WIPNVIISHR					Mascot
1234.7405	1234.6512	-0.0893	-72	574	583	ETQIYIKLVK	7	0			Mascot
1262.6925	1262.5718	-0.1207	-96	3463	3472	FMPRVEIVQK			Oxidation (M)[2]		Mascot
1308.5646	1308.6281	0.0635	49	1452	1461	FCDQMMQHRLR					Mascot
1308.6212	1308.6281	0.0069	5	2020	2031	GMSVDSAQDVKR			Oxidation (M)[2]		Mascot
1316.5536	1316.4987	-0.0549	-42	2248	2259	SACSNSSSIDR					Mascot
1323.7168	1323.6423	-0.0745	-56	1226	1236	SFHLVTHDLVR					Mascot
1323.7168	1323.6423	-0.0745	-56	1226	1236	SFHLVTHDLVR					Mascot
1340.5544	1340.6432	0.0888	66	1452	1461	FCDQMMQHRLR			Oxidation (M)[5,6]		Mascot
1357.6859	1357.6864	0.0005	0	871	882	NPAETISHVAYR					Mascot
1357.6859	1357.6864	0.0005	0	871	882	NPAETISHVAYR					Mascot
1365.5861	1365.6073	0.0212	16	1452	1461	FCDQMMQHRLR			Carbamidomethyl (C)[2]		Mascot
1393.6991	1393.6974	-0.0017	-1	728	740	IVNSSMELAQSAK			Oxidation (M)[6]		Mascot
1434.7079	1434.7361	0.0282	20	2466	2477	QCTELLAVCER			Carbamidomethyl (C)[2]		Mascot
1434.7079	1434.7361	0.0282	20	2466	2477	QCTELLAVCER			Carbamidomethyl (C)[2]		Mascot
1475.8217	1475.72	-0.1017	-69	1963	1975	LGFTPSVTIEQRK					Mascot
1493.7126	1493.6996	-0.013	-9	1311	1322	LFTMDLNVMEHK			Oxidation (M)[4]		Mascot
1493.7126	1493.6996	-0.013	-9	1311	1322	LFTMDLNVMEHK			Oxidation (M)[4]		Mascot
1638.8958	1638.8219	-0.0739	-45	443	455	DILMRMLEVFVLK			Oxidation (M)[4,6]		Mascot
1638.8958	1638.8219	-0.0739	-45	443	455	DILMRMLEVFVLK			Oxidation (M)[4,6]		Mascot
1867.8928	1867.8777	-0.0151	-8	915	930	AEFTDCKASIQLPMEK			Carbamidomethyl (C)[6]		Mascot

	2211.0745	2211.0513	-0.0232	-10	1075	1094	GMDPLVLIDAIACMAYEE K		Oxidation (M)[2]		Mascot
	2283.0981	2283.1252	0.0271	12	3617	3634	EWALHTFPNATDYWTFR K				Mascot
	2284.1384	2284.1187	-0.0197	-9	1175	1196	ALLFVMMDLTGEVSN GAVAMAK		Oxidation (M)[6]		Mascot
	2872.5024	2872.3191	-0.1833	-64	581	605	LVKYAMQALDIYQVQIAG NGQTYIR		Oxidation (M)[6]		Mascot

35 PREDICTED: G protein-activated inward rectifier potassium channel 4-like [Danio rerio] gi|292623912 48753.5 5.51 10 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
832.3514	832.4694	0.118	142	216	221	MCLMFR			Oxidation (M)[1,4]		Mascot
842.4842	842.4883	0.0041	5	191	197	ISQPKNR					Mascot
973.5789	973.5086	-0.0703	-72	239	246	LIRSQQTK					Mascot
1064.5054	1064.5846	0.0792	74	61	69	CNVHHGNVK			Carbamidomethyl (C)[1]		Mascot
1157.5265	1157.5648	0.0383	33	213	221	DNKMCLMFR					Mascot
1307.6273	1307.6526	0.0253	19	58	69	DGKCNVHHGNVK					Mascot
1340.6636	1340.6432	-0.0204	-15	216	226	MCLMFRVGDRL					Mascot
1390.8165	1390.6492	-0.1673	-120	40	51	THLISDPVKKPR					Mascot
1852.0579	1851.8809	-0.177	-96	269	284	LFLVSPLIISHEINEK					Mascot
2872.5066	2872.3191	-0.1875	-65	269	292	LFLVSPLIISHEINEKSPF WEMSR					Mascot
2888.5015	2888.3325	-0.169	-59	269	292	LFLVSPLIISHEINEKSPF WEMSR			Oxidation (M)[22]		Mascot

36 Pbx2 [Danio rerio] gi|7861936 18895.6 9.08 6 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1051.5782	1051.6875	0.1093	104	133	141	FSSIQTQLK					Mascot
1179.6442	1179.5731	-0.0711	-60	1	10	ALFSVLCEIK			Carbamidomethyl (C)[7]		Mascot
1179.6732	1179.5731	-0.1001	-85	132	141	KFSSIQTQLK	11	0			Mascot
1307.6447	1307.6526	0.0079	6	142	152	QSTCEAVMILR			Carbamidomethyl (C)[4]		Mascot
1323.6395	1323.6423	0.0028	2	142	152	QSTCEAVMILR			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot
1323.6395	1323.6423	0.0028	2	142	152	QSTCEAVMILR			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot
1493.7563	1493.6996	-0.0567	-38	142	154	QSTCEAVMILRSR					Mascot
1493.7563	1493.6996	-0.0567	-38	142	154	QSTCEAVMILRSR	2	0			Mascot
2283.1836	2283.1252	-0.0584	-26	133	152	FSSIQTQLKQSTCEAVMI LR					Mascot

37 CTTNBP2 N-terminal-like protein [Danio rerio] gi|116517238 65830.4 6.2 11 40 0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
914.5166	914.5304	0.0138	15	119	126 QLAAAERR						Mascot
996.5836	996.5478	-0.0358	-36	520	529 SPGILSPGIR						Mascot
1045.5411	1045.5388	-0.0023	-2	130	138 VIADLEEEK						Mascot
1107.631	1107.5156	-0.1154	-104	539	548 FHSPVPVPAKK						Mascot
1179.5319	1179.5731	0.0412	35	104	113 LVMAHCTNMK			Oxidation (M)[3,9]			Mascot
1179.5319	1179.5731	0.0412	35	104	113 LVMAHCTNMK			Oxidation (M)[3,9]			Mascot
1201.6284	1201.6139	-0.0145	-12	247	256 AQQIEARTER						Mascot
1307.7106	1307.6526	-0.058	-44	536	547 AEKFHSPVPVPAK						Mascot
1320.5663	1320.5532	-0.0131	-10	79	90 DSELSQAQDDGR						Mascot
1493.6909	1493.6996	0.0087	6	104	115 LVMAHCTNMKEK			Carbamidomethyl (C)[6], Oxidation (M)[3,9]			Mascot
1493.6909	1493.6996	0.0087	6	104	115 LVMAHCTNMKEK			Carbamidomethyl (C)[6], Oxidation (M)[3,9]			Mascot
1707.749	1707.7299	-0.0191	-11	142	157 AQDAAAGDDITDMLER			Oxidation (M)[13]			Mascot
1994.1029	1993.926	-0.1769	-89	509	529 NLAAASPTGKSPGILSP GIR						Mascot
38	novel protein [Danio rerio]			gi 169146109		64501.6	6.3	11	40	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
914.5166	914.5304	0.0138	15	107	114 QLAAAERR						Mascot
996.5836	996.5478	-0.0358	-36	508	517 SPGILSPGIR						Mascot
1045.5411	1045.5388	-0.0023	-2	118	126 VIADLEEEK						Mascot
1107.631	1107.5156	-0.1154	-104	527	536 FHSPVPVPAKK						Mascot
1179.5319	1179.5731	0.0412	35	92	101 LVMAHCTNMK			Oxidation (M)[3,9]			Mascot
1179.5319	1179.5731	0.0412	35	92	101 LVMAHCTNMK			Oxidation (M)[3,9]			Mascot
1201.6284	1201.6139	-0.0145	-12	235	244 AQQIEARTER						Mascot
1307.7106	1307.6526	-0.058	-44	524	535 AEKFHSPVPVPAK						Mascot
1320.5663	1320.5532	-0.0131	-10	67	78 DSELSQAQDDGR						Mascot
1493.6909	1493.6996	0.0087	6	92	103 LVMAHCTNMKEK			Carbamidomethyl (C)[6], Oxidation (M)[3,9]			Mascot
1493.6909	1493.6996	0.0087	6	92	103 LVMAHCTNMKEK			Carbamidomethyl (C)[6], Oxidation (M)[3,9]			Mascot
1707.749	1707.7299	-0.0191	-11	130	145 AQDAAAGDDITDMLER			Oxidation (M)[13]			Mascot
1994.1029	1993.926	-0.1769	-89	497	517 NLAAASPTGKSPGILSP GIR						Mascot
39	28S ribosomal protein S15, mitochondrial [Danio rerio]			gi 50540040		30971.5	10.11	9	40	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
832.4158	832.4694	0.0536	64	244	250	AEEAERK					Mascot
995.5706	995.493	-0.0776	-78	1	8	MVLKSVFR			Oxidation (M)[1]		Mascot
1037.5159	1037.5016	-0.0143	-14	169	176	WMLMTIDK					Mascot
1045.4949	1045.5388	0.0439	42	187	194	TRYDSFEK					Mascot
1118.5187	1118.4829	-0.0358	-32	189	197	YDSFEKVCK					Mascot
1179.5125	1179.5731	0.0606	51	252	263	SSSSTNPQETAA					Mascot
1179.5125	1179.5731	0.0606	51	252	263	SSSSTNPQETAA					Mascot
1193.6169	1193.5867	-0.0302	-25	169	177	WMLMTIDKR					Mascot
1234.7266	1234.6512	-0.0754	-61	5	15	SVFRSTVLGLR	10	0			Mascot
1234.7266	1234.6512	-0.0754	-61	5	15	SVFRSTVLGLR					Mascot
1307.6074	1307.6526	0.0452	35	251	263	KSSSSTNPQETAA					Mascot
40	Josephin-1 [Danio rerio]			gi 115497592		26182.5	9.34	7	40	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1051.5908	1051.6875	0.0967	92	170	177	RQHWIGVR					Mascot
1179.6732	1179.5731	-0.1001	-85	96	106	LSPSTLVTPHK					Mascot
1179.6732	1179.5731	-0.1001	-85	96	106	LSPSTLVTPHK					Mascot
1307.7682	1307.6526	-0.1156	-88	96	107	LSPSTLVTPHKK					Mascot
1357.6635	1357.6864	0.0229	17	178	189	EVAGVYYNLDISK					Mascot
1357.6635	1357.6864	0.0229	17	178	189	EVAGVYYNLDISK					Mascot
1838.8927	1838.8876	-0.0051	-3	12	28	GVGGFQELGCM PWKVS K			Oxidation (M)[11]		Mascot
2233.0818	2233.0325	-0.0493	-22	67	86	ELCALHALNNVFQDGAA FSR			Carbamidomethyl (C)[3]		Mascot
3312.5928	3312.2224	-0.3704	-112	108	136	NMLGNGNYDVNVIMAAL QTRGFEAVWWDK					Mascot
41	Tcf3 protein [Danio rerio]			gi 71679753		53929.7	6.39	10	40	0	

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
832.4206	832.4694	0.0488	59	411	417	RMANNAR					Mascot
870.4791	870.5181	0.039	45	468	474	ERNLNPK					Mascot
973.4706	973.5086	0.038	39	435	441	MCQLHLR			Carbamidomethyl (C)[2], Oxidation (M)[1]		Mascot

1036.4429	1036.5082	0.0653	63	377	385	SEDEKEDGK							Mascot
1082.5187	1082.571	0.0523	48	1	9	MYNLEIDGK							Mascot
1118.5436	1118.4829	-0.0607	-54	184	196	GANAGSSGAEIGK							Mascot
1165.5385	1165.5582	0.0197	17	41	50	GSSQFYSPHR							Mascot
1234.5433	1234.6512	0.1079	87	366	376	DDDENLSIADK							Mascot
1234.5433	1234.6512	0.1079	87	366	376	DDDENLSIADK							Mascot
1323.6539	1323.6423	-0.0116	-9	2	12	YNLEIDGKSER							Mascot
1323.6539	1323.6423	-0.0116	-9	2	12	YNLEIDGKSER							Mascot
1867.8425	1867.8777	0.0352	19	486	504	VTGEAQM ⁺ LSGLGGDGHA ⁺ HM							Mascot

42 PREDICTED: ankyrin repeat and BTB/POZ domain-containing protein 2-like [Danio rerio] gi|189521623 111556.2 5.84 14 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3818	807.3789	-0.0029	-4	206	211	WMVDTR					Mascot
842.473	842.4883	0.0153	18	654	660	LLSEPQR					Mascot
870.4614	870.5181	0.0567	65	139	145	LSVVHCR			Carbamidomethyl (C)[6]		Mascot
882.4614	882.5468	0.0854	97	997	1004	LHSLCGPR					Mascot
1045.5173	1045.5388	0.0215	21	548	556	HPSVHPESR					Mascot
1051.5306	1051.6875	0.1569	149	758	766	DFTIIGEEK					Mascot
1082.4969	1082.571	0.0741	68	691	699	SVCTSQLCK			Carbamidomethyl (C)[3,8]		Mascot
1118.5688	1118.4829	-0.0859	-77	428	437	SLLVSDDDR					Mascot
1193.6161	1193.5867	-0.0294	-25	308	317	ETAYAQLER					Mascot
1262.6674	1262.5718	-0.0956	-76	206	215	WMVDTRISVR					Mascot
1302.6041	1302.6838	0.0797	61	925	934	RHCEILCSER			Carbamidomethyl (C)[3]		Mascot
1307.7252	1307.6526	-0.0726	-56	849	859	VLLMSASQRFR					Mascot
1323.7202	1323.6423	-0.0779	-59	849	859	VLLMSASQRFR			Oxidation (M)[4]		Mascot
1323.7202	1323.6423	-0.0779	-59	849	859	VLLMSASQRFR			Oxidation (M)[4]		Mascot
1434.7046	1434.7361	0.0315	22	106	119	VAGEGLCFAPESVR					Mascot
1434.7046	1434.7361	0.0315	22	106	119	VAGEGLCFAPESVR					Mascot
3312.6497	3312.2224	-0.4273	-129	318	347	TLEQALLATCVGSLSELS DLVSRAMHHMQR			Oxidation (M)[25]		Mascot

43 ras-related protein Rab-14 [Danio rerio] gi|41393147 23859.9 5.84 7 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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	973.4949	973.5086	0.0137	14	202	210	LSSDAQPQK										Mascot
	1165.6285	1165.5582	-0.0703	-60	14	24	YIIIGDMGVGK										Mascot
	1262.6198	1262.5718	-0.048	-38	25	34	SCLLHQFTEK					Carbamidomethyl (C)[2]					Mascot
	1316.6593	1316.4987	-0.1606	-122	62	72	LQIWDTAGQER										Mascot
	1390.7147	1390.6492	-0.0655	-47	25	35	SCLLHQFTEKK					Carbamidomethyl (C)[2]					Mascot
	1493.7118	1493.6996	-0.0122	-8	157	170	TGENVEDAFLEAAK										Mascot
	1493.7893	1493.6996	-0.0897	-60	83	96	GAAGALMVYDITRR			3	0						Mascot

44 Idh3a protein [Danio rerio] gi|157423273 16736.4 6.89 6 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1003.489	1003.5294	0.0404	40	108	116	HMGLHGHAK				Oxidation (M)[2]		Mascot
1003.489	1003.5294	0.0404	40	108	116	HMGLHGHAK				Oxidation (M)[2]		Mascot
1109.5693	1109.4669	-0.1024	-92	7	17	STVSCIMGAIK						Mascot
1201.4976	1201.6139	0.1163	97	142	151	CSEFTADICR				Carbamidomethyl (C)[1]		Mascot
1300.5773	1300.5455	-0.0318	-24	142	152	CSEFTADICRR						Mascot
1357.5988	1357.6864	0.0876	65	142	152	CSEFTADICRR				Carbamidomethyl (C)[1]		Mascot
1357.5988	1357.6864	0.0876	65	142	152	CSEFTADICRR				Carbamidomethyl (C)[1]		Mascot
1707.8669	1707.7299	-0.137	-80	2	17	ANAWRSTVSCIMGAIK						Mascot
1838.9073	1838.8876	-0.0197	-11	1	17	MANAWRSTVSCIMGAIK						Mascot

45 PREDICTED: voltage-dependent L-type calcium channel subunit alpha-1F-like [Danio rerio] gi|326670278 229246.9 5.61 1 25 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1234.6976	1234.6512	-0.0464	-38	913	923	SVIQCVFVAIR	25	0			1	Mascot

46 Ccdc101 protein [Danio rerio] gi|201090170 33213 8.21 1 24 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1234.5732	1234.6512	0.078	63	68	78	ADAEAECSILR	24	0		Carbamidomethyl (C)[7]	2	Mascot

47 PREDICTED: guanine nucleotide-binding protein subunit alpha-15-like [Danio rerio] gi|326678594 43175 8.7 1 23 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	%	Modification	Rank	Result Type
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														Seq.	Seq.	Score							
				1234.6902	1234.6512	-0.039	-32	128	137	LQRSYVEAIR			23	0					3	Mascot			
48	PREDICTED: ankyrin repeat domain-containing protein 46-like [Danio rerio]										gi 292625777	25074.7	5.92	1		20	0						
Peptide Information																							
				Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence			Ion Score	C. I. %	Modification	Rank Result Type							
				1434.7158	1434.7361	0.0203	14	30	41	RLLESGFDPNMR			20	0					1	Mascot			
49	PREDICTED: zinc finger protein 618 [Danio rerio]										gi 326668299	93606.8	7.47	1		20	0						
Peptide Information																							
				Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence			Ion Score	C. I. %	Modification	Rank Result Type							
				1234.6348	1234.6512	0.0164	13	395	406	EALGDMSSLALK			20	0					5	Mascot			
50	PREDICTED: myomesin-1 isoform 1 [Danio rerio]										gi 326669724	162996	5.92	1		20	0						
Peptide Information																							
				Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence			Ion Score	C. I. %	Modification	Rank Result Type							
				1234.7041	1234.6512	-0.0529	-43	1204	1214	KDAGIYEVVLK			22	0					4	Mascot			

Gel Idx/Pos	267/K19	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %		
1	RecName: Full=Glial fibrillary acidic protein; Short=GFAP	gi 150383441	51218	5.34	13	132	100	76	100		
Peptide Information											
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1051.4916		1051.5101	0.0185	18	292	299 QEANDYRR					Mascot
1060.5632		1060.5397	-0.0235	-22	380	388 KLEGEESR					Mascot
1064.4863		1064.5814	0.0951	89	83	91 VEMMGLNDR					Mascot
1090.531		1090.5007	-0.0303	-28	321	328 QLREMEER					Mascot
1106.5259		1106.5027	-0.0232	-21	321	328 QLREMEER			Oxidation (M)[5]		Mascot
1229.6597		1229.4825	-0.1772	-144	165	174 QRLQDETALR					Mascot

	1235.6266	1235.5028	-0.1238	-100	124	133	LGDIYQEELR						Mascot
	1246.5811	1246.5112	-0.0699	-56	2	11	ESQRSFSSYR						Mascot
	1277.71	1277.6805	-0.0295	-23	369	379	LALDIEIATYR	76	100				Mascot
	1277.71	1277.6805	-0.0295	-23	369	379	LALDIEIATYR						Mascot
	1308.6543	1308.6299	-0.0244	-19	271	282	SKFADLTDAANR						Mascot
	1393.6165	1393.6962	0.0797	57	1	11	MESQRSFSSYR		Oxidation (M)[1]				Mascot
	1434.756	1434.7373	-0.0187	-13	29	41	HSTGRSLHSSPR						Mascot
	1434.756	1434.7373	-0.0187	-13	29	41	HSTGRSLHSSPR						Mascot
	1475.7522	1475.7231	-0.0291	-20	300	312	QIQGLTCDLESLR						Mascot
	2566.0974	2566.2104	0.113	44	252	272	AQFEAMANSNMQETEE WYRSK		Oxidation (M)[6]				Mascot
2	Gfp protein [Danio rerio]				g 124504410	51101	5.34	12	127	100	76	100	

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1051.4916	1051.5101	0.0185	18	291	298	QEANDYRR					Mascot
1060.5632	1060.5397	-0.0235	-22	379	387	KLLEGEESR					Mascot
1064.4863	1064.5814	0.0951	89	82	90	VEMMGLNDR					Mascot
1090.531	1090.5007	-0.0303	-28	320	327	QLREMEER					Mascot
1106.5259	1106.5027	-0.0232	-21	320	327	QLREMEER			Oxidation (M)[5]		Mascot
1229.6597	1229.4825	-0.1772	-144	164	173	QRLQDETALR					Mascot
1235.6266	1235.5028	-0.1238	-100	123	132	LGDIYQEELR					Mascot
1246.5811	1246.5112	-0.0699	-56	1	10	ESQRSFSSYR					Mascot
1277.71	1277.6805	-0.0295	-23	368	378	LALDIEIATYR	76	100			Mascot
1277.71	1277.6805	-0.0295	-23	368	378	LALDIEIATYR					Mascot
1308.6543	1308.6299	-0.0244	-19	270	281	SKFADLTDAANR					Mascot
1434.756	1434.7373	-0.0187	-13	28	40	HSTGRSLHSSPR					Mascot
1434.756	1434.7373	-0.0187	-13	28	40	HSTGRSLHSSPR					Mascot
1475.7522	1475.7231	-0.0291	-20	299	311	QIQGLTCDLES LR					Mascot
2566.0974	2566.2104	0.113	44	251	271	AQFEAMANSNMQETEE WYRSK			Oxidation (M)[6]		Mascot

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1051.4916	1051.5101	0.0185	18	283	290	QEANDYRR					Mascot

1060.5632	1060.5397	-0.0235	-22	371	379	KLLEGEESR													Mascot
1090.531	1090.5007	-0.0303	-28	312	319	QLREMEER													Mascot
1106.5259	1106.5027	-0.0232	-21	312	319	QLREMEER													Mascot
1229.6597	1229.4825	-0.1772	-144	156	165	QRLQDETALR													Mascot
1235.6266	1235.5028	-0.1238	-100	115	124	LGDIYQEELR													Mascot
1246.5811	1246.5112	-0.0699	-56	2	11	ESQRSFSSYR													Mascot
1277.71	1277.6805	-0.0295	-23	360	370	LALDIEIATYR													Mascot
1277.71	1277.6805	-0.0295	-23	360	370	LALDIEIATYR													Mascot
1308.6543	1308.6299	-0.0244	-19	262	273	SKFADLTDAANR													Mascot
1393.6165	1393.6962	0.0797	57	1	11	MESQRSFSSYR													Mascot
1434.756	1434.7373	-0.0187	-13	29	41	HSTGRSLHSSPR													Mascot
1434.756	1434.7373	-0.0187	-13	29	41	HSTGRSLHSSPR													Mascot
1475.7522	1475.7231	-0.0291	-20	291	303	QIQGLTCDLESLR													Mascot
2566.0974	2566.2104	0.113	44	243	263	SQFEAMANSNMQETEE WYRSK													Mascot

4 class III intermediate filament protein [Danio rerio] gi|38374177 51255 5.28 12 126 100 76 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1051.4916	1051.5101	0.0185	18	292	299	QEANDYRR					Mascot
1060.5632	1060.5397	-0.0235	-22	380	388	KLLEGEESR					Mascot
1064.4863	1064.5814	0.0951	89	83	91	VEMMGLNDR					Mascot
1229.6597	1229.4825	-0.1772	-144	165	174	QRLQDETALR					Mascot
1235.6266	1235.5028	-0.1238	-100	124	133	LGDIYQEELR					Mascot
1246.5811	1246.5112	-0.0699	-56	2	11	ESQRSFSSYR					Mascot
1277.71	1277.6805	-0.0295	-23	369	379	LALDIEIATYR					Mascot
1277.71	1277.6805	-0.0295	-23	369	379	LALDIEIATYR					Mascot
1308.6543	1308.6299	-0.0244	-19	271	282	SKFADLTDAANR					Mascot
1393.6165	1393.6962	0.0797	57	1	11	MESQRSFSSYR					Mascot
1434.756	1434.7373	-0.0187	-13	29	41	HSTGRSLHSSPR					Mascot
1434.756	1434.7373	-0.0187	-13	29	41	HSTGRSLHSSPR					Mascot
1475.7522	1475.7231	-0.0291	-20	300	312	QIQGLTCDLESLR					Mascot
2566.0974	2566.2104	0.113	44	252	272	SQFEAMANSNMQETEE WYRSK					Mascot

5 glial fibrillary acidic protein [Danio rerio] gi|66393075 51190 5.34 12 124 100 76 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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														Seq.	Seq.	Score				
	1051.4916	1051.5101	0.0185	18	292	299	QEANDYRR										Mascot			
	1060.5632	1060.5397	-0.0235	-22	380	388	KLLEGEESR										Mascot			
	1064.4863	1064.5814	0.0951	89	83	91	VEMMGLNDR										Mascot			
	1229.6597	1229.4825	-0.1772	-144	165	174	QRLQDETALR										Mascot			
	1235.6266	1235.5028	-0.1238	-100	124	133	LGDIYQEELR										Mascot			
	1246.5811	1246.5112	-0.0699	-56	2	11	ESQRSFSSYR										Mascot			
	1277.71	1277.6805	-0.0295	-23	369	379	LALDIEIATYR	76		100							Mascot			
	1277.71	1277.6805	-0.0295	-23	369	379	LALDIEIATYR										Mascot			
	1308.6543	1308.6299	-0.0244	-19	271	282	SKFADLTDAANR										Mascot			
	1393.6165	1393.6962	0.0797	57	1	11	MESQRSFSSYR					Oxidation (M)[1]					Mascot			
	1434.756	1434.7373	-0.0187	-13	29	41	HSTGRSLHSSPR										Mascot			
	1434.756	1434.7373	-0.0187	-13	29	41	HSTGRSLHSSPR										Mascot			
	1475.7522	1475.7231	-0.0291	-20	300	312	QIQGLTCDLESLR										Mascot			
	2566.0974	2566.2104	0.113	44	252	272	AQFEAMANSNMQETEE WYRSK					Oxidation (M)[6]					Mascot			
6	glial fibrillary acidic protein [Danio rerio]				gij 37722304			51205	5.34	12	123	100	76	100						
Peptide Information																				
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I.	%	Modification		Rank	Result	Type				
	1051.4916	1051.5101	0.0185	18	292	299	QEANDYRR										Mascot			
	1060.5632	1060.5397	-0.0235	-22	380	388	KLLEGEESR										Mascot			
	1064.4863	1064.5814	0.0951	89	83	91	VEMMGLNDR										Mascot			
	1090.531	1090.5007	-0.0303	-28	321	328	QLREMEER										Mascot			
	1106.5259	1106.5027	-0.0232	-21	321	328	QLREMEER					Oxidation (M)[5]					Mascot			
	1229.6597	1229.4825	-0.1772	-144	165	174	QRLQDETALR										Mascot			
	1235.6266	1235.5028	-0.1238	-100	124	133	LGDIYQEELR										Mascot			
	1246.5811	1246.5112	-0.0699	-56	2	11	ESQRSFSSYR										Mascot			
	1277.71	1277.6805	-0.0295	-23	369	379	LALDIEIATYR	76		100							Mascot			
	1277.71	1277.6805	-0.0295	-23	369	379	LALDIEIATYR										Mascot			
	1308.6543	1308.6299	-0.0244	-19	271	282	SKFADLTDAANR										Mascot			
	1393.6165	1393.6962	0.0797	57	1	11	MESQRSFSSYR					Oxidation (M)[1]					Mascot			
	1434.756	1434.7373	-0.0187	-13	29	41	HSTGRSLHSSPR										Mascot			
	1434.756	1434.7373	-0.0187	-13	29	41	HSTGRSLHSSPR										Mascot			
	1475.7522	1475.7231	-0.0291	-20	300	312	QIQGLTCDLESLR										Mascot			
7	glial fibrillary acidic protein [Danio rerio]				gij 239596173			19203.6	4.89	6	108	100	76	100						

Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification	Rank	Result Type	
	1051.4916	1051.5101	0.0185	18	33	40 QEANDYRR						Mascot	
	1060.5632	1060.5397	-0.0235	-22	121	129 KLLEGEESR						Mascot	
	1090.531	1090.5007	-0.0303	-28	62	69 QLREMEER						Mascot	
	1106.5259	1106.5027	-0.0232	-21	62	69 QLREMEER				Oxidation (M)[5]		Mascot	
	1277.71	1277.6805	-0.0295	-23	110	120 LALDIEIATYR		76	100			Mascot	
	1277.71	1277.6805	-0.0295	-23	110	120 LALDIEIATYR						Mascot	
	1308.6543	1308.6299	-0.0244	-19	12	23 SKFADLTDAANR						Mascot	
	1475.7522	1475.7231	-0.0291	-20	41	53 QIQGLTCDLESLR						Mascot	
8	glial fibrillary acidic protein [Danio rerio]				gi 20977259		42127.4	5.03	8	103	100	76	100

Peptide Information												
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification	Rank	Result Type
	1051.4916	1051.5101	0.0185	18	208	215 QEANDYRR						Mascot
	1060.5632	1060.5397	-0.0235	-22	296	304 KLLEGEESR						Mascot
	1090.531	1090.5007	-0.0303	-28	237	244 QLREMEER						Mascot
	1106.5259	1106.5027	-0.0232	-21	237	244 QLREMEER				Oxidation (M)[5]		Mascot
	1229.6597	1229.4825	-0.1772	-144	81	90 QRLQDETALR						Mascot
	1235.6266	1235.5028	-0.1238	-100	40	49 LGDIYQEELR						Mascot
	1277.71	1277.6805	-0.0295	-23	285	295 LALDIEIATYR		76	100			Mascot
	1277.71	1277.6805	-0.0295	-23	285	295 LALDIEIATYR						Mascot
	1308.6543	1308.6299	-0.0244	-19	187	198 SKFADLTDAANR						Mascot
	2566.0974	2566.2104	0.113	44	168	188 SQFEAMANSNMQETEE WYRSK						Mascot
9	Krt4 protein [Danio rerio]				gi 161612220		53979.9	5.34	7	98	100	76 100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
882.4349	882.5441	0.1092	124	33	40 MSSVTSVR			Oxidation (M)[1]		Mascot
973.4948	973.509	0.0142	15	173	181 QLDGLGNEK					Mascot
1003.5418	1003.527	-0.0148	-15	112	119 TQEKEQIK					Mascot
1003.5418	1003.527	-0.0148	-15	112	119 TQEKEQIK					Mascot
1060.5632	1060.5397	-0.0235	-22	416	424 KLLEGEESR					Mascot

1065.5898	1065.4794	-0.1104	-104	487	496	TSVTTVSSKR							Mascot
1082.5992	1082.5731	-0.0261	-24	125	133	FASFDKVR							Mascot
1277.71	1277.6805	-0.0295	-23	405	415	LALDIEIATYR	76	100					Mascot
1277.71	1277.6805	-0.0295	-23	405	415	LALDIEIATYR							Mascot

10 Zgc:158846 [Danio rerio] gi|158253572 55223 5.44 8 97 100 76 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
996.5472	996.5406	-0.0066	-7	421	429	DIHNTGLVK					Mascot
1003.5418	1003.527	-0.0148	-15	74	81	TQEKEQIK					Mascot
1003.5418	1003.527	-0.0148	-15	74	81	TQEKEQIK					Mascot
1060.5632	1060.5397	-0.0235	-22	378	386	KLLEGEESR					Mascot
1082.5992	1082.5731	-0.0261	-24	87	95	FASFDKVR					Mascot
1229.5718	1229.4825	-0.0893	-73	271	280	YEEMQLTATK			Oxidation (M)[4]		Mascot
1277.71	1277.6805	-0.0295	-23	367	377	LALDIEIATYR	76	100			Mascot
1277.71	1277.6805	-0.0295	-23	367	377	LALDIEIATYR					Mascot
1851.9269	1851.8829	-0.044	-24	103	117	MLETKWSVLQEQTSR			Oxidation (M)[1]		Mascot
2384.2529	2383.9021	-0.3508	-147	358	377	EYQSLMNIKLALDIEIATYR					Mascot

11 Krt5 protein [Danio rerio] gi|39645432 57792.3 5.27 6 91 99.997 76 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.4948	973.509	0.0142	15	203	211	QLDGLGNEK					Mascot
1003.5418	1003.527	-0.0148	-15	142	149	TQEKEQIK					Mascot
1003.5418	1003.527	-0.0148	-15	142	149	TQEKEQIK					Mascot
1060.5632	1060.5397	-0.0235	-22	446	454	KLLEGEESR					Mascot
1082.5992	1082.5731	-0.0261	-24	155	163	FASFDKVR					Mascot
1109.4825	1109.4762	-0.0063	-6	2	14	SGGMGGGMGGGIR			Oxidation (M)[4]		Mascot
1277.71	1277.6805	-0.0295	-23	435	445	LALDIEIATYR	76	100			Mascot
1277.71	1277.6805	-0.0295	-23	435	445	LALDIEIATYR					Mascot

12 keratin 4 [Danio rerio] gi|18858947 54242 5.42 6 91 99.996 76 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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	882.4349	882.5441	0.1092	124	33	40	MSSVTSVR					Oxidation (M)[1]		Mascot
	973.4948	973.509	0.0142	15	174	182	QLDGLGNEK							Mascot
	1003.5101	1003.527	0.0169	17	389	396	QDMARQVR							Mascot
	1003.5101	1003.527	0.0169	17	389	396	QDMARQVR							Mascot
	1060.5632	1060.5397	-0.0235	-22	417	425	KLLEGEESR							Mascot
	1065.5898	1065.4794	-0.1104	-104	488	497	TSVTTVSSKR							Mascot
	1277.71	1277.6805	-0.0295	-23	406	416	LALDIEIATYR	76		100				Mascot
	1277.71	1277.6805	-0.0295	-23	406	416	LALDIEIATYR							Mascot
13	PREDICTED: keratin, type II cytoskeletal 8 [Danio rerio] gi 125849603						49959.2	5.46	7	90	99.996	76	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.4948	973.509	0.0142	15	343	350	DLEEALQR					Mascot
1003.5418	1003.527	-0.0148	-15	77	84	TQEKEQIK					Mascot
1003.5418	1003.527	-0.0148	-15	77	84	TQEKEQIK					Mascot
1060.6361	1060.5397	-0.0964	-91	422	430	IVIKTTETR					Mascot
1065.5283	1065.4794	-0.0489	-46	426	434	TTETRNSTR					Mascot
1090.4946	1090.5007	0.0061	6	138	146	QMDVVNNDR					Mascot
1106.4895	1106.5027	0.0132	12	138	146	QMDVVNNDR			Oxidation (M)[2]		Mascot
1246.5957	1246.5112	-0.0845	-68	137	146	RQMDVVNNDR					Mascot
1277.71	1277.6805	-0.0295	-23	370	380	LALDIEIATYR	76		100		Mascot
1277.71	1277.6805	-0.0295	-23	370	380	LALDIEIATYR					Mascot

14	keratin type II, tail domain [Danio rerio] gi 4107170						10583.9	8.29	2	87	99.99	76	100	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1060.5632	1060.5397	-0.0235	-22	15	23	KLLEGEESR					Mascot
1277.71	1277.6805	-0.0295	-23	4	14	LALDIEIATYR	76		100		Mascot
1277.71	1277.6805	-0.0295	-23	4	14	LALDIEIATYR					Mascot

15	RecName: Full=Keratin, type I cytoskeletal 18; gi 148886613 AltName: Full=Cytokeratin-18; Short=CK-18; AltName:						48601.1	5.53	11	86	99.989	43	98.481	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3792	-0.0203	-25	163	169	LAADDFR	43		98.481		Mascot

16	novel protein similar to vertebrate keratin family [Danio rerio]	gi 157885973	46874.6	5.23	5	86	99.989	76	100
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Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification	Rank	Result Type
973.4948	973.509	0.0142	15	365	372 DLEEALQR				Mascot
1003.5418	1003.527	-0.0148	-15	99	106 TQEKEQIK				Mascot
1003.5418	1003.527	-0.0148	-15	99	106 TQEKEQIK				Mascot
1090.4946	1090.5007	0.0061	6	160	168 QMDVVNNDR				Mascot
1106.4895	1106.5027	0.0132	12	160	168 QMDVVNNDR		Oxidation (M)[2]		Mascot
1246.5957	1246.5112	-0.0845	-68	159	168 RQMDVVNNDR				Mascot
1277.71	1277.6805	-0.0295	-23	392	402 LALDIEIATYR	76	100		Mascot
1277.71	1277.6805	-0.0295	-23	392	402 LALDIEIATYR				Mascot

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1003.5418	1003.527	-0.0148	-15	92	99	TQEKEQIK					Mascot
1003.5418	1003.527	-0.0148	-15	92	99	TQEKEQIK					Mascot
1082.5992	1082.5731	-0.0261	-24	105	113	FASFIDKVR					Mascot
1277.71	1277.6805	-0.0295	-23	385	395	LALDIEIATYR	76	100			Mascot
1277.71	1277.6805	-0.0295	-23	385	395	LALDIEIATYR					Mascot
1475.7635	1475.7231	-0.0404	-27	308	319	TEIADLNRMQR			Oxidation (M)[9]		Mascot

18 Keratin 8 [Danio rerio] gi|159155987 57624.4 5.1 4 85 99.986 76 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1003.5418	1003.527	-0.0148	-15	113	120	TQEKEQIK						Mascot
1003.5418	1003.527	-0.0148	-15	113	120	TQEKEQIK						Mascot
1082.5992	1082.5731	-0.0261	-24	126	134	FASFIDKVR						Mascot
1277.71	1277.6805	-0.0295	-23	406	416	LALDIEIATYR	76	100				Mascot
1277.71	1277.6805	-0.0295	-23	406	416	LALDIEIATYR						Mascot
1475.7635	1475.7231	-0.0404	-27	329	340	TEIADLNRMIQR			Oxidation (M)[9]			Mascot

19 keratin 5 [Danio rerio] gi|18858425 58550.6 5.34 5 84 99.981 76 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
973.4948	973.509	0.0142	15	213	221	QLDGLGNEK						Mascot
1003.5418	1003.527	-0.0148	-15	152	159	TQEKEQIK						Mascot
1003.5418	1003.527	-0.0148	-15	152	159	TQEKEQIK						Mascot
1060.5632	1060.5397	-0.0235	-22	456	464	KLLEGEESR						Mascot
1082.5992	1082.5731	-0.0261	-24	165	173	FASFIDKVR						Mascot
1277.71	1277.6805	-0.0295	-23	445	455	LALDIEIATYR	76	100				Mascot
1277.71	1277.6805	-0.0295	-23	445	455	LALDIEIATYR						Mascot

20 keratin 18 [Danio rerio] gi|29335504 41247.4 5.07 10 82 99.971 43 98.481

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
807.3995	807.3792	-0.0203	-25	91	97	LAADDFR	43	98.481				Mascot
807.3995	807.3792	-0.0203	-25	91	97	LAADDFR						Mascot
832.4523	832.464	0.0117	14	250	257	GSLEGLTLR						Mascot
882.4753	882.5441	0.0688	78	188	194	YEKMALK						Mascot
996.4996	996.5406	0.041	41	100	107	YESELSIR						Mascot
1034.5629	1034.4895	-0.0734	-71	91	99	LAADDFRVK						Mascot
1045.4697	1045.5392	0.0695	66	52	60	GPDVHDYSR						Mascot
1065.5575	1065.4794	-0.0781	-73	305	313	LEAEIATYR						Mascot
1201.6423	1201.6394	-0.0029	-2	323	332	LQDALEEQKK						Mascot

	1340.6879	1340.6318	-0.0561	-42	303	313	MKLEAEIATYR					Oxidation (M)[1]	Mascot	
	1434.6893	1434.7373	0.048	33	174	185	GQDLSQIMEEIR					Oxidation (M)[8]	Mascot	
	1434.6893	1434.7373	0.048	33	174	185	GQDLSQIMEEIR					Oxidation (M)[8]	Mascot	
21	cytokeratin-like [Danio rerio]				gi 62955621			47177.9	5.31	8	74	99.81	43	98.481

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3792	-0.0203	-25	159	165	LAADDFR	43	98.481			Mascot
807.3995	807.3792	-0.0203	-25	159	165	LAADDFR					Mascot
1034.5629	1034.4895	-0.0734	-71	159	167	LAADDFRVK					Mascot
1107.547	1107.5149	-0.0321	-29	265	273	DLEAWFQAK					Mascot
1194.5861	1194.5852	-0.0009	-1	33	46	AGSVYGGAGGSGVR					Mascot
1235.6418	1235.5028	-0.139	-112	264	273	KDLEAWFQAK					Mascot
1320.6907	1320.5549	-0.1358	-103	113	124	QFLDSKTAPSAR					Mascot
1320.6907	1320.5549	-0.1358	-103	113	124	QFLDSKTAPSAR					Mascot
1390.7219	1390.6519	-0.07	-50	18	32	VSVSGGGAGRVTGMR					Mascot
1638.8181	1638.822	0.0039	2	414	429	VVSSSSQSTSEVVSQK					Mascot
1638.8181	1638.822	0.0039	2	414	429	VVSSSSQSTSEVVSQK					Mascot

22	novel protein similar to type I cytokeratin, enveloping layer [Danio rerio]				gi 94732405			43116.8	5.22	7	69	99.386	43	98.481
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3792	-0.0203	-25	160	166	LAADDFR	43	98.481			Mascot
807.3995	807.3792	-0.0203	-25	160	166	LAADDFR					Mascot
1034.5629	1034.4895	-0.0734	-71	160	168	LAADDFRVK					Mascot
1107.547	1107.5149	-0.0321	-29	266	274	DLEAWFQAK					Mascot
1194.5861	1194.5852	-0.0009	-1	34	47	AGSVYGGAGGSGVR					Mascot
1235.6418	1235.5028	-0.139	-112	265	274	KDLEAWFQAK					Mascot
1320.6907	1320.5549	-0.1358	-103	114	125	QFLDSKTAPSAR					Mascot
1320.6907	1320.5549	-0.1358	-103	114	125	QFLDSKTAPSAR					Mascot
1390.7219	1390.6519	-0.07	-50	19	33	VSVSGGGAGRVTGMR					Mascot

23	Zgc:109868 protein [Danio rerio]				gi 120537710			47066.8	5.25	7	67	99.091	43	98.481
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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														Seq.	Seq.	Score									
	807.3995	807.3792	-0.0203	-25	158	164	LAADDFR	43	98.481									Mascot							
	807.3995	807.3792	-0.0203	-25	158	164	LAADDFR									Mascot									
	1034.5629	1034.4895	-0.0734	-71	158	166	LAADDFRVK									Mascot									
	1107.547	1107.5149	-0.0321	-29	264	272	DLEAWFQAK									Mascot									
	1194.5861	1194.5852	-0.0009	-1	32	45	AGSVYGGAGGSGVR									Mascot									
	1235.6418	1235.5028	-0.139	-112	263	272	KDLEAWFQAK									Mascot									
	1320.6907	1320.5549	-0.1358	-103	112	123	QFLDSKTAPSAR									Mascot									
	1320.6907	1320.5549	-0.1358	-103	112	123	QFLDSKTAPSAR									Mascot									
	1638.8181	1638.822	0.0039	2	413	428	VVSSSSQSTSEVVSQK									Mascot									
	1638.8181	1638.822	0.0039	2	413	428	VVSSSSQSTSEVVSQK									Mascot									
24	hypothetical protein LOC436665 [Danio rerio]				gi 50539844		47819.6	5.77	8	60	95.55	42	97.763												
Peptide Information																									
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type											
807.3665	807.3792	0.0127	16	7	14	TSSCQGPK								Mascot											
807.3995	807.3792	-0.0203	-25	172	178	LAADDFR	43	98.481						Mascot											
1064.4863	1064.5814	0.0951	89	27	36	CGTVTACAPK					Carbamidomethyl (C)[1,7]				Mascot										
1065.5463	1065.4794	-0.0669	-63	375	383	DYDALLDIK									Mascot										
1308.6794	1308.6299	-0.0495	-38	375	385	DYDALLDIKSR									Mascot										
1323.6548	1323.6425	-0.0123	-9	58	68	RVGCYPDLLCK					Carbamidomethyl (C)[4]				Mascot										
1365.7122	1365.6112	-0.101	-74	384	394	SRLEQEIATYR									Mascot										
1716.9136	1716.8134	-0.1002	-58	20	36	SIVTPIRCGTVTACAPK									Mascot										
25	type I cytokeratin [Danio rerio]				gi 18858423		46692.5	5.38	5	58	92.086	43	98.481												
Peptide Information																									
Calc. Mass		Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type											
807.3995	807.3792	-0.0203	-25	158	164	LAADDFR	43	98.481						Mascot											
807.3995	807.3792	-0.0203	-25	158	164	LAADDFR									Mascot										
972.5836	972.5529	-0.0307	-32	110	117	IRQLLDSK									Mascot										
1034.5629	1034.4895	-0.0734	-71	158	166	LAADDFRVK									Mascot										
1791.9269	1791.7307	-0.1962	-109	312	328	LSMKASLEGTLADTQAR									Mascot										
1838.7102	1838.8774	0.1672	91	2	18	MSCSSTHTYMSSGGSSR					Carbamidomethyl (C)[3], Oxidation (M)[1]				Mascot										
26	novel protein [Danio rerio]				gi 169146109		64501.6	6.3	13	57	90.486														

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
914.5166	914.5307	0.0141	15	107	114	QLAAAERR					Mascot
996.5836	996.5406	-0.043	-43	508	517	SPGILSPGIR					Mascot
1045.5411	1045.5392	-0.0019	-2	118	126	VIADLEEEK					Mascot
1065.4882	1065.4794	-0.0088	-8	280	287	ELDEMKER			Oxidation (M)[5]		Mascot
1107.631	1107.5149	-0.1161	-105	527	536	FHSPVPVPAKK					Mascot
1179.5319	1179.575	0.0431	37	92	101	LVMAHCTNMK			Oxidation (M)[3,9]		Mascot
1179.5319	1179.575	0.0431	37	92	101	LVMAHCTNMK			Oxidation (M)[3,9]		Mascot
1201.6423	1201.6394	-0.0029	-2	118	127	VIADLEEEKR					Mascot
1320.5663	1320.5549	-0.0114	-9	67	78	DSELSQAQDDGR					Mascot
1320.5663	1320.5549	-0.0114	-9	67	78	DSELSQAQDDGR					Mascot
1493.6909	1493.7014	0.0105	7	92	103	LVMAHCTNMKEK			Carbamidomethyl (C)[6], Oxidation (M)[3,9]		Mascot
1493.6909	1493.7014	0.0105	7	92	103	LVMAHCTNMKEK			Carbamidomethyl (C)[6], Oxidation (M)[3,9]		Mascot
1681.8616	1681.8075	-0.0541	-32	536	551	KQGVNQSPNSPVPSSR					Mascot
1707.749	1707.7336	-0.0154	-9	130	145	AQDAAAGDDITDMLER			Oxidation (M)[13]		Mascot
1994.1029	1993.9312	-0.1717	-86	497	517	NLAAASSPTGKSPGILSP GIR					Mascot
1994.1029	1993.9312	-0.1717	-86	497	517	NLAAASSPTGKSPGILSP GIR					Mascot
2566.2532	2566.2104	-0.0428	-17	483	507	LPQSNSSPFGTDYRNLA AASSPTGK					Mascot

27 CTTNBP2 N-terminal-like protein [Danio rerio] gi|116517238 65830.4 6.2 13 56 89.568

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
914.5166	914.5307	0.0141	15	119	126	QLAAAERR					Mascot
996.5836	996.5406	-0.043	-43	520	529	SPGILSPGIR					Mascot
1045.5411	1045.5392	-0.0019	-2	130	138	VIADLEEEK					Mascot
1065.4882	1065.4794	-0.0088	-8	292	299	ELDEMKER			Oxidation (M)[5]		Mascot
1107.631	1107.5149	-0.1161	-105	539	548	FHSPVPVPAKK					Mascot
1179.5319	1179.575	0.0431	37	104	113	LVMAHCTNMK			Oxidation (M)[3,9]		Mascot
1179.5319	1179.575	0.0431	37	104	113	LVMAHCTNMK			Oxidation (M)[3,9]		Mascot
1201.6423	1201.6394	-0.0029	-2	130	139	VIADLEEEKR					Mascot
1320.5663	1320.5549	-0.0114	-9	79	90	DSELSQAQDDGR					Mascot
1320.5663	1320.5549	-0.0114	-9	79	90	DSELSQAQDDGR					Mascot
1493.6909	1493.7014	0.0105	7	104	115	LVMAHCTNMKEK			Carbamidomethyl (C)[6], Oxidation (M)[3,9]		Mascot

	1493.6909	1493.7014	0.0105	7	104	115	LVMAHCTNMKEK						Carbamidomethyl (C)[6], Oxidation (M)[3,9]	Mascot
	1681.8616	1681.8075	-0.0541	-32	548	563	KQGVNQSPNSPVPSSR							Mascot
	1707.749	1707.7336	-0.0154	-9	142	157	AQDAAAGDDITDMLER						Oxidation (M)[13]	Mascot
	1994.1029	1993.9312	-0.1717	-86	509	529	NLAAASSPTGKSPGILSP GIR							Mascot
	1994.1029	1993.9312	-0.1717	-86	509	529	NLAAASSPTGKSPGILSP GIR							Mascot
	2566.2532	2566.2104	-0.0428	-17	495	519	LPQSNSSPFGTDYRNLA AASSPTGK							Mascot
28	hypothetical protein LOC559906 [Danio rerio]					gi 198282017	48541.8	5.61	6	55	84.921	43	98.481	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3792	-0.0203	-25	151	157	LAADDFR	43	98.481			Mascot
807.3995	807.3792	-0.0203	-25	151	157	LAADDFR					Mascot
882.4349	882.5441	0.1092	124	1	8	MSSSLSVR			Oxidation (M)[1]		Mascot
1037.5262	1037.5006	-0.0256	-25	353	360	TDYEQLLR					Mascot
1051.4836	1051.5101	0.0265	25	74	82	EAMQSLNSR			Oxidation (M)[3]		Mascot
1090.5925	1090.5007	-0.0918	-84	403	412	VVTQTMINGK					Mascot
1106.5874	1106.5027	-0.0847	-77	403	412	VVTQTMINGK			Oxidation (M)[6]		Mascot
1201.6899	1201.6394	-0.0505	-42	266	275	KLETVQTQVR					Mascot

29	type I cytokeratin, enveloping layer, like [Danio rerio]					gi 130504059	46617.6	5.13	4	53	79.659	43	98.481	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3792	-0.0203	-25	162	168	LAADDFR	43	98.481			Mascot
807.3995	807.3792	-0.0203	-25	162	168	LAADDFR					Mascot
914.407	914.5307	0.1237	135	1	8	MMSSSSIR			Oxidation (M)[1]		Mascot
1034.5629	1034.4895	-0.0734	-71	162	170	LAADDFRVK					Mascot
1194.5861	1194.5852	-0.0009	-1	31	44	AGSVYGGAGGSGVR					Mascot

30	type I cytokeratin, enveloping layer [Danio rerio]					gi 94732411	40437.7	5.15	4	53	78.7	43	98.481	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3792	-0.0203	-25	100	106	LAADDFR	43	98.481			Mascot
807.3995	807.3792	-0.0203	-25	100	106	LAADDFR					Mascot
914.407	914.5307	0.1237	135	1	8	MMSSSSIR			Oxidation (M)[1]		Mascot

		1034.5629	1034.4895	-0.0734	-71	100	108	LAADDFRVK									Mascot
		1194.5861	1194.5852	-0.0009	-1	31	44	AGSVYGGAGGSGVR									Mascot
31	keratin 12 [Danio rerio]						gi 51010971	49963.6	5.31	4	53	77.177	43	98.481			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
807.3995	807.3792	-0.0203	-25	183	189	LAADDFR	43	98.481				Mascot
807.3995	807.3792	-0.0203	-25	183	189	LAADDFR						Mascot
1034.5629	1034.4895	-0.0734	-71	183	191	LAADDFRVK						Mascot
1179.5463	1179.575	0.0287	24	1	10	MSSYSRSSFK						Mascot
1179.5463	1179.575	0.0287	24	1	10	MSSYSRSSFK						Mascot
1434.6277	1434.7373	0.1096	76	7	21	SSFKSSGGSMMSGGR			Oxidation (M)[10]			Mascot
1434.6277	1434.7373	0.1096	76	7	21	SSFKSSGGSMMSGGR			Oxidation (M)[10]			Mascot

32	hypothetical protein LOC768289 [Danio rerio]						gi 116875789	47729.2	6.11	4	53	75.545	43	98.481			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
807.3995	807.3792	-0.0203	-25	176	182	LAADDFR	43	98.481				Mascot
807.3995	807.3792	-0.0203	-25	176	182	LAADDFR						Mascot
1051.563	1051.5101	-0.0529	-50	2	11	SISIQTTSSK						Mascot
1060.5244	1060.5397	0.0153	14	185	192	FEHELVMR						Mascot
1064.6099	1064.5814	-0.0285	-27	107	115	LASYLDKVR						Mascot

33	Type I cytokeratin, enveloping layer [Danio rerio]						gi 41388915	46524.6	5.13	3	50	60.338	43	98.481			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
807.3995	807.3792	-0.0203	-25	161	167	LAADDFR	43	98.481				Mascot
807.3995	807.3792	-0.0203	-25	161	167	LAADDFR						Mascot
1034.5629	1034.4895	-0.0734	-71	161	169	LAADDFRVK						Mascot
1194.5861	1194.5852	-0.0009	-1	30	43	AGSVYGGAGGSGVR						Mascot

34	hypothetical protein LOC678611 [Danio rerio]						gi 94536645	50899.8	8.17	3	50	58.469	43	98.481			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
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	807.3995	807.3792	-0.0203	-25	180	186	LAADDFR	43	98.481			Mascot
	807.3995	807.3792	-0.0203	-25	180	186	LAADDFR					Mascot
	1064.6099	1064.5814	-0.0285	-27	111	119	LASYLDKVR					Mascot
	1320.7522	1320.5549	-0.1973	-149	382	392	DYALLLDIKTR					Mascot
	1320.7522	1320.5549	-0.1973	-149	382	392	DYALLLDIKTR					Mascot
35	PREDICTED: hypothetical protein LOC556118 [Danio rerio]											
	gi 326671688	82934.8	5.43	11	50	54.462	43	98.481				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3995	807.3792	-0.0203	-25	509	515	LAADDFR	43	98.481			Mascot
807.3995	807.3792	-0.0203	-25	509	515	LAADDFR					Mascot
1045.4659	1045.5392	0.0733	70	460	467	QICDYFEK					Mascot
1060.5997	1060.5397	-0.06	-57	490	499	IKDATITNGK					Mascot
1065.5463	1065.4794	-0.0669	-63	712	720	DYDALLDIK					Mascot
1107.5901	1107.5149	-0.0752	-68	537	546	CILDKTCLAK					Mascot
1308.6794	1308.6299	-0.0495	-38	712	722	DYDALLDIKSR					Mascot
1358.6456	1358.6821	0.0365	27	408	420	FGARIMAGGCYGR					Mascot
1365.7122	1365.6112	-0.101	-74	721	731	SRLEQEIATYR					Mascot
1681.7097	1681.8075	0.0978	58	613	624	HCTEQECWFKEK			Carbamidomethyl (C)[2,7]		Mascot
2384.0571	2383.9021	-0.155	-65	421	439	DYDYHQLNEKATMQNLNDR			Oxidation (M)[13]		Mascot
2584.0203	2584.1487	0.1284	50	234	257	TCSETCSETCPKPCSFTCPESCLK					Mascot

36 PREDICTED: ankyrin repeat and BTB/POZ domain-containing protein 2-like [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3818	807.3792	-0.0026	-3	206	211	WMVDTR					Mascot
807.4392	807.3792	-0.06	-74	120	126	SVSVLMR	9	0	Oxidation (M)[6]		Mascot
842.473	842.488	0.015	18	654	660	LLSEPQR					Mascot
870.4614	870.5146	0.0532	61	139	145	LSVVHCR			Carbamidomethyl (C)[6]		Mascot
882.4614	882.5441	0.0827	94	997	1004	LHSLCGPR					Mascot
1045.5173	1045.5392	0.0219	21	548	556	HPSVHPESR					Mascot
1051.5306	1051.5101	-0.0205	-19	758	766	DFTIIGEEK					Mascot

1065.5259	1065.4794	-0.0465	-44	418	426	VAMVHAEHR	Oxidation (M)[3]	Mascot
1082.4969	1082.5731	0.0762	70	691	699	SVCTSQLCK	Carbamidomethyl (C)[3,8]	Mascot
1193.6161	1193.5891	-0.027	-23	308	317	ETAYAQLER		Mascot
1235.6525	1235.5028	-0.1497	-121	191	202	SSRCALSLSVGR		Mascot
1302.6041	1302.6809	0.0768	59	925	934	RHCEILCSER	Carbamidomethyl (C)[3]	Mascot
1323.7202	1323.6425	-0.0777	-59	849	859	VLLMSASQRFR	Oxidation (M)[4]	Mascot
1434.7046	1434.7373	0.0327	23	106	119	VAGEGLCFAPESVR		Mascot
1434.7046	1434.7373	0.0327	23	106	119	VAGEGLCFAPESVR		Mascot
1681.9054	1681.8075	-0.0979	-58	438	452	QTARLLLPGLDCEPR		Mascot

37 Si:ch211-20b12.1 [Danio rerio] gi|67678177 55996.8 8.09 4 47 19.022 38 94.983

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.5254	973.509	-0.0164	-17	220	226	HYIHYLK					Mascot
1229.5541	1229.4825	-0.0716	-58	244	253	TEDMALMQYK					Mascot
1277.6307	1277.6805	0.0498	39	436	445	CHDIIISTYR	38	94.983	Carbamidomethyl (C)[1]		Mascot
1277.6307	1277.6805	0.0498	39	436	445	CHDIIISTYR			Carbamidomethyl (C)[1]		Mascot
2384.2344	2383.9021	-0.3323	-139	407	427	NSAPVQVLQEYVNLIDDP ELK					Mascot

38 PREDICTED: UDP-GlcNAc:betaGal
beta-1,3-N-acetylglucosaminyltransferase 2 [Danio
rerio]

gi|125843963 48322.6 8.69 10 47 19.022

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
832.4597	832.464	0.0043	5	365	372	ALGISPMK			Oxidation (M)[7]		Mascot
996.3947	996.5406	0.1459	146	412	420	SMHSSMLTC					Mascot
1003.5101	1003.527	0.0169	17	401	408	RSPQQTMR	1	0			Mascot
1003.5101	1003.527	0.0169	17	401	408	RSPQQTMR					Mascot
1060.6626	1060.5397	-0.1229	-116	201	209	VRTVFLLGR					Mascot
1107.4371	1107.5149	0.0778	70	158	166	CALDNEDDR			Carbamidomethyl (C)[1]		Mascot
1165.5847	1165.5566	-0.0281	-24	193	202	EGEYDGLKVR					Mascot
1179.5753	1179.575	-0.0003	0	378	386	TFDIREQDR					Mascot
1179.5753	1179.575	-0.0003	0	378	386	TFDIREQDR					Mascot
1263.6229	1263.6665	0.0436	35	373	382	HDGFRTFDIR					Mascot
1302.6736	1302.6809	0.0073	6	402	411	SPQQTMRWLWR					Mascot
1493.7094	1493.7014	-0.008	-5	112	123	FHCSPESFELLK			Carbamidomethyl (C)[3]		Mascot

	1493.7094	1493.7014	-0.008	-5	112	123	FHCSPESFELLK						Carbamidomethyl (C)[3]	Mascot
39	peroxisomal bifunctional enzyme [Danio rerio]				gi 46309503		78458.1	9.18	13	46	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
807.4722	807.3792	-0.093	-115	4	9	YELVKR						Mascot
807.4722	807.3792	-0.093	-115	4	9	YELVKR						Mascot
914.5417	914.5307	-0.011	-12	187	195	AVGKPLSSR						Mascot
1107.5714	1107.5149	-0.0565	-51	449	459	EAIATAMSLGK				Oxidation (M)[7]		Mascot
1165.7052	1165.5566	-0.1486	-127	696	706	LVARGSPPIQK						Mascot
1234.5997	1234.6514	0.0517	42	709	718	EHIKSMHSHL				Oxidation (M)[6]		Mascot
1234.5997	1234.6514	0.0517	42	709	718	EHIKSMHSHL				Oxidation (M)[6]		Mascot
1263.6725	1263.6665	-0.006	-5	449	460	EAIATAMSLGKR				Oxidation (M)[7]		Mascot
1358.7889	1358.6821	-0.1068	-79	317	329	VGISVIAVESEKK						Mascot
1390.7181	1390.6519	-0.0662	-48	336	347	QMVIGMLERDAK						Mascot
1393.7355	1393.6962	-0.0393	-28	446	459	SSKEAIATAMSLGK						Mascot
1475.7423	1475.7231	-0.0192	-13	464	478	VSVAVGNCPGFVGNR						Mascot
1791.8992	1791.7307	-0.1685	-94	461	478	MGKVSVAVGNCPGFVGNR						Mascot
2501.4448	2501.1926	-0.2522	-101	141	164	LIGIPAALELITTGRHVSAQEALK						Mascot
2705.3347	2705.1094	-0.2253	-83	197	221	LSMLTTPCPPGLDGIFEATMQVQK				Carbamidomethyl (C)[8]		Mascot

40	hypothetical protein LOC777712 [Danio rerio]				gi 118150536		102799.2	5.2	12	44	0	19	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
807.3665	807.3792	0.0127	16	598	604	SPAETMR	20	0		Oxidation (M)[6]		Mascot
807.3917	807.3792	-0.0125	-15	378	384	DADIMVK				Oxidation (M)[5]		Mascot
1003.5206	1003.527	0.0064	6	317	324	YDEPVPKR						Mascot
1003.5206	1003.527	0.0064	6	317	324	YDEPVPKR						Mascot
1045.4983	1045.5392	0.0409	39	410	418	EMPGELTPR				Oxidation (M)[2]		Mascot
1107.5648	1107.5149	-0.0499	-45	168	176	CKCVVNSIK				Carbamidomethyl (C)[1,3]		Mascot
1201.5042	1201.6394	0.1352	113	1	10	MEKFDDSSK						Mascot
1234.6613	1234.6514	-0.0099	-8	170	179	CVVNSIKTWK				Carbamidomethyl (C)[1]		Mascot
1234.6613	1234.6514	-0.0099	-8	170	179	CVVNSIKTWK				Carbamidomethyl (C)[1]		Mascot
1277.5604	1277.6805	0.1201	94	62	74	ATDTSSSADTGHK						Mascot

	1277.5604	1277.6805	0.1201	94	62	74	ATDTSSSADTGHK											Mascot
	1393.6151	1393.6962	0.0811	58	503	514	MEVGEEEEKKGK											Mascot
	1434.7145	1434.7373	0.0228	16	630	641	QQAMLELETVEK						Oxidation (M)[4]					Mascot
	1434.7145	1434.7373	0.0228	16	630	641	QQAMLELETVEK						Oxidation (M)[4]					Mascot
	1791.9275	1791.7307	-0.1968	-110	308	323	VEGIHSPPKYDEPVPK											Mascot
	1838.9945	1838.8774	-0.1171	-64	744	759	RSFSVFGQILNVAICK							Carbamidomethyl (C)[15]				Mascot

41 centrosomal protein of 63 kDa [Danio rerio] gi|41054808 79995.4 6.06 12 44 0 10 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
832.3795	832.464	0.0845	102	519	525	ADEDVQR					Mascot
1037.4503	1037.5006	0.0503	48	368	376	CGEQEGMRK					Mascot
1045.4368	1045.5392	0.1024	98	341	348	QMEEHHSR					Mascot
1064.504	1064.5814	0.0774	73	656	664	LENSNTVCK			Carbamidomethyl (C)[8]		Mascot
1201.5292	1201.6394	0.1102	92	583	595	SSASSASSSSSTR					Mascot
1246.6022	1246.5112	-0.091	-73	358	367	DELERAEQTR					Mascot
1263.6328	1263.6665	0.0337	27	234	244	ATLDAQDQFVR					Mascot
1393.6389	1393.6962	0.0573	41	209	220	EQQVVSCHAAHR			Carbamidomethyl (C)[6]		Mascot
1493.7706	1493.7014	-0.0692	-46	432	443	LENQHNLNLLER					Mascot
1493.7706	1493.7014	-0.0692	-46	432	443	LENQHNLNLLER					Mascot
1638.8082	1638.822	0.0138	8	182	195	AQDSLHAQELELER	10	0			Mascot
1638.8082	1638.822	0.0138	8	182	195	AQDSLHAQELELER					Mascot
1707.7061	1707.7336	0.0275	16	341	354	QMEEHHSRCTAENK			Oxidation (M)[2]		Mascot
2584.2036	2584.1487	-0.0549	-21	665	686	YLGKTGNPQNDVFWQGT HSFCK			Carbamidomethyl (C)[21]		Mascot

42 Retinoid x receptor, beta b [Danio rerio] gi|190336859 46645.2 6.61 11 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
914.4036	914.5307	0.1271	139	121	127	DLSYTCR			Carbamidomethyl (C)[6]		Mascot
1064.7302	1064.5814	-0.1488	-140	381	389	LLLRLPALR					Mascot
1193.583	1193.5891	0.0061	5	76	87	SVSGSGPMLSQK			Oxidation (M)[8]		Mascot
1229.584	1229.4825	-0.1015	-83	147	156	YQKCLAMGMK			Carbamidomethyl (C)[4]		Mascot
1234.683	1234.6514	-0.0316	-26	224	233	QLFTLVEWAK					Mascot
1234.683	1234.6514	-0.0316	-26	224	233	QLFTLVEWAK					Mascot
1302.5242	1302.6809	0.1567	120	101	111	HYGVYSCGCK			Carbamidomethyl (C)[7]		Mascot

	1357.5657	1357.6866	0.1209	89	89	100	MCAICGDRSSGK					Carbamidomethyl (C)[2,5], Oxidation (M)[1]	Mascot
	1390.7842	1390.6519	-0.1323	-95	224	234	QLFTLVEWAKR						Mascot
	1475.7198	1475.7231	0.0033	2	359	370	VYASLESYCKQK					Carbamidomethyl (C)[9]	Mascot
	1681.9135	1681.8075	-0.106	-63	390	403	SIGLKCLEHLFFFK						Mascot
	1838.7988	1838.8774	0.0786	43	101	115	HYGVYSCEGCKGFFK					Carbamidomethyl (C)[7,10]	Mascot

43 PREDICTED: h-2 class I histocompatibility antigen, L-D alpha chain-like [Danio rerio] gi|326665439 43373 6.77 1 28 51.863

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1003.5717	1003.527	-0.0447	-45	244	251	DTMLVIRR	28	51.863		1	Mascot

44 apoptosis-inducing factor 1, mitochondrial [Danio rerio] gi|321267541 67019.8 8.58 1 22 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.4359	807.3792	-0.0567	-70	288	293	KIEDFR	22	0		2	Mascot

45 gamma-tubulin complex component 2 [Danio rerio] gi|41056243 101578.7 6.08 1 20 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1320.6287	1320.5549	-0.0738	-56	736	746	DCMLTNPELLR	20	0	Oxidation (M)[3]	1	Mascot

46 novel protein [Danio rerio] gi|122890854 40988.8 5.14 1 20 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.3665	807.3792	0.0127	16	47	53	SPAETMR	20	0	Oxidation (M)[6]	3	Mascot

47 zinc finger protein 300-like [Danio rerio] gi|165972459 38066.3 8.83 1 19 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1003.4625	1003.527	0.0645	64	178	185	ESLNTHMR	19	0	Oxidation (M)[7]	2	Mascot

48 novel protein similar to vertebrate keratin family [Danio rerio] gi|94732403 47140.2 7.18 1 19 0

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	1003.553	1003.527	-0.026	-26	287	295	SEINAVKSR	19	0		2 Mascot
49	PREDICTED: proline-serine-threonine phosphatase-interacting protein 2-like [Danio rerio]				gi 326671025		20641.2	8.75	1	19	0

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	807.4359	807.3792	-0.0567	-70	103	108 KLEDFR		19	0		4 Mascot
50	kinetochore-associated protein NSL1 homolog [Danio rerio]					gi 70887679	26773.7	5.23	1	19	0

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
807.3631	807.3792	0.0161	20	6	12 ESGPDFR	19	0		4	Mascot	

Gel Idx/Pos	268/K20	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	vitellogenin 1 [Danio rerio]	gi 166795887	149452.5	8.68	17	455	100	409	100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
811.3073	811.3304	0.0231	28	204	210	CAECTER				Mascot
828.421	828.3999	-0.0211	-25	1014	1021	AEGPAVER	57	99.952		Mascot
828.421	828.3999	-0.0211	-25	1014	1021	AEGPAVER				Mascot
992.5015	992.4919	-0.0096	-10	615	622	LMNCKLDR				Mascot
1081.5272	1081.5618	0.0346	32	1291	1299	FERATNSEK				Mascot
1173.6262	1173.6047	-0.0215	-18	1022	1031	LEFEVQVGPR	86	100		Mascot
1173.6262	1173.6047	-0.0215	-18	1022	1031	LEFEVQVGPR				Mascot
1255.6827	1255.5188	-0.1639	-131	1214	1225	ICADGALLSKHK				Mascot
1388.7017	1388.6863	-0.0154	-11	694	706	SPAADESVDRITK				Mascot
1388.7017	1388.6863	-0.0154	-11	694	706	SPAADESVDRITK				Mascot

	1469.7709	1469.7382	-0.0327	-22	969	980	TLCYAVPYIEIK					Carbamidomethyl (C)[3]	Mascot
	1469.7709	1469.7382	-0.0327	-22	969	980	TLCYAVPYIEIK	79	100			Carbamidomethyl (C)[3]	Mascot
	1539.7485	1539.7108	-0.0377	-24	981	994	GCVEVHSHNAAFIR						Mascot
	1564.731	1564.7134	-0.0176	-11	1067	1081	NAPVSSESSSRNSR						Mascot
	1596.7699	1596.7355	-0.0344	-22	981	994	GCVEVHSHNAAFIR	98	100			Carbamidomethyl (C)[2]	Mascot
	1596.7699	1596.7355	-0.0344	-22	981	994	GCVEVHSHNAAFIR					Carbamidomethyl (C)[2]	Mascot
	1638.8485	1638.827	-0.0215	-13	668	683	TYLAGAAADVVEFGVR						Mascot
	1954.8745	1954.9796	0.1051	54	147	163	TQNIYEMQEAGAQQGVCR					Carbamidomethyl (C)[16]	Mascot
	1954.8745	1954.9796	0.1051	54	147	163	TQNIYEMQEAGAQQGVCR					Carbamidomethyl (C)[16]	Mascot
	1969.1381	1968.9762	-0.1619	-82	1161	1178	FLGNDIPPVFIIARAVR						Mascot
	1983.0293	1982.9869	-0.0424	-21	1014	1031	AEGPAVERLEFEVQVGP R	90	100				Mascot
	1983.0293	1982.9869	-0.0424	-21	1014	1031	AEGPAVERLEFEVQVGP R						Mascot
	2005.1917	2004.9718	-0.2199	-110	505	523	TAANALPIRVQVDAILALR						Mascot
	3047.5229	3047.4531	-0.0698	-23	969	994	TLCYAVPYIEIKGCVEVHS HNAAFIR					Carbamidomethyl (C)[3,14]	Mascot
	3338.6421	3338.6995	0.0574	17	930	961	SIPLVPELSLQNSQASYA GDLSEMSSVASVR					Oxidation (M)[25]	Mascot
2	Vtg1 protein [Danio rerio]				gi 145337918		116565.5	9.07	12	436	100	409	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
811.442	811.3304	-0.1116	-138	22	28	HLVSNNK					Mascot
828.421	828.3999	-0.0211	-25	720	727	AEGPAVER	57	99.952			Mascot
828.421	828.3999	-0.0211	-25	720	727	AEGPAVER					Mascot
1081.5272	1081.5618	0.0346	32	997	1005	FERATNSEK					Mascot
1173.6262	1173.6047	-0.0215	-18	728	737	LEFEVQVGPR	86	100			Mascot
1173.6262	1173.6047	-0.0215	-18	728	737	LEFEVQVGPR					Mascot
1255.6827	1255.5188	-0.1639	-131	920	931	ICADGALLSKHK					Mascot
1469.7709	1469.7382	-0.0327	-22	675	686	TLCYAVPYIEIK				Carbamidomethyl (C)[3]	Mascot
1469.7709	1469.7382	-0.0327	-22	675	686	TLCYAVPYIEIK	79	100		Carbamidomethyl (C)[3]	Mascot
1539.7485	1539.7108	-0.0377	-24	687	700	GCVEVHSHNAAFIR					Mascot
1564.731	1564.7134	-0.0176	-11	773	787	NAPVSSESSSRNSR					Mascot
1596.7699	1596.7355	-0.0344	-22	687	700	GCVEVHSHNAAFIR	98	100		Carbamidomethyl (C)[2]	Mascot
1596.7699	1596.7355	-0.0344	-22	687	700	GCVEVHSHNAAFIR				Carbamidomethyl (C)[2]	Mascot
1969.1381	1968.9762	-0.1619	-82	867	884	FLGNDIPPVFIIARAVR					Mascot
1983.0293	1982.9869	-0.0424	-21	720	737	AEGPAVERLEFEVQVGP R	90	100			Mascot
1983.0293	1982.9869	-0.0424	-21	720	737	AEGPAVERLEFEVQVGP					Mascot

		2005.1917	2004.9718	-0.2199	-110	211	229	R TAANALPIRVQVDAILALR									Mascot
		3047.5229	3047.4531	-0.0698	-23	675	700	TLCYAVPYIEIKGCVEVHS HNAAFIR					Carbamidomethyl (C)[3,14]				Mascot
3	Zgc:136383 protein [Danio rerio]					gi 159155252	123957.1	8.78	12	435	100	410	100				
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
		828.421	828.3999	-0.0211	-25	791	798	AEGPAVER	57	99.952					Mascot		
		828.421	828.3999	-0.0211	-25	791	798	AEGPAVER							Mascot		
		992.5015	992.4919	-0.0096	-10	392	399	LMNCKLDR							Mascot		
		1045.5465	1045.5386	-0.0079	-8	1123	1130	DFLSWIHK							Mascot		
		1081.5347	1081.5618	0.0271	25	893	901	TATIMEPFR				Oxidation (M)[5]			Mascot		
		1173.6262	1173.6047	-0.0215	-18	799	808	LEFEVQVGPR	86	100					Mascot		
		1173.6262	1173.6047	-0.0215	-18	799	808	LEFEVQVGPR							Mascot		
		1255.6827	1255.5188	-0.1639	-131	989	1000	ICADGALLSKHK							Mascot		
		1388.7017	1388.6863	-0.0154	-11	471	483	SPAADESVDRITK							Mascot		
		1388.7017	1388.6863	-0.0154	-11	471	483	SPAADESVDRITK							Mascot		
		1469.7709	1469.7382	-0.0327	-22	746	757	TLCYAVPYIEIK				Carbamidomethyl (C)[3]			Mascot		
		1469.7709	1469.7382	-0.0327	-22	746	757	TLCYAVPYIEIK	79	100		Carbamidomethyl (C)[3]			Mascot		
		1539.7485	1539.7108	-0.0377	-24	758	771	GCVEVHSHNAAFIR							Mascot		
		1596.7699	1596.7355	-0.0344	-22	758	771	GCVEVHSHNAAFIR	98	100		Carbamidomethyl (C)[2]			Mascot		
		1596.7699	1596.7355	-0.0344	-22	758	771	GCVEVHSHNAAFIR				Carbamidomethyl (C)[2]			Mascot		
		1969.1381	1968.9762	-0.1619	-82	936	953	FLGNDIPPVFIIARAVR							Mascot		
		1983.0293	1982.9869	-0.0424	-21	791	808	AEGPAVERLEFEVQVGP R	90	100					Mascot		
		1983.0293	1982.9869	-0.0424	-21	791	808	AEGPAVERLEFEVQVGP R							Mascot		
		3047.5229	3047.4531	-0.0698	-23	746	771	TLCYAVPYIEIKGCVEVHS HNAAFIR				Carbamidomethyl (C)[3,14]			Mascot		
4	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]					gi 94733733	149143.4	8.92	13	435	100	409	100				
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type		
		828.421	828.3999	-0.0211	-25	1018	1025	AEGPAVER	57	99.952					Mascot		
		828.421	828.3999	-0.0211	-25	1018	1025	AEGPAVER							Mascot		
		992.5015	992.4919	-0.0096	-10	619	626	LMNCKLDR							Mascot		
		1045.5465	1045.5386	-0.0079	-8	1350	1357	DFLSWIHK							Mascot		
		1081.5347	1081.5618	0.0271	25	1120	1128	TATIMEPFR				Oxidation (M)[5]			Mascot		

1173.6262	1173.6047	-0.0215	-18	1026	1035	LEFEVQVGPR	86	100		Mascot
1173.6262	1173.6047	-0.0215	-18	1026	1035	LEFEVQVGPR				Mascot
1255.6827	1255.5188	-0.1639	-131	1216	1227	ICADGALLSKHK				Mascot
1388.7017	1388.6863	-0.0154	-11	698	710	SPAADESVDRITK				Mascot
1388.7017	1388.6863	-0.0154	-11	698	710	SPAADESVDRITK				Mascot
1469.7709	1469.7382	-0.0327	-22	973	984	TLCYAVPYIEIK			Carbamidomethyl (C)[3]	Mascot
1469.7709	1469.7382	-0.0327	-22	973	984	TLCYAVPYIEIK	79	100	Carbamidomethyl (C)[3]	Mascot
1539.7485	1539.7108	-0.0377	-24	985	998	GCVEVHSHNAAFIR				Mascot
1596.7699	1596.7355	-0.0344	-22	985	998	GCVEVHSHNAAFIR	98	100	Carbamidomethyl (C)[2]	Mascot
1596.7699	1596.7355	-0.0344	-22	985	998	GCVEVHSHNAAFIR			Carbamidomethyl (C)[2]	Mascot
1969.1381	1968.9762	-0.1619	-82	1163	1180	FLGNDIPPVFAIARAVR				Mascot
1983.0293	1982.9869	-0.0424	-21	1018	1035	AEGPAVERLEFEVQVGPR	90	100		Mascot
1983.0293	1982.9869	-0.0424	-21	1018	1035	AEGPAVERLEFEVQVGPR				Mascot
3047.5229	3047.4531	-0.0698	-23	973	998	TLCYAVPYIEIKGCVEVHSHNAAFIR			Carbamidomethyl (C)[3,14]	Mascot
3444.8857	3445.3708	0.4851	141	1	32	KPPAMRAVVLALTVALVASQQMNLVPEFAHDK				Mascot

5 vitellogenin 1 [Danio rerio] gi|21391472 127954.2 8.69 12 433 100 409 100

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
811.3073	811.3304	0.0231	28	13	19 CAECTER				Mascot
828.421	828.3999	-0.0211	-25	823	830 AEGPAVER	57	99.952		Mascot
828.421	828.3999	-0.0211	-25	823	830 AEGPAVER				Mascot
1081.5272	1081.5618	0.0346	32	1098	1106 FERATNSEK				Mascot
1173.6262	1173.6047	-0.0215	-18	831	840 LEFEVQVGPR	86	100		Mascot
1173.6262	1173.6047	-0.0215	-18	831	840 LEFEVQVGPR				Mascot
1255.6827	1255.5188	-0.1639	-131	1021	1032 ICADGALLSKHK				Mascot
1469.7709	1469.7382	-0.0327	-22	778	789 TLCYAVPYIEIK			Carbamidomethyl (C)[3]	Mascot
1469.7709	1469.7382	-0.0327	-22	778	789 TLCYAVPYIEIK	79	100	Carbamidomethyl (C)[3]	Mascot
1539.7485	1539.7108	-0.0377	-24	790	803 GCVEVHSHNAAFIR				Mascot
1564.731	1564.7134	-0.0176	-11	876	890 NAPVSSSESSSRNSR				Mascot
1596.7699	1596.7355	-0.0344	-22	790	803 GCVEVHSHNAAFIR	98	100	Carbamidomethyl (C)[2]	Mascot
1596.7699	1596.7355	-0.0344	-22	790	803 GCVEVHSHNAAFIR			Carbamidomethyl (C)[2]	Mascot
1969.1381	1968.9762	-0.1619	-82	968	985 FLGNDIPPVFAIARAVR				Mascot
1983.0293	1982.9869	-0.0424	-21	823	840 AEGPAVERLEFEVQVGPR	90	100		Mascot

	1983.0293	1982.9869	-0.0424	-21	823	840	AEGPAVERLEFEVQVGP R										Mascot
	2005.1917	2004.9718	-0.2199	-110	314	332	TAANALPIRVQVDAILALR										Mascot
	3047.5229	3047.4531	-0.0698	-23	778	803	TLCYAVPYIEIKGCVEVHS HNAAFIR					Carbamidomethyl (C)[3,14]					Mascot
6	vitellogenin 1 [Danio rerio]				gi 94733730		149140.4	8.74	13	433	100	409	100				

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	811.3073	811.3304	0.0231	28	204	210	CAECTER					Mascot
	828.421	828.3999	-0.0211	-25	1014	1021	AEGPAVER	57	99.952			Mascot
	828.421	828.3999	-0.0211	-25	1014	1021	AEGPAVER					Mascot
	1081.5272	1081.5618	0.0346	32	1291	1299	FERATNSEK					Mascot
	1173.6262	1173.6047	-0.0215	-18	1022	1031	LEFEVQVGPR	86	100			Mascot
	1173.6262	1173.6047	-0.0215	-18	1022	1031	LEFEVQVGPR					Mascot
	1255.6827	1255.5188	-0.1639	-131	1214	1225	ICADGALLSKHK					Mascot
	1469.7709	1469.7382	-0.0327	-22	969	980	TLCYAVPYIEIK			Carbamidomethyl (C)[3]		Mascot
	1469.7709	1469.7382	-0.0327	-22	969	980	TLCYAVPYIEIK	79	100	Carbamidomethyl (C)[3]		Mascot
	1539.7485	1539.7108	-0.0377	-24	981	994	GCVEVHSHNAAFIR					Mascot
	1564.731	1564.7134	-0.0176	-11	1067	1081	NAPVSSESSSRNSR					Mascot
	1596.7699	1596.7355	-0.0344	-22	981	994	GCVEVHSHNAAFIR	98	100	Carbamidomethyl (C)[2]		Mascot
	1596.7699	1596.7355	-0.0344	-22	981	994	GCVEVHSHNAAFIR			Carbamidomethyl (C)[2]		Mascot
	1954.8745	1954.9796	0.1051	54	147	163	TQNIYEMQEAGAQGVCR			Carbamidomethyl (C)[16]		Mascot
	1954.8745	1954.9796	0.1051	54	147	163	TQNIYEMQEAGAQGVCR			Carbamidomethyl (C)[16]		Mascot
	1969.1381	1968.9762	-0.1619	-82	1161	1178	FLGNDIPPVFAIIRAVR					Mascot
	1983.0293	1982.9869	-0.0424	-21	1014	1031	AEGPAVERLEFEVQVGP R	90	100			Mascot
	1983.0293	1982.9869	-0.0424	-21	1014	1031	AEGPAVERLEFEVQVGP R					Mascot
	2005.1917	2004.9718	-0.2199	-110	505	523	TAANALPIRVQVDAILALR					Mascot
	3047.5229	3047.4531	-0.0698	-23	969	994	TLCYAVPYIEIKGCVEVHS HNAAFIR			Carbamidomethyl (C)[3,14]		Mascot

7	vitellogenin 5 [Danio rerio]				gi 57864785		72820.8	9	8	432	100	410	100				
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	828.421	828.3999	-0.0211	-25	323	330	AEGPAVER	57	99.952			Mascot
	828.421	828.3999	-0.0211	-25	323	330	AEGPAVER					Mascot
	1173.6262	1173.6047	-0.0215	-18	331	340	LEFEVQVGPR	86	100			Mascot

	1173.6262	1173.6047	-0.0215	-18	331	340	LEFEVQVGPR						Mascot
	1255.6827	1255.5188	-0.1639	-131	520	531	ICADGALLSKHK						Mascot
	1469.7709	1469.7382	-0.0327	-22	278	289	TLCYAVPYIEIK			Carbamidomethyl (C)[3]			Mascot
	1469.7709	1469.7382	-0.0327	-22	278	289	TLCYAVPYIEIK	79	100	Carbamidomethyl (C)[3]			Mascot
	1539.7485	1539.7108	-0.0377	-24	290	303	GCVEVHSHNAAFIR						Mascot
	1596.7699	1596.7355	-0.0344	-22	290	303	GCVEVHSHNAAFIR	98	100	Carbamidomethyl (C)[2]			Mascot
	1596.7699	1596.7355	-0.0344	-22	290	303	GCVEVHSHNAAFIR			Carbamidomethyl (C)[2]			Mascot
	1969.1381	1968.9762	-0.1619	-82	467	484	FLGNDIPPVFALIAVR						Mascot
	1983.0293	1982.9869	-0.0424	-21	323	340	AEGPAVERLEFEVQVGPR	90	100				Mascot
	1983.0293	1982.9869	-0.0424	-21	323	340	AEGPAVERLEFEVQVGPR						Mascot
	3047.5229	3047.4531	-0.0698	-23	278	303	TLCYAVPYIEIKGCVEVHS HNAAFIR			Carbamidomethyl (C)[3,14]			Mascot
8	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733734												
							149808.5	8.83	12	431	100	410	100

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
828.421	828.3999	-0.0211	-25	1018	1025	AEGPAVER	57	99.952			Mascot
828.421	828.3999	-0.0211	-25	1018	1025	AEGPAVER					Mascot
992.5015	992.4919	-0.0096	-10	619	626	LMNCKLDR					Mascot
1081.5347	1081.5618	0.0271	25	1125	1133	TATIMEPFR			Oxidation (M)[5]		Mascot
1173.6262	1173.6047	-0.0215	-18	1026	1035	LEFEVQVGPR	86	100			Mascot
1173.6262	1173.6047	-0.0215	-18	1026	1035	LEFEVQVGPR					Mascot
1255.6827	1255.5188	-0.1639	-131	1221	1232	ICADGALLSKHK					Mascot
1388.7017	1388.6863	-0.0154	-11	698	710	SPAADESVDRITK					Mascot
1388.7017	1388.6863	-0.0154	-11	698	710	SPAADESVDRITK					Mascot
1469.7709	1469.7382	-0.0327	-22	973	984	TLCYAVPYIEIK			Carbamidomethyl (C)[3]		Mascot
1469.7709	1469.7382	-0.0327	-22	973	984	TLCYAVPYIEIK	79	100	Carbamidomethyl (C)[3]		Mascot
1539.7485	1539.7108	-0.0377	-24	985	998	GCVEVHSHNAAFIR					Mascot
1596.7699	1596.7355	-0.0344	-22	985	998	GCVEVHSHNAAFIR	98	100	Carbamidomethyl (C)[2]		Mascot
1596.7699	1596.7355	-0.0344	-22	985	998	GCVEVHSHNAAFIR			Carbamidomethyl (C)[2]		Mascot
1638.8485	1638.827	-0.0215	-13	672	687	TYLAGAAADVVEFGVR					Mascot
1969.1381	1968.9762	-0.1619	-82	1168	1185	FLGNDIPPVFAIARAVR					Mascot
1983.0293	1982.9869	-0.0424	-21	1018	1035	AEGPAVERLEFEVQVGPR	90	100			Mascot
1983.0293	1982.9869	-0.0424	-21	1018	1035	AEGPAVERLEFEVQVGPR					Mascot
3047.5229	3047.4531	-0.0698	-23	973	998	TLCYAVPYIEIKGCVEVHSHNAAFIR			Carbamidomethyl (C)[3,14]		Mascot

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
828.421	828.3999	-0.0211	-25	1025	1032	AEGPAVER	57	99.952				Mascot
828.421	828.3999	-0.0211	-25	1025	1032	AEGPAVER						Mascot
992.5015	992.4919	-0.0096	-10	626	633	LMNCKLDR						Mascot
1081.5347	1081.5618	0.0271	25	1136	1144	TATIMEPFR				Oxidation (M)[5]		Mascot
1173.6262	1173.6047	-0.0215	-18	1033	1042	LEFEVQVGPR	86	100				Mascot
1173.6262	1173.6047	-0.0215	-18	1033	1042	LEFEVQVGPR						Mascot
1255.6827	1255.5188	-0.1639	-131	1232	1243	ICADGALLSKHK						Mascot
1388.7017	1388.6863	-0.0154	-11	705	717	SPAADESVDRITK						Mascot
1388.7017	1388.6863	-0.0154	-11	705	717	SPAADESVDRITK						Mascot
1469.7709	1469.7382	-0.0327	-22	980	991	TLCYAVPYIEIK				Carbamidomethyl (C)[3]		Mascot
1469.7709	1469.7382	-0.0327	-22	980	991	TLCYAVPYIEIK	79	100		Carbamidomethyl (C)[3]		Mascot
1539.7485	1539.7108	-0.0377	-24	992	1005	GCVEVHSHNAAFIR						Mascot
1596.7699	1596.7355	-0.0344	-22	992	1005	GCVEVHSHNAAFIR	98	100		Carbamidomethyl (C)[2]		Mascot
1596.7699	1596.7355	-0.0344	-22	992	1005	GCVEVHSHNAAFIR				Carbamidomethyl (C)[2]		Mascot
1638.8485	1638.827	-0.0215	-13	679	694	TYLAGAAADVVEFGVR						Mascot
1969.1381	1968.9762	-0.1619	-82	1179	1196	FLGNDIPPVFAIARAVR						Mascot
1983.0293	1982.9869	-0.0424	-21	1025	1042	AEGPAVERLEFEVQVGPR	90	100				Mascot
1983.0293	1982.9869	-0.0424	-21	1025	1042	AEGPAVERLEFEVQVGPR						Mascot
3047.5229	3047.4531	-0.0698	-23	980	1005	TLCYAVPYIEIKGCVEVHSHNAAFIR				Carbamidomethyl (C)[3,14]		Mascot
10	hypothetical protein LOC678536 [Danio rerio]			gi 160420306		148750.2	8.89	12	429	100	409	100

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. % Modification			Rank Result Type
828.421	828.3999	-0.0211	-25	1014	1021 AEGPAVER	57	99.952			Mascot
828.421	828.3999	-0.0211	-25	1014	1021 AEGPAVER					Mascot
992.5015	992.4919	-0.0096	-10	615	622 LMNCKLDR					Mascot
1045.5465	1045.5386	-0.0079	-8	1346	1353 DFLSWIHK					Mascot
1081.5347	1081.5618	0.0271	25	1116	1124 TATIMEPFR		Oxidation (M)[5]			Mascot
1173.6262	1173.6047	-0.0215	-18	1022	1031 LEFEVQVGPR	86	100			Mascot
1173.6262	1173.6047	-0.0215	-18	1022	1031 LEFEVQVGPR					Mascot
1255.6827	1255.5188	-0.1639	-131	1212	1223 ICADGALLSKHK					Mascot

	1388.7017	1388.6863	-0.0154	-11	694	706	SPAADESVDRI						Mascot	
	1388.7017	1388.6863	-0.0154	-11	694	706	SPAADESVDRI						Mascot	
	1469.7709	1469.7382	-0.0327	-22	969	980	TLCYAVPYIEIK			Carbamidomethyl (C)[3]			Mascot	
	1469.7709	1469.7382	-0.0327	-22	969	980	TLCYAVPYIEIK	79	100	Carbamidomethyl (C)[3]			Mascot	
	1539.7485	1539.7108	-0.0377	-24	981	994	GCVEVHSHNAAFIR						Mascot	
	1596.7699	1596.7355	-0.0344	-22	981	994	GCVEVHSHNAAFIR	98	100	Carbamidomethyl (C)[2]			Mascot	
	1596.7699	1596.7355	-0.0344	-22	981	994	GCVEVHSHNAAFIR			Carbamidomethyl (C)[2]			Mascot	
	1969.1381	1968.9762	-0.1619	-82	1159	1176	FLGNDIPPVFALLRAVR						Mascot	
	1983.0293	1982.9869	-0.0424	-21	1014	1031	AEGPAVERLEFEVQVGPR	90	100				Mascot	
	1983.0293	1982.9869	-0.0424	-21	1014	1031	AEGPAVERLEFEVQVGPR						Mascot	
	3047.5229	3047.4531	-0.0698	-23	969	994	TLCYAVPYIEIKGCVEVHSHNAAFIR			Carbamidomethyl (C)[3,14]			Mascot	
11	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733731							149169.2	8.84	11	429	100	410	100

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
811.4196	811.3304	-0.0892	-110	1237	1243	EYAVTTK					Mascot
844.525	844.4007	-0.1243	-147	50	57	AGIQIKSK					Mascot
850.4702	850.3846	-0.0856	-101	1547	1553	MKLESVK			Oxidation (M)[1]		Mascot
1112.5769	1112.5208	-0.0561	-50	1119	1127	TLTKMEAFR			Oxidation (M)[5]		Mascot
1173.6262	1173.6047	-0.0215	-18	1024	1033	LEFEVQVGPR	86	100			Mascot
1173.6262	1173.6047	-0.0215	-18	1024	1033	LEFEVQVGPR					Mascot
1199.6881	1199.614	-0.0741	-62	1299	1309	ELELTVALPSK					Mascot
1217.6736	1217.5646	-0.109	-90	1059	1068	LREILETESK					Mascot
1388.7017	1388.6863	-0.0154	-11	694	706	SPAADESVDRITK					Mascot
1388.7017	1388.6863	-0.0154	-11	694	706	SPAADESVDRITK					Mascot
1469.7709	1469.7382	-0.0327	-22	971	982	TLCYAVPYIEIK			Carbamidomethyl (C)[3]		Mascot
1469.7709	1469.7382	-0.0327	-22	971	982	TLCYAVPYIEIK	79	100	Carbamidomethyl (C)[3]		Mascot
1507.7711	1507.7015	-0.0696	-46	1143	1156	SSRSTGSSLEQIQK					Mascot
1513.7467	1513.701	-0.0457	-30	733	745	VFGQEMAFGRIDK			Oxidation (M)[6]		Mascot
1539.7485	1539.7108	-0.0377	-24	983	996	GCVEVHSHNAAFIR					Mascot
1596.7699	1596.7355	-0.0344	-22	983	996	GCVEVHSHNAAFIR	98	100	Carbamidomethyl (C)[2]		Mascot
1596.7699	1596.7355	-0.0344	-22	983	996	GCVEVHSHNAAFIR			Carbamidomethyl (C)[2]		Mascot
1955.0232	1954.9796	-0.0436	-22	1016	1033	AEGPAVEKLEFEVQVGP R	128	100			Mascot
1955.0232	1954.9796	-0.0436	-22	1016	1033	AEGPAVEKLEFEVQVGP R					Mascot
3047.5229	3047.4531	-0.0698	-23	971	996	TLCYAVPYIEIKGCVEVHS HNAAFIR			Carbamidomethyl (C)[3,14]		Mascot

13 vitellogenin 5 [Danio rerio] gi|68448530 148868 8.77 9 323 100 312 100

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
828.421	828.3999	-0.0211	-25	1014	1021	AEGPAVER	57	99.952			Mascot
828.421	828.3999	-0.0211	-25	1014	1021	AEGPAVER					Mascot
992.5015	992.4919	-0.0096	-10	615	622	LMNCKLDR					Mascot
1173.6262	1173.6047	-0.0215	-18	1022	1031	LEFEVQVGPR	86	100			Mascot
1173.6262	1173.6047	-0.0215	-18	1022	1031	LEFEVQVGPR					Mascot
1255.6827	1255.5188	-0.1639	-131	1214	1225	ICADGALLSKHK					Mascot
1469.7709	1469.7382	-0.0327	-22	969	980	TLCYAVPYIEIK			Carbamidomethyl (C)[3]		Mascot
1469.7709	1469.7382	-0.0327	-22	969	980	TLCYAVPYIEIK	79	100	Carbamidomethyl (C)[3]		Mascot

	1505.7642	1505.7271	-0.0371	-25	981	994	GCVEVHSHNAALIR										Mascot
	1505.7642	1505.7271	-0.0371	-25	981	994	GCVEVHSHNAALIR										Mascot
	1954.8745	1954.9796	0.1051	54	147	163	TQNIYEMQEAGAQQGVCR					Carbamidomethyl (C)[16]					Mascot
	1954.8745	1954.9796	0.1051	54	147	163	TQNIYEMQEAGAQQGVCR					Carbamidomethyl (C)[16]					Mascot
	1969.1381	1968.9762	-0.1619	-82	1161	1178	FLGNDIPPVFAIARAVR										Mascot
	1983.0293	1982.9869	-0.0424	-21	1014	1031	AEGPAVERLEFEVQVGP R	90		100							Mascot
	1983.0293	1982.9869	-0.0424	-21	1014	1031	AEGPAVERLEFEVQVGP R										Mascot
14	vitellogenin 6 [Danio rerio]				gi 57864787		38968.8	8.92	6	256	100	233	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
828.421	828.3999	-0.0211	-25	6	13	AEGPAVER	57	99.952				Mascot
828.421	828.3999	-0.0211	-25	6	13	AEGPAVER						Mascot
1081.5347	1081.5618	0.0271	25	115	123	TATIMEPFR			Oxidation (M)[5]			Mascot
1173.6262	1173.6047	-0.0215	-18	14	23	LEFEVQVGPR	86	100				Mascot
1173.6262	1173.6047	-0.0215	-18	14	23	LEFEVQVGPR						Mascot
1255.6827	1255.5188	-0.1639	-131	211	222	ICADGALLSKHK						Mascot
1969.1381	1968.9762	-0.1619	-82	158	175	FLGNDIPPVFAIARAVR						Mascot
1983.0293	1982.9869	-0.0424	-21	6	23	AEGPAVERLEFEVQVGP R	90	100				Mascot
1983.0293	1982.9869	-0.0424	-21	6	23	AEGPAVERLEFEVQVGP R						Mascot

15	vitellogenin 2 [Danio rerio]				gi 57864779		68993.5	7.84	8	227	100	214	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
811.4196	811.3304	-0.0892	-110	228	234	EYAVTTK						Mascot
850.4702	850.3846	-0.0856	-101	538	544	MKLESVK			Oxidation (M)[1]			Mascot
1112.5769	1112.5208	-0.0561	-50	110	118	TLTKMEAFR			Oxidation (M)[5]			Mascot
1173.6262	1173.6047	-0.0215	-18	15	24	LEFEVQVGPR	86	100				Mascot
1173.6262	1173.6047	-0.0215	-18	15	24	LEFEVQVGPR						Mascot
1199.6881	1199.614	-0.0741	-62	290	300	ELELTVALPSK						Mascot
1217.6736	1217.5646	-0.109	-90	50	59	LREILETESK						Mascot
1507.7711	1507.7015	-0.0696	-46	134	147	SSRSTGSSLEQIQK						Mascot
1955.0232	1954.9796	-0.0436	-22	7	24	AEGPAVEKLEFEVQVGP R	128	100				Mascot
1955.0232	1954.9796	-0.0436	-22	7	24	AEGPAVEKLEFEVQVGP R						Mascot

16 hemoglobin beta embryonic-1.1 isoform 1 [Danio rerio] gi|18858353 16151.4 6.89 4 104 100 82 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1103.6571	1103.6316	-0.0255	-23	134	144	FIAVAVSALGR					Mascot
1112.5483	1112.5208	-0.0275	-25	97	105	LHVDPDNFR					Mascot
1335.6879	1335.6554	-0.0325	-24	32	41	CLIVYPWTQR			Carbamidomethyl (C)[1]		Mascot
1388.7168	1388.6863	-0.0305	-22	19	31	ADYDVIGPQALAR	82	100			Mascot
1388.7168	1388.6863	-0.0305	-22	19	31	ADYDVIGPQALAR					Mascot

17 embryonic 1 beta-globin family member [Danio rerio] gi|148236095 11951.2 6.81 3 100 100 82 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1112.5483	1112.5208	-0.0275	-25	97	105	LHVDPDNFR					Mascot
1335.6879	1335.6554	-0.0325	-24	32	41	CLIVYPWTQR			Carbamidomethyl (C)[1]		Mascot
1388.7168	1388.6863	-0.0305	-22	19	31	ADYDVIGPQALAR	82	100			Mascot
1388.7168	1388.6863	-0.0305	-22	19	31	ADYDVIGPQALAR					Mascot

18 novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi|94732723 147084.2 8.73 8 94 99.998 86 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
844.4158	844.4007	-0.0151	-18	1014	1021	AEGPSVER					Mascot
1081.5272	1081.5618	0.0346	32	1272	1280	FERATNSEK					Mascot
1173.6262	1173.6047	-0.0215	-18	1022	1031	LEFEVQVGPR	86	100			Mascot
1173.6262	1173.6047	-0.0215	-18	1022	1031	LEFEVQVGPR					Mascot
1255.6827	1255.5188	-0.1639	-131	1195	1206	ICADGALLSKHK					Mascot
1378.6809	1378.731	0.0501	36	694	706	SSAADESVDRTK					Mascot
1529.7917	1529.6742	-0.1175	-77	1180	1193	VQLIASSIAENDNR					Mascot
1564.731	1564.7134	-0.0176	-11	1067	1081	NAPVSSSSSRNSR					Mascot
1969.1381	1968.9762	-0.1619	-82	1142	1159	FLGNDLPPVFAIARAVR					Mascot

19 vitellogenin 7 [Danio rerio] gi|156713467 148739.2 8.76 8 94 99.998 86 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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[illegible]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. % Modification	Rank	Result Type
992.4869	992.4919	0.005	5	485	492	AMTVWQEK			Mascot
1081.4949	1081.5618	0.0669	62	493	501	WNTFIAENS			Mascot
1127.5592	1127.5961	0.0369	33	272	281	ANHPDFIGTR			Mascot
1129.5632	1129.6129	0.0497	44	58	66	MDSLLYMLK	Oxidation (M)[1]		Mascot
1239.6216	1239.5477	-0.0739	-60	474	484	YSSLSAQLQDK			Mascot
1277.5757	1277.6804	0.1047	82	246	256	AYELDGTTHDR			Mascot
1318.642	1318.6349	-0.0071	-5	297	307	QAVQEAIEMQR	Oxidation (M)[9]		Mascot
1388.6986	1388.6863	-0.0123	-9	58	68	MDSLLYMLKMK	Oxidation (M)[1]		Mascot
1388.6986	1388.6863	-0.0123	-9	58	68	MDSLLYMLKMK	Oxidation (M)[1]		Mascot
1529.8104	1529.6742	-0.1362	-89	295	307	VKQAVQEAIEMQR			Mascot
1612.7635	1612.7328	-0.0307	-19	164	178	ASLGDVTSFDNSLMR			Mascot
3338.636	3338.6995	0.0635	19	1	31	MIVSLCQDVSAAMVVLL VCVSECKSMPPDR	Oxidation (M)[1]		Mascot

21	tRNA wybutosine-synthesizing protein 5 [Danio rerio]	gi 117606244	38035.4	5.5	8	46	0	15	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
816.4573	816.3804	-0.0769	-94	276	282	ALQSLER					Mascot
828.4573	828.3999	-0.0574	-69	117	123	KEPADLR	16	0			Mascot
828.4573	828.3999	-0.0574	-69	118	124	EPADLRK					Mascot
996.5771	996.577	-0.0001	0	35	43	RVPIGPCVR					Mascot

	1277.6624	1277.6804	0.018	14	7	17	LEVPVYTDVDK							Mascot
	1388.6653	1388.6863	0.021	15	314	326	KPINAAQENSDDT							Mascot
	1388.6653	1388.6863	0.021	15	314	326	KPINAAQENSDDT							Mascot
	1469.7358	1469.7382	0.0024	2	69	79	MDFLHKNFVYR							Mascot
	1469.7358	1469.7382	0.0024	2	69	79	MDFLHKNFVYR							Mascot
	3332.605	3332.364	-0.241	-72	124	150	KQFPELAEDFHVPQFFEP EQFFSSVFR							Mascot
22	LRP2-binding protein [Danio rerio]				gi 148922942		38119.7	5.7	9	43	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
992.5444	992.4919	-0.0525	-53	45	52	TMNLLKEK			Oxidation (M)[2]		Mascot
1081.5636	1081.5618	-0.0018	-2	333	342	ELQIDAAHGK					Mascot
1233.6157	1233.5332	-0.0825	-67	316	325	AKHYCTQAVR			Carbamidomethyl (C)[5]		Mascot
1277.6346	1277.6804	0.0458	36	291	301	GIAIGMFYAR			Oxidation (M)[6]		Mascot
1618.7191	1618.7167	-0.0024	-1	30	44	EESTHSETNAASVEK					Mascot
1816.9197	1816.9128	-0.0069	-4	318	332	HYCTQAVRIDPLICK			Carbamidomethyl (C)[3]		Mascot
1982.9124	1982.9869	0.0745	38	273	289	DTAAIAQQTDCLEEVVR			Carbamidomethyl (C)[11]		Mascot
1982.9124	1982.9869	0.0745	38	273	289	DTAAIAQQTDCLEEVVR			Carbamidomethyl (C)[11]		Mascot
2053.9858	2054.0234	0.0376	18	273	290	DTAAIAQQTDCLEEVVRK					Mascot
3445.6367	3445.3708	-0.2659	-77	53	83	AETGDSQATFLGQLHY VQGCYAEELIFDR					Mascot

23	novel protein [Danio rerio]				gi 122890840		34528.1	4.71	8	41	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
816.4825	816.3804	-0.1021	-125	144	150	IESLQVK					Mascot
996.4489	996.577	0.1281	129	218	225	VEMETLCR			Oxidation (M)[3]		Mascot
1103.5691	1103.6316	0.0625	57	168	176	QELTAEKER					Mascot
1335.6328	1335.6554	0.0226	17	134	143	NHQYQEFIEK					Mascot
1475.7775	1475.7228	-0.0547	-37	195	206	LKMLIEEQSQEK					Mascot
1491.7723	1491.7197	-0.0526	-35	195	206	LKMLIEEQSQEK			Oxidation (M)[3]		Mascot
1564.6874	1564.7134	0.026	17	80	92	ATNTNEDWESEIR					Mascot
2410.197	2410.196	-0.001	0	111	130	QQAAEQEEHNLHVHNLQ KTR					Mascot
3494.6448	3494.4358	-0.209	-60	218	247	VEMETLCRQAEQASQTV LQDEIAALEMQEK			Carbamidomethyl (C)[7], Oxidation (M)[3]		Mascot

24	novel protein similar to vertebrate cat eye syndrome chromosome region, candidate 1 (CECR1) [Danio				gi 55962504		55355	6.19	10	39	0			
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Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type		
	992.4869	992.4919	0.005	5	470	477 AMTVWQEK					Mascot		
	1081.4949	1081.5618	0.0669	62	478	486 WNTFIAENS					Mascot		
	1127.5592	1127.5961	0.0369	33	257	266 ANHPDFIGTR					Mascot		
	1129.5632	1129.6129	0.0497	44	43	51 MDSLLYMLK			Oxidation (M)[1]		Mascot		
	1239.6216	1239.5477	-0.0739	-60	459	469 YSSLSAQLQDK					Mascot		
	1277.5757	1277.6804	0.1047	82	231	241 AYELDGTTHDR					Mascot		
	1318.642	1318.6349	-0.0071	-5	282	292 QAVQEAIEMQR			Oxidation (M)[9]		Mascot		
	1388.6986	1388.6863	-0.0123	-9	43	53 MDSLLYMLKMK			Oxidation (M)[1]		Mascot		
	1388.6986	1388.6863	-0.0123	-9	43	53 MDSLLYMLKMK			Oxidation (M)[1]		Mascot		
	1529.8104	1529.6742	-0.1362	-89	280	292 VKQAVQEAIEMQR					Mascot		
	1612.7635	1612.7328	-0.0307	-19	149	163 ASLGDVTSFDNSLMR					Mascot		
25	PREDICTED: hypothetical protein LOC572466 [Danio rerio]					gi 326674157	92255.6	6.11	11	39	0	11	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
844.5137	844.4007	-0.113	-134	370	376 KVEEVIK					Mascot
1103.5116	1103.6316	0.12	109	459	467 TTTDEHFPR					Mascot
1173.5494	1173.6047	0.0553	47	690	699 SDAEENQRPK	11	0			Mascot
1173.5494	1173.6047	0.0553	47	690	699 SDAEENQRPK					Mascot
1217.6559	1217.5646	-0.0913	-75	319	329 CSTSSPIKLPK			Carbamidomethyl (C)[1]		Mascot
1318.6494	1318.6349	-0.0145	-11	66	77 IHGSDIIMASMK			Oxidation (M)[8]		Mascot
1335.7015	1335.6554	-0.0461	-35	35	45 HLQKAIPEDR					Mascot
1513.7241	1513.701	-0.0231	-15	604	616 EQSVDEPSQNPRK					Mascot
1618.804	1618.7167	-0.0873	-54	66	79 IHGSDIIMASMKQR			Oxidation (M)[8,11]		Mascot
2004.9297	2004.9718	0.0421	21	558	574 FEDLDFDDGVDHTVKPR					Mascot
3494.6631	3494.4358	-0.2273	-65	468	498 ALNITETFNMTNASTDYE TESSPLAFNIKQK			Oxidation (M)[10]		Mascot
3508.8174	3508.4207	-0.3967	-113	782	812 LTVGPWKEVMMMIVLEA PLASTVVMQTTQLK			Oxidation (M)[10,11,12,25]		Mascot
3508.8174	3508.4207	-0.3967	-113	782	812 LTVGPWKEVMMMIVLEA PLASTVVMQTTQLK			Oxidation (M)[10,11,12,25]		Mascot
26	PREDICTED: RING finger protein 214 [Danio rerio]			gi 326667931		39438.7	4.83	8	38	0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
816.4825	816.3804	-0.1021	-125	144	150	IESLQVK					Mascot
996.4489	996.577	0.1281	129	218	225	VEMETLCR			Oxidation (M)[3]		Mascot
1103.5691	1103.6316	0.0625	57	168	176	QELTAEKER					Mascot
1335.6328	1335.6554	0.0226	17	134	143	NHQYQEFIEK					Mascot
1475.7775	1475.7228	-0.0547	-37	195	206	LKMLIEEQSQEK					Mascot
1491.7723	1491.7197	-0.0526	-35	195	206	LKMLIEEQSQEK			Oxidation (M)[3]		Mascot
1564.6874	1564.7134	0.026	17	80	92	ATNTNEDWESEIR					Mascot
2410.197	2410.196	-0.001	0	111	130	QQAAEQEEHNLHVHNLQKTR					Mascot
3494.6448	3494.4358	-0.209	-60	218	247	VEMETLCRQAEQASQTVLQDEIAALEMQEK			Carbamidomethyl (C)[7], Oxidation (M)[3]		Mascot

27 novel protein similar to vertebrate t-complex testis expressed 1 (Tctex1) [Danio rerio]

gi|94733341 11300.6 8.36 5 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1211.6527	1211.553	-0.0997	-82	52	61	YIVTCIIMQK					Mascot
1475.7172	1475.7228	0.0056	4	16	27	AVIGRNMVEHNR			Oxidation (M)[7]		Mascot
1491.8027	1491.7197	-0.083	-56	90	102	HLVCIVSVFGLAI			Carbamidomethyl (C)[4]		Mascot
1634.8999	1634.6932	-0.2067	-126	1	15	AFIVDEVSSIVKEAK					Mascot
1955.0856	1954.9796	-0.106	-54	46	61	LGKPFKYIVTCIIMQK			Carbamidomethyl (C)[11], Oxidation (M)[14]		Mascot
1955.0856	1954.9796	-0.106	-54	46	61	LGKPFKYIVTCIIMQK			Carbamidomethyl (C)[11], Oxidation (M)[14]		Mascot

28 PREDICTED: zinc-binding protein A33-like [Danio rerio]

gi|292610346 58802.6 7.49 11 36 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
816.3378	816.3804	0.0426	52	474	479	MSFMER			Oxidation (M)[1]		Mascot
1127.5554	1127.5961	0.0407	36	272	279	YQVWEKMK			Oxidation (M)[7]		Mascot
1173.6586	1173.6047	-0.0539	-46	144	154	TLLSLQNGTAR					Mascot
1173.6586	1173.6047	-0.0539	-46	144	154	TLLSLQNGTAR					Mascot
1388.5709	1388.6863	0.1154	83	407	417	LDYVCDDTMEK			Carbamidomethyl (C)[5]		Mascot
1388.5709	1388.6863	0.1154	83	407	417	LDYVCDDTMEK			Carbamidomethyl (C)[5]		Mascot
1513.6223	1513.701	0.0787	52	82	94	DEDEQQCPVHGEK					Mascot
1539.6646	1539.7108	0.0462	30	31	43	QCIYDHWSSSGTR					Mascot
1596.686	1596.7355	0.0495	31	31	43	QCIYDHWSSSGTR			Carbamidomethyl (C)[2]		Mascot

	1596.686	1596.7355	0.0495	31	31	43	QCIYDHWSSSGTR		Carbamidomethyl (C)[2]	Mascot	
	1969.0364	1968.9762	-0.0602	-31	361	378	GNPIMQPLIPANGFWGLK		Oxidation (M)[5]	Mascot	
	1982.8495	1982.9869	0.1374	69	187	202	EEESRIMSLNEEEDK		Oxidation (M)[7]	Mascot	
	1982.8495	1982.9869	0.1374	69	187	202	EEESRIMSLNEEEDK		Oxidation (M)[7]	Mascot	
	2004.8864	2004.9718	0.0854	43	382	397	YMYHLMTAEGCEINIK		Carbamidomethyl (C)[11], Oxidation (M)[2,6]	Mascot	
	2053.9617	2054.0234	0.0617	30	95	111	IELFCQNDEQLLCARCR			Mascot	
	2225.0259	2225.0671	0.0412	19	95	111	IELFCQNDEQLLCARCR		Carbamidomethyl (C)[5,13,16]	Mascot	
	3346.4773	3346.3752	-0.1021	-31	82	109	DEDEQQCPVHGEKIELF CQNDEQLLCAR		Carbamidomethyl (C)[7]	Mascot	
	3346.4773	3346.3752	-0.1021	-31	82	109	DEDEQQCPVHGEKIELF CQNDEQLLCAR		Carbamidomethyl (C)[7]	Mascot	
29	thyroid hormone receptor alpha A 1-2 [Danio rerio]					gi 118162027	21523.9	5.38	7	36	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1103.6605	1103.6316	-0.0289	-26	147	155	LLMKVTNLR				Oxidation (M)[3]		Mascot	
1158.4774	1158.5857	0.1083	93	33	42	GCCMEIMSLR				Oxidation (M)[4]		Mascot	
1165.5902	1165.7206	0.1304	112	138	146	HNISHFWPK						Mascot	
1199.504	1199.614	0.11	92	33	42	GCCMEIMSLR				Carbamidomethyl (C)[2]		Mascot	
1539.7262	1539.7108	-0.0154	-10	33	46	GCCMEIMSLRAAVR						Mascot	
1596.7477	1596.7355	-0.0122	-8	33	46	GCCMEIMSLRAAVR				Carbamidomethyl (C)[2]		Mascot	
1596.7477	1596.7355	-0.0122	-8	33	46	GCCMEIMSLRAAVR				Carbamidomethyl (C)[2]		Mascot	
1612.7427	1612.7328	-0.0099	-6	33	46	GCCMEIMSLRAAVR				Carbamidomethyl (C)[2], Oxidation (M)[4]		Mascot	
2005.0385	2004.9718	-0.0667	-33	16	32	LPMFSELPCEIQILLK				Oxidation (M)[3]		Mascot	
2211.0474	2211.0544	0.007	3	121	137	CQEMYLLAFEHYINHRK				Oxidation (M)[4]		Mascot	
3283.5725	3283.3528	-0.2197	-67	16	42	LPMFSELPCEIQILLKGC CMEIMSLR				Carbamidomethyl (C)[9,19,20]		Mascot	

30 PREDICTED: protein NLRC3-like [Danio rerio] gi|326674421 124778.8 8.62 9 36 0 23 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
850.3471	850.3846	0.0375	44	325	333	GGEKGSACR				Carbamidomethyl (C)[8]		Mascot	
1045.6074	1045.5386	-0.0688	-66	140	148	SMKTPPIQIK						Mascot	
1129.6938	1129.6129	-0.0809	-72	455	466	TVLTGKVAGVGK						Mascot	
1173.6521	1173.6047	-0.0474	-40	1040	1049	LQSLNLRACR	23	0				Mascot	
1173.6521	1173.6047	-0.0474	-40	1040	1049	LQSLNLRACR						Mascot	
1239.6156	1239.5477	-0.0679	-55	381	390	HQYLFEGFAK						Mascot	

	1318.6559	1318.6349	-0.021	-16	657	668	MLSEAETAEIPK												Mascot
	1634.7156	1634.6932	-0.0224	-14	1005	1017	EWCSYSIYNLNDK												Mascot
	3338.6062	3338.6995	0.0933	28	393	421	NPTLLNEIYIDLYITEGGN GEISNEHEYK												Mascot
	3494.7073	3494.4358	-0.2715	-78	393	422	NPTLLNEIYIDLYITEGGN GEISNEHEYKR												Mascot
31	PREDICTED: GAS2-like protein 2-like [Danio rerio]				gi 326668195		100432.5	9.58	11	35	0	8	0						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	844.4345	844.4007	-0.0338	-40	258	264	CTSLVHK				Carbamidomethyl (C)[1]		Mascot
	996.5883	996.577	-0.0113	-11	808	815	LRPCVRPR						Mascot
	1045.5636	1045.5386	-0.025	-24	668	677	SASLDRATPK						Mascot
	1103.5803	1103.6316	0.0513	46	339	348	NTSSSPNKLR						Mascot
	1127.5803	1127.5961	0.0158	14	545	554	RGQVEQAPDK						Mascot
	1255.6528	1255.5188	-0.134	-107	527	537	IPQEEPSEKAK						Mascot
	1388.6838	1388.6863	0.0025	2	546	558	GQVEQAPDKAMSK						Mascot
	1388.6838	1388.6863	0.0025	2	546	558	GQVEQAPDKAMSK						Mascot
	1539.8278	1539.7108	-0.117	-76	217	229	YRVGDSNTLIFVR						Mascot
	1596.7184	1596.7355	0.0171	11	324	337	SSCSPDPEHQPTRR	8		0			Mascot
	1596.7184	1596.7355	0.0171	11	324	337	SSCSPDPEHQPTRR						Mascot
	3338.6616	3338.6995	0.0379	11	183	211	SLINIQLNDEMVLQLISRC SCPSQFPMVK				Oxidation (M)[11,27]		Mascot
	3508.5779	3508.4207	-0.1572	-45	717	748	TEDSHTTTHHLKVKSPC MTSSWSSLGSSMDSK				Oxidation (M)[18]		Mascot
	3508.5779	3508.4207	-0.1572	-45	717	748	TEDSHTTTHHLKVKSPC MTSSWSSLGSSMDSK				Oxidation (M)[18]		Mascot

32 thyroid hormone receptor alpha B [Danio rerio] gi|118162029 21600 5.26 7 35 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	850.4338	850.3846	-0.0492	-58	110	117	TGLTCVEK						Mascot
	1158.4774	1158.5857	0.1083	93	33	42	GCCMEIMSLR				Oxidation (M)[4]		Mascot
	1199.504	1199.614	0.11	92	33	42	GCCMEIMSLR				Carbamidomethyl (C)[2]		Mascot
	1277.677	1277.6804	0.0034	3	110	120	TGLTCVEKIEK				Carbamidomethyl (C)[5]		Mascot
	1529.7676	1529.6742	-0.0934	-61	151	164	VTDLRMIGACHASR						Mascot
	1539.7262	1539.7108	-0.0154	-10	33	46	GCCMEIMSLRAAVR						Mascot
	1596.7477	1596.7355	-0.0122	-8	33	46	GCCMEIMSLRAAVR				Carbamidomethyl (C)[2]		Mascot
	1596.7477	1596.7355	-0.0122	-8	33	46	GCCMEIMSLRAAVR				Carbamidomethyl (C)[2]		Mascot

1612.7427	1612.7328	-0.0099	-6	33	46	GCCMEIMSLRAAVR	Carbamidomethyl (C)[2], Oxidation (M)[4]	Mascot
2005.0385	2004.9718	-0.0667	-33	16	32	LPMFSELPCEQIILLK	Oxidation (M)[3]	Mascot
3283.5725	3283.3528	-0.2197	-67	16	42	LPMFSELPCEQIILLKGC CMEIMSLR	Carbamidomethyl (C)[9,19,20]	Mascot

33 Zgc:111960 protein [Danio rerio] gi|166796880 39211.8 5.12 8 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
1103.5765	1103.6316	0.0551	50	225	233	IAELELQCK			Carbamidomethyl (C)[8]		Mascot	
1195.5776	1195.583	0.0054	5	1	10	MGEQPIFTTR			Oxidation (M)[1]		Mascot	
1233.6256	1233.5332	-0.0924	-75	178	187	KCESELQALR			Carbamidomethyl (C)[2]		Mascot	
1318.7035	1318.6349	-0.0686	-52	223	233	SKIAELELQCK			Carbamidomethyl (C)[10]		Mascot	
1564.7384	1564.7134	-0.025	-16	179	192	CESELQALRDSSAR					Mascot	
1816.9473	1816.9128	-0.0345	-19	225	239	IAELELQCKELSVR			Carbamidomethyl (C)[8]		Mascot	
1994.0553	1993.9354	-0.1199	-60	152	170	ISHSGPETAALKAEENDLL K					Mascot	
2054.0586	2054.0234	-0.0352	-17	324	340	LLMEQLDGKIDELHEVR			Oxidation (M)[3]		Mascot	

34 Pkm2a protein [Danio rerio] gi|45501385 58075.7 6.36 6 34 0 16 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
996.4818	996.577	0.0952	96	491	499	VNFAMDVGK			Oxidation (M)[5]		Mascot	
1173.6837	1173.6047	-0.079	-67	164	174	NITKVVEVGSK	16	0			Mascot	
1173.6837	1173.6047	-0.079	-67	164	174	NITKVVEVGSK					Mascot	
1539.8601	1539.7108	-0.1493	-97	449	462	APILAVTRNEQTAR					Mascot	
2211.1003	2211.0544	-0.0459	-21	318	337	CNKAGKPIICATQMLES MIK			Oxidation (M)[14,18]		Mascot	
3338.6228	3338.6995	0.0767	23	463	490	QAHLYRGIFPIYNSPSN DVWAEDVDLR					Mascot	
3494.6414	3494.4358	-0.2056	-59	344	377	AEGSDVANAVLDGADCI MLSGETAKGDYPLEAVR			Carbamidomethyl (C)[16]		Mascot	

35 pyruvate kinase isozymes M1/M2 [Danio rerio] gi|40786398 58020.6 6.54 6 34 0 16 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result	Type
996.4818	996.577	0.0952	96	491	499	VNFAMDVGK			Oxidation (M)[5]		Mascot	
1173.6837	1173.6047	-0.079	-67	164	174	NITKVVEVGSK	16	0			Mascot	
1173.6837	1173.6047	-0.079	-67	164	174	NITKVVEVGSK					Mascot	

1539.8601	1539.7108	-0.1493	-97	449	462	APILAVTRNEQTAR						Mascot
2211.1003	2211.0544	-0.0459	-21	318	337	CNKAGKPIICATQMLES IK			Oxidation (M)[14,18]			Mascot
3338.6228	3338.6995	0.0767	23	463	490	QAHLYRGIFPIYNSPSN DVWAEDVDLR						Mascot
3494.6414	3494.4358	-0.2056	-59	344	377	AEGSDVANAVLDGADCI MLSGETAKGDYPLEAVR			Carbamidomethyl (C)[16]			Mascot

36 RecName: Full=Regulator of telomere elongation helicase 1 gi|229891620 132720.1 7.72 18 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
828.4686	828.3999	-0.0687	-83	689	696	AVNQAIGR					Mascot
828.4686	828.3999	-0.0687	-83	689	696	AVNQAIGR					Mascot
844.428	844.4007	-0.0273	-32	160	166	VHMCRAK					Mascot
882.4468	882.5464	0.0996	113	743	749	DVAQFFR					Mascot
1081.4467	1081.5618	0.1151	106	856	864	EDTMVGEEER			Oxidation (M)[4]		Mascot
1158.5612	1158.5857	0.0245	21	733	742	IYDGFGMTVR					Mascot
1195.6392	1195.583	-0.0562	-47	925	934	LIMEALQSYK					Mascot
1199.5911	1199.614	0.0229	19	906	915	TGKAFMMELR			Oxidation (M)[6]		Mascot
1211.634	1211.553	-0.081	-67	925	934	LIMEALQSYK			Oxidation (M)[3]		Mascot
1255.4983	1255.5188	0.0205	16	1169	1177	YRPSFHECC			Carbamidomethyl (C)[8,9]		Mascot
1277.4958	1277.6804	0.1846	145	659	667	MQYLDEMCR			Carbamidomethyl (C)[8], Oxidation (M)[1,7]		Mascot
1335.6461	1335.6554	0.0093	7	1060	1072	EGPSCSSLLSDIK					Mascot
1378.6454	1378.731	0.0856	62	142	152	EQLCINQEVMR			Oxidation (M)[10]		Mascot
1388.6151	1388.6863	0.0712	51	171	181	SCIFYNNVDEK			Carbamidomethyl (C)[2]		Mascot
1388.6151	1388.6863	0.0712	51	171	181	SCIFYNNVDEK			Carbamidomethyl (C)[2]		Mascot
1475.658	1475.7228	0.0648	44	825	836	LCIQYEMEMTSK					Mascot
1491.6528	1491.7197	0.0669	45	825	836	LCIQYEMEMTSK			Oxidation (M)[7]		Mascot
1507.6477	1507.7015	0.0538	36	825	836	LCIQYEMEMTSK			Oxidation (M)[7,9]		Mascot
1513.699	1513.701	0.002	1	811	824	LDSEEHSGREGAAR					Mascot
1564.6692	1564.7134	0.0442	28	825	836	LCIQYEMEMTSK			Carbamidomethyl (C)[2], Oxidation (M)[7,9]		Mascot
1634.806	1634.6932	-0.1128	-69	593	607	GKGTFTVIDGYGK					Mascot
2211.0938	2211.0544	-0.0394	-18	917	934	CLSHENFKLIMEALQSYK			Carbamidomethyl (C)[1]		Mascot
3047.4502	3047.4531	0.0029	1	448	472	QGNVLSYWCFSFGFSM QELLRQEV			Carbamidomethyl (C)[9], Oxidation (M)[16]		Mascot
3338.6394	3338.6995	0.0601	18	1082	1110	QMFSAQAYKTSNNYEQ MVSTVVSLLTER					Mascot

37 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4 [Danio rerio] gi|82658252 55754.4 6.31 11 34 0

Peptide Information													
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification				Rank	Result Type
811.3832	811.3304	-0.0528	-65	727	732	DYEKEK							Mascot
816.4573	816.3804	-0.0769	-94	58	65	NTLAVGNK							Mascot
844.4709	844.4007	-0.0702	-83	1006	1012	MLTNLPR							Mascot
1045.4836	1045.5386	0.055	53	66	73	EYDYQSLK							Mascot
1127.5765	1127.5961	0.0196	17	1366	1376	TAMSTGVSVFK							Mascot
1158.6113	1158.5857	-0.0256	-22	751	760	ENAENILSR							Mascot
1195.6205	1195.583	-0.0375	-31	1609	1618	TDSEVEFIKK							Mascot
1199.751	1199.614	-0.137	-114	1167	1176	IPNLKLQVFK							Mascot
1318.6018	1318.6349	0.0331	25	1631	1641	QYLTMTAESMK				Oxidation (M)[5]			Mascot
1469.7053	1469.7382	0.0329	22	1618	1630	KASCNSTQFEIGK				Carbamidomethyl (C)[4]			Mascot
1469.7053	1469.7382	0.0329	22	1618	1630	KASCNSTQFEIGK				Carbamidomethyl (C)[4]			Mascot
1475.7423	1475.7228	-0.0195	-13	950	962	RIDPNGVFGTPMR				Oxidation (M)[12]			Mascot
1491.7914	1491.7197	-0.0717	-48	153	165	SARTVTLTFTQDPR							Mascot
1507.7169	1507.7015	-0.0154	-10	665	679	ASSAGGTCSDTLRPK				Carbamidomethyl (C)[8]			Mascot
1638.8632	1638.827	-0.0362	-22	1134	1149	TNPHKLMGAGVGVTEK							Mascot
2211.2092	2211.0544	-0.1548	-70	169	188	VEIIDMTDINGAKPLPPFK							Mascot
3332.7937	3332.364	-0.4297	-129	2	29	ARLLLCIFNLFVCFVQENVYLITAPK				Carbamidomethyl (C)[7]			Mascot
3345.9048	3346.3752	0.4704	141	346	375	FVETPFTLSIIATPPFIKGPLYAMRVLVK							Mascot
3345.9048	3346.3752	0.4704	141	346	375	FVETPFTLSIIATPPFIKGPLYAMRVLVK							Mascot
3445.5139	3445.3708	-0.1431	-42	1652	1679	FPLDSEAWVDWWPLESDCSDANCKQYVK				Carbamidomethyl (C)[18,23]			Mascot

40 PREDICTED: collagen alpha-3(VI) chain [Danio rerio] gi|326670654 349571.2 6.91 21 33 0 22 0

Peptide Information													
Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification				Rank	Result Type
811.3766	811.3304	-0.0462	-57	418	424	SSFPAMR				Oxidation (M)[6]			Mascot
816.3481	816.3804	0.0323	40	2263	2270	GEPGEDGR							Mascot
842.4413	842.4902	0.0489	58	1480	1486	LRHMGGR				Oxidation (M)[4]			Mascot
844.4709	844.4007	-0.0702	-83	3201	3209	ACGKAAPVK							Mascot
882.454	882.5464	0.0924	105	2161	2169	GGPGEPGRR							Mascot
1081.5128	1081.5618	0.049	45	3118	3126	CMKTVAEQR				Oxidation (M)[2]			Mascot
1103.5878	1103.6316	0.0438	40	1230	1238	DMVQRVVEK							Mascot
1129.6687	1129.6129	-0.0558	-49	1734	1745	SAALGLKASGVR							Mascot

	1165.6588	1165.7206	0.0618	53	1971	1979	GFRYTRPLR											Mascot
	1199.6493	1199.614	-0.0353	-29	2738	2748	GYFIVVMAVGK						Oxidation (M)[7]					Mascot
	1277.6888	1277.6804	-0.0084	-7	1018	1027	EFPIIQEFVR											Mascot
	1318.7113	1318.6349	-0.0764	-58	430	440	VVEKFNIEANR											Mascot
	1388.7493	1388.6863	-0.063	-45	1119	1131	ATDNIRQSATALK											Mascot
	1388.7493	1388.6863	-0.063	-45	1119	1131	ATDNIRQSATALK											Mascot
	1469.7893	1469.7382	-0.0511	-35	2340	2353	GPRGLGAVQC DLVK						Carbamidomethyl (C)[10]					Mascot
	1469.7893	1469.7382	-0.0511	-35	2340	2353	GPRGLGAVQC DLVK	22			0		Carbamidomethyl (C)[10]					Mascot
	1475.7423	1475.7228	-0.0195	-13	1223	1234	NEFPAIDMVQR											Mascot
	1491.7373	1491.7197	-0.0176	-12	1223	1234	NEFPAIDMVQR						Oxidation (M)[9]					Mascot
	1505.6591	1505.7271	0.068	45	3168	3179	WHYDPLSGNCTR						Carbamidomethyl (C)[10]					Mascot
	1505.6591	1505.7271	0.068	45	3168	3179	WHYDPLSGNCTR						Carbamidomethyl (C)[10]					Mascot
	1564.942	1564.7134	-0.2286	-146	505	519	LEGVPQILLLSGGR											Mascot
	1612.739	1612.7328	-0.0062	-4	850	862	DPEAHFYLN TYSR											Mascot
	1618.7748	1618.7167	-0.0581	-36	251	264	EPGANFYLN TYTTK											Mascot
	2211.0862	2211.0544	-0.0318	-14	605	624	DVVFLLDGS DGRNTFP AMR											Mascot
	3445.6355	3445.3708	-0.2647	-77	2583	2612	RDPTTDL DIDMAFILDSSE STWPSVFTEIK						Oxidation (M)[11]					Mascot

41

hydroxymethylglutaryl-CoA synthase, cytoplasmic [Danio rerio]

gi|41055180

55900.4

5.41

9

33

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1081.5272	1081.5618	0.0346	32	69	78	NGLSYESVGR					Mascot
1165.5922	1165.7206	0.1284	110	408	418	VSPGVFAETMK					Mascot
1173.6296	1173.6047	-0.0249	-21	391	401	LVSSLCDLPAR					Mascot
1173.6296	1173.6047	-0.0249	-21	391	401	LVSSLCDLPAR					Mascot
1217.6624	1217.5646	-0.0978	-80	79	89	LEVGTETIDK					Mascot
1529.7118	1529.6742	-0.0376	-25	296	307	IEDTYFDRDVEK					Mascot
1610.7955	1610.7346	-0.0609	-38	65	78	LMERNGLSYESVGR					Mascot
2211.0459	2211.0544	0.0085	4	209	226	LSIQCYLSALDQCYSVYK			Carbamidomethyl (C)[5,13]		Mascot
2225.0688	2225.0671	-0.0017	-1	488	508	MPRIPTTTAGPEVVMSN GDH			Oxidation (M)[1]		Mascot
3283.522	3283.3528	-0.1692	-52	267	295	LMLNDFLCHPSPNMESG PFGLEAFRDVK			Oxidation (M)[2,14]		Mascot

42

RecName: Full=Protein BCCIP homolog

gi|82178569

33862.1

4.37

8

32

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End	Sequence	Ion	C. I.	% Modification	Rank	Result Type
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	Seq.				Seq.				Score				
	842.3964	842.4902	0.0938	111	295	301	MTDYLTV						Mascot
	850.3723	850.3846	0.0123	14	191	197	EMAEAGR				Oxidation (M)[2]		Mascot
	992.4102	992.4919	0.0817	82	145	153	CSTPDGQER						Mascot
	1103.6824	1103.6316	-0.0508	-46	65	73	TLLQQLFLK						Mascot
	1129.5203	1129.6129	0.0926	82	205	213	CQFCLMISK				Carbamidomethyl (C)[1]		Mascot
	1378.7069	1378.731	0.0241	17	134	144	LKDMILDQCVK				Carbamidomethyl (C)[9], Oxidation (M)[4]		Mascot
	2053.8987	2054.0234	0.1247	61	136	153	DMILDQCVKCSTPDGQE R				Oxidation (M)[2]		Mascot
	3332.397	3332.364	-0.033	-10	251	278	FSYCVQDEADSCATGKW SYDDEPMKPFR				Carbamidomethyl (C)[4]		Mascot
43	Zgc:92237 [Danio rerio]				gi 156914835				28661	11.09	7	32	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	1277.71	1277.6804	-0.0296	-23	204	215	EAAAEYAKLLAK					Mascot
	1335.6725	1335.6554	-0.0171	-13	3	14	LNISFPATGCQK			Carbamidomethyl (C)[10]		Mascot
	1378.6783	1378.731	0.0527	38	52	64	ISGGNDKQGFPMK					Mascot
	1529.8369	1529.6742	-0.1627	-106	75	87	LLLSKGHSCYRPR					Mascot
	1610.8029	1610.7346	-0.0683	-42	1	14	MKLNISFPATGCQK			Carbamidomethyl (C)[12], Oxidation (M)[1]		Mascot
	1638.7316	1638.827	0.0954	58	32	46	MATEVAADSLGDEWK			Oxidation (M)[1]		Mascot
	1983.1418	1982.9869	-0.1549	-78	99	116	GCIVDANLSVLNLVIVRK			Carbamidomethyl (C)[2]		Mascot
	1983.1418	1982.9869	-0.1549	-78	99	116	GCIVDANLSVLNLVIVRK			Carbamidomethyl (C)[2]		Mascot

44 frizzled homolog 7a [Danio rerio] gi|32996705 63652.8 8.21 9 32 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	996.4489	996.577	0.1281	129	88	95	VQCSMDLK			Carbamidomethyl (C)[3], Oxidation (M)[5]		Mascot
	1277.6089	1277.6804	0.0715	56	123	133	ARQGCEALMNK			Carbamidomethyl (C)[5]		Mascot
	1335.6957	1335.6554	-0.0403	-30	134	143	FGFQWPERLR					Mascot
	1507.733	1507.7015	-0.0315	-21	2	14	AFLKMQHCCGITR					Mascot
	1564.7545	1564.7134	-0.0411	-26	2	14	AFLKMQHCCGITR			Carbamidomethyl (C)[8]		Mascot
	1612.8192	1612.7328	-0.0864	-54	201	213	VPTYLKYHFMGEK					Mascot
	1638.7736	1638.827	0.0534	33	1	14	MAFLKMQHCCGITR					Mascot
	3047.5806	3047.4531	-0.1275	-42	240	265	LWVGIWSILCCVSTLFTV LTYLVDMR			Oxidation (M)[25]		Mascot
	3338.647	3338.6995	0.0525	16	378	407	TITILAMQVYGDMLTGV			Carbamidomethyl (C)[19], Oxidation (M)[7]		Mascot

	3445.6853	3445.3708	-0.3145	-91	6	35	CYVGIYNVDSLRL MQHCCGITRYFLLFTVA LQTTSGQYHGEK						Mascot
45	PREDICTED: microtubule-associated protein 6 [Danio rerio]					gi 326671281	51366.2	9.48	10	32	0		

Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
828.4032	828.3999	-0.0033	-4	403	409	CALPDPR				Carbamidomethyl (C)[1]		Mascot
828.4032	828.3999	-0.0033	-4	403	409	CALPDPR				Carbamidomethyl (C)[1]		Mascot
1127.5439	1127.5961	0.0522	46	220	229	REVSSGSSYR						Mascot
1129.6211	1129.6129	-0.0082	-7	362	371	EINNKLAEAK						Mascot
1173.6877	1173.6047	-0.083	-71	22	32	ADIAVPLVFTK						Mascot
1173.6877	1173.6047	-0.083	-71	22	32	ADIAVPLVFTK						Mascot
1388.7744	1388.6863	-0.0881	-63	313	326	KSSSTSATPGKPLK						Mascot
1388.7744	1388.6863	-0.0881	-63	314	327	SSSTSATPGKPLKK						Mascot
1491.7638	1491.7197	-0.0441	-30	398	409	QHLWRCALPDPR						Mascot
1564.644	1564.7134	0.0694	44	146	159	HSSPEMMMDSGVEK						Mascot
1596.6339	1596.7355	0.1016	64	146	159	HSSPEMMMDSGVEK				Oxidation (M)[6,7]		Mascot
1596.6339	1596.7355	0.1016	64	146	159	HSSPEMMMDSGVEK				Oxidation (M)[6,7]		Mascot
1612.6288	1612.7328	0.104	64	146	159	HSSPEMMMDSGVEK				Oxidation (M)[6,7,8]		Mascot
1618.8159	1618.7167	-0.0992	-61	377	388	QYHYIQLCQPIR				Carbamidomethyl (C)[8]		Mascot
1638.712	1638.827	0.115	70	2	14	AWPCISRACCMAR				Carbamidomethyl (C)[4,9,10]		Mascot

46	TRalpha-B [Danio rerio]					gi 68132042	36168.4	6.51	8	32	0	
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Peptide Information												
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
811.442	811.3304	-0.1116	-138	76	82	VVTEAHR						Mascot
1103.6605	1103.6316	-0.0289	-26	273	281	LLMKVTNLR				Oxidation (M)[3]		Mascot
1158.4774	1158.5857	0.1083	93	159	168	GCCMEIMSLR				Oxidation (M)[4]		Mascot
1165.5902	1165.7206	0.1304	112	264	272	HNISFWPK						Mascot
1199.504	1199.614	0.11	92	159	168	GCCMEIMSLR				Carbamidomethyl (C)[2]		Mascot
1539.7262	1539.7108	-0.0154	-10	159	172	GCCMEIMSLRAAVR						Mascot
1596.7477	1596.7355	-0.0122	-8	159	172	GCCMEIMSLRAAVR				Carbamidomethyl (C)[2]		Mascot
1596.7477	1596.7355	-0.0122	-8	159	172	GCCMEIMSLRAAVR				Carbamidomethyl (C)[2]		Mascot
1612.7427	1612.7328	-0.0099	-6	159	172	GCCMEIMSLRAAVR				Carbamidomethyl (C)[2], Oxidation (M)[4]		Mascot
1634.8173	1634.6932	-0.1241	-76	195	210	NGGFGVVSDAILDWGK						Mascot

	2005.0385	2004.9718	-0.0667	-33	142	158	LPMFSELPCEDQIILLK				Oxidation (M)[3]	Mascot
	3283.5725	3283.3528	-0.2197	-67	142	168	LPMFSELPCEDQIILLKGC CMEIMSLR				Carbamidomethyl (C)[9,19,20]	Mascot
47	ubiquitin domain-containing protein 2 [Danio rerio]				gi 50540502		26706.3	5.26	6	32	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.4902	-0.0304	-36	163	169	DLRLAVR					Mascot
1195.5736	1195.583	0.0094	8	170	179	TDSVQQMKR			Oxidation (M)[8]		Mascot
1388.7128	1388.6863	-0.0265	-19	181	193	LQTQEGVAATSQR					Mascot
1388.7128	1388.6863	-0.0265	-19	181	193	LQTQEGVAATSQR					Mascot
1513.6952	1513.701	0.0058	4	41	53	SDYPMTDGLRSK			Oxidation (M)[5]		Mascot
1596.7476	1596.7355	-0.0121	-8	39	51	WKSDYPMTDGLR					Mascot
1596.7476	1596.7355	-0.0121	-8	39	51	WKSDYPMTDGLR					Mascot
1612.7424	1612.7328	-0.0096	-6	39	51	WKSDYPMTDGLR			Oxidation (M)[7]		Mascot
3338.5237	3338.6995	0.1758	53	1	33	MGGCVGSHHDSSGSLN ENSDGTGVALGRNQPLK			Carbamidomethyl (C)[4]		Mascot

48	Dci protein [Danio rerio]				gi 50417904		34229.5	8.58	7	32	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
816.4032	816.3804	-0.0228	-28	174	180	IMADNPR					Mascot
996.4965	996.577	0.0805	81	261	268	QISKSMR			Oxidation (M)[6]		Mascot
1233.5358	1233.5332	-0.0026	-2	126	135	SPEHCAEFWK					Mascot
1491.7325	1491.7197	-0.0128	-9	43	55	YLVSKNDYSTSSK					Mascot
1596.7687	1596.7355	-0.0332	-21	1	15	GNSDISAAFEMSVLR					Mascot
1596.7687	1596.7355	-0.0332	-21	1	15	GNSDISAAFEMSVLR					Mascot
1612.7635	1612.7328	-0.0307	-19	1	15	GNSDISAAFEMSVLR			Oxidation (M)[11]		Mascot
2211.1589	2211.0544	-0.1045	-47	241	260	VLSTAAETMTKWLAI ^{PDH} AR					Mascot
3283.5149	3283.3528	-0.1621	-49	150	180	VTIAAINGNSPAGGCLLA MCCDYRIMADNPR			Carbamidomethyl (C)[15], Oxidation (M)[19]		Mascot

49	PREDICTED: hypothetical protein LOC100007481 [Danio rerio]				gi 326664865		157182.2	8.05	16	32	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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828.4798	828.3999	-0.0799	-96	1322	1329	NGLRVGGR							Mascot
828.5049	828.3999	-0.105	-127	773	780	IRGLQG GK							Mascot
882.4719	882.5464	0.0745	84	684	690	QFAEFLK							Mascot
1045.5173	1045.5386	0.0213	20	874	882	QGSQSFVHR							Mascot
1081.4659	1081.5618	0.0959	89	1039	1047	CYYPSSFSK							Mascot
1103.5844	1103.6316	0.0472	43	613	622	VGVNDFSLR							Mascot
1233.6222	1233.5332	-0.089	-72	180	189	DDIHSKYSIR							Mascot
1335.6176	1335.6554	0.0378	28	347	358	TSSYNTYSGTVR							Mascot
1388.7202	1388.6863	-0.0339	-24	887	898	EMRVPTANDVLK				Oxidation (M)[2]			Mascot
1388.7202	1388.6863	-0.0339	-24	887	898	EMRVPTANDVLK				Oxidation (M)[2]			Mascot
1475.7682	1475.7228	-0.0454	-31	931	942	EYGHFQLPLPFK							Mascot
1529.6835	1529.6742	-0.0093	-6	191	205	KMGQGGCGSVYEGTR							Mascot
1539.7195	1539.7108	-0.0087	-6	290	301	VFSEEMARHFMR							Mascot
1564.942	1564.7134	-0.2286	-146	1216	1229	LLVGDPVKLVQVR							Mascot
1817.0181	1816.9128	-0.1053	-58	1243	1258	FGHFSSLRTLINVVAR							Mascot
2053.9548	2054.0234	0.0686	33	282	297	QFWLSHDRVFEEMAR				Oxidation (M)[14]			Mascot
3445.6289	3445.3708	-0.2581	-75	623	652	EFSDFLQGCEAIPQVKGLSILNDCEENYK				Carbamidomethyl (C)[9]			Mascot

50

28S ribosomal protein S18c, mitochondrial [Danio rerio]

gi|148540187

15133.9

9.57

1

22

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
1469.7126	1469.7382	0.0256	17	58	69	TCILCNVTDFK	22	0	Carbamidomethyl (C)[2,5]	2	Mascot

Gel Idx/Pos	269/K21	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
1	vitellogenin 2 isoform 1 [Danio rerio]	gi 113678458	179782.8	8.7	11	173	100	158	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
850.4702	850.5274	0.0572	67	1547	1553	MKLESVK		Oxidation (M)[1]			Mascot
995.4397	995.498	0.0583	59	1541	1548	DASQCRMK		Carbamidomethyl (C)[5]			Mascot
1096.5819	1096.5802	-0.0017	-2	1119	1127	TLTKMEAFR					Mascot
1109.5659	1109.4674	-0.0985	-89	1213	1222	FCADGVLLSK		Carbamidomethyl (C)[2]			Mascot

1112.5769	1112.5265	-0.0504	-45	1119	1127	TLTKMEAFR						Oxidation (M)[5]	Mascot
1173.6262	1173.6045	-0.0217	-18	1024	1033	LEFEVQVGPR							Mascot
1173.6262	1173.6045	-0.0217	-18	1024	1033	LEFEVQVGPR	78	100					Mascot
1179.5892	1179.58	-0.0092	-8	164	173	TQYVISEDPK							Mascot
1179.5892	1179.58	-0.0092	-8	164	173	TQYVISEDPK							Mascot
1308.6616	1308.6348	-0.0268	-20	1225	1236	VTSKVTWGAECK							Mascot
1308.6616	1308.6348	-0.0268	-20	1225	1236	VTSKVTWGAECK							Mascot
1365.6831	1365.6183	-0.0648	-47	1225	1236	VTSKVTWGAECK						Carbamidomethyl (C)[11]	Mascot
1388.7017	1388.6914	-0.0103	-7	694	706	SPAADESVDRITK							Mascot
1596.7699	1596.7397	-0.0302	-19	983	996	GCVEVHSHNAAFIR						Carbamidomethyl (C)[2]	Mascot
1596.7699	1596.7397	-0.0302	-19	983	996	GCVEVHSHNAAFIR	81	100				Carbamidomethyl (C)[2]	Mascot
2233.2446	2233.0374	-0.2072	-93	425	445	IATIPALREVVMLGYGSMI AK							Mascot
2872.5964	2872.343	-0.2534	-88	472	498	NDIPEITLALKVLGNAGHP SSLKPIMK						Oxidation (M)[26]	Mascot

2 vitellogenin 6 [Danio rerio] gi|303227889 150936.1 8.84 9 169 100 158 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1090.5925	1090.5095	-0.083	-76	1337	1345	IPEITMSKR			Oxidation (M)[6]		Mascot
1173.6262	1173.6045	-0.0217	-18	1033	1042	LEFEVQVGPR					Mascot
1173.6262	1173.6045	-0.0217	-18	1033	1042	LEFEVQVGPR	78	100			Mascot
1193.6348	1193.5941	-0.0407	-34	1136	1145	TATIMEPFRK					Mascot
1305.746	1305.7136	-0.0324	-25	2	13	LSGVLHKPPAMR					Mascot
1383.6725	1383.6626	-0.0099	-7	1244	1255	VTAKFSWGAECK			Carbamidomethyl (C)[11]		Mascot
1388.7017	1388.6914	-0.0103	-7	705	717	SPAADESVDRITK					Mascot
1596.7699	1596.7397	-0.0302	-19	992	1005	GCVEVHSHNAAFIR			Carbamidomethyl (C)[2]		Mascot
1596.7699	1596.7397	-0.0302	-19	992	1005	GCVEVHSHNAAFIR	81	100	Carbamidomethyl (C)[2]		Mascot
1638.8485	1638.8273	-0.0212	-13	679	694	TYLAGAAADVVEFGVR					Mascot
2233.2009	2233.0374	-0.1635	-73	604	625	SLTRITAPDMAYVAGAAN VAIK					Mascot

3 hypothetical protein LOC678536 [Danio rerio] gi|160420306 148750.2 8.89 9 168 100 158 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1045.5465	1045.5438	-0.0027	-3	1346	1353	DFLSWIHK					Mascot
1118.5986	1118.4894	-0.1092	-98	1317	1325	IPEITMSRR			Oxidation (M)[6]		Mascot

	1173.6262	1173.6045	-0.0217	-18	1022	1031	LEFEVQVGPR								Mascot
	1173.6262	1173.6045	-0.0217	-18	1022	1031	LEFEVQVGPR	78	100						Mascot
	1193.6348	1193.5941	-0.0407	-34	1116	1125	TATIMEPFRK								Mascot
	1383.6725	1383.6626	-0.0099	-7	1224	1235	VTAKFSWGAECK				Carbamidomethyl (C)[11]				Mascot
	1388.7017	1388.6914	-0.0103	-7	694	706	SPAADESVDRITK								Mascot
	1596.7699	1596.7397	-0.0302	-19	981	994	GCVEVHSHNAAFIR				Carbamidomethyl (C)[2]				Mascot
	1596.7699	1596.7397	-0.0302	-19	981	994	GCVEVHSHNAAFIR	81	100		Carbamidomethyl (C)[2]				Mascot
	1999.078	1998.9027	-0.1753	-88	54	71	VSSKVLSSAVTENTYLMK				Oxidation (M)[17]				Mascot
	2233.2009	2233.0374	-0.1635	-73	593	614	SLTRITAPDMAYVAGAAN VAIK								Mascot
4	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733734 149808.5 8.83 8 168 100 158 100														

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1090.5925	1090.5095	-0.083	-76	1326	1334	IPEITMSKR				Oxidation (M)[6]		Mascot	
1173.6262	1173.6045	-0.0217	-18	1026	1035	LEFEVQVGPR						Mascot	
1173.6262	1173.6045	-0.0217	-18	1026	1035	LEFEVQVGPR	78	100				Mascot	
1193.6348	1193.5941	-0.0407	-34	1125	1134	TATIMEPFRK						Mascot	
1383.6725	1383.6626	-0.0099	-7	1233	1244	VTAKFSWGAECK				Carbamidomethyl (C)[11]		Mascot	
1388.7017	1388.6914	-0.0103	-7	698	710	SPAADESVDRITK						Mascot	
1596.7699	1596.7397	-0.0302	-19	985	998	GCVEVHSHNAAFIR				Carbamidomethyl (C)[2]		Mascot	
1596.7699	1596.7397	-0.0302	-19	985	998	GCVEVHSHNAAFIR	81	100		Carbamidomethyl (C)[2]		Mascot	
1638.8485	1638.8273	-0.0212	-13	672	687	TYLAGAAADVVEFGVR						Mascot	
2233.2009	2233.0374	-0.1635	-73	597	618	SLTRITAPDMAYVAGAAN VAIK						Mascot	

5 vitellogenin 1 [Danio rerio] gi|166795887 149452.5 8.68 7 167 100 158 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1090.5925	1090.5095	-0.083	-76	1319	1327	IPEITMSKR				Oxidation (M)[6]		Mascot	
1173.6262	1173.6045	-0.0217	-18	1022	1031	LEFEVQVGPR						Mascot	
1173.6262	1173.6045	-0.0217	-18	1022	1031	LEFEVQVGPR	78	100				Mascot	
1388.7017	1388.6914	-0.0103	-7	694	706	SPAADESVDRITK						Mascot	
1596.7699	1596.7397	-0.0302	-19	981	994	GCVEVHSHNAAFIR				Carbamidomethyl (C)[2]		Mascot	
1596.7699	1596.7397	-0.0302	-19	981	994	GCVEVHSHNAAFIR	81	100		Carbamidomethyl (C)[2]		Mascot	
1638.8485	1638.8273	-0.0212	-13	668	683	TYLAGAAADVVEFGVR						Mascot	
1998.8339	1998.9027	0.0688	34	1098	1117	SSSSSSQSSSSSMSSSR						Mascot	

	2233.2009	2233.0374	-0.1635	-73	593	614	MSK SLTRITAPDMAYVAGAAN VAIK								Mascot
6	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733733 149143.4 8.92 9 166 100 158 100														
Peptide Information															
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type		
	1045.5465	1045.5438	-0.0027	-3	1350	1357	DFLSWIHK						Mascot		
	1118.5986	1118.4894	-0.1092	-98	1321	1329	IPEITMSRR				Oxidation (M)[6]		Mascot		
	1173.6262	1173.6045	-0.0217	-18	1026	1035	LEFEVQVGPR						Mascot		
	1173.6262	1173.6045	-0.0217	-18	1026	1035	LEFEVQVGPR	78	100				Mascot		
	1193.6348	1193.5941	-0.0407	-34	1120	1129	TATIMEPFRK						Mascot		
	1383.6725	1383.6626	-0.0099	-7	1228	1239	VTAKFSWGAECK				Carbamidomethyl (C)[11]		Mascot		
	1388.7017	1388.6914	-0.0103	-7	698	710	SPAADESVDRTK						Mascot		
	1596.7699	1596.7397	-0.0302	-19	985	998	GCVEVHSHNAAFIR				Carbamidomethyl (C)[2]		Mascot		
	1596.7699	1596.7397	-0.0302	-19	985	998	GCVEVHSHNAAFIR	81	100		Carbamidomethyl (C)[2]		Mascot		
	1999.078	1998.9027	-0.1753	-88	58	75	VSSKVL SAVTENTYLMK				Oxidation (M)[17]		Mascot		
	2233.2009	2233.0374	-0.1635	-73	597	618	SLTRITAPDMAYVAGAAN VAIK						Mascot		
7	Zgc:136383 protein [Danio rerio] gi 159155252 123957.1 8.78 8 165 100 158 100														
Peptide Information															
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type		
	1045.5465	1045.5438	-0.0027	-3	1123	1130	DFLSWIHK						Mascot		
	1118.5986	1118.4894	-0.1092	-98	1094	1102	IPEITMSRR				Oxidation (M)[6]		Mascot		
	1173.6262	1173.6045	-0.0217	-18	799	808	LEFEVQVGPR						Mascot		
	1173.6262	1173.6045	-0.0217	-18	799	808	LEFEVQVGPR	78	100				Mascot		
	1193.6348	1193.5941	-0.0407	-34	893	902	TATIMEPFRK						Mascot		
	1383.6725	1383.6626	-0.0099	-7	1001	1012	VTAKFSWGAECK				Carbamidomethyl (C)[11]		Mascot		
	1388.7017	1388.6914	-0.0103	-7	471	483	SPAADESVDRTK						Mascot		
	1596.7699	1596.7397	-0.0302	-19	758	771	GCVEVHSHNAAFIR				Carbamidomethyl (C)[2]		Mascot		
	1596.7699	1596.7397	-0.0302	-19	758	771	GCVEVHSHNAAFIR	81	100		Carbamidomethyl (C)[2]		Mascot		
	2233.2009	2233.0374	-0.1635	-73	370	391	SLTRITAPDMAYVAGAAN VAIK						Mascot		
8	vitellogenin 1 [Danio rerio] gi 21391472 127954.2 8.69 3 158 100 158 100														
Peptide Information															
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type		

		1090.5925	1090.5095	-0.083	-76	1126	1134	IPEITMSKR					Oxidation (M)[6]		Mascot
		1173.6262	1173.6045	-0.0217	-18	831	840	LEFEVQVGPR							Mascot
		1173.6262	1173.6045	-0.0217	-18	831	840	LEFEVQVGPR	78	100					Mascot
		1596.7699	1596.7397	-0.0302	-19	790	803	GCVEVHSHNAAFIR					Carbamidomethyl (C)[2]		Mascot
		1596.7699	1596.7397	-0.0302	-19	790	803	GCVEVHSHNAAFIR	81	100			Carbamidomethyl (C)[2]		Mascot
9	novel alpha-type globin [Danio rerio]						gi 27802790		15913.3	7.98	4	140	100	118	100
	Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification		Rank	Result Type
		1096.6038	1096.5802	-0.0236	-22	33	41	TLFVYPQTK							Mascot
		1305.7412	1305.7136	-0.0276	-21	130	141	FLAQVSLALSEK							Mascot
		1673.9043	1673.8759	-0.0284	-17	80	94	GGLLTLSLHAFMLR					Oxidation (M)[13]		Mascot
		1976.9501	1976.9142	-0.0359	-18	42	58	TYFSHWADLSPNSPQVK	118	100					Mascot
		1976.9501	1976.9142	-0.0359	-18	42	58	TYFSHWADLSPNSPQVK							Mascot
10	alpha globin [Danio rerio]						gi 1477580		12323.6	8.93	2	100	100	90	100
	Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification		Rank	Result Type
		1096.5707	1096.5802	0.0095	9	33	41	MLTVYPQTK					Oxidation (M)[1]		Mascot
		1976.9865	1976.9142	-0.0723	-37	42	59	TYFSHWADLSPGSGPVK K	90	100					Mascot
		1976.9865	1976.9142	-0.0723	-37	42	59	TYFSHWADLSPGSGPVK K							Mascot
11	hemoglobin subunit alpha [Danio rerio]						gi 47271417		15498.2	7.98	2	99	100	90	100
	Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification		Rank	Result Type
		1096.5707	1096.5802	0.0095	9	33	41	MLTVYPQTK					Oxidation (M)[1]		Mascot
		1976.9865	1976.9142	-0.0723	-37	42	59	TYFSHWADLSPGSGPVK K	90	100					Mascot
		1976.9865	1976.9142	-0.0723	-37	42	59	TYFSHWADLSPGSGPVK K							Mascot
12	vitellogenin 6 [Danio rerio]						gi 57864787		38968.8	8.92	4	88	99.993	78	100
	Peptide Information														
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification		Rank	Result Type

	1090.5925	1090.5095	-0.083	-76	316	324	IPEITMSKR					Oxidation (M)[6]	Mascot
	1173.6262	1173.6045	-0.0217	-18	14	23	LEFEVQVGPR						Mascot
	1173.6262	1173.6045	-0.0217	-18	14	23	LEFEVQVGPR	78	100				Mascot
	1193.6348	1193.5941	-0.0407	-34	115	124	TATIMEPFRK						Mascot
	1383.6725	1383.6626	-0.0099	-7	223	234	VTAKFSWGAECK					Carbamidomethyl (C)[11]	Mascot

13 vitellogenin 2 [Danio rerio] gi|57864779 68993.5 7.84 6 86 99.989 78 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
850.4702	850.5274	0.0572	67	538	544	MKLESVK				Oxidation (M)[1]		Mascot	
995.4397	995.498	0.0583	59	532	539	DASQCRMK				Carbamidomethyl (C)[5]		Mascot	
1096.5819	1096.5802	-0.0017	-2	110	118	TLTKMEAFR						Mascot	
1109.5659	1109.4674	-0.0985	-89	204	213	FCADGVLLSK				Carbamidomethyl (C)[2]		Mascot	
1112.5769	1112.5265	-0.0504	-45	110	118	TLTKMEAFR				Oxidation (M)[5]		Mascot	
1173.6262	1173.6045	-0.0217	-18	15	24	LEFEVQVGPR						Mascot	
1173.6262	1173.6045	-0.0217	-18	15	24	LEFEVQVGPR	78	100				Mascot	
1308.6616	1308.6348	-0.0268	-20	216	227	VTSKVTWGAECK						Mascot	
1308.6616	1308.6348	-0.0268	-20	216	227	VTSKVTWGAECK						Mascot	
1365.6831	1365.6183	-0.0648	-47	216	227	VTSKVTWGAECK				Carbamidomethyl (C)[11]		Mascot	

14 vitellogenin 7 [Danio rerio] gi|156713467 148739.2 8.76 7 86 99.989 78 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1090.5925	1090.5095	-0.083	-76	1315	1323	IPEITMSKR				Oxidation (M)[6]		Mascot	
1109.4818	1109.4674	-0.0144	-13	1087	1097	SHSTSSSSSSR						Mascot	
1118.6238	1118.4894	-0.1344	-120	1209	1219	KICADGALLSK						Mascot	
1173.6262	1173.6045	-0.0217	-18	1022	1031	LEFEVQVGPR						Mascot	
1173.6262	1173.6045	-0.0217	-18	1022	1031	LEFEVQVGPR	78	100				Mascot	
1193.6083	1193.5941	-0.0142	-12	828	837	LESMTLDQLK				Oxidation (M)[4]		Mascot	
1977.1855	1976.9142	-0.2713	-137	505	523	TAANALPIKVQVDAILALR						Mascot	
1977.1855	1976.9142	-0.2713	-137	505	523	TAANALPIKVQVDAILALR						Mascot	
1999.0243	1998.9027	-0.1216	-61	1014	1031	AEGPSVERLEFEVQVGPR						Mascot	

15 vitellogenin 5 [Danio rerio] gi|68448530 148868 8.77 2 78 99.926 78 100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1090.5925	1090.5095	-0.083	-76	1319	1327 IPEITMSKR			Oxidation (M)[6]		Mascot
	1173.6262	1173.6045	-0.0217	-18	1022	1031 LEFEVQVGPR					Mascot
	1173.6262	1173.6045	-0.0217	-18	1022	1031 LEFEVQVGPR	78	100			Mascot
16	PREDICTED: zinc finger protein 729 [Danio rerio]				gi 326678104	141499.3	9.06	29	62	97.06	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	850.4603	850.5274	0.0671	79	574	580 GVFLMQR					Mascot
	882.4501	882.5476	0.0975	110	126	132 CDKTFLR					Mascot
	989.5751	989.5548	-0.0203	-21	1170	1177 AHLRVHTR					Mascot
	989.5751	989.5548	-0.0203	-21	1170	1177 AHLRVHTR					Mascot
	995.3491	995.498	0.1489	150	931	937 CSHCEMR			Carbamidomethyl (C)[1,4], Oxidation (M)[6]		Mascot
	996.5109	996.5501	0.0392	39	441	449 SFATQSSLR					Mascot
	1003.6159	1003.532	-0.0839	-84	138	145 IHLRVHTK					Mascot
	1003.6159	1003.532	-0.0839	-84	138	145 IHLRVHTK					Mascot
	1037.5132	1037.5089	-0.0043	-4	22	29 HCLQLHMR					Mascot
	1045.4731	1045.5438	0.0707	68	288	296 QHTSANEMK					Mascot
	1096.5568	1096.5802	0.0234	21	279	287 HMKIHTGEK			Oxidation (M)[2]		Mascot
	1107.5695	1107.5178	-0.0517	-47	622	630 SFRQSAHFK					Mascot
	1109.41	1109.4674	0.0574	52	900	908 EFMCFACDK			Oxidation (M)[3]		Mascot
	1112.5443	1112.5265	-0.0178	-16	737	746 QSGTLNAHER					Mascot
	1118.4791	1118.4894	0.0103	9	584	593 KCFTCTQCGK					Mascot
	1165.4764	1165.5636	0.0872	75	491	499 CSYCDKSFR			Carbamidomethyl (C)[1]		Mascot
	1194.6201	1194.5868	-0.0333	-28	273	281 WSHLQKHK					Mascot
	1277.642	1277.6868	0.0448	35	360	369 SKQSLQFHMR			Oxidation (M)[9]		Mascot
	1300.6024	1300.569	-0.0334	-26	788	799 SVTCDVCGKNFK					Mascot
	1305.6699	1305.7136	0.0437	33	269	278 SYTRWSHLQK					Mascot
	1308.5533	1308.6348	0.0815	62	987	996 CSFCIMTFSR			Carbamidomethyl (C)[1,4]		Mascot
	1308.5533	1308.6348	0.0815	62	987	996 CSFCIMTFSR			Carbamidomethyl (C)[1,4]		Mascot
	1316.5796	1316.5417	-0.0379	-29	847	856 CDQCSKMFik			Carbamidomethyl (C)[1,4]		Mascot
	1357.6239	1357.6906	0.0667	49	788	799 SVTCDVCGKNFK			Carbamidomethyl (C)[4]		Mascot
	1383.5715	1383.6626	0.0911	66	931	940 CSHCEMRFT			Carbamidomethyl (C)[1,4]		Mascot
	1673.7233	1673.8759	0.1526	91	697	709 EHMCFECQKTFVR			Oxidation (M)[3]		Mascot
	1976.8259	1976.9142	0.0883	45	288	304 QHTSANEMKMSDPEPCR			Oxidation (M)[8]		Mascot

1976.8259	1976.9142	0.0883	45	288	304	QHTSANEMKMSDPEPCR	Oxidation (M)[8]	Mascot
1998.916	1998.9027	-0.0133	-7	1034	1049	IHTGEKPYQCSYCEKR	Carbamidomethyl (C)[10]	Mascot
2282.999	2283.1355	0.1365	60	1058	1076	THEMSHTGEKPFKCAFC EK	Carbamidomethyl (C)[14], Oxidation (M)[4]	Mascot
2284.0168	2284.1343	0.1175	51	716	733	HQMIHTGEKPYRCSHCD K	Carbamidomethyl (C)[13,16]	Mascot
2367.1543	2367.2139	0.0596	25	775	796	THTGLSHTLHVSKSVTCD VCGK	Carbamidomethyl (C)[17]	Mascot
2872.311	2872.343	0.032	11	22	44	HCLQLHMRIHTGEKPYTC TECGK	Carbamidomethyl (C)[2,18,21], Oxidation (M)[7]	Mascot
2888.3276	2888.3442	0.0166	6	1086	1110	AHMRIHIGDKPYSCSYCE STFSLSR		Mascot

17 PREDICTED: transformation/transcription domain-associated protein [Danio rerio] gi|326672350 433471.2 8.52 33 60 95.34

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
882.5155	882.5476	0.0321	36	2182	2189	AVHSLLSR				Mascot
995.5342	995.498	-0.0362	-36	112	119	NILSVMFR		Oxidation (M)[6]		Mascot
1003.4553	1003.532	0.0767	76	3311	3318	CYSVAFEK		Carbamidomethyl (C)[1]		Mascot
1003.4553	1003.532	0.0767	76	3311	3318	CYSVAFEK		Carbamidomethyl (C)[1]		Mascot
1037.5448	1037.5089	-0.0359	-35	3084	3092	GMFLAQINK		Oxidation (M)[2]		Mascot
1045.5095	1045.5438	0.0343	33	3604	3612	EVQGNMVPR		Oxidation (M)[6]		Mascot
1096.5858	1096.5802	-0.0056	-5	3590	3599	GTQASHQVLR				Mascot
1103.5223	1103.6367	0.1144	104	2371	2378	MMTYIEKR		Oxidation (M)[1,2]		Mascot
1109.566	1109.4674	-0.0986	-89	548	557	TITWGITSCK				Mascot
1165.5817	1165.5636	-0.0181	-16	606	615	VANCQTVRMK		Oxidation (M)[9]		Mascot
1165.5817	1165.7239	0.1422	122	606	615	VANCQTVRMK		Oxidation (M)[9]		Mascot
1173.5795	1173.6045	0.025	21	1696	1704	FLCNMTFLK		Carbamidomethyl (C)[3]		Mascot
1173.5795	1173.6045	0.025	21	1696	1704	FLCNMTFLK		Carbamidomethyl (C)[3]		Mascot
1193.5337	1193.5941	0.0604	51	3264	3272	CSRIMHMQR		Oxidation (M)[5,7]		Mascot
1194.5573	1194.5868	0.0295	25	1653	1662	KDNMAATNWK		Oxidation (M)[4]		Mascot
1234.7054	1234.656	-0.0494	-40	986	995	WIPNVIISHR				Mascot
1234.7405	1234.656	-0.0845	-68	574	583	ETQIYIKLVK	6	0		Mascot
1308.5646	1308.6348	0.0702	54	1452	1461	FCDQMMQHLLR				Mascot
1308.6212	1308.6348	0.0136	10	2020	2031	GMSVDSAQDVKR		Oxidation (M)[2]		Mascot
1316.5536	1316.5417	-0.0119	-9	2248	2259	SACSNSSYIDR				Mascot
1323.7168	1323.6461	-0.0707	-53	1226	1236	SFHLVTHDLVR				Mascot
1340.5544	1340.6548	0.1004	75	1452	1461	FCDQMMQHLLR		Oxidation (M)[5,6]		Mascot
1357.6859	1357.6906	0.0047	3	871	882	NPAETISHVAYR				Mascot

1365.5861	1365.6183	0.0322	24	1452	1461	FCDQMMQHRLR	Carbamidomethyl (C)[2]	Mascot
1388.7202	1388.6914	-0.0288	-21	2930	2941	NTSLHDMKTVVK	Oxidation (M)[7]	Mascot
1434.7079	1434.7445	0.0366	26	2466	2477	QCTELLAVCER	Carbamidomethyl (C)[2]	Mascot
1434.7079	1434.7445	0.0366	26	2466	2477	QCTELLAVCER	Carbamidomethyl (C)[2]	Mascot
1475.8217	1475.73	-0.0917	-62	1963	1975	LGFTPSVTIEQRK		Mascot
1493.7126	1493.7084	-0.0042	-3	1311	1322	LFTMDLNVMEHK	Oxidation (M)[4]	Mascot
1493.7126	1493.7084	-0.0042	-3	1311	1322	LFTMDLNVMEHK	Oxidation (M)[4]	Mascot
1596.7548	1596.7397	-0.0151	-9	2348	2362	NSGNPMATNQVPNPR		Mascot
1596.7548	1596.7397	-0.0151	-9	2348	2362	NSGNPMATNQVPNPR		Mascot
1638.8958	1638.8273	-0.0685	-42	443	455	DILMRMLEVFVLK	Oxidation (M)[4,6]	Mascot
1673.8639	1673.8759	0.012	7	3799	3814	VNTLVAAANSLDNLCR		Mascot
1976.9819	1976.9142	-0.0677	-34	2836	2852	EALVQVELSCPKEMAWK	5 0 Oxidation (M)[14]	Mascot
1976.9819	1976.9142	-0.0677	-34	2836	2852	EALVQVELSCPKEMAWK	Oxidation (M)[14]	Mascot
1998.941	1998.9027	-0.0383	-19	2550	2566	EQAERDAGNQLHMLTNR	Oxidation (M)[13]	Mascot
2211.0745	2211.0671	-0.0074	-3	1075	1094	GMDPLVLIDAIACMAYEE K	Oxidation (M)[2]	Mascot
2283.0981	2283.1355	0.0374	16	3617	3634	EWALHTFPNATDYWTFR K		Mascot
2284.1384	2284.1343	-0.0041	-2	1175	1196	ALLFVMMDLTGEVSNGA VAMAK	Oxidation (M)[6]	Mascot
2367.2312	2367.2139	-0.0173	-7	1844	1864	TCVDPACKYSGHLLLAHII AK	Carbamidomethyl (C)[2,7]	Mascot
2872.5024	2872.343	-0.1594	-55	581	605	LVKYAMQALDIYQVQIAG NGQTYIR	Oxidation (M)[6]	Mascot

18 histone cluster 1, H4-like [Danio rerio] gi|115495857 11344.3 11.36 3 59 94.891 47 99.428

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
989.5778	989.5548	-0.023	-23	61	68 VFLENVIR	47	99.428				Mascot
989.5778	989.5548	-0.023	-23	61	68 VFLENVIR						Mascot
1180.6208	1180.5898	-0.031	-26	47	56 ISGLIYEETR						Mascot
1325.7535	1325.7267	-0.0268	-20	25	36 DNIQGITKPAIR						Mascot

19 PREDICTED: histone H4-like [Danio rerio] gi|326674617 11654.6 11.61 3 59 94.65 47 99.428

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result	Type
989.5778	989.5548	-0.023	-23	61	68 VFLENVIR	47	99.428				Mascot
989.5778	989.5548	-0.023	-23	61	68 VFLENVIR						Mascot
1180.6208	1180.5898	-0.031	-26	47	56 ISGLIYEETR						Mascot

1325.7535 1325.7267 -0.0268 -20 25 36 DNIQGITKPAIR Mascot

20 CTTNBP2 N-terminal-like protein [Danio rerio] gi|116517238 65830.4 6.2 12 46 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.5836	996.5501	-0.0335	-34	520	529	SPGILSPGIR					Mascot
1045.5411	1045.5438	0.0027	3	130	138	VIADLEEEK					Mascot
1103.5004	1103.6367	0.1363	124	352	360	EPEFPAEER					Mascot
1107.631	1107.5178	-0.1132	-102	539	548	FHSPVPVPAKK					Mascot
1112.6786	1112.5265	-0.1521	-137	116	125	LLKQLAAAER					Mascot
1179.5319	1179.58	0.0481	41	104	113	LVMAHCTNMK			Oxidation (M)[3,9]		Mascot
1179.5319	1179.58	0.0481	41	104	113	LVMAHCTNMK			Oxidation (M)[3,9]		Mascot
1201.6284	1201.5876	-0.0408	-34	247	256	AQQIEARTER					Mascot
1320.5663	1320.5581	-0.0082	-6	79	90	DSELSQAQDDGR					Mascot
1493.6909	1493.7084	0.0175	12	104	115	LVMAHCTNMKEK			Carbamidomethyl (C)[6], Oxidation (M)[3,9]		Mascot
1493.6909	1493.7084	0.0175	12	104	115	LVMAHCTNMKEK			Carbamidomethyl (C)[6], Oxidation (M)[3,9]		Mascot
1707.749	1707.7418	-0.0072	-4	142	157	AQDAAAGDDITDMLER			Oxidation (M)[13]		Mascot
1976.8978	1976.9142	0.0164	8	142	159	AQDAAAGDDITDMLERE R					Mascot
1976.8978	1976.9142	0.0164	8	142	159	AQDAAAGDDITDMLERE R					Mascot
1994.1029	1993.9376	-0.1653	-83	509	529	NLAAASSPTGKSPGILSP GIR					Mascot

21 novel protein [Danio rerio] gi|169146109 64501.6 6.3 12 45 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
996.5836	996.5501	-0.0335	-34	508	517	SPGILSPGIR					Mascot
1045.5411	1045.5438	0.0027	3	118	126	VIADLEEEK					Mascot
1103.5004	1103.6367	0.1363	124	340	348	EPEFPAEER					Mascot
1107.631	1107.5178	-0.1132	-102	527	536	FHSPVPVPAKK					Mascot
1112.6786	1112.5265	-0.1521	-137	104	113	LLKQLAAAER					Mascot
1179.5319	1179.58	0.0481	41	92	101	LVMAHCTNMK			Oxidation (M)[3,9]		Mascot
1179.5319	1179.58	0.0481	41	92	101	LVMAHCTNMK			Oxidation (M)[3,9]		Mascot
1201.6284	1201.5876	-0.0408	-34	235	244	AQQIEARTER					Mascot
1320.5663	1320.5581	-0.0082	-6	67	78	DSELSQAQDDGR					Mascot
1493.6909	1493.7084	0.0175	12	92	103	LVMAHCTNMKEK			Carbamidomethyl (C)[6], Oxidation (M)[3,9]		Mascot

	1493.6909	1493.7084	0.0175	12	92	103	LVMAHCTNMKEK					Carbamidomethyl (C)[6], Oxidation (M)[3,9]	Mascot
	1707.749	1707.7418	-0.0072	-4	130	145	AQDAAAGDDITDMLER					Oxidation (M)[13]	Mascot
	1976.8978	1976.9142	0.0164	8	130	147	AQDAAAGDDITDMLERE R						Mascot
	1976.8978	1976.9142	0.0164	8	130	147	AQDAAAGDDITDMLERE R						Mascot
	1994.1029	1993.9376	-0.1653	-83	497	517	NLAAASPTGKSPGILSP GIR						Mascot
22	eukaryotic translation initiation factor 4 gamma, 2 [Danio rerio]					gi 126567349	16939.9	6.67	7	45	0		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
995.5996	995.498	-0.1016	-102	39	47	TTKKPPPAR						Mascot
1003.5604	1003.532	-0.0284	-28	91	98	IILCSLER				Carbamidomethyl (C)[4]		Mascot
1003.5604	1003.532	-0.0284	-28	91	98	IILCSLER				Carbamidomethyl (C)[4]		Mascot
1194.63	1194.5868	-0.0432	-36	1	11	TMIPPSAQPPR						Mascot
1277.7576	1277.6868	-0.0708	-55	42	52	KPPPAR EELLK						Mascot
1388.8036	1388.6914	-0.1122	-81	139	150	IEVDIPLVKSYL						Mascot
1596.7687	1596.7397	-0.029	-18	53	65	MTENIVTEYLNNR						Mascot
1596.7687	1596.7397	-0.029	-18	53	65	MTENIVTEYLNNR						Mascot
2225.1118	2225.0811	-0.0307	-14	48	65	EELLKMTENIVTEYLNNR				Oxidation (M)[6]		Mascot

23 endoribonuclease Dicer [Danio rerio] gi|238814324 210682.5 5.14 22 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
807.4247	807.3853	-0.0394	-49	280	286	DPTFISK						Mascot
842.5458	842.4924	-0.0534	-63	567	573	AIEKILR						Mascot
882.4791	882.5476	0.0685	78	70	76	ELSHQIR						Mascot
1096.5568	1096.5802	0.0234	21	1332	1340	KVSNCNL YR						Mascot
1103.5844	1103.6367	0.0523	47	1008	1016	AKWESLQNK						Mascot
1109.5837	1109.4674	-0.1163	-105	555	563	TKTFQEDLK						Mascot
1165.45	1165.5636	0.1136	97	200	208	CDPCDLEEK				Carbamidomethyl (C)[1,4]		Mascot
1180.5779	1180.5898	0.0119	10	477	485	NKQMEVEFR						Mascot
1234.4979	1234.656	0.1581	128	1591	1600	CMFEHPDAER						Mascot
1234.4979	1234.656	0.1581	128	1591	1600	CMFEHPDAER						Mascot
1300.65	1300.569	-0.081	-62	663	674	VPVTGPVMNCAR				Carbamidomethyl (C)[10]		Mascot
1305.6243	1305.7136	0.0893	68	1799	1809	ELLEMEPETAK				Oxidation (M)[5]		Mascot

1316.6449	1316.5417	-0.1032	-78	663	674	VPVTGPVMNCAR	Carbamidomethyl (C)[10], Oxidation (M)[8]	Mascot
1320.7344	1320.5581	-0.1763	-133	1554	1565	AAQLFLCSLGLK	Carbamidomethyl (C)[7]	Mascot
1323.6837	1323.6461	-0.0376	-28	1333	1343	VSNCNLYRLGK	Carbamidomethyl (C)[4]	Mascot
1325.546	1325.7267	0.1807	136	1723	1733	NEMQGMDSCLR	Oxidation (M)[3]	Mascot
1340.6917	1340.6548	-0.0369	-28	1854	1865	SLKANQPQVQNN		Mascot
1357.7838	1357.6906	-0.0932	-69	651	662	STLFLPINSPLR		Mascot
1358.6191	1358.6842	0.0651	48	639	650	CKTVEMNTGGYR		Mascot
1638.7107	1638.8273	0.1166	71	174	187	EIMKICEGPCSCPR	Carbamidomethyl (C)[6], Oxidation (M)[3]	Mascot
1976.9634	1976.9142	-0.0492	-25	1799	1815	ELLEMEPETAKFSPAER		Mascot
1976.9634	1976.9142	-0.0492	-25	1799	1815	ELLEMEPETAKFSPAER		Mascot
2128.1406	2127.9717	-0.1689	-79	294	313	AVLTVLGPWCADKAAGI MVR	Carbamidomethyl (C)[10]	Mascot
2211.1379	2211.0671	-0.0708	-32	155	173	INLLVFDECHLAITGHPYR		Mascot
2284.2998	2284.1343	-0.1655	-72	1017	1036	QILVPELCAIHIPASLWR K		Mascot

24 novel protein similar to vertebrate EPH receptor B2 (EPHB2) (zgc:112296) [Danio rerio] gi|122891188 110778.1 5.33 9 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
989.5374	989.5548	0.0174	18	491	499	SQTNTAVIR	14	0			Mascot
989.5374	989.5548	0.0174	18	491	499	SQTNTAVIR					Mascot
1033.4917	1033.4958	0.0041	4	289	297	CLQCPINSR					Mascot
1090.5132	1090.5095	-0.0037	-3	289	297	CLQCPINSR			Carbamidomethyl (C)[1]		Mascot
1107.5649	1107.5178	-0.0471	-43	970	978	ILNSVQMMR			Oxidation (M)[7]		Mascot
1179.6805	1179.58	-0.1005	-85	650	659	EMFVAIKTLK					Mascot
1179.6805	1179.58	-0.1005	-85	650	659	EMFVAIKTLK					Mascot
1234.6215	1234.656	0.0345	28	795	804	WTAPEAIQYR					Mascot
1234.6215	1234.656	0.0345	28	795	804	WTAPEAIQYR	12	0			Mascot
1323.6473	1323.6461	-0.0012	-1	95	105	FSVRDCSSIPR			Carbamidomethyl (C)[6]		Mascot
2127.9666	2127.9717	0.0051	2	61	77	TYQVCNVFDANQNNWV R			Carbamidomethyl (C)[5]		Mascot
2225.0518	2225.0811	0.0293	13	175	194	NGFYLAFAQDYGGCMSLI AVR					Mascot
2367.1465	2367.2139	0.0674	28	970	989	ILNSVQMMRAQMNQIQS VEV			Oxidation (M)[7,8,12]		Mascot

25 Gfap protein [Danio rerio] gi|124504410 51101 5.34 11 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
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		850.4265	850.5274	0.1009	119	434	440	ESTTERK									Mascot
		1090.531	1090.5095	-0.0215	-20	320	327	QLREMEER									Mascot
		1096.4762	1096.5802	0.104	95	82	90	VEMMGLNDR			Oxidation (M)[3,4]						Mascot
		1112.6099	1112.5265	-0.0834	-75	91	99	FASYIEKVR									Mascot
		1118.5762	1118.4894	-0.0868	-78	342	350	LEDEIQMLK									Mascot
		1277.71	1277.6868	-0.0232	-18	368	378	LALDIEIATYR									Mascot
		1308.6543	1308.6348	-0.0195	-15	270	281	SKFADLTDAANR									Mascot
		1308.6543	1308.6348	-0.0195	-15	270	281	SKFADLTDAANR									Mascot
		1335.6288	1335.6609	0.0321	24	174	184	QEAENNLNTR									Mascot
		1434.756	1434.7445	-0.0115	-8	28	40	HSTGRSLHSSPR									Mascot
		1434.756	1434.7445	-0.0115	-8	28	40	HSTGRSLHSSPR									Mascot
		1475.7522	1475.73	-0.0222	-15	299	311	QIQGLTCDLESLR									Mascot
		2366.9653	2367.2139	0.2486	105	251	269	AQFEAMANSNMQETEE WYR			Oxidation (M)[6,11]						Mascot
26	PREDICTED: tRNA-dihydrouridine synthase 2-like [Danio rerio]						gi 292628574	56676.6	6.04	12	42	0					
Peptide Information																	
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification		Rank	Result	Type		
		842.473	842.4924	0.0194	23	436	443	TLGLPEGR									Mascot
		989.5447	989.5548	0.0101	10	152	160	GISKPVTK			Carbamidomethyl (C)[8]						Mascot
		989.5447	989.5548	0.0101	10	152	160	GISKPVTK			Carbamidomethyl (C)[8]						Mascot
		1045.4628	1045.5438	0.081	77	288	295	YCLCQMLR			Oxidation (M)[6]						Mascot
		1051.6007	1051.6914	0.0907	86	180	190	TGVAIAIVHGR									Mascot
		1103.5626	1103.6367	0.0741	67	494	504	VVNGVCGQTAR									Mascot
		1112.5007	1112.5265	0.0258	23	279	287	YDNNPFNTK									Mascot
		1194.5724	1194.5868	0.0144	12	249	258	AAMWNPSVFR			Oxidation (M)[3]						Mascot
		1201.7085	1201.5876	-0.1209	-101	152	162	GISKPVTKIR									Mascot
		1277.6041	1277.6868	0.0827	65	129	141	GGMGSALLSDPEK			Oxidation (M)[3]						Mascot
		1300.5959	1300.569	-0.0269	-21	288	297	YCLCQMLRDR									Mascot
		1316.5908	1316.5417	-0.0491	-37	288	297	YCLCQMLRDR			Oxidation (M)[6]						Mascot
		1357.6173	1357.6906	0.0733	54	288	297	YCLCQMLRDR			Carbamidomethyl (C)[2]						Mascot
		1365.6467	1365.6183	-0.0284	-21	89	100	VVFQMGTDAPER			Oxidation (M)[5]						Mascot
		2384.1484	2383.9133	-0.2351	-99	237	258	ESTGASSVMLARAAMWN PSVFR			Oxidation (M)[9]						Mascot
27	solute carrier family 27 (fatty acid transporter), member 6 [Danio rerio]						gi 116517266	52964.1	8.67	11	42	0					

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
850.4669	850.5274	0.0605	71	94	100 LFQDTVK					Mascot
989.6141	989.5548	-0.0593	-60	447	454 ILRDVFK					Mascot
989.6141	989.5548	-0.0593	-60	447	454 ILRDVFK					Mascot
1033.4269	1033.4958	0.0689	67	407	414 DHNGFCQR			Carbamidomethyl (C)[6]		Mascot
1103.5383	1103.6367	0.0984	89	21	28 LCFPYFWK					Mascot
1112.6099	1112.5265	-0.0834	-75	39	47 YGARLEIYK					Mascot
1180.7048	1180.5898	-0.115	-97	232	242 AAVITHLQSLK					Mascot
1300.7107	1300.569	-0.1417	-109	196	207 IEKSSQEPIAAK					Mascot
1358.7214	1358.6842	-0.0372	-27	376	387 IGAVGRSNFFYK					Mascot
1388.6488	1388.6914	0.0426	31	407	417 DHNGFCQRVQK			Carbamidomethyl (C)[6]		Mascot
1434.7773	1434.7445	-0.0328	-23	125	137 LGCALAFLNTNIK			Carbamidomethyl (C)[3]		Mascot
1434.7773	1434.7445	-0.0328	-23	125	137 LGCALAFLNTNIK			Carbamidomethyl (C)[3]		Mascot
2366.9968	2367.2139	0.2171	92	450	470 DVFVKGDYFNTGDLMA EDED			Oxidation (M)[16]		Mascot
28	DNA replication licensing factor Mcm5 [Danio rerio]				gi 22347793	79099.5	6.88	13	41	0 8 0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
995.5421	995.498	-0.0441	-44	38	44 EFLRQFR					Mascot
1033.5636	1033.4958	-0.0678	-66	140	148 SLKSEQVSR					Mascot
1037.4801	1037.5089	0.0288	28	169	177 VCLQCRGCR					Mascot
1045.6	1045.5438	-0.0562	-54	143	151 SEQVSRLVK					Mascot
1107.5979	1107.5178	-0.0801	-72	354	364 AIACLLFGGSR					Mascot
1173.6045	1173.6045	0	0	572	583 CGPRLSAAAAEK					Mascot
1173.6045	1173.6045	0	0	572	583 CGPRLSAAAAEK					Mascot
1365.6896	1365.6183	-0.0713	-52	340	352 SLAPSIYGSDDLK					Mascot
1434.7086	1434.7445	0.0359	25	208	219 CPVDPYFIIPDR					Mascot
1434.7086	1434.7445	0.0359	25	208	219 CPVDPYFIIPDR	8		0		Mascot
1493.7845	1493.7084	-0.0761	-51	340	353 SLAPSIYGSDDLKK					Mascot
1493.7845	1493.7084	-0.0761	-51	340	353 SLAPSIYGSDDLKK					Mascot
1638.7401	1638.8273	0.0872	53	524	536 DHHDQQRDMTLAR			Oxidation (M)[9]		Mascot
1977.0076	1976.9142	-0.0934	-47	685	702 FAIGSQVSEHSIIQDFAK					Mascot
1977.0076	1976.9142	-0.0934	-47	685	702 FAIGSQVSEHSIIQDFAK					Mascot

2233.1611	2233.0374	-0.1237	-55	685	704	FAIGSQVSEHSIIQDFAKQ K	Mascot
2284.1238	2284.1343	0.0105	5	454	473	EDDRVAIHEAMEQQTISI AK	Mascot

29 PREDICTED: ankyrin repeat domain-containing protein gi|326669621 312386 6.8 25 41 0
11 [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
850.4516	850.5274	0.0758	89	511	518	DSSTLSLK				Mascot
882.4791	882.5476	0.0685	78	2605	2611	LQHSIER				Mascot
989.5625	989.5548	-0.0077	-8	1666	1675	KTGSVDAALK				Mascot
989.5625	989.5548	-0.0077	-8	1666	1675	KTGSVDAALK				Mascot
995.5198	995.498	-0.0218	-22	2689	2696	MKTCLLMR				Mascot
996.5472	996.5501	0.0029	3	434	442	QPAPQTNIK				Mascot
1003.557	1003.532	-0.025	-25	1824	1831	RPLDVEFK				Mascot
1003.557	1003.532	-0.025	-25	1824	1831	RPLDVEFK				Mascot
1033.5095	1033.4958	-0.0137	-13	2427	2435	AQMLANQNK		Oxidation (M)[3]		Mascot
1045.5636	1045.5438	-0.0198	-19	920	928	RPEKETASK				Mascot
1096.4476	1096.5802	0.1326	121	257	266	YGGDPCQSNR				Mascot
1103.5367	1103.6367	0.1	91	724	732	SEDKDWPVK				Mascot
1107.5251	1107.5178	-0.0073	-7	2001	2009	KAWLECSDR				Mascot
1118.6051	1118.4894	-0.1157	-103	1667	1677	TGSVDAALKEK				Mascot
1194.5306	1194.5868	0.0562	47	1017	1026	DKPESETTCK		Carbamidomethyl (C)[9]		Mascot
1300.6743	1300.569	-0.1053	-81	187	198	ELINEGADVNVK				Mascot
1302.7263	1302.6896	-0.0367	-28	891	901	LIVETVKEESR				Mascot
1335.6548	1335.6609	0.0061	5	95	107	SGLPFGMGMPGIR		Oxidation (M)[7]		Mascot
1357.6958	1357.6906	-0.0052	-4	1065	1075	NLDQEKEKPEK				Mascot
1358.6985	1358.6842	-0.0143	-11	334	346	GMDPPKSTTTPVK				Mascot
1383.6387	1383.6626	0.0239	17	1343	1354	NSEISLDSFTDR				Mascot
1460.7227	1460.7727	0.05	34	690	702	SLIVETESPSENR				Mascot
1493.7271	1493.7084	-0.0187	-13	2674	2685	QFISWIQDVDDK				Mascot
1493.7271	1493.7084	-0.0187	-13	2674	2685	QFISWIQDVDDK				Mascot
1998.8597	1998.9027	0.043	22	1192	1208	KDSTPDIDEMDNFQTDK				Mascot
2128.0186	2127.9717	-0.0469	-22	561	580	TVSSPTMSDVSSLSDSV RTR		Oxidation (M)[7]		Mascot
2225.084	2225.0811	-0.0029	-1	95	115	SGLPFGMGMPGIRAGYP LSER		Oxidation (M)[7,9]		Mascot
2872.3682	2872.343	-0.0252	-9	187	212	ELINEGADVNVKDFAGW TALHEACNR				Mascot

30 DNA replication licensing factor MCM5 [Danio rerio] gi|46358340 81720 8.34 13 41 0 8 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
995.5421	995.498	-0.0441	-44	38	44 EFLRQFR					Mascot
1033.5636	1033.4958	-0.0678	-66	140	148 SLKSEQVSR					Mascot
1037.4801	1037.5089	0.0288	28	169	177 VCLQCRGCR					Mascot
1045.6	1045.5438	-0.0562	-54	143	151 SEQVSRLVK					Mascot
1107.5979	1107.5178	-0.0801	-72	354	364 AIACLLFGGSR					Mascot
1173.6045	1173.6045	0	0	572	583 CGPRLSAAAAEK					Mascot
1173.6045	1173.6045	0	0	572	583 CGPRLSAAAAEK					Mascot
1365.6896	1365.6183	-0.0713	-52	340	352 SLAPSIYGSDDLK					Mascot
1434.7086	1434.7445	0.0359	25	208	219 CPVDPYFIIPDR					Mascot
1434.7086	1434.7445	0.0359	25	208	219 CPVDPYFIIPDR	8	0			Mascot
1493.7845	1493.7084	-0.0761	-51	340	353 SLAPSIYGSDDLKK					Mascot
1493.7845	1493.7084	-0.0761	-51	340	353 SLAPSIYGSDDLKK					Mascot
1638.7401	1638.8273	0.0872	53	524	536 DHHDQQRDMTLAR			Oxidation (M)[9]		Mascot
1977.0076	1976.9142	-0.0934	-47	685	702 FAIGSQVSEHSIIQDFAK					Mascot
1977.0076	1976.9142	-0.0934	-47	685	702 FAIGSQVSEHSIIQDFAK					Mascot
2233.1611	2233.0374	-0.1237	-55	685	704 FAIGSQVSEHSIIQDFAKQ K					Mascot
2284.1238	2284.1343	0.0105	5	454	473 EDDRVAIHEAMEQQTISI AK					Mascot

31 RecName: Full=Glial fibrillary acidic protein;
Short=GFAP

gi|150383441 51218 5.34 11 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
850.4265	850.5274	0.1009	119	435	441 ESTTERK					Mascot
1090.531	1090.5095	-0.0215	-20	321	328 QLREMEER					Mascot
1096.4762	1096.5802	0.104	95	83	91 VEMMGLNDR			Oxidation (M)[3,4]		Mascot
1112.6099	1112.5265	-0.0834	-75	92	100 FASYIEKVR					Mascot
1118.5762	1118.4894	-0.0868	-78	343	351 LEDEIQMLK					Mascot
1277.71	1277.6868	-0.0232	-18	369	379 LALDIEIATYR					Mascot
1308.6543	1308.6348	-0.0195	-15	271	282 SKFADLTDAANR					Mascot
1308.6543	1308.6348	-0.0195	-15	271	282 SKFADLTDAANR					Mascot
1335.6288	1335.6609	0.0321	24	175	185 QEAENNLNTR					Mascot

1434.756	1434.7445	-0.0115	-8	29	41	HSTGRSLSHSSPR	Mascot
1434.756	1434.7445	-0.0115	-8	29	41	HSTGRSLSHSSPR	Mascot
1475.7522	1475.73	-0.0222	-15	300	312	QIQGLTCDLESLR	Mascot
2366.9653	2367.2139	0.2486	105	252	270	AQFEAMANSNMQETEE WYR	Mascot

Oxidation (M)[6,11]

32 MCM5 minichromosome maintenance deficient 5 (S. cerevisiae) [Danio rerio] gi|27882312 81732.9 8.05 13 40 0 8 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
995.5421	995.498	-0.0441	-44	38	44	EFLRQFR					Mascot
1033.5636	1033.4958	-0.0678	-66	140	148	SLKSEQVSR					Mascot
1037.4801	1037.5089	0.0288	28	169	177	VCLQCRGCR					Mascot
1045.6	1045.5438	-0.0562	-54	143	151	SEQVSRLVK					Mascot
1107.5979	1107.5178	-0.0801	-72	354	364	AIACLLFGGSR					Mascot
1173.6045	1173.6045	0	0	572	583	CGPRLSAAAAEK					Mascot
1173.6045	1173.6045	0	0	572	583	CGPRLSAAAAEK					Mascot
1365.6896	1365.6183	-0.0713	-52	340	352	SLAPSIYGSDDLK					Mascot
1434.7086	1434.7445	0.0359	25	208	219	CPVDPYFIIPDR					Mascot
1434.7086	1434.7445	0.0359	25	208	219	CPVDPYFIIPDR	8	0			Mascot
1493.7845	1493.7084	-0.0761	-51	340	353	SLAPSIYGSDDLKK					Mascot
1493.7845	1493.7084	-0.0761	-51	340	353	SLAPSIYGSDDLKK					Mascot
1638.7401	1638.8273	0.0872	53	524	536	DHHDQQRDMTLAR			Oxidation (M)[9]		Mascot
1977.0076	1976.9142	-0.0934	-47	685	702	FAIGSQVSEHSIIQDFAK					Mascot
1977.0076	1976.9142	-0.0934	-47	685	702	FAIGSQVSEHSIIQDFAK					Mascot
2233.1611	2233.0374	-0.1237	-55	685	704	FAIGSQVSEHSIIQDFAKQ K					Mascot
2284.1238	2284.1343	0.0105	5	454	473	EDDRVAIHEAMEQQTISI AK					Mascot

33 PREDICTED: suppressor of tumorigenicity 14 protein-like [Danio rerio] gi|326679664 80911.3 8.4 15 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4893	850.5274	0.0381	45	129	136	VPSGHVVR					Mascot
995.3896	995.498	0.1084	109	404	411	CYHMC PNK					Mascot
1037.4866	1037.5089	0.0223	21	450	458	CASGKCLNK			Carbamidomethyl (C)[1,6]		Mascot
1090.5752	1090.5095	-0.0657	-60	707	715	QNRPGVYTR					Mascot

1109.4966	1109.4674	-0.0292	-26	417	427	ASVCDGIVDCK							Mascot
1118.5259	1118.4894	-0.0365	-33	289	298	LCNPIGDSSR				Carbamidomethyl (C)[2]			Mascot
1173.5292	1173.6045	0.0753	64	546	554	SWRAYMGMR				Oxidation (M)[6]			Mascot
1173.5292	1173.6045	0.0753	64	546	554	SWRAYMGMR				Oxidation (M)[6]			Mascot
1194.5055	1194.5868	0.0813	68	468	477	DCKDGSDELK				Carbamidomethyl (C)[2]			Mascot
1300.6896	1300.569	-0.1206	-93	20	31	FSAPPAIAEELR							Mascot
1302.6146	1302.6896	0.075	58	438	449	AFSKGCSPSSFK				Carbamidomethyl (C)[6]			Mascot
1305.5529	1305.7136	0.1607	123	53	61	NEERYMYER				Oxidation (M)[7]			Mascot
1383.5264	1383.6626	0.1362	98	351	362	VCDGDKDCSDGR				Carbamidomethyl (C)[2,8]			Mascot
1475.7385	1475.73	-0.0085	-6	172	185	WCGPLSGTSPVMK							Mascot
1596.7153	1596.7397	0.0244	15	404	416	CYHMCPNKLQK				Oxidation (M)[4]			Mascot
1596.7153	1596.7397	0.0244	15	404	416	CYHMCPNKLQK				Oxidation (M)[4]			Mascot
1976.9688	1976.9142	-0.0546	-28	320	336	GFYLIYRAFSPESACPR							Mascot
1976.9688	1976.9142	-0.0546	-28	320	336	GFYLIYRAFSPESACPR							Mascot

34 39S ribosomal protein L17, mitochondrial [Danio rerio] gi|52219200 19088.2 9.81 8 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.5032	850.5274	0.0242	28	59	65	LIDYAKK						Mascot
995.5229	995.498	-0.0249	-25	119	127	AAMAVLEYK						Mascot
1037.4568	1037.5089	0.0521	50	158	166	AQMATEKQD				Oxidation (M)[3]		Mascot
1179.6521	1179.58	-0.0721	-61	128	138	GNPFPLNPVK						Mascot
1179.6521	1179.58	-0.0721	-61	128	138	GNPFPLNPVK						Mascot
1180.5514	1180.5898	0.0384	33	155	164	EEKAQMATEK				Oxidation (M)[6]		Mascot
1335.7532	1335.6609	-0.0923	-69	128	139	GNPFPLNPVKR						Mascot
1638.8156	1638.8273	0.0117	7	114	127	ENLDRAAMAVLEYK				Oxidation (M)[8]		Mascot
1998.9449	1998.9027	-0.0422	-21	97	113	FENQTAGYTNNMARLPNR				Oxidation (M)[11]		Mascot

35 histone acetyltransferase type B catalytic subunit [Danio rerio] gi|52218998 47819.9 5.54 6 40 0 19 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
989.6141	989.5548	-0.0593	-60	274	281	LRDFVLVK	19	0				Mascot
989.6141	989.5548	-0.0593	-60	274	281	LRDFVLVK						Mascot
1109.4966	1109.4674	-0.0292	-26	16	25	CDTNEAICLK						Mascot
1308.6868	1308.6348	-0.052	-40	282	293	LCLTLPSFASEK						Mascot

	1308.6868	1308.6348	-0.052	-40	282	293	LCLTLPSFASEK											Mascot
	1365.7083	1365.6183	-0.09	-66	282	293	LCLTLPSFASEK						Carbamidomethyl (C)[2]					Mascot
	1707.7908	1707.7418	-0.049	-29	153	166	VDISCPGFREYHER											Mascot
	1976.9923	1976.9142	-0.0781	-40	259	275	VQDITAEDPSENYVKLR											Mascot
	1976.9923	1976.9142	-0.0781	-40	259	275	VQDITAEDPSENYVKLR											Mascot
	2888.3804	2888.3442	-0.0362	-13	282	307	LCLTLPSFASEKLSQGFS EEMASEAR						Carbamidomethyl (C)[2]					Mascot
36	PREDICTED: hypothetical protein LOC100149090 [Danio rerio]				gi 189525019	121743.1	9.85	16	40	0	14	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4753	882.5476	0.0723	82	366	372	MLESFKK					Mascot
1118.6238	1118.4894	-0.1344	-120	431	440	MTDNLKVAVK					Mascot
1179.6116	1179.58	-0.0316	-27	853	863	SGGFLNETKAR					Mascot
1179.6116	1179.58	-0.0316	-27	853	863	SGGFLNETKAR					Mascot
1180.5269	1180.5898	0.0629	53	232	241	EDHYFDGGLK					Mascot
1193.6234	1193.5941	-0.0293	-25	902	912	LIDFGCGDLLK					Mascot
1201.4725	1201.5876	0.1151	96	967	976	MNSSCWSSSR			Carbamidomethyl (C)[5]		Mascot
1234.595	1234.656	0.061	49	298	307	EESFVEEPLR					Mascot
1234.595	1234.656	0.061	49	298	307	EESFVEEPLR					Mascot
1300.5891	1300.569	-0.0201	-15	285	293	MYFDWRPNR			Oxidation (M)[1]		Mascot
1302.6801	1302.6896	0.0095	7	218	228	RGEIFGEEPLR					Mascot
1308.6218	1308.6348	0.013	10	231	241	KEDHYFDGGLK					Mascot
1308.6218	1308.6348	0.013	10	231	241	KEDHYFDGGLK					Mascot
1320.5814	1320.5581	-0.0233	-18	271	281	REEGFDEGPER					Mascot
1357.6594	1357.6906	0.0312	23	85	96	IEDGLDEGPERK					Mascot
1358.6521	1358.6842	0.0321	24	202	211	YEYLECLNRR					Mascot
1977.0396	1976.9142	-0.1254	-63	714	731	NLLQPITVEMVSALSSMK	14	0	Oxidation (M)[10]		Mascot
1977.0396	1976.9142	-0.1254	-63	714	731	NLLQPITVEMVSALSSMK			Oxidation (M)[10]		Mascot
2225.0955	2225.0811	-0.0144	-6	550	567	NMRMTGNIDFVLLWTQN R			Oxidation (M)[2]		Mascot
2283.0056	2283.1355	0.1299	57	354	371	EESVVEHPMWRMLESF K			Oxidation (M)[10,13]		Mascot

37	novel protein [Danio rerio]				gi 169146110	25865.2	5.07	8	40	0								
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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1045.5411	1045.5438	0.0027	3	99	107	VIADLEEEK							Mascot
1112.6786	1112.5265	-0.1521	-137	85	94	LLKQLAAAEER							Mascot
1179.5319	1179.58	0.0481	41	73	82	LVMAHCTNMK				Oxidation (M)[3,9]			Mascot
1179.5319	1179.58	0.0481	41	73	82	LVMAHCTNMK				Oxidation (M)[3,9]			Mascot
1201.6284	1201.5876	-0.0408	-34	216	225	AQQIEARTER							Mascot
1320.5663	1320.5581	-0.0082	-6	48	59	DSELSQAQDDGR							Mascot
1493.6909	1493.7084	0.0175	12	73	84	LVMAHCTNMKEK				Carbamidomethyl (C)[6], Oxidation (M)[3,9]			Mascot
1493.6909	1493.7084	0.0175	12	73	84	LVMAHCTNMKEK				Carbamidomethyl (C)[6], Oxidation (M)[3,9]			Mascot
1707.749	1707.7418	-0.0072	-4	111	126	AQDAAAGDDITDMLER				Oxidation (M)[13]			Mascot
1976.8978	1976.9142	0.0164	8	111	128	AQDAAAGDDITDMLERE R							Mascot
1976.8978	1976.9142	0.0164	8	111	128	AQDAAAGDDITDMLERE R							Mascot

38 PREDICTED: disco-interacting protein 2 homolog C [Danio rerio] gi|189536803 170745 7.39 16 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.4471	807.3853	-0.0618	-77	1285	1291	DLGLHPR					Mascot
882.4501	882.5476	0.0975	110	581	587	VCQYKGK			Carbamidomethyl (C)[2]		Mascot
996.4852	996.5501	0.0649	65	1014	1021	IATMLMER			Oxidation (M)[4,6]		Mascot
1045.5887	1045.5438	-0.0449	-43	1242	1251	GLGLQTESLK					Mascot
1096.5126	1096.5802	0.0676	62	793	802	MDGLMVVSGR			Oxidation (M)[1,5]		Mascot
1103.6055	1103.6367	0.0312	28	504	514	DGSVLGVTVTR					Mascot
1165.567	1165.5636	-0.0034	-3	1166	1174	LQCELYPSR			Carbamidomethyl (C)[3]		Mascot
1165.567	1165.7239	0.1569	135	1166	1174	LQCELYPSR			Carbamidomethyl (C)[3]		Mascot
1234.6022	1234.656	0.0538	44	1423	1433	RTELTASGER					Mascot
1234.6022	1234.656	0.0538	44	1423	1433	RTELTASGER	6	0			Mascot
1308.665	1308.6348	-0.0302	-23	1011	1021	AEKIATMLMER			Oxidation (M)[7]		Mascot
1308.665	1308.6348	-0.0302	-23	1011	1021	AEKIATMLMER			Oxidation (M)[7]		Mascot
1316.6917	1316.5417	-0.15	-114	605	615	DQRDINLSSLR					Mascot
1493.7781	1493.7084	-0.0697	-47	1163	1174	SIKLQCELYPSR			Carbamidomethyl (C)[6]		Mascot
1493.7781	1493.7084	-0.0697	-47	1163	1174	SIKLQCELYPSR			Carbamidomethyl (C)[6]		Mascot
1596.7621	1596.7397	-0.0224	-14	1152	1165	MSHTATSAFCRSIK			Carbamidomethyl (C)[10]		Mascot
1596.7621	1596.7397	-0.0224	-14	1152	1165	MSHTATSAFCRSIK			Carbamidomethyl (C)[10]		Mascot
2128.0811	2127.9717	-0.1094	-51	1074	1092	MIVEVSRSAVMTTQIISK			Oxidation (M)[1,12]		Mascot
2211.1074	2211.0671	-0.0403	-18	676	695	GVLSMQGLSYGVIRVDS			Oxidation (M)[5]		Mascot

		2283.092	2283.1355	0.0435	19	236	257	EER YGNAELMETGDGVPVSS RVSAK		Oxidation (M)[7]		Mascot	
		2872.3645	2872.343	-0.0215	-7	616	641	MLVVADGSNPWSISSCD AFLNVFQSK		Carbamidomethyl (C)[16]		Mascot	
		2888.3594	2888.3442	-0.0152	-5	616	641	MLVVADGSNPWSISSCD AFLNVFQSK		Carbamidomethyl (C)[16], Oxidation (M)[1]		Mascot	
39	PREDICTED: voltage-dependent L-type calcium channel subunit alpha-1F-like [Danio rerio]						gij326670278	229246.9	5.61	1	27	39.78	
Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification	Rank Result Type
		1234.6976	1234.656	-0.0416	-34	913	923	SVIQCVFVAIR		27	39.78		1 Mascot
40	Ccdc101 protein [Danio rerio]						gij201090170	33213	8.21	1	26	25.228	
Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification	Rank Result Type
		1234.5732	1234.656	0.0828	67	68	78	ADAEAECSILR		26	25.228	Carbamidomethyl (C)[7]	2 Mascot
41	PREDICTED: guanine nucleotide-binding protein subunit alpha-15-like [Danio rerio]						gij326678594	43175	8.7	1	25	0	
Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification	Rank Result Type
		1234.6902	1234.656	-0.0342	-28	128	137	LQRSYVEAIR		25	0		3 Mascot
42	PREDICTED: zinc finger protein 618 [Danio rerio]						gij326668299	93606.8	7.47	1	22	0	
Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification	Rank Result Type
		1234.6348	1234.656	0.0212	17	395	406	EALGDMSSLALK		22	0		4 Mascot
43	PREDICTED: tyrosine-protein kinase Mer [Danio rerio]						gij326673150	133520.5	5.76	1	21	0	
Peptide Information													
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence		Ion Score	C. I. %	Modification	Rank Result Type
		989.5447	989.5548	0.0101	10	667	674	LQDVMIVR		21	0	Oxidation (M)[5]	2 Mascot
44	tubulin--tyrosine ligase-like protein 12 [Danio rerio]						gij41053788	73163.3	4.98	1	20	0	

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	1234.5546	1234.656	0.1014	82	2	12 QNGSVNTEEEK		20	0		5 Mascot
45	LOC570454 protein [Danio rerio]					gi 156230358	81395.7	9.83	1	20	0
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	1234.679	1234.656	-0.023	-19	547	556 KDLEFQSVLR		20	0		6 Mascot
46	PREDICTED: retrotransposable element Tf2 155 kDa protein type 1-like [Danio rerio]					gi 326673727	159286.3	9.53	1	19	0
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	1596.653	1596.7397	0.0867	54	837	849 LSSCECNYPHVGDR		19	0	Carbamidomethyl (C)[4,6]	2 Mascot
47	PREDICTED: ankyrin repeat domain-containing protein 46-like [Danio rerio]					gi 292625777	25074.7	5.92	1	19	0
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	1434.7158	1434.7445	0.0287	20	30	41 RLLESGFDPNMR		19	0		1 Mascot
48	PREDICTED: glucose-6-phosphate 1-dehydrogenase [Danio rerio]					gi 292626918	59657.3	6.39	1	19	0
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	989.5261	989.5548	0.0287	29	81	89 SDLTVDAIR		19	0		4 Mascot
49	RecName: Full=Protein misato homolog 1					gi 123888190	64882.9	5.08	1	18	0
Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification	Rank Result Type
	1234.5732	1234.656	0.0828	67	406	416 SLSACPEISDR		18	0	Carbamidomethyl (C)[5]	8 Mascot
50	rho-associated, coiled-coil containing protein kinase 2b [Danio rerio]					gi 148226029	162077.2	5.8	1	16	0

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1003.5167	1003.532	0.0153	15	1102	1109 DSDIERLR	18	0		1	Mascot
Gel Idx/Pos 270/K22					Instr./Gel Origin BA2060/110707A			Process Status		
Plate [#] Name [1] 31496					Instrument Sample Name			Spectra		
Analysis Succeeded					11					
Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %	
1	hypothetical protein LOC678536 [Danio rerio]	gil160420306	148750.2	8.89	25	786	100	677	100	
Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
821.4628	821.4509	-0.0119	-14	545	551 ALHPEVR					Mascot
890.5094	890.4976	-0.0118	-13	425	432 FSTVPALR					Mascot
1023.5105	1023.4974	-0.0131	-13	195	203 DVGLAYTER					Mascot
1044.4528	1044.4392	-0.0136	-13	184	191 DLSHCQER			Carbamidomethyl (C)[5]		Mascot
1070.4861	1070.4707	-0.0154	-14	921	929 NIEDHSAER					Mascot
1097.6677	1097.6544	-0.0133	-12	514	523 VQVDAILALR					Mascot
1097.6677	1097.6544	-0.0133	-12	514	523 VQVDAILALR	89	100			Mascot
1115.6935	1115.6783	-0.0152	-14	333	341 FVQLVQLLR	71	99.998			Mascot
1115.6935	1115.6783	-0.0152	-14	333	341 FVQLVQLLR					Mascot
1121.599	1121.5836	-0.0154	-14	348	356 IEAIWSQFK					Mascot
1187.6631	1187.6013	-0.0618	-52	1057	1066 LREILDTEAK					Mascot
1215.6005	1215.5856	-0.0149	-12	164	173 THYVINEDPK					Mascot
1259.5797	1259.5645	-0.0152	-12	182	191 SKDLSHCQER			Carbamidomethyl (C)[7]		Mascot
1379.7351	1379.7249	-0.0102	-7	433	445 EVAMLGYGSLIAR					Mascot
1382.7889	1382.7667	-0.0222	-16	303	315 ISDAPAQIVEVLK					Mascot
1395.73	1395.7166	-0.0134	-10	433	445 EVAMLGYGSLIAR			Oxidation (M)[4]		Mascot
1477.91	1477.8926	-0.0174	-12	532	544 LVQPIALQLVLDR					Mascot
1477.91	1477.8926	-0.0174	-12	532	544 LVQPIALQLVLDR	65	99.992			Mascot
1515.7478	1515.7296	-0.0182	-12	733	745 VFGQEVAYVNFDK					Mascot
1608.838	1608.8176	-0.0204	-13	668	683 AYLAGAAADVVEFGVR					Mascot
1608.838	1608.8176	-0.0204	-13	668	683 AYLAGAAADVVEFGVR	138	100			Mascot
1666.8767	1666.8589	-0.0178	-11	483	498 VMGNAGHPSSLKPIMK					Mascot

	1695.8999	1695.8778	-0.0221	-13	119	134	VFAPAGVSPTVMNLHR												Mascot
	1699.9377	1699.9154	-0.0223	-13	34	49	YEALLLGGLPQEGLAR												Mascot
	1699.9377	1699.9154	-0.0223	-13	34	49	YEALLLGGLPQEGLAR	70	99.997										Mascot
	1711.8948	1711.8741	-0.0207	-12	119	134	VFAPAGVSPTVMNLHR	3	0	Oxidation (M)[12]									Mascot
	1711.8948	1711.8741	-0.0207	-12	119	134	VFAPAGVSPTVMNLHR			Oxidation (M)[12]									Mascot
	1751.9724	1751.949	-0.0234	-13	746	761	TIIEEAIPMTGPKPR												Mascot
	1767.9673	1767.9484	-0.0189	-11	746	761	TIIEEAIPMTGPKPR			Oxidation (M)[9]									Mascot
	1812.8877	1812.8676	-0.0201	-11	72	86	LMDPLLYEYAGTWPK			Oxidation (M)[2]									Mascot
	1936.9181	1936.8918	-0.0263	-14	147	163	TQNIYELQEAGAQQVCR	142	100	Carbamidomethyl (C)[16]									Mascot
	1936.9181	1936.8918	-0.0263	-14	147	163	TQNIYELQEAGAQQVCR			Carbamidomethyl (C)[16]									Mascot
	1991.0959	1991.0699	-0.026	-13	32	49	YKYEALLLGGLPQEGLAR	106	100										Mascot
	1991.0959	1991.0699	-0.026	-13	32	49	YKYEALLLGGLPQEGLAR												Mascot
	2563.3765	2563.3469	-0.0296	-12	897	920	VEALPVDLPEHIASASFE TLAVVR												Mascot
	2912.512	2912.4717	-0.0403	-14	446	471	HCIAVPTCPAELLRIPIHEI ATEAVSK			Carbamidomethyl (C)[2,8]									Mascot
2	vitellogenin 1 [Danio rerio]				gi 94733730		149140.4	8.74	26	582	100	470	100						

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
	821.4628	821.4509	-0.0119	-14	545	551	ALHPEVR					Mascot
	888.5301	888.5164	-0.0137	-15	425	432	FATIPALR					Mascot
	1023.5105	1023.4974	-0.0131	-13	195	203	DVGLAYTER					Mascot
	1044.4528	1044.4392	-0.0136	-13	184	191	DLSHCQER			Carbamidomethyl (C)[5]		Mascot
	1070.4861	1070.4707	-0.0154	-14	921	929	NIEDHSAER					Mascot
	1097.6677	1097.6544	-0.0133	-12	514	523	VQVDAILALR					Mascot
	1097.6677	1097.6544	-0.0133	-12	514	523	VQVDAILALR	89	100			Mascot
	1115.6935	1115.6783	-0.0152	-14	333	341	FVQLVQLLR	71	99.998			Mascot
	1115.6935	1115.6783	-0.0152	-14	333	341	FVQLVQLLR					Mascot
	1121.599	1121.5836	-0.0154	-14	348	356	IEAIWSQFK					Mascot
	1187.6631	1187.6013	-0.0618	-52	1057	1066	LREILDTEAK					Mascot
	1215.6005	1215.5856	-0.0149	-12	164	173	THYVINEDPK					Mascot
	1259.5797	1259.5645	-0.0152	-12	182	191	SKDLSHCQER			Carbamidomethyl (C)[7]		Mascot
	1379.7603	1379.7249	-0.0354	-26	433	445	EVVMLGYGSLIAK					Mascot
	1382.7889	1382.7667	-0.0222	-16	303	315	ISDAPAQIVEVLK					Mascot
	1395.7301	1395.7166	-0.0135	-10	192	203	IMKDVGLAYTER					Mascot
	1463.8944	1463.8763	-0.0181	-12	532	544	LVQPVALQLVLDR					Mascot
	1463.8944	1463.8763	-0.0181	-12	532	544	LVQPVALQLVLDR	97	100			Mascot

	1515.7478	1515.7296	-0.0182	-12	733	745	VFGQEVAYVNFDK						Mascot
	1622.8536	1622.832	-0.0216	-13	668	683	AYLAGAAADVIEFGVR	144	100				Mascot
	1622.8536	1622.832	-0.0216	-13	668	683	AYLAGAAADVIEFGVR						Mascot
	1666.8767	1666.8589	-0.0178	-11	483	498	VMGNAGHPSSLKPIMK						Mascot
	1695.8999	1695.8778	-0.0221	-13	119	134	VFAPAGVSPTVMNLHR						Mascot
	1699.9047	1699.9154	0.0107	6	597	614	ITAPDMASVAGAANVAIK						Mascot
	1699.9377	1699.9154	-0.0223	-13	34	49	YEALLLGGLPQEGLAR	70	99.997				Mascot
	1711.8948	1711.8741	-0.0207	-12	119	134	VFAPAGVSPTVMNLHR	3	0	Oxidation (M)[12]			Mascot
	1711.8948	1711.8741	-0.0207	-12	119	134	VFAPAGVSPTVMNLHR			Oxidation (M)[12]			Mascot
	1723.9412	1723.9097	-0.0315	-18	746	761	TIIIEAIPMATGPKPR						Mascot
	1739.936	1739.9099	-0.0261	-15	746	761	TIIIEAIPMATGPKPR			Oxidation (M)[9]			Mascot
	1812.8877	1812.8676	-0.0201	-11	72	86	LMDPLLYEYAGTWPK			Oxidation (M)[2]			Mascot
	1954.8745	1954.8512	-0.0233	-12	147	163	TQNIYMQEAGAAGVCR			Carbamidomethyl (C)[16]			Mascot
	1970.8695	1970.8505	-0.019	-10	147	163	TQNIYMQEAGAAGVCR			Carbamidomethyl (C)[16], Oxidation (M)[7]			Mascot
	2627.3716	2627.3389	-0.0327	-12	897	920	VEALPVLPPEHIASASFET YAVVR						Mascot
	2938.5164	2938.4805	-0.0359	-12	446	471	YCVAVPTCPAELLRIPIHEI ATEAISK			Carbamidomethyl (C)[2,8]			Mascot
3	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94733734					149808.5	8.83	24	566	100	469	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
821.4628	821.4509	-0.0119	-14	549	555	ALHPEVR					Mascot
902.5458	902.5313	-0.0145	-16	429	436	FVSIPALR					Mascot
1023.5105	1023.4974	-0.0131	-13	199	207	DVGLAYTER					Mascot
1044.4528	1044.4392	-0.0136	-13	188	195	DLSHCQER			Carbamidomethyl (C)[5]		Mascot
1070.4861	1070.4707	-0.0154	-14	925	933	NIEDHSAER					Mascot
1097.6677	1097.6544	-0.0133	-12	518	527	VQVDAILALR					Mascot
1097.6677	1097.6544	-0.0133	-12	518	527	VQVDAILALR	89	100			Mascot
1115.6935	1115.6783	-0.0152	-14	337	345	FVQLVQLLR	71	99.998			Mascot
1115.6935	1115.6783	-0.0152	-14	337	345	FVQLVQLLR					Mascot
1121.599	1121.5836	-0.0154	-14	352	360	IEAIWSQFK					Mascot
1187.6631	1187.6013	-0.0618	-52	1061	1070	LREILDTEAK					Mascot
1215.6005	1215.5856	-0.0149	-12	168	177	THYVINEDPK					Mascot
1259.5797	1259.5645	-0.0152	-12	186	195	SKDLSHCQER			Carbamidomethyl (C)[7]		Mascot
1379.7603	1379.7249	-0.0354	-26	437	449	EVVMLGYGSLIAK					Mascot
1395.7301	1395.7166	-0.0135	-10	196	207	IMKDVGLAYTER					Mascot

1463.8944	1463.8763	-0.0181	-12	536	548	LVQPVALQLVLDR			Mascot
1463.8944	1463.8763	-0.0181	-12	536	548	LVQPVALQLVLDR	97	100	Mascot
1515.7478	1515.7296	-0.0182	-12	737	749	VFGQEVAYVNFDK			Mascot
1638.8485	1638.8286	-0.0199	-12	672	687	TYLAGAAADVVEFGVR			Mascot
1666.8767	1666.8589	-0.0178	-11	487	502	VMGNAGHPSSLKPIMK			Mascot
1695.8999	1695.8778	-0.0221	-13	123	138	VFAPAGVSPTVMNLHR			Mascot
1699.9377	1699.9154	-0.0223	-13	38	53	YEALLLGGLPQEGLAR			Mascot
1699.9377	1699.9154	-0.0223	-13	38	53	YEALLLGGLPQEGLAR	70	99.997	Mascot
1711.8948	1711.8741	-0.0207	-12	123	138	VFAPAGVSPTVMNLHR	3	0	Oxidation (M)[12] Mascot
1711.8948	1711.8741	-0.0207	-12	123	138	VFAPAGVSPTVMNLHR			Oxidation (M)[12] Mascot
1751.9724	1751.949	-0.0234	-13	750	765	TIIEEAIPMTGPKPR			Mascot
1767.9673	1767.9484	-0.0189	-11	750	765	TIIEEAIPMTGPKPR			Oxidation (M)[9] Mascot
1812.8877	1812.8676	-0.0201	-11	76	90	LMDPLLYEYAGTWPK			Oxidation (M)[2] Mascot
1936.9181	1936.8918	-0.0263	-14	151	167	TQNIYELQEAGAQQVCR	142	100	Carbamidomethyl (C)[16] Mascot
1936.9181	1936.8918	-0.0263	-14	151	167	TQNIYELQEAGAQQVCR			Carbamidomethyl (C)[16] Mascot
1991.176	1991.0699	-0.1061	-53	509	527	TAANALPVRVQVDAILAL R			Mascot
1991.176	1991.0699	-0.1061	-53	509	527	TAANALPVRVQVDAILAL R			Mascot
2587.3513	2587.3228	-0.0285	-11	901	924	VEALPVDLPEHIASASFE THAVVR			Mascot

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1379.7603	1379.7249	-0.0354	-26	444	456	EVVMLGYGSLIAK			Mascot
1395.7301	1395.7166	-0.0135	-10	203	214	IMKDVGLAYTER			Mascot
1463.8944	1463.8763	-0.0181	-12	543	555	LVQPVALQLVLDR			Mascot
1463.8944	1463.8763	-0.0181	-12	543	555	LVQPVALQLVLDR	97	100	Mascot
1515.7478	1515.7296	-0.0182	-12	744	756	VFGQEVAYVNFDK			Mascot
1638.8485	1638.8286	-0.0199	-12	679	694	TYLAGAAADVVEFGVR			Mascot
1666.8767	1666.8589	-0.0178	-11	494	509	VMGNAGHPSSLKPIMK			Mascot
1695.8999	1695.8778	-0.0221	-13	130	145	VFAPAGVSPTVMNLHR			Mascot
1699.9377	1699.9154	-0.0223	-13	45	60	YEALLLGGLPQEGLAR			Mascot
1699.9377	1699.9154	-0.0223	-13	45	60	YEALLLGGLPQEGLAR	70	99.997	Mascot
1711.8948	1711.8741	-0.0207	-12	130	145	VFAPAGVSPTVMNLHR	3	0	Mascot
1711.8948	1711.8741	-0.0207	-12	130	145	VFAPAGVSPTVMNLHR			Mascot
1751.9724	1751.949	-0.0234	-13	757	772	TIIEEAIPMVTGPKPR			Mascot
1767.9673	1767.9484	-0.0189	-11	757	772	TIIEEAIPMVTGPKPR			Mascot
1812.8877	1812.8676	-0.0201	-11	83	97	LMDPLLYEYAGTWPK			Mascot
1936.9181	1936.8918	-0.0263	-14	158	174	TQNIYELQEAGAQQVCR	142	100	Mascot
1936.9181	1936.8918	-0.0263	-14	158	174	TQNIYELQEAGAQQVCR			Mascot
1991.176	1991.0699	-0.1061	-53	516	534	TAANALPVRVQVDAILAL R			Mascot
1991.176	1991.0699	-0.1061	-53	516	534	TAANALPVRVQVDAILAL R			Mascot
2587.3513	2587.3228	-0.0285	-11	908	931	VEALPVDLPEHIASASFE THAVVR			Mascot

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	1259.5797	1259.5645	-0.0152	-12	186	195	SKDLSHCQER				Carbamidomethyl (C)[7]	Mascot	
	1324.5975	1324.6707	0.0732	55	1071	1083	NTPVSSESSSSSR					Mascot	
	1379.7603	1379.7249	-0.0354	-26	437	449	EVVMLGYGSLIAK					Mascot	
	1395.7301	1395.7166	-0.0135	-10	196	207	IMKDVGLAYTER					Mascot	
	1463.8944	1463.8763	-0.0181	-12	536	548	LVQPVALQLVLDR					Mascot	
	1463.8944	1463.8763	-0.0181	-12	536	548	LVQPVALQLVLDR	97	100			Mascot	
	1515.7478	1515.7296	-0.0182	-12	737	749	VFGQEVAYVNFDK					Mascot	
	1549.8373	1549.8157	-0.0216	-14	723	736	ALPTDRPLASAYFK					Mascot	
	1622.8536	1622.832	-0.0216	-13	672	687	AYLAGAAADVIEFGVR	144	100			Mascot	
	1622.8536	1622.832	-0.0216	-13	672	687	AYLAGAAADVIEFGVR					Mascot	
	1666.8767	1666.8589	-0.0178	-11	487	502	VMGNAGHPSSLKPIMK					Mascot	
	1699.9047	1699.9154	0.0107	6	601	618	ITAPDMASVAGAAANVAIK					Mascot	
	1699.9377	1699.9154	-0.0223	-13	38	53	YEALLGGLPQEGLAR	70	99.997			Mascot	
	1721.9043	1721.8861	-0.0182	-11	123	138	VFAPAGVSPTVMNLYR					Mascot	
	1737.8992	1737.9032	0.004	2	123	138	VFAPAGVSPTVMNLYR				Oxidation (M)[12]	Mascot	
	1954.8745	1954.8512	-0.0233	-12	151	167	TQNIYEMQEAGAQQVCR				Carbamidomethyl (C)[16]	Mascot	
	1970.8695	1970.8505	-0.019	-10	151	167	TQNIYEMQEAGAQQVCR				Carbamidomethyl (C)[16], Oxidation (M)[7]	Mascot	
6	vitellogenin 5 [Danio rerio]				gi 68448530		148868	8.77	22	543	100	470	100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
821.4628	821.4509	-0.0119	-14	545	551	ALHPEVR						Mascot
1023.5105	1023.4974	-0.0131	-13	195	203	DVGLAYTER						Mascot
1044.4528	1044.4392	-0.0136	-13	184	191	DLSHCQER				Carbamidomethyl (C)[5]		Mascot
1070.4861	1070.4707	-0.0154	-14	921	929	NIEDHSAER						Mascot
1097.6677	1097.6544	-0.0133	-12	514	523	VQVDAILALR						Mascot
1097.6677	1097.6544	-0.0133	-12	514	523	VQVDAILALR	89	100				Mascot
1115.6935	1115.6783	-0.0152	-14	333	341	FVQLVQLLR	71	99.998				Mascot
1115.6935	1115.6783	-0.0152	-14	333	341	FVQLVQLLR						Mascot
1121.599	1121.5836	-0.0154	-14	348	356	IEAIWSQFK						Mascot
1187.6631	1187.6013	-0.0618	-52	1057	1066	LREILDTEAK						Mascot
1215.6005	1215.5856	-0.0149	-12	164	173	THYVINEDPK						Mascot
1259.5797	1259.5645	-0.0152	-12	182	191	SKDLSHCQER				Carbamidomethyl (C)[7]		Mascot
1324.5975	1324.6707	0.0732	55	1067	1079	NTPVSSESSSSSR						Mascot
1379.7603	1379.7249	-0.0354	-26	433	445	EVVMLGYGSLIAK						Mascot
1395.7301	1395.7166	-0.0135	-10	192	203	IMKDVGLAYTER						Mascot

	1463.8944	1463.8763	-0.0181	-12	532	544	LVQPVALQLVLDR										Mascot
	1463.8944	1463.8763	-0.0181	-12	532	544	LVQPVALQLVLDR	97	100								Mascot
	1515.7478	1515.7296	-0.0182	-12	733	745	VFGQEVAYVNFDK										Mascot
	1549.8373	1549.8157	-0.0216	-14	719	732	ALPTDRPLASAYFK										Mascot
	1622.8536	1622.832	-0.0216	-13	668	683	AYLAGAAADVIEFGVR	144	100								Mascot
	1622.8536	1622.832	-0.0216	-13	668	683	AYLAGAAADVIEFGVR										Mascot
	1666.8767	1666.8589	-0.0178	-11	483	498	VMGNAGHPSSLKPIMK										Mascot
	1699.9047	1699.9154	0.0107	6	597	614	ITAPDMASVAGAANVAIK										Mascot
	1699.9377	1699.9154	-0.0223	-13	34	49	YEALLLGGLPQEGRLAR	70	99.997								Mascot
	1737.9568	1737.9032	-0.0536	-31	746	761	SIIEEAIPMTGPKPR										Mascot
	1954.8745	1954.8512	-0.0233	-12	147	163	TQNIYEMQEAGAQQGVCR					Carbamidomethyl (C)[16]					Mascot
	1970.8695	1970.8505	-0.019	-10	147	163	TQNIYEMQEAGAQQGVCR					Carbamidomethyl (C)[16], Oxidation (M)[7]					Mascot
7	novel protein similar to vitellogenin 1 (vg1) [Danio rerio] gi 94732723 147084.2 8.73 18 485 100 435 100																

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
821.4628	821.4509	-0.0119	-14	545	551	ALHPEVR				Mascot
1044.4528	1044.4392	-0.0136	-13	184	191	DLSHCQER		Carbamidomethyl (C)[5]		Mascot
1070.4861	1070.4707	-0.0154	-14	921	929	NIEDHSAER				Mascot
1097.6677	1097.6544	-0.0133	-12	514	523	VQVDAILALR				Mascot
1097.6677	1097.6544	-0.0133	-12	514	523	VQVDAILALR	89	100		Mascot
1115.6935	1115.6783	-0.0152	-14	333	341	FVQLVQLLR	71	99.998		Mascot
1115.6935	1115.6783	-0.0152	-14	333	341	FVQLVQLLR				Mascot
1187.6631	1187.6013	-0.0618	-52	1057	1066	LREILDTEAK				Mascot
1215.6005	1215.5856	-0.0149	-12	164	173	THYVINEDPK				Mascot
1259.5797	1259.5645	-0.0152	-12	182	191	SKDLSHCQER		Carbamidomethyl (C)[7]		Mascot
1379.7603	1379.7249	-0.0354	-26	433	445	EVVMLGYGSLIAK				Mascot
1395.7551	1395.7166	-0.0385	-28	433	445	EVVMLGYGSLIAK		Oxidation (M)[4]		Mascot
1477.91	1477.8926	-0.0174	-12	532	544	LVQPIALQLVLDR				Mascot
1477.91	1477.8926	-0.0174	-12	532	544	LVQPIALQLVLDR	65	99.992		Mascot
1515.7478	1515.7296	-0.0182	-12	733	745	VFGQEVAYVNFDK				Mascot
1622.7743	1622.832	0.0577	36	981	994	GCVEVHSYNAAFIR		Carbamidomethyl (C)[2]		Mascot
1622.7743	1622.832	0.0577	36	981	994	GCVEVHSYNAAFIR		Carbamidomethyl (C)[2]		Mascot
1666.8767	1666.8589	-0.0178	-11	483	498	VMGNAGHPSSLKPIMK				Mascot
1699.9047	1699.9154	0.0107	6	597	614	ITAPDMASVAGAANVAIK				Mascot
1699.9377	1699.9154	-0.0223	-13	34	49	YEALLLGGLPQEGRLAR	70	99.997		Mascot

	1721.9043	1721.8861	-0.0182	-11	119	134	VFAPAGVSPTVMNLYR										Mascot
	1737.8992	1737.9032	0.004	2	119	134	VFAPAGVSPTVMNLYR						Oxidation (M)[12]				Mascot
	1812.8877	1812.8676	-0.0201	-11	72	86	LMDPLLYEYAGTWPK						Oxidation (M)[2]				Mascot
	1936.9181	1936.8918	-0.0263	-14	147	163	TQNIYELQEAGAQQGVC		142	100			Carbamidomethyl (C)[16]				Mascot
	1936.9181	1936.8918	-0.0263	-14	147	163	TQNIYELQEAGAQQGVC						Carbamidomethyl (C)[16]				Mascot
8	vitellogenin 1 [Danio rerio]				gi 21391472		127954.2	8.69	18	460	100	402	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
821.4628	821.4509	-0.0119	-14	354	360	ALHPEVR					Mascot
888.5301	888.5164	-0.0137	-15	234	241	FATIPALR					Mascot
1023.5105	1023.4974	-0.0131	-13	4	12	DVGLAYTER					Mascot
1070.4861	1070.4707	-0.0154	-14	730	738	NIEDHSAER					Mascot
1097.6677	1097.6544	-0.0133	-12	323	332	VQVDAILALR					Mascot
1097.6677	1097.6544	-0.0133	-12	323	332	VQVDAILALR	89	100			Mascot
1115.6935	1115.6783	-0.0152	-14	142	150	FVQLVQLLR	71	99.998			Mascot
1115.6935	1115.6783	-0.0152	-14	142	150	FVQLVQLLR					Mascot
1121.599	1121.5836	-0.0154	-14	157	165	IEAIWSQFK					Mascot
1187.6631	1187.6013	-0.0618	-52	866	875	LREILDTEAK					Mascot
1379.7603	1379.7249	-0.0354	-26	242	254	EVVMLGYGSLIAK					Mascot
1382.7889	1382.7667	-0.0222	-16	112	124	ISDAPAQIVEVLK					Mascot
1395.7301	1395.7166	-0.0135	-10	1	12	IMKDVGLAYTER					Mascot
1463.8944	1463.8763	-0.0181	-12	341	353	LVQPVALQLVLDR					Mascot
1463.8944	1463.8763	-0.0181	-12	341	353	LVQPVALQLVLDR	97	100			Mascot
1515.7478	1515.7296	-0.0182	-12	542	554	VFGQEVAYVNFDK					Mascot
1622.8536	1622.832	-0.0216	-13	477	492	AYLAGAAADVIEFGVR	144	100			Mascot
1622.8536	1622.832	-0.0216	-13	477	492	AYLAGAAADVIEFGVR					Mascot
1666.8767	1666.8589	-0.0178	-11	292	307	VMGNAGHPSSLKPIMK					Mascot
1699.9047	1699.9154	0.0107	6	406	423	ITAPDMASVAGAAANVAIK					Mascot
1699.9047	1699.9154	0.0107	6	406	423	ITAPDMASVAGAAANVAIK					Mascot
1723.9412	1723.9097	-0.0315	-18	555	570	TIIEEAIPMATGPKPR					Mascot
1739.936	1739.9099	-0.0261	-15	555	570	TIIEEAIPMATGPKPR					Mascot
2938.5164	2938.4805	-0.0359	-12	255	280	YCVAVPTCPAELLRPIHEI ATEAISK					Mascot

9	Vtg1 protein [Danio rerio]				gi 145337918		116565.5	9.07	17	459	100	402	100				
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I.	% Modification	Rank	Result Type	
	821.4628	821.4509	-0.0119	-14	251	257 ALHPEVR						Mascot	
	888.5301	888.5164	-0.0137	-15	131	138 FATIPALR						Mascot	
	1070.4861	1070.4707	-0.0154	-14	627	635 NIEDHSAER						Mascot	
	1097.6677	1097.6544	-0.0133	-12	220	229 VQVDAILALR						Mascot	
	1097.6677	1097.6544	-0.0133	-12	220	229 VQVDAILALR		89	100			Mascot	
	1115.6935	1115.6783	-0.0152	-14	39	47 FVQLVQLLR		71	99.998			Mascot	
	1115.6935	1115.6783	-0.0152	-14	39	47 FVQLVQLLR						Mascot	
	1121.599	1121.5836	-0.0154	-14	54	62 IEAIWSQFK						Mascot	
	1187.6631	1187.6013	-0.0618	-52	763	772 LREILDTEAK						Mascot	
	1379.7603	1379.7249	-0.0354	-26	139	151 EVVMLGYGSLIAK						Mascot	
	1382.7889	1382.7667	-0.0222	-16	9	21 ISDAPAQIVEVLK						Mascot	
	1395.7551	1395.7166	-0.0385	-28	139	151 EVVMLGYGSLIAK				Oxidation (M)[4]		Mascot	
	1463.8944	1463.8763	-0.0181	-12	238	250 LVQPVALQLVLDR						Mascot	
	1463.8944	1463.8763	-0.0181	-12	238	250 LVQPVALQLVLDR		97	100			Mascot	
	1515.7478	1515.7296	-0.0182	-12	439	451 VFGQEVAYVNFDK						Mascot	
	1622.8536	1622.832	-0.0216	-13	374	389 AYLAGAAADVIEFGVR		144	100			Mascot	
	1622.8536	1622.832	-0.0216	-13	374	389 AYLAGAAADVIEFGVR						Mascot	
	1666.8767	1666.8589	-0.0178	-11	189	204 VMGNAGHPSSLKPIMK						Mascot	
	1699.9047	1699.9154	0.0107	6	303	320 ITAPDMASVAGAANVAIK						Mascot	
	1699.9047	1699.9154	0.0107	6	303	320 ITAPDMASVAGAANVAIK						Mascot	
	1723.9412	1723.9097	-0.0315	-18	452	467 TIIEEAIPMATGPKPR						Mascot	
	1739.936	1739.9099	-0.0261	-15	452	467 TIIEEAIPMATGPKPR				Oxidation (M)[9]		Mascot	
	2627.3716	2627.3389	-0.0327	-12	603	626 VEALPVELPEHIASASFET YAVVR						Mascot	
	2938.5164	2938.4805	-0.0359	-12	152	177 YCVAVPTCPAELLRPIHEI ATEAISK				Carbamidomethyl (C)[2,8]		Mascot	
10	Zgc:136383 protein [Danio rerio]				gi 159155252		123957.1	8.78	18	425	100	362	100

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	821.4628	821.4509	-0.0119	-14	322	328 ALHPEVR					Mascot
	890.5094	890.4976	-0.0118	-13	202	209 FSTVPALR					Mascot
	1070.4861	1070.4707	-0.0154	-14	698	706 NIEDHSAER					Mascot
	1097.6677	1097.6544	-0.0133	-12	291	300 VQVDAILALR					Mascot
	1097.6677	1097.6544	-0.0133	-12	291	300 VQVDAILALR	89	100			Mascot

	1115.6935	1115.6783	-0.0152	-14	110	118	FVQLVQLLR	71	99.998					Mascot
	1115.6935	1115.6783	-0.0152	-14	110	118	FVQLVQLLR							Mascot
	1121.599	1121.5836	-0.0154	-14	125	133	IEAIWSQFK							Mascot
	1187.6631	1187.6013	-0.0618	-52	834	843	LREILDTEAK							Mascot
	1379.7351	1379.7249	-0.0102	-7	210	222	EVAMLGYGSLIAR							Mascot
	1382.7889	1382.7667	-0.0222	-16	80	92	ISDAPAQIVEVLK							Mascot
	1395.73	1395.7166	-0.0134	-10	210	222	EVAMLGYGSLIAR			Oxidation (M)[4]				Mascot
	1477.91	1477.8926	-0.0174	-12	309	321	LVQPIALQLVLDR							Mascot
	1477.91	1477.8926	-0.0174	-12	309	321	LVQPIALQLVLDR	65	99.992					Mascot
	1515.7478	1515.7296	-0.0182	-12	510	522	VFGQEVAYVNFDK							Mascot
	1608.838	1608.8176	-0.0204	-13	445	460	AYLAGAAADVVEFGVR							Mascot
	1608.838	1608.8176	-0.0204	-13	445	460	AYLAGAAADVVEFGVR	138	100					Mascot
	1666.8767	1666.8589	-0.0178	-11	260	275	VMGNAGHPSSLKPIMK							Mascot
	1699.9524	1699.9154	-0.037	-22	1087	1101	SLNVIARIPETMSR							Mascot
	1699.9524	1699.9154	-0.037	-22	1087	1101	SLNVIARIPETMSR							Mascot
	1721.9618	1721.8861	-0.0757	-44	523	538	TIIEEAIPMVAGPKPR							Mascot
	1737.9568	1737.9032	-0.0536	-31	523	538	TIIEEAIPMVAGPKPR			Oxidation (M)[9]				Mascot
	1991.176	1991.0699	-0.1061	-53	282	300	TAANALPVRVQVDAILAL R							Mascot
	1991.176	1991.0699	-0.1061	-53	282	300	TAANALPVRVQVDAILAL R							Mascot
	2563.3765	2563.3469	-0.0296	-12	674	697	VEALPVDLPEHIASASFE TLAVVR							Mascot
	2912.512	2912.4717	-0.0403	-14	223	248	HCIAVPTCPAELLRIPIEI ATEAVSK			Carbamidomethyl (C)[2,8]				Mascot
11	vitellogenin 1 [Danio rerio]				gi 166795887		149452.5	8.68	23	417	100	327	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
821.4628	821.4509	-0.0119	-14	545	551	ALHPEVR					Mascot
888.5301	888.5164	-0.0137	-15	425	432	FATIPALR					Mascot
1044.4528	1044.4392	-0.0136	-13	184	191	DLSHCQER			Carbamidomethyl (C)[5]		Mascot
1070.4861	1070.4707	-0.0154	-14	921	929	NIEDHSAER					Mascot
1097.6677	1097.6544	-0.0133	-12	514	523	VQVDAILALR					Mascot
1097.6677	1097.6544	-0.0133	-12	514	523	VQVDAILALR	89	100			Mascot
1115.6935	1115.6783	-0.0152	-14	333	341	FVQLVQLLR	71	99.998			Mascot
1115.6935	1115.6783	-0.0152	-14	333	341	FVQLVQLLR					Mascot
1121.599	1121.5836	-0.0154	-14	348	356	IEAIWSQFK					Mascot
1187.6631	1187.6013	-0.0618	-52	1057	1066	LREILDTEAK					Mascot

1215.6005	1215.5856	-0.0149	-12	164	173	THYVINEDPK													Mascot
1259.5797	1259.5645	-0.0152	-12	182	191	SKDLSHCQER												Carbamidomethyl (C)[7]	Mascot
1379.7603	1379.7249	-0.0354	-26	433	445	EVVMLGYGSLIAK													Mascot
1382.7889	1382.7667	-0.0222	-16	303	315	ISDAPAQIVEVLK													Mascot
1395.7551	1395.7166	-0.0385	-28	433	445	EVVMLGYGSLIAK												Oxidation (M)[4]	Mascot
1463.8944	1463.8763	-0.0181	-12	532	544	LVQPVALQLVLDR													Mascot
1463.8944	1463.8763	-0.0181	-12	532	544	LVQPVALQLVLDR	97		100										Mascot
1515.7478	1515.7296	-0.0182	-12	733	745	VFGQEVAYVNFDK													Mascot
1638.8485	1638.8286	-0.0199	-12	668	683	TYLAGAAADVVEFGVR													Mascot
1666.8767	1666.8589	-0.0178	-11	483	498	VMGNAGHPSSLKPIMK													Mascot
1695.8999	1695.8778	-0.0221	-13	119	134	VFAPAGVSPTVMNLHR													Mascot
1699.9377	1699.9154	-0.0223	-13	34	49	YEALLLGGLPQEGLAR													Mascot
1699.9377	1699.9154	-0.0223	-13	34	49	YEALLLGGLPQEGLAR	70		99.997										Mascot
1711.8948	1711.8741	-0.0207	-12	119	134	VFAPAGVSPTVMNLHR	3		0									Oxidation (M)[12]	Mascot
1711.8948	1711.8741	-0.0207	-12	119	134	VFAPAGVSPTVMNLHR												Oxidation (M)[12]	Mascot
1751.9724	1751.949	-0.0234	-13	746	761	TIIEEAIPMTGPKPR													Mascot
1767.9673	1767.9484	-0.0189	-11	746	761	TIIEEAIPMTGPKPR												Oxidation (M)[9]	Mascot
1812.8877	1812.8676	-0.0201	-11	72	86	LMDPLLYEYAGTWPK												Oxidation (M)[2]	Mascot
1954.8745	1954.8512	-0.0233	-12	147	163	TQNIYEMQEAGAQQGVCR												Carbamidomethyl (C)[16]	Mascot
1970.8695	1970.8505	-0.019	-10	147	163	TQNIYEMQEAGAQQGVCR												Carbamidomethyl (C)[16], Oxidation (M)[7]	Mascot
2627.3716	2627.3389	-0.0327	-12	897	920	VEALPVELPEHIASASFET YAVVR													Mascot
2938.5164	2938.4805	-0.0359	-12	446	471	YCVAVPTCPAELLRPIHEI ATEAISK												Carbamidomethyl (C)[2,8]	Mascot
12	vitellogenin 7 [Danio rerio]				gi 156713467		148739.2	8.76	16	330	100	293	100						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
821.4628	821.4509	-0.0119	-14	545	551	ALHPEVR					Mascot
1044.4528	1044.4392	-0.0136	-13	184	191	DLSHCQER			Carbamidomethyl (C)[5]		Mascot
1070.4861	1070.4707	-0.0154	-14	921	929	NIEDHSAER					Mascot
1097.6677	1097.6544	-0.0133	-12	514	523	VQVDAILALR					Mascot
1097.6677	1097.6544	-0.0133	-12	514	523	VQVDAILALR	89	100			Mascot
1115.6935	1115.6783	-0.0152	-14	333	341	FVQLVQLLR	71	99.998			Mascot
1115.6935	1115.6783	-0.0152	-14	333	341	FVQLVQLLR					Mascot
1187.6631	1187.6013	-0.0618	-52	1057	1066	LREILDTEAK					Mascot
1215.6005	1215.5856	-0.0149	-12	164	173	THYVINEDPK					Mascot
1259.5797	1259.5645	-0.0152	-12	182	191	SKDLSHCQER			Carbamidomethyl (C)[7]		Mascot

1379.7603	1379.7249	-0.0354	-26	433	445	EVVMLGYGSLIAK													Mascot
1395.7551	1395.7166	-0.0385	-28	433	445	EVVMLGYGSLIAK								Oxidation (M)[4]					Mascot
1477.91	1477.8926	-0.0174	-12	532	544	LVQPIALQLVLDR													Mascot
1477.91	1477.8926	-0.0174	-12	532	544	LVQPIALQLVLDR		65	99.992										Mascot
1515.7478	1515.7296	-0.0182	-12	733	745	VFGQEVAYVNFDK													Mascot
1666.8767	1666.8589	-0.0178	-11	483	498	VMGNAGHPSSLKPIMK													Mascot
1699.9047	1699.9154	0.0107	6	597	614	ITAPDMASVAGAANVAIK													Mascot
1699.9377	1699.9154	-0.0223	-13	34	49	YEALLLGGLPQEGLAR		70	99.997										Mascot
1721.9043	1721.8861	-0.0182	-11	119	134	VFAPAGVSPTVMNLYR													Mascot
1737.8992	1737.9032	0.004	2	119	134	VFAPAGVSPTVMNLYR								Oxidation (M)[12]					Mascot
1812.8877	1812.8676	-0.0201	-11	72	86	LMDPLLYEYAGTWPK								Oxidation (M)[2]					Mascot
13	vitellogenin 1 [Danio rerio]				gi 21391474		21118.2	9	7	259	100	212	100						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1044.4528	1044.4392	-0.0136	-13	184	191	DLSHCQER				Carbamidomethyl (C)[5]		Mascot	
1215.6005	1215.5856	-0.0149	-12	164	173	THYVINEDPK						Mascot	
1259.5797	1259.5645	-0.0152	-12	182	191	SKDLSHCQER				Carbamidomethyl (C)[7]		Mascot	
1695.8999	1695.8778	-0.0221	-13	119	134	VFAPAGVSPTVMNLHR						Mascot	
1699.9377	1699.9154	-0.0223	-13	34	49	YEALLLGGLPQEGLAR						Mascot	
1699.9377	1699.9154	-0.0223	-13	34	49	YEALLLGGLPQEGLAR	70	99.997				Mascot	
1711.8948	1711.8741	-0.0207	-12	119	134	VFAPAGVSPTVMNLHR	3	0		Oxidation (M)[12]		Mascot	
1711.8948	1711.8741	-0.0207	-12	119	134	VFAPAGVSPTVMNLHR				Oxidation (M)[12]		Mascot	
1812.8877	1812.8676	-0.0201	-11	72	86	LMDPLLYEYAGTWPK				Oxidation (M)[2]		Mascot	
1936.9181	1936.8918	-0.0263	-14	147	163	TQNIYELQEAGAQQVCR	142	100		Carbamidomethyl (C)[16]		Mascot	
1936.9181	1936.8918	-0.0263	-14	147	163	TQNIYELQEAGAQQVCR				Carbamidomethyl (C)[16]		Mascot	

14 vitellogenin 2 isoform 1 [Danio rerio] gi|113678458 179782.8 8.7 15 157 100 124 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1044.4528	1044.4392	-0.0136	-13	184	191	DLSHCQER				Carbamidomethyl (C)[5]		Mascot	
1095.6885	1095.6724	-0.0161	-15	780	789	AKPLLVAEVR						Mascot	
1097.6677	1097.6544	-0.0133	-12	514	523	VQVDAILALR						Mascot	
1097.6677	1097.6544	-0.0133	-12	514	523	VQVDAILALR	89	100				Mascot	
1115.6055	1115.6783	0.0728	65	1557	1566	QVILNGQESK	9	0				Mascot	

	1115.6055	1115.6783	0.0728	65	1557	1566	QVILNGQESK												Mascot
	1141.5459	1141.5315	-0.0144	-13	733	742	VFGQEMAFGR												Mascot
	1149.6779	1149.6653	-0.0126	-11	333	341	FVQLVQFLR												Mascot
	1157.5408	1157.5298	-0.011	-10	733	742	VFGQEMAFGR						Oxidation (M)[6]						Mascot
	1179.5892	1179.5874	-0.0018	-2	164	173	TQYVISEDPK												Mascot
	1187.6167	1187.6013	-0.0154	-13	770	779	ALQEGISWQR												Mascot
	1477.91	1477.8926	-0.0174	-12	532	544	LVQPVALQLVLER												Mascot
	1477.91	1477.8926	-0.0174	-12	532	544	LVQPVALQLVLER		34	90.569									Mascot
	1666.8799	1666.8589	-0.021	-13	668	683	AYLAGAATDVIEFGLR												Mascot
	1689.9323	1689.9099	-0.0224	-13	119	134	VFAPAGVSPSVLNLYR												Mascot
	1737.699	1737.9032	0.2042	118	1616	1631	ETTDAAHVACRTEQCA												Mascot
	1955.0232	1954.8512	-0.172	-88	1016	1033	AEGPAVEKLEFEVQVGP R												Mascot
	2645.3608	2645.325	-0.0358	-14	897	920	IEALPVELPEHIASASFET FAFAR												Mascot
	2938.5164	2938.4805	-0.0359	-12	446	471	YCVAVPTCPAELLRIPIEI ATEAISK						Carbamidomethyl (C)[2,8]						Mascot
15	PREDICTED: vitellogenin-like, partial [Danio rerio]				gi 326681170		93358.3	9.2	11	151	100	124	100						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1044.4528	1044.4392	-0.0136	-13	184	191	DLSHCQER			Carbamidomethyl (C)[5]		Mascot
1095.6885	1095.6724	-0.0161	-15	780	789	AKPLLVAEVR					Mascot
1097.6677	1097.6544	-0.0133	-12	514	523	VQVDAILALR					Mascot
1097.6677	1097.6544	-0.0133	-12	514	523	VQVDAILALR	89	100			Mascot
1141.5459	1141.5315	-0.0144	-13	733	742	VFGQEMAFGR					Mascot
1149.6779	1149.6653	-0.0126	-11	333	341	FVQLVQFLR					Mascot
1157.5408	1157.5298	-0.011	-10	733	742	VFGQEMAFGR			Oxidation (M)[6]		Mascot
1179.5892	1179.5874	-0.0018	-2	164	173	TQYVISEDPK					Mascot
1187.6167	1187.6013	-0.0154	-13	770	779	ALQEGISWQR					Mascot
1477.91	1477.8926	-0.0174	-12	532	544	LVQPVALQLVLER					Mascot
1477.91	1477.8926	-0.0174	-12	532	544	LVQPVALQLVLER	34	90.569			Mascot
1666.8799	1666.8589	-0.021	-13	668	683	AYLAGAATDVIEFGLR					Mascot
1689.9323	1689.9099	-0.0224	-13	119	134	VFAPAGVSPSVLNLYR					Mascot
2938.5164	2938.4805	-0.0359	-12	446	471	YCVAVPTCPAELLRIPIEI ATEAISK			Carbamidomethyl (C)[2,8]		Mascot

16	Unknown (protein for MGC:174137) [Danio rerio]				gi 152012733		17051.5	7.71	2	78	99.937	70	99.997						
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Peptide Information

		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		1699.9377	1699.9154	-0.0223	-13	34	49 YEALLLGGLPQEGLAR					Mascot
		1699.9377	1699.9154	-0.0223	-13	34	49 YEALLLGGLPQEGLAR	70	99.997			Mascot
		1812.8877	1812.8676	-0.0201	-11	72	86 LMDPLLYEYAGTWPK			Oxidation (M)[2]		Mascot
17	novel protein similar to vitellogenin 1 (vg1) [Danio rerio]	gi 94732724	24001.7	5.6	1	71	99.63	71	99.998			
Peptide Information												
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		1115.6935	1115.6783	-0.0152	-14	128	136 FVQLVQLLR	71	99.998			Mascot
		1115.6935	1115.6783	-0.0152	-14	128	136 FVQLVQLLR					Mascot
18	vitellogenin 2 isoform 2 [Danio rerio]	gi 160333705	93050.4	8.22	7	56	87.743	34	90.569			
Peptide Information												
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		1115.6055	1115.6783	0.0728	65	760	769 QVILNGQESK	9	0			Mascot
		1115.6055	1115.6783	0.0728	65	760	769 QVILNGQESK					Mascot
		1149.6779	1149.6653	-0.0126	-11	79	87 FVQLVQFLR					Mascot
		1187.5474	1187.6013	0.0539	45	819	828 ETDDAHVVCRR			Carbamidomethyl (C)[9]		Mascot
		1477.91	1477.8926	-0.0174	-12	278	290 LVQPVALQLVLR					Mascot
		1477.91	1477.8926	-0.0174	-12	278	290 LVQPVALQLVLR	34	90.569			Mascot
		1936.7946	1936.8918	0.0972	50	819	834 ETDDAHVVCRCRTEQCA			Carbamidomethyl (C)[9,11,15]		Mascot
		1936.9908	1936.8918	-0.099	-51	62	78 HLVENNVMVRDDAPLK			Oxidation (M)[9]		Mascot
		2938.5164	2938.4805	-0.0359	-12	192	217 YCVAVPTCPAELLRPIHEI ATEAISK			Carbamidomethyl (C)[2,8]		Mascot
19	PREDICTED: anosmin-1-like, partial [Danio rerio]	gi 326670889	21409.4	8.83	9	55	87.166					
Peptide Information												
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
		882.5519	882.556	0.0041	5	86	93 GSPLKPRK					Mascot
		1023.5693	1023.4974	-0.0719	-70	168	177 VAAVNVHGTR					Mascot
		1515.7802	1515.7296	-0.0506	-33	2	16 GPEGKPVSGSTQFPK					Mascot
		1666.6189	1666.8589	0.24	144	68	81 CCSNGCGHTCQTPK			Carbamidomethyl (C)[1,2,6,10]		Mascot
		1689.8112	1689.9099	0.0987	58	30	44 SVQTLKQGDCPAEEK			Carbamidomethyl (C)[10]		Mascot
		1711.9238	1711.8741	-0.0497	-29	168	184 VAAVNVHGTRGFTAPSK					Mascot

	1711.9238	1711.8741	-0.0497	-29	168	184	VAAVNVHGTRGFTAPSK										Mascot
	1737.6924	1737.9032	0.2108	121	67	81	KCCSNGCGHTCQTPK						Carbamidomethyl (C)[2,3,7]				Mascot
	1767.9025	1767.9484	0.0459	26	94	108	DLQFVEHPSGQLELR										Mascot
	2284.147	2284.1487	0.0017	1	94	112	DLQFVEHPSGQLELRWS SR										Mascot
20	Zgc:171915 protein [Danio rerio]				gi 156230187		32406	8.38	9	48	31.076						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5246	842.4983	-0.0263	-31	263	269	GKIHIFK					Mascot
1044.4489	1044.4392	-0.0097	-9	270	277	YLNMEACK			Carbamidomethyl (C)[7], Oxidation (M)[4]		Mascot
1070.6093	1070.4707	-0.1386	-129	161	170	LVSLPEDLGK					Mascot
1382.8187	1382.7667	-0.052	-38	149	160	LPLKVLACNNK			Carbamidomethyl (C)[9]		Mascot
1477.7943	1477.8926	0.0983	67	229	240	VTSIPVCYRNLR			Carbamidomethyl (C)[7]		Mascot
1477.7943	1477.8926	0.0983	67	229	240	VTSIPVCYRNLR			Carbamidomethyl (C)[7]		Mascot
1515.7761	1515.7296	-0.0465	-31	51	66	ALDEAAATGGLNLSGR					Mascot
1666.8444	1666.8589	0.0145	9	265	277	IHIFKYNMEACK			Carbamidomethyl (C)[12]		Mascot
2211.1841	2211.0786	-0.1055	-48	210	228	LPPELAELPLVRLDFSCN K			Carbamidomethyl (C)[17]		Mascot
2627.4338	2627.3389	-0.0949	-36	241	264	HLQSIILDNNPLQSPPAQI CIK GK					Mascot

21	Zgc:158611 protein [Danio rerio]				gi 124481798		67832.2	7.55	13	48	26.147						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
821.4556	821.4509	-0.0047	-6	484	489	LFEWVK					Mascot
1187.5626	1187.6013	0.0387	33	318	327	GQMLPADFHR			Oxidation (M)[3]		Mascot
1215.4955	1215.5856	0.0901	74	223	231	YECPMCSLR			Carbamidomethyl (C)[3,6]		Mascot
1324.6604	1324.6707	0.0103	8	137	147	TTQTPSNYTRR					Mascot
1379.6332	1379.7249	0.0917	66	210	222	ISAESNDRAGGMR			Oxidation (M)[12]		Mascot
1463.7523	1463.8763	0.124	85	553	565	VLSQDTVTSMVQR					Mascot
1463.7523	1463.8763	0.124	85	553	565	VLSQDTVTSMVQR	2	0			Mascot
1493.8335	1493.7157	-0.1178	-79	466	478	ARIVDFHKPTGPR					Mascot
1549.7162	1549.8157	0.0995	64	330	344	AEMLESLASGVDDGR					Mascot
1699.7592	1699.9154	0.1562	92	57	71	DYQDTNVTMVNSGQK					Mascot
1699.7592	1699.9154	0.1562	92	57	71	DYQDTNVTMVNSGQK					Mascot
1721.8123	1721.8861	0.0738	43	329	344	RAEMLESLASGVDDGR			Oxidation (M)[4]		Mascot

1970.8906	1970.8505	-0.0401	-20	72	89	NDCITKSTSNVNATNTCK	Carbamidomethyl (C)[3]	Mascot
1991.0201	1991.0699	0.0498	25	392	407	NIQMLLSSLHRMEQYK		Mascot
1991.0201	1991.0699	0.0498	25	392	407	NIQMLLSSLHRMEQYK		Mascot
2627.2056	2627.3389	0.1333	51	419	442	VQALMEEAWAQGADPQ GASHFNNR		Mascot

22 Zgc:171573 protein [Danio rerio] gi|166796220 28101.6 9.65 8 43 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
902.4689	902.5313	0.0624	69	87	93	DERQLNK					Mascot
1097.5334	1097.6544	0.121	110	2	10	NQVEHLSDR					Mascot
1097.5334	1097.6544	0.121	110	2	10	NQVEHLSDR					Mascot
1121.5255	1121.5836	0.0581	52	168	176	KQEENNMTK					Mascot
1338.7627	1338.6855	-0.0772	-58	127	139	ILPGLVGEDLGQK					Mascot
1608.9067	1608.8176	-0.0891	-55	127	141	ILPGLVGEDLGQKNR					Mascot
1608.9067	1608.8176	-0.0891	-55	127	141	ILPGLVGEDLGQKNR					Mascot
1711.9701	1711.8741	-0.096	-56	35	50	VRTIGVDIDALGQQVK					Mascot
1711.9701	1711.8741	-0.096	-56	35	50	VRTIGVDIDALGQQVK					Mascot
1937.045	1936.8918	-0.1532	-79	122	139	QEGQRILPGLVGEDLGQ K					Mascot
1937.045	1936.8918	-0.1532	-79	122	139	QEGQRILPGLVGEDLGQ K					Mascot
2211.042	2211.0786	0.0366	17	65	83	VYADDLLCSDGIACILEQ R			Carbamidomethyl (C)[8,14]		Mascot

23 zinc finger with UFM1-specific peptidase domain-like [Danio rerio] gi|262263368 67968.3 7.81 12 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
821.4556	821.4509	-0.0047	-6	484	489	LFIEWVK					Mascot
1187.5626	1187.6013	0.0387	33	318	327	GQMLPADFHR			Oxidation (M)[3]		Mascot
1215.4955	1215.5856	0.0901	74	223	231	YECPMCSLR			Carbamidomethyl (C)[3,6]		Mascot
1324.6604	1324.6707	0.0103	8	137	147	TTQTPSNYTRR					Mascot
1379.6332	1379.7249	0.0917	66	210	222	ISAESNDRAGGMR			Oxidation (M)[12]		Mascot
1463.7523	1463.8763	0.124	85	553	565	VLSQDTVTSMVQR					Mascot
1463.7523	1463.8763	0.124	85	553	565	VLSQDTVTSMVQR	2	0			Mascot
1493.8335	1493.7157	-0.1178	-79	466	478	ARIVDFHKPTGPR					Mascot
1549.7162	1549.8157	0.0995	64	330	344	AEMLESLASGVDDGR					Mascot
1699.7592	1699.9154	0.1562	92	57	71	DYQDTNVTMVNSGQK					Mascot

1699.7592	1699.9154	0.1562	92	57	71	DYQDTNVTMVNSGQK							Mascot
1721.8123	1721.8861	0.0738	43	329	344	RAEMLESLASGVDDGR				Oxidation (M)[4]			Mascot
1970.8906	1970.8505	-0.0401	-20	72	89	NDCITKSTSNVNATNTCK				Carbamidomethyl (C)[3]			Mascot
2627.2056	2627.3389	0.1333	51	419	442	VQALMEEAWAQQADPQ GASHFNRR							Mascot

24 PREDICTED: leucine-rich repeat and calponin
homology domain-containing protein 3 [Danio rerio]

gi|326675903 80065.8 7.57 12 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.5246	842.4983	-0.0263	-31	263	269	GKIHIFK					Mascot
1044.4489	1044.4392	-0.0097	-9	270	277	YLNMEACK			Carbamidomethyl (C)[7], Oxidation (M)[4]		Mascot
1070.6093	1070.4707	-0.1386	-129	161	170	LVSLPEDLGK					Mascot
1382.8187	1382.7667	-0.052	-38	149	160	LPLKVLIACNNK			Carbamidomethyl (C)[9]		Mascot
1463.739	1463.8763	0.1373	94	552	563	GPNQRPESYLFR					Mascot
1463.739	1463.8763	0.1373	94	552	563	GPNQRPESYLFR					Mascot
1477.7943	1477.8926	0.0983	67	229	240	VTSIPVCYRNLR			Carbamidomethyl (C)[7]		Mascot
1477.7943	1477.8926	0.0983	67	229	240	VTSIPVCYRNLR			Carbamidomethyl (C)[7]		Mascot
1515.7761	1515.7296	-0.0465	-31	51	66	ALDEAAATGGLNLSGR					Mascot
1666.8444	1666.8589	0.0145	9	265	277	IHIFKYLNMEACK			Carbamidomethyl (C)[12]		Mascot
1737.9017	1737.9032	0.0015	1	711	728	HTSPSPSTPTTAGTALVL					Mascot
1970.9567	1970.8505	-0.1062	-54	321	337	RWSGNEPSDELSDLPLR					Mascot
2211.1841	2211.0786	-0.1055	-48	210	228	LPPELAELPLVRLDFSCN K			Carbamidomethyl (C)[17]		Mascot
2627.4338	2627.3389	-0.0949	-36	241	264	HLQSIILDNNPLQSPPAQI CIK GK					Mascot

25 PREDICTED: caspase-8-like [Danio rerio]

gi|125845888 39333.1 7.51 10 39 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
890.4213	890.4976	0.0763	86	241	249	VEADAGNSK					Mascot
996.5043	996.5853	0.081	81	296	303	NLEKHCPR					Mascot
1121.5334	1121.5836	0.0502	45	272	281	STTNGHVSYSR					Mascot
1164.5565	1164.552	-0.0045	-4	5	14	ESVDKICENK					Mascot
1179.5826	1179.5874	0.0048	4	207	216	DPFTGVKQCQK			Carbamidomethyl (C)[8]		Mascot
1382.6521	1382.7667	0.1146	83	285	295	EGSWFIQSLCR			Carbamidomethyl (C)[10]		Mascot
1493.7126	1493.7157	0.0031	2	80	91	QDCVLENFPMLK			Carbamidomethyl (C)[3]		Mascot

	1954.9989	1954.8512	-0.1477	-76	223	240	LFFIQGCRGANSLQACVK										Mascot
	1970.9496	1970.8505	-0.0991	-50	114	131	GICVIINNEIFSSGMMSR										Mascot
	2627.3608	2627.3389	-0.0219	-8	300	322	HCPRGADILTILLYVNNEV SSQK						Carbamidomethyl (C)[2]				Mascot
26	PREDICTED: protein argonaute-3 [Danio rerio]				gi 189530413	101302	9.23	8	38	0	28	55.066					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1115.5448	1115.6783	0.1335	120	1	9	MNLLVCHGR	28	55.066		Carbamidomethyl (C)[6], Oxidation (M)[1]		Mascot
1115.5448	1115.6783	0.1335	120	1	9	MNLLVCHGR				Carbamidomethyl (C)[6], Oxidation (M)[1]		Mascot
1141.6	1141.5315	-0.0685	-60	329	337	TVAQYFREK						Mascot
1379.72	1379.7249	0.0049	4	377	388	KLTDNQTSTMIK						Mascot
1395.7148	1395.7166	0.0018	1	377	388	KLTDNQTSTMIK				Oxidation (M)[10]		Mascot
1608.6967	1608.8176	0.1209	75	516	529	DAGMPIQGQPCFCK				Carbamidomethyl (C)[11,13]		Mascot
1608.6967	1608.8176	0.1209	75	516	529	DAGMPIQGQPCFCK				Carbamidomethyl (C)[11,13]		Mascot
1622.8649	1622.832	-0.0329	-20	97	110	VTIFGDRRPVYDGK						Mascot
1622.8649	1622.832	-0.0329	-20	97	110	VTIFGDRRPVYDGK						Mascot
1666.8429	1666.8589	0.016	10	378	392	LTDNQTSTMIKATAR				Oxidation (M)[9]		Mascot
1812.9425	1812.8676	-0.0749	-41	358	373	HTYLPLEVCNIVAGQR						Mascot
1936.9077	1936.8918	-0.0159	-8	513	529	ISKDAGMPIQGQPCFCK				Carbamidomethyl (C)[14,16]		Mascot
1936.9077	1936.8918	-0.0159	-8	513	529	ISKDAGMPIQGQPCFCK				Carbamidomethyl (C)[14,16]		Mascot

27	striated muscle preferentially expressed protein kinase [Danio rerio]				gi 55741920	333474.3	8.12	13	38	0	28	60.07					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
842.4189	842.4983	0.0794	94	887	892	KMTQYR				Oxidation (M)[2]		Mascot
888.4032	888.5164	0.1132	127	1004	1010	GVCYSFR				Carbamidomethyl (C)[3]		Mascot
890.5094	890.4976	-0.0118	-13	713	719	EPLFTRK						Mascot
902.5305	902.5313	0.0008	1	440	447	INLADKTK						Mascot
1095.5542	1095.6724	0.1182	108	1771	1779	TSSLDRNFR						Mascot
1097.6313	1097.6544	0.0231	21	2194	2203	INDSPVLALR						Mascot
1097.6313	1097.6544	0.0231	21	2194	2203	INDSPVLALR	31	78.394				Mascot
1115.5327	1115.6783	0.1456	131	2025	2034	SEESSVPVQR						Mascot
1115.5327	1115.6783	0.1456	131	2025	2034	SEESSVPVQR						Mascot
1149.504	1149.6653	0.1613	140	667	675	MQFDGHRCR						Mascot

1382.6984	1382.7667	0.0683	49	1729	1739	EDYALKLDLMR	Oxidation (M)[10]	Mascot
1434.7886	1434.7498	-0.0388	-27	2073	2085	EVGLGLIGRFSMR		Mascot
1493.6182	1493.7157	0.0975	65	2366	2379	LCDGMNLEACPDGR		Mascot
1695.9138	1695.8778	-0.036	-21	2707	2720	MFIAKIIPYDQQTK		Mascot
1699.9298	1699.9154	-0.0144	-8	698	712	EELICTANLLVIPSK	Carbamidomethyl (C)[5]	Mascot
1699.9298	1699.9154	-0.0144	-8	698	712	EELICTANLLVIPSK	Carbamidomethyl (C)[5]	Mascot
1711.9087	1711.8741	-0.0346	-20	2707	2720	MFIAKIIPYDQQTK	Oxidation (M)[1]	Mascot
1711.9087	1711.8741	-0.0346	-20	2707	2720	MFIAKIIPYDQQTK	Oxidation (M)[1]	Mascot

28 novel protein similar to vertebrate eukaryotic translation elongation factor 2 (EEF2) [Danio rerio] gi|94732996 95091.6 5.9 15 37 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
890.4764	890.4976	0.0212	24	251	257	VEDMIKR					Mascot
1044.4965	1044.4392	-0.0573	-55	489	496	AYNMRVMK			Oxidation (M)[4,7]		Mascot
1070.5265	1070.4707	-0.0558	-52	570	578	KSDPFASYR					Mascot
1115.6241	1115.6783	0.0542	49	587	596	QLCLAKTPNK					Mascot
1115.6241	1115.6783	0.0542	49	587	596	QLCLAKTPNK					Mascot
1121.5078	1121.5836	0.0758	68	687	696	EGVLCANMR					Mascot
1141.6146	1141.5315	-0.0831	-73	829	838	AAHIMADIRK			Oxidation (M)[5]		Mascot
1149.615	1149.6653	0.0503	44	33	42	STLTDWLVS					Mascot
1234.6096	1234.6647	0.0551	45	62	71	DEQERCITIK					Mascot
1338.6833	1338.6855	0.0022	2	414	426	VFSGCVSTGLNVR					Mascot
1382.662	1382.7667	0.1047	76	558	569	DLEEDHACIPLK					Mascot
1395.7048	1395.7166	0.0118	8	414	426	VFSGCVSTGLNVR			Carbamidomethyl (C)[5]		Mascot
1463.7094	1463.8763	0.1669	114	687	699	EGVLCANMRGIR			Oxidation (M)[9]		Mascot
1463.7094	1463.8763	0.1669	114	687	699	EGVLCANMRGIR			Oxidation (M)[9]		Mascot
1475.8329	1475.736	-0.0969	-66	752	764	SVIGNIYGELVRR					Mascot
1699.7852	1699.9154	0.1302	77	385	398	NCDPKAPLMYISK			Carbamidomethyl (C)[2], Oxidation (M)[9,10]		Mascot
1699.7852	1699.9154	0.1302	77	385	398	NCDPKAPLMYISK			Carbamidomethyl (C)[2], Oxidation (M)[9,10]		Mascot
1711.8762	1711.8741	-0.0021	-1	700	714	FEIHDTLTSTAIHR					Mascot
1711.8762	1711.8741	-0.0021	-1	700	714	FEIHDTLTSTAIHR					Mascot
1970.9606	1970.8505	-0.1101	-56	630	645	AQYLAENYKWEVTEAR					Mascot

29 glycerol-3-phosphate dehydrogenase, mitochondrial [Danio rerio] gi|113679506 58913.5 8.81 10 37 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	821.3868	821.4509	0.0641	78	264	270 VCGARCR			Carbamidomethyl (C)[2]		Mascot
	890.4876	890.4976	0.01	11	510	517 MAQVTGKR					Mascot
	1095.5907	1095.6724	0.0817	75	199	207 ALEFFPMLK					Mascot
	1164.6049	1164.552	-0.0529	-45	473	481 DWTPTLYIR					Mascot
	1395.73	1395.7166	-0.0134	-10	504	516 SFEVAKMAQVTGK					Mascot
	1477.7645	1477.8926	0.1281	87	271	283 DVVTGQEFDIRAK					Mascot
	1477.7645	1477.8926	0.1281	87	271	283 DVVTGQEFDIRAK					Mascot
	1493.7417	1493.7157	-0.026	-17	284	297 CVINATGPFTDSLRL					Mascot
	1689.8918	1689.9099	0.0181	11	32	46 NQARLAYVEAQGELK					Mascot
	1699.8246	1699.9154	0.0908	53	94	109 TALVERSDFSSGTSSR					Mascot
	1699.8246	1699.9154	0.0908	53	94	109 TALVERSDFSSGTSSR					Mascot
	2225.2036	2225.0916	-0.112	-50	390	410 RGDVLAASGIRPLVTD PSSK					Mascot
30	GCN2 protein [Danio rerio]				gi 199601442		62048.9	4.77	7	37	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	890.5359	890.4976	-0.0383	-43	364	369 LWRLFR					Mascot
	902.4478	902.5313	0.0835	93	1	7 FEQSHVR					Mascot
	1115.6782	1115.6783	0.0001	0	177	186 IKGEVTLLSR	14	0			Mascot
	1115.6782	1115.6783	0.0001	0	177	186 IKGEVTLLSR					Mascot
	1187.5878	1187.6013	0.0135	11	155	164 LDGCYYAVKR					Mascot
	1699.8901	1699.9154	0.0253	15	41	55 EYPLTVPDTLPADLR					Mascot
	1699.8901	1699.9154	0.0253	15	41	55 EYPLTVPDTLPADLR	0	0			Mascot
	1711.7527	1711.8741	0.1214	71	56	69 DFLNRCVCLDDADR	3	0	Carbamidomethyl (C)[6]		Mascot
	1711.7527	1711.8741	0.1214	71	56	69 DFLNRCVCLDDADR			Carbamidomethyl (C)[6]		Mascot
	1721.8051	1721.8861	0.081	47	539	553 SDLLPPQMEESLH					Mascot
	1737.8	1737.9032	0.1032	59	539	553 SDLLPPQMEESLH			Oxidation (M)[9]		Mascot
31	PREDICTED: VPS10 domain-containing receptor SorCS3-like, partial [Danio rerio]				gi 326664238		117642.8	6.09	13	36	0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	902.4617	902.5313	0.0696	77	305	311 TYITYNK					Mascot

	1044.4819	1044.4392	-0.0427	-41	833	840	SEDFLFMR										Mascot
	1070.5299	1070.4707	-0.0592	-55	595	603	GVKEMYTAR						Oxidation (M)[5]				Mascot
	1095.6058	1095.6724	0.0666	61	119	126	KWQLVHER										Mascot
	1115.5844	1115.6783	0.0939	84	305	313	TYITYNKGR										Mascot
	1115.5844	1115.6783	0.0939	84	305	313	TYITYNKGR										Mascot
	1215.6045	1215.5856	-0.0189	-16	132	141	FYWSVTGLDK										Mascot
	1259.6167	1259.5645	-0.0522	-41	423	432	HLWISFDEGR										Mascot
	1395.7631	1395.7166	-0.0465	-33	259	270	GIYFTLALENV										Mascot
	1493.8798	1493.7157	-0.1641	-110	408	422	GGALVAVKQPTVPTR										Mascot
	1711.7428	1711.8741	0.1313	77	516	529	RPGNYCMVGWDNSR	4		0	Carbamidomethyl (C)[6]						Mascot
	1711.7428	1711.8741	0.1313	77	516	529	RPGNYCMVGWDNSR				Carbamidomethyl (C)[6]						Mascot
	1739.9438	1739.9099	-0.0339	-19	259	273	GIYFTLALENVRTSR										Mascot
	2563.2498	2563.3469	0.0971	38	784	806	TIAIQGKVYTFECVTEENA SFGR										Mascot
	2645.1331	2645.325	0.1919	73	142	163	EFDLVHMEATPDGHCQ YVTCR				Carbamidomethyl (C)[16]						Mascot
32	Myo1bl2 protein [Danio rerio]				gi 197247094		28225.8	9.46	9	35	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
868.441	868.5146	0.0736	85	47	53	KATYEEK						Mascot
890.4288	890.4976	0.0688	77	2	9	PSMSPIDK				Oxidation (M)[3]		Mascot
996.4996	996.5853	0.0857	86	40	47	SQFTEEEK						Mascot
1121.6201	1121.5836	-0.0365	-33	54	63	LAASELFKDK						Mascot
1141.5306	1141.5315	0.0009	1	189	199	LYCTGAASAER						Mascot
1187.5691	1187.6013	0.0322	27	38	46	YRSQFTEEK						Mascot
1324.7219	1324.6707	-0.0512	-39	240	251	NNRLLEVSVPSP						Mascot
1666.8217	1666.8589	0.0372	22	223	237	FIQGTPKNSNSVSCK				Carbamidomethyl (C)[14]		Mascot
1937.0378	1936.8918	-0.146	-75	200	215	NQIKIDISDEFLVQFK						Mascot
1937.0378	1936.8918	-0.146	-75	200	215	NQIKIDISDEFLVQFK						Mascot

33 calcium-binding protein 39 [Danio rerio] gi|50344946 39766.6 6.22 9 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
882.5155	882.556	0.0405	46	190	196	DLLTRHK						Mascot
888.4937	888.5164	0.0227	26	280	287	VFVANPNK						Mascot
890.495	890.4976	0.0026	3	258	264	LMMNLLR						Mascot

	1097.5771	1097.6544	0.0773	70	8	17	SHKCPADIVK										Mascot
	1097.5771	1097.6544	0.0773	70	8	17	SHKCPADIVK										Mascot
	1149.6118	1149.6653	0.0535	47	258	266	LMMNLLRDK				Oxidation (M)[2]						Mascot
	1157.6346	1157.5298	-0.1048	-91	11	20	CPADIVKNLK				Carbamidomethyl (C)[1]						Mascot
	1379.7106	1379.7249	0.0143	10	269	279	NIQFEAFHVFK										Mascot
	1622.8438	1622.832	-0.0118	-7	267	279	SRNIQFEAFHVFK										Mascot
	1622.8438	1622.832	-0.0118	-7	267	279	SRNIQFEAFHVFK										Mascot
	1751.8455	1751.949	0.1035	59	133	148	GYESPDIALNCGIMLR										Mascot
	1767.8405	1767.9484	0.1079	61	133	148	GYESPDIALNCGIMLR				Oxidation (M)[14]						Mascot

34 PREDICTED: tetratricopeptide repeat protein 34-like [Danio rerio] gi|326679115 119668.1 7.99 14 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4791	882.556	0.0769	87	126	133	QTPQPVGR					Mascot
996.4791	996.5853	0.1062	107	656	663	HCHTASKR			Carbamidomethyl (C)[2]		Mascot
1179.6302	1179.5874	-0.0428	-36	1028	1036	QRLAEMYLR					Mascot
1215.6514	1215.5856	-0.0658	-54	350	359	EAVLMRPDLR			Oxidation (M)[5]		Mascot
1324.6791	1324.6707	-0.0084	-6	948	959	AACLAQLGLHDR			Carbamidomethyl (C)[3]		Mascot
1395.7526	1395.7166	-0.036	-26	393	404	LADCLLLRGEHR					Mascot
1493.8435	1493.7157	-0.1278	-86	177	188	ERQTQHVELIHK					Mascot
1608.8387	1608.8176	-0.0211	-13	946	959	QRAACLAQLGLHDR			Carbamidomethyl (C)[5]		Mascot
1608.8387	1608.8176	-0.0211	-13	946	959	QRAACLAQLGLHDR			Carbamidomethyl (C)[5]		Mascot
1622.8068	1622.832	0.0252	16	376	390	ALCHLEPDGGGRELR					Mascot
1622.8068	1622.832	0.0252	16	376	390	ALCHLEPDGGGRELR					Mascot
1812.8875	1812.8676	-0.0199	-11	318	334	QQFQSLFSDSIGTAAAR					Mascot
1990.8997	1991.0699	0.1702	85	472	489	MMAGSHYLTALDYATAS R			Oxidation (M)[1,2]		Mascot
1990.8997	1991.0699	0.1702	85	472	489	MMAGSHYLTALDYATAS R			Oxidation (M)[1,2]		Mascot
2587.3872	2587.3228	-0.0644	-25	628	650	KLINSGDTTCLRPLLSVTS LQDR			Carbamidomethyl (C)[10]		Mascot
2627.2705	2627.3389	0.0684	26	723	744	QPDNVQSLCGRAFTYLM LNQQK			Carbamidomethyl (C)[9], Oxidation (M)[17]		Mascot
2645.2368	2645.325	0.0882	33	100	123	MESVMQGTGQASDEIFA RCSALLK			Carbamidomethyl (C)[19], Oxidation (M)[1]		Mascot

35 novel protein (zgc:77855) [Danio rerio] gi|55963407 33960.8 5.02 8 35 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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36 ERBB receptor feedback inhibitor 1 [Danio rerio] gi|134133290 50478.6 9.21 9 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.425	882.556	0.131	148	191	197	YGMPSTR			Oxidation (M)[3]		Mascot
1382.7097	1382.7667	0.057	41	332	344	EPLSACPRTSPK					Mascot
1477.8009	1477.8926	0.0917	62	69	81	VLPTSYSAVEKQR					Mascot
1477.8009	1477.8926	0.0917	62	69	81	VLPTSYSAVEKQR					Mascot
1666.7906	1666.8589	0.0683	41	30	44	GSHWHSMAGAKPSWK					Mascot
1723.7969	1723.9097	0.1128	65	260	275	SHSGPAGCFNKTASFR			Carbamidomethyl (C)[8]		Mascot
1990.8964	1991.0699	0.1735	87	201	218	GCGQINYAYFEGPTSQQK					Mascot
1990.9031	1991.0699	0.1668	84	374	391	QNSEGSPCILPVMENGMK			Carbamidomethyl (C)[8]		Mascot
2284.0498	2284.1487	0.0989	43	30	49	GSHWHSMAGAKPSWKCNDLR			Oxidation (M)[7]		Mascot
2563.4507	2563.3469	-0.1038	-40	282	303	YTHNLDKPEVPPRPIPPRIK					Mascot

37 PREDICTED: mitogen-activated protein kinase kinase 2-like [Danio rerio] gi|68361880 69346.8 6.37 11 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1215.6077	1215.5856	-0.0221	-18	34	44	ASSPKNQNDVR					Mascot
1259.5725	1259.5645	-0.008	-6	374	384	VFLCYDADTGR					Mascot
1338.7012	1338.6855	-0.0157	-12	455	466	SYGALTENVTRK					Mascot
1477.6805	1477.8926	0.2121	144	390	402	QVQFDPDPSPETSK					Mascot
1477.6805	1477.8926	0.2121	144	390	402	QVQFDPDPSPETSK					Mascot
1493.7343	1493.7157	-0.0186	-12	496	510	DSAGNVKLGDFGASR					Mascot
1689.8226	1689.9099	0.0873	52	436	450	TLSIFMEYMPGGSIK			Oxidation (M)[6]		Mascot

	1813.0217	1812.8676	-0.1541	-85	55	70	ILQFPRPVSLDLSAK											Mascot
	1955.092	1954.8512	-0.2408	-123	20	38	SSRPSVLSDLAKPKASSP K											Mascot
	2284.0989	2284.1487	0.0498	22	431	450	DTHEKTLISIFMEYMPGGS IK											Mascot
	2587.3086	2587.3228	0.0142	5	577	599	IATQPTNPTLPPHVSDHC RDFLK											Mascot
	2938.3716	2938.4805	0.1089	37	234	257	MPRALSYPDNHQEFPEY DIPVFEK						Oxidation (M)[1]					Mascot
38	novel protein [Danio rerio]						gi 126540716	8191	6.01	2	34	0	21	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1097.679	1097.6544	-0.0246	-22	2	11	PSRVSVAILR					Mascot
1097.679	1097.6544	-0.0246	-22	2	11	PSRVSVAILR	21		0		Mascot
1515.6863	1515.7296	0.0433	29	43	54	QHSEFYVDHPEK					Mascot

39 novel protein similar to human ankyrin repeat and MYND domain containing 1 (ANKMY1) [Danio rerio]

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1141.651	1141.5315	-0.1195	-105	391	400	CVRLPVVNGK			Carbamidomethyl (C)[1]		Mascot
1338.6913	1338.6855	-0.0058	-4	265	275	TPYHALSKHER					Mascot
1382.7247	1382.7667	0.042	30	401	412	SNSGRIEPNRPR					Mascot
1434.7556	1434.7498	-0.0058	-4	282	293	RQLLGMLMGDLMR			Oxidation (M)[7,11]		Mascot
1549.7172	1549.8157	0.0985	64	227	241	AGADVLMPVMVCDGR			Oxidation (M)[7]		Mascot
1622.7335	1622.832	0.0985	61	227	241	AGADVLMPVMVCDGR			Carbamidomethyl (C)[12], Oxidation (M)[7,10]		Mascot
1622.7335	1622.832	0.0985	61	227	241	AGADVLMPVMVCDGR			Carbamidomethyl (C)[12], Oxidation (M)[7,10]		Mascot
1689.8234	1689.9099	0.0865	51	227	242	AGADVLMPVMVCDGRR					Mascot
1721.8131	1721.8861	0.073	42	227	242	AGADVLMPVMVCDGRR			Oxidation (M)[7,10]		Mascot
1937.016	1936.8918	-0.1242	-64	42	58	LLECGARTDIPLPEQK			Carbamidomethyl (C)[4]		Mascot
1937.016	1936.8918	-0.1242	-64	42	58	LLECGARTDIPLPEQK			Carbamidomethyl (C)[4]		Mascot
2211.0745	2211.0786	0.0041	2	321	341	SAVTSSLLNSPESISRMS CNK					Mascot
2284.0908	2284.1487	0.0579	25	321	341	SAVTSSLLNSPESISRMS CNK			Carbamidomethyl (C)[19], Oxidation (M)[17]		Mascot
2645.1475	2645.325	0.1775	67	357	379	SVGVHLTACSRCEVYY CSNTCR			Carbamidomethyl (C)[9]		Mascot

40 PREDICTED: zinc finger protein 622 [Danio rerio]

gi|292610913 56305.1 5.71 11 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
868.4635	868.5146	0.0511	59	134	140 HQQAEKK					Mascot
888.3945	888.5164	0.1219	137	380	387 DGELPDDK					Mascot
890.4954	890.4976	0.0022	2	417	423 QRFGVQR					Mascot
1044.5684	1044.4392	-0.1292	-124	156	165 NLEKGAGLDK					Mascot
1164.5643	1164.552	-0.0123	-11	51	60 VQFSDGEVQR					Mascot
1179.5649	1179.5874	0.0225	19	318	327 VCLWCNEKGK					Mascot
1187.6378	1187.6013	-0.0365	-31	141	151 ALATAQETVQR					Mascot
1434.7231	1434.7498	0.0267	19	313	325 VGVGKVCLWCNEK					Mascot
1689.8589	1689.9099	0.051	30	141	155 ALATAQETVQRMNEK					Mascot
1699.8394	1699.9154	0.076	45	1	15 MKQLEVIDFVCSGSK			Oxidation (M)[1]		Mascot
1699.8394	1699.9154	0.076	45	1	15 MKQLEVIDFVCSGSK			Oxidation (M)[1]		Mascot
1739.7983	1739.9099	0.1116	64	119	133 FSTDNAYTNHIQSNK					Mascot

41 PREDICTED: ninein [Danio rerio] gi|326673087 160970.7 4.92 18 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
821.3709	821.4509	0.08	97	612	618 AMVDEEK					Mascot
868.4886	868.5146	0.026	30	1200	1207 HLEALSAK					Mascot
888.5148	888.5164	0.0016	2	1077	1083 TEKELLR					Mascot
1044.5432	1044.4392	-0.104	-100	1175	1182 EENQQLKR					Mascot
1070.4684	1070.4707	0.0023	2	533	540 RSYEEQCR					Mascot
1157.6161	1157.5298	-0.0863	-75	824	833 EALQAVLEER					Mascot
1164.5314	1164.552	0.0206	18	641	649 GEMERELER			Oxidation (M)[3]		Mascot
1179.6256	1179.5874	-0.0382	-32	383	392 FLDLTAEKLG					Mascot
1234.6824	1234.6647	-0.0177	-14	277	288 ISCALSSIALR					Mascot
1259.6128	1259.5645	-0.0483	-38	840	848 LRQQWDEER					Mascot
1382.7208	1382.7667	0.0459	33	366	376 HLLECVDLERR					Mascot
1463.6907	1463.8763	0.1856	127	964	975 TDIAEQRSEVCR			Carbamidomethyl (C)[11]		Mascot
1463.6907	1463.8763	0.1856	127	964	975 TDIAEQRSEVCR			Carbamidomethyl (C)[11]		Mascot
1555.6805	1555.7247	0.0442	28	534	545 SYEEQCRELQDR					Mascot
1666.8065	1666.8589	0.0524	31	1182	1195 RQMNELSSELQTSK			Oxidation (M)[3]		Mascot
1695.8846	1695.8778	-0.0068	-4	362	375 AEIRHLLECVDLER					Mascot
1739.8494	1739.9099	0.0605	35	895	908 QHKEALQACLEQER			Carbamidomethyl (C)[9]		Mascot
1936.9585	1936.8918	-0.0667	-34	1158	1174 VWAELSGLMEAEHSLK					Mascot

	1936.9585	1936.8918	-0.0667	-34	1158	1174	VWAELSGLMEAEHSLK										Mascot
	2284.1616	2284.1487	-0.0129	-6	849	867	ASMENKHHALLQLQE ER										Mascot
42	novel NACHT domain containing protein [Danio rerio]										gi 169158294	81351.9	5.71	12	34	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4791	882.556	0.0769	87	670	676	EIQSHLR					Mascot
902.44	902.5313	0.0913	101	370	377	IPADCIDR					Mascot
1044.5908	1044.4392	-0.1516	-145	298	306	GLNLTRNTR					Mascot
1097.5183	1097.6544	0.1361	124	577	585	DESMIDFLK					Mascot
1097.5183	1097.6544	0.1361	124	577	585	DESMIDFLK					Mascot
1157.5909	1157.5298	-0.0611	-53	8	17	DSLSEKHSVR					Mascot
1164.6047	1164.552	-0.0527	-45	75	83	WIFQNLESK					Mascot
1234.7041	1234.6647	-0.0394	-32	633	642	EEIIAYIKQK					Mascot
1338.694	1338.6855	-0.0085	-6	287	297	DLITQFFPETK					Mascot
1434.6755	1434.7498	0.0743	52	522	534	ASVYSGMCTQIFK					Mascot
1463.7377	1463.8763	0.1386	95	98	109	ILQEENSQEFVK					Mascot
1463.7377	1463.8763	0.1386	95	98	109	ILQEENSQEFVK					Mascot
1555.8551	1555.7247	-0.1304	-84	616	628	QLLRGLLTQQDDR					Mascot
1812.9564	1812.8676	-0.0888	-49	120	134	EAALDLTLFFLREMK			Oxidation (M)[14]		Mascot

43	novel protein similar to vertebrate transmembrane protein 16H (TMEM16H) [Danio rerio]										gi 169158193	112029.6	5.99	9	34	0	21	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
890.5094	890.4976	-0.0118	-13	449	455	QFLQNIK					Mascot
1115.6782	1115.6783	0.0001	0	2	11	SSAVLEKLLR	21	0			Mascot
1115.6782	1115.6783	0.0001	0	2	11	SSAVLEKLLR					Mascot
1121.4891	1121.5836	0.0945	84	614	624	AAGGENNTMEK					Mascot
1149.6626	1149.6653	0.0027	2	520	529	SLISSYRVPK					Mascot
1463.8654	1463.8763	0.0109	7	437	448	LKEMLATLLIFR			Oxidation (M)[4]		Mascot
1463.8654	1463.8763	0.0109	7	437	448	LKEMLATLLIFR			Oxidation (M)[4]		Mascot
1515.7537	1515.7296	-0.0241	-16	527	540	VPKTEEVDDDAGLK					Mascot
1549.7825	1549.8157	0.0332	21	493	505	IRLTCQASLDMNK			Carbamidomethyl (C)[5]		Mascot
1555.7097	1555.7247	0.015	10	203	215	QPLDDVCDYFGVK			Carbamidomethyl (C)[7]		Mascot

1666.921 1666.8589 -0.0621 -37 174 186 RVILQMFLHEQR Mascot

44 heat shock factor 2 [Danio rerio] gi|33468692 55494.6 4.58 9 34 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1044.4932	1044.4392	-0.054	-52	64	71	QLNMYGFR			Oxidation (M)[4]		Mascot
1095.6633	1095.6724	0.0091	8	198	207	RPLALNINGK					Mascot
1164.5015	1164.552	0.0505	43	397	406	ENLDSENTDK					Mascot
1463.6953	1463.8763	0.181	124	86	97	DGPVEFQHPYFK					Mascot
1463.6953	1463.8763	0.181	124	86	97	DGPVEFQHPYFK					Mascot
1475.7675	1475.736	-0.0315	-21	1	13	MKHSSNVPAFLTK			Oxidation (M)[1]		Mascot
1477.6765	1477.8926	0.2161	146	394	406	ANKENLDSENTDK					Mascot
1477.6765	1477.8926	0.2161	146	394	406	ANKENLDSENTDK					Mascot
1739.8751	1739.9099	0.0348	20	211	224	FIHQLFEEDIDHSK					Mascot
1955.0021	1954.8512	-0.1509	-77	209	224	SKFIHQLFEEDIDHSK					Mascot
2627.3457	2627.3389	-0.0068	-3	129	151	ILTSVQSVHEQQENMDA RLATLK			Oxidation (M)[15]		Mascot

45 si:dkey-172o19.1 [Danio rerio] gi|157676729 60016.7 8.74 8 33 0 9 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.5206	842.4983	-0.0223	-26	111	117	LRANQLK					Mascot
1097.6942	1097.6544	-0.0398	-36	362	369	LLWILQRR					Mascot
1097.6942	1097.6544	-0.0398	-36	362	369	LLWILQRR					Mascot
1157.5983	1157.5298	-0.0685	-59	378	388	SPVCTAPVEVR					Mascot
1338.7991	1338.6855	-0.1136	-85	459	470	VIVLPEGTLEIR					Mascot
1555.775	1555.7247	-0.0503	-32	209	221	YLSVASLEEQNFR					Mascot
1740.0013	1739.9099	-0.0914	-53	455	470	STGRVIVLPEGTLEIR					Mascot
1812.9279	1812.8676	-0.0603	-33	433	448	AEGDPTPVIFWISQRR					Mascot
1991.0491	1991.0699	0.0208	10	416	432	LQQLTAREGQVVSFVCR	9	0	Carbamidomethyl (C)[16]		Mascot
1991.0491	1991.0699	0.0208	10	416	432	LQQLTAREGQVVSFVCR			Carbamidomethyl (C)[16]		Mascot

46 PREDICTED: hypothetical protein LOC562947 [Danio rerio] gi|292610701 116105.4 5.91 9 33 0 21 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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		890.5094	890.4976	-0.0118	-13	449	455	QFLQNIK								Mascot
		1115.6782	1115.6783	0.0001	0	2	11	SSAVLEKLLR	21	0						Mascot
		1115.6782	1115.6783	0.0001	0	2	11	SSAVLEKLLR								Mascot
		1121.4891	1121.5836	0.0945	84	614	624	AAGGENNTEK								Mascot
		1149.6626	1149.6653	0.0027	2	520	529	SLISSYRVPK								Mascot
		1463.8654	1463.8763	0.0109	7	437	448	LKEMLATLLIFR			Oxidation (M)[4]					Mascot
		1463.8654	1463.8763	0.0109	7	437	448	LKEMLATLLIFR			Oxidation (M)[4]					Mascot
		1515.7537	1515.7296	-0.0241	-16	527	540	VPKTEEVDDDAGLK								Mascot
		1549.7825	1549.8157	0.0332	21	493	505	IRLTCQASLDMNK			Carbamidomethyl (C)[5]					Mascot
		1555.7097	1555.7247	0.015	10	203	215	QPLDDVCDYFGVK			Carbamidomethyl (C)[7]					Mascot
		1666.921	1666.8589	-0.0621	-37	174	186	RVILQMFPLHEQR								Mascot
47	PREDICTED: hypothetical protein LOC568908 [Danio rerio]	gi 326666001	246789.2	9.26	1					29	63.308					
	Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type		
		1097.679	1097.6544	-0.0246	-22	720	729	RLSTPAIALR	29	63.308		3	Mascot			
48	SPEG complex locus [Danio rerio]	gi 123295462	333650.8	8.15	1					28	60.07					
	Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type		
		1097.6313	1097.6544	0.0231	21	2193	2202	INDSPVLALR	31	78.394		2	Mascot			
49	hypothetical protein LOC557841 [Danio rerio]	gi 165972361	51603.5	6.11	1					20	0					
	Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type		
		1097.5837	1097.6544	0.0707	64	57	66	DDPPSNLVLK	20	0		5	Mascot			
50	PREDICTED: hypothetical protein LOC100536674 [Danio rerio]	gi 326678668	141952.3	9.22	1					20	0					
	Peptide Information															
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type		
		1115.6354	1115.6783	0.0429	38	263	271	VMKPEARIR	20	0	Oxidation (M)[2]	4	Mascot			

Gel Idx/Pos	271/K23	Instr./Gel Origin	BA2060/110707A	Process Status	Analysis Succeeded
Plate [#] Name	[1] 31496	Instrument Sample Name		Spectra	11

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %
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1	fast skeletal myosin alkali light chain 1 [Danio rerio]	gi 41053385	20918.4	4.63	12	441	100	344	100
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
959.5771	959.5641	-0.013	-14	150	158 IVLSTLGEK					Mascot
1010.5305	1010.5165	-0.014	-14	53	60 EAFLLFDR	66	99.993			Mascot
1010.5305	1010.5165	-0.014	-14	53	60 EAFLLFDR					Mascot
1293.662	1293.6469	-0.0151	-12	66	76 VAYNQIADIMR	90	100			Mascot
1293.662	1293.6469	-0.0151	-12	66	76 VAYNQIADIMR					Mascot
1301.6008	1301.5853	-0.0155	-12	123	133 ATYDDYVEGLR	102	100			Mascot
1301.6008	1301.5853	-0.0155	-12	123	133 ATYDDYVEGLR					Mascot
1309.6569	1309.642	-0.0149	-11	66	76 VAYNQIADIMR	17	0	Oxidation (M)[10]		Mascot
1309.6569	1309.642	-0.0149	-11	66	76 VAYNQIADIMR			Oxidation (M)[10]		Mascot
1543.7897	1543.7684	-0.0213	-14	90	103 ILGNPTADDMVNKR					Mascot
1559.7847	1559.7657	-0.019	-12	90	103 ILGNPTADDMVNKR			Oxidation (M)[10]		Mascot
1560.6636	1560.6442	-0.0194	-12	41	52 LDFTQDQMEDYR					Mascot
1576.6584	1576.6393	-0.0191	-12	41	52 LDFTQDQMEDYR	55	99.915	Oxidation (M)[8]		Mascot
1576.6584	1576.6393	-0.0191	-12	41	52 LDFTQDQMEDYR			Oxidation (M)[8]		Mascot
1722.8479	1722.8202	-0.0277	-16	134	149 VFDKEGNGTVMGAELR					Mascot
1738.8428	1738.8202	-0.0226	-13	134	149 VFDKEGNGTVMGAELR			Oxidation (M)[11]		Mascot
2190.1262	2190.1038	-0.0224	-10	104	122 VDFEGFLPMLQVVINNP K			Oxidation (M)[9]		Mascot
2233.1394	2233.052	-0.0874	-39	66	85 VAYNQIADIMRALGQNPT NK			Oxidation (M)[10]		Mascot
2330.2324	2330.2039	-0.0285	-12	103	122 RVD FEGFLPMLQVVINNP NK					Mascot
2346.2273	2346.1995	-0.0278	-12	103	122 RVD FEGFLPMLQVVINNP NK			Oxidation (M)[10]		Mascot
2346.2273	2346.1995	-0.0278	-12	103	122 RVD FEGFLPMLQVVINNP NK	31	79.655	Oxidation (M)[10]		Mascot
2568.1711	2568.1582	-0.0129	-5	41	60 LDFTQDQMEDYREAFLL FDR			Oxidation (M)[8]		Mascot
3109.3071	3109.2981	-0.009	-3	159	185 MSEAEIDALMQGQEDEN GCVNYEAFVK			Carbamidomethyl (C)[19], Oxidation (M)[1,10]		Mascot

2	myosin, light chain 6, alkali, smooth muscle and non-muscle [Danio rerio]	gi 54400408	16926	4.43	2	75	99.846	66	99.993
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Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
	1010.5305	1010.5165	-0.014	-14	14	21	EAFLLFDR	66	99.993		Mascot
	1010.5305	1010.5165	-0.014	-14	14	21	EAFLLFDR				Mascot
	1722.8479	1722.8202	-0.0277	-16	95	110	VFDKEGNGTVMGAELR				Mascot
	1738.8428	1738.8202	-0.0226	-13	95	110	VFDKEGNGTVMGAELR			Oxidation (M)[11]	Mascot
3	Zgc:153867 protein [Danio rerio]				gi 94574333		18621.1	4.67	2	74 99.827 66	99.993

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
	1010.5305	1010.5165	-0.014	-14	31	38	EAFLLFDR	66	99.993		Mascot
	1010.5305	1010.5165	-0.014	-14	31	38	EAFLLFDR				Mascot
	1722.8479	1722.8202	-0.0277	-16	112	127	VFDKEGNGTVMGAELR				Mascot
	1738.8428	1738.8202	-0.0226	-13	112	127	VFDKEGNGTVMGAELR			Oxidation (M)[11]	Mascot
4	Zgc:153867 protein [Danio rerio]				gi 55250139		19069.4	4.73	2	74 99.823 66	99.993

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
	1010.5305	1010.5165	-0.014	-14	35	42	EAFLLFDR	66	99.993		Mascot
	1010.5305	1010.5165	-0.014	-14	35	42	EAFLLFDR				Mascot
	1722.8479	1722.8202	-0.0277	-16	116	131	VFDKEGNGTVMGAELR				Mascot
	1738.8428	1738.8202	-0.0226	-13	116	131	VFDKEGNGTVMGAELR			Oxidation (M)[11]	Mascot
5	Zgc:153867 protein [Danio rerio]				gi 78070496		19320.5	4.8	2	74 99.819 66	99.993

Peptide Information											
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank Result Type
	1010.5305	1010.5165	-0.014	-14	37	44	EAFLLFDR	66	99.993		Mascot
	1010.5305	1010.5165	-0.014	-14	37	44	EAFLLFDR				Mascot
	1722.8479	1722.8202	-0.0277	-16	118	133	VFDKEGNGTVMGAELR				Mascot
	1738.8428	1738.8202	-0.0226	-13	118	133	VFDKEGNGTVMGAELR			Oxidation (M)[11]	Mascot
6	hypothetical protein LOC100158490 [Xenopus (Silurana) tropicalis]				gi 189230156		18396.6	4.37	1	70 99.585 66	99.993

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	1010.5305	1010.5165	-0.014	-14	14	21 EAFLLFDR	66	99.993			Mascot
	1010.5305	1010.5165	-0.014	-14	14	21 EAFLLFDR					Mascot

7 MCM6 minichromosome maintenance deficient 6, like [Danio rerio] gi|70887711 93152.1 5.23 15 52 69.914

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	856.49	856.5181	0.0281	33	87	93 AVRHFAR					Mascot
	996.5261	996.5831	0.057	57	194	201 FVDFQKGR					Mascot
	1010.4975	1010.5165	0.019	19	168	175 YTQPTICK			Carbamidomethyl (C)[7]		Mascot
	1010.4975	1010.5165	0.019	19	168	175 YTQPTICK			Carbamidomethyl (C)[7]		Mascot
	1165.6252	1165.5731	-0.0521	-45	747	755 SELINWYLK					Mascot
	1165.6252	1165.7286	0.1034	89	747	755 SELINWYLK					Mascot
	1165.6252	1165.7286	0.1034	89	747	755 SELINWYLK					Mascot
	1234.7228	1234.6627	-0.0601	-49	361	372 GILLMLFGGVAK			Oxidation (M)[5]		Mascot
	1277.6195	1277.6964	0.0769	60	321	330 NQMTVLEWEK					Mascot
	1293.6321	1293.6469	0.0148	11	268	279 EGFETDGIQGLK					Mascot
	1293.6321	1293.6469	0.0148	11	268	279 EGFETDGIQGLK					Mascot
	1325.7899	1325.6357	-0.1542	-116	212	223 GSIPRSVEVILR					Mascot
	1357.8162	1357.6971	-0.1191	-88	119	130 ELSTVRIGTLLR					Mascot
	1475.7502	1475.7354	-0.0148	-10	90	102 HFARDHGNIPPSK					Mascot
	1675.8618	1675.813	-0.0488	-29	509	523 SLKQNVNMSAPIMSR					Mascot
	1707.8306	1707.7535	-0.0771	-45	168	182 YTQPTICKNPVCANR					Mascot
	2211.1875	2211.0769	-0.1106	-50	361	381 GILLMLFGGVAKTTMEGT SLR			Oxidation (M)[5]		Mascot
	2523.2734	2523.3225	0.0491	19	138	160 THPVHPELVSGTFLCLDC QSVIK					Mascot
	2523.2734	2523.3225	0.0491	19	138	160 THPVHPELVSGTFLCLDC QSVIK					Mascot
	2545.2637	2545.2864	0.0227	9	459	480 MDLKDQVAIHEAMEQQTI SITK			Oxidation (M)[1]		Mascot

8 finTRIM family protein [Danio rerio] gi|208019355 19958.9 7.27 8 45 0

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
	801.4577	801.342	-0.1157	-144	146	151 LQERQK					Mascot

	1179.5865	1179.5854	-0.0011	-1	137	145	ETQSRFQQR											Mascot
	1193.5658	1193.6003	0.0345	29	118	128	HHDTVSAAAER											Mascot
	1293.6838	1293.6469	-0.0369	-29	165	174	RSDIDLWYIL											Mascot
	1293.6838	1293.6469	-0.0369	-29	165	174	RSDIDLWYIL											Mascot
	1993.8387	1993.948	0.1093	55	102	117	TDHCCICYLCVVDQHK					Carbamidomethyl (C)[4,5]						Mascot
	2299.1145	2299.1499	0.0354	15	47	65	AVKSCLVCLNSYCLTHFQ R					Carbamidomethyl (C)[5,8]						Mascot
	2330.1116	2330.2039	0.0923	40	20	44	LQAAGPAQSPAASGDVE CVVCTGAK											Mascot
	2545.2385	2545.2864	0.0479	19	18	44	SKLQAAGPAQSPAASGD VECVCTGAK											Mascot
9	Cul4a protein [Danio rerio]				gi 182889784		73439.7	6.31	7	44	0	35	92.528					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1010.5669	1010.5165	-0.0504	-50	136	143	SIFLFLDR	35	92.528				Mascot
1010.5669	1010.5165	-0.0504	-50	136	143	SIFLFLDR						Mascot
1234.6976	1234.6627	-0.0349	-28	83	92	VSPMLYKQLR						Mascot
1277.765	1277.6964	-0.0686	-54	417	426	ILDKIMIIFR				Oxidation (M)[6]		Mascot
1301.7059	1301.5853	-0.1206	-93	600	611	VATGIEEGELKR						Mascot
1301.7059	1301.5853	-0.1206	-93	600	611	VATGIEEGELKR						Mascot
1316.7419	1316.5748	-0.1671	-127	446	458	LLVGKSASVDAEK						Mascot
1475.6971	1475.7354	0.0383	26	404	416	AGNKEATEEELER						Mascot
1560.6417	1560.6442	0.0025	2	355	367	DQMDSVTQSCFQR				Oxidation (M)[3]		Mascot

10	protein cereblon [Danio rerio]				gi 51591891		49063.5	5.86	7	44	0	22	0					
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4814	850.5318	0.0504	59	242	248	TLMSRVK				Oxidation (M)[3]		Mascot
1010.4281	1010.5165	0.0884	87	300	307	CELDIMDR	22	0		Oxidation (M)[6]		Mascot
1010.4281	1010.5165	0.0884	87	300	307	CELDIMDR				Oxidation (M)[6]		Mascot
1109.4503	1109.4769	0.0266	24	383	391	TCSSHMGWK				Carbamidomethyl (C)[2], Oxidation (M)[6]		Mascot
1193.6385	1193.6003	-0.0382	-32	203	212	HTQTTPPQKR						Mascot
1279.6133	1279.7506	0.1373	107	298	307	LRCELDIMDR				Oxidation (M)[8]		Mascot
1320.6399	1320.575	-0.0649	-49	298	307	LRCELDIMDR				Carbamidomethyl (C)[3]		Mascot
1475.7164	1475.7354	0.019	13	124	136	AEFGTTAEIYAFR						Mascot
2282.2061	2282.1521	-0.054	-24	410	431	SALLPTIPQGEEGVEGSR LLCL						Mascot

11 novel protein similar to MCM6 minichromosome maintenance deficient 6, mitotin (*S. cerevisiae*) (mcm6) gi|169158286 93177.2 5.26 13 41 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.49	856.5181	0.0281	33	87	93	AVRH FAR					Mascot
1010.4975	1010.5165	0.019	19	168	175	YTQPTICK			Carbamidomethyl (C)[7]		Mascot
1010.4975	1010.5165	0.019	19	168	175	YTQPTICK			Carbamidomethyl (C)[7]		Mascot
1165.6252	1165.5731	-0.0521	-45	747	755	SELINWYLK					Mascot
1165.6252	1165.7286	0.1034	89	747	755	SELINWYLK					Mascot
1165.6252	1165.7286	0.1034	89	747	755	SELINWYLK					Mascot
1234.7228	1234.6627	-0.0601	-49	361	372	GILLMLFGGVAK			Oxidation (M)[5]		Mascot
1277.6195	1277.6964	0.0769	60	321	330	NQMTVLEWEK					Mascot
1293.6144	1293.6469	0.0325	25	321	330	NQMTVLEWEK			Oxidation (M)[3]		Mascot
1293.6144	1293.6469	0.0325	25	321	330	NQMTVLEWEK			Oxidation (M)[3]		Mascot
1325.7899	1325.6357	-0.1542	-116	212	223	GSIPRSVEVILR					Mascot
1357.8162	1357.6971	-0.1191	-88	119	130	ELSTVRIGTLLR					Mascot
1475.7502	1475.7354	-0.0148	-10	90	102	HFARDHGNIPPSK					Mascot
1675.8618	1675.813	-0.0488	-29	509	523	SLKQNVNMSAPIMSR					Mascot
1707.8306	1707.7535	-0.0771	-45	168	182	YTQPTICKNPVCANR					Mascot
2211.1875	2211.0769	-0.1106	-50	361	381	GILLMLFGGVAKTTMEGT SLR			Oxidation (M)[5]		Mascot
2523.2734	2523.3225	0.0491	19	138	160	THPVHPELVSGTFLCLDC QSVIK					Mascot
2523.2734	2523.3225	0.0491	19	138	160	THPVHPELVSGTFLCLDC QSVIK					Mascot
2545.2637	2545.2864	0.0227	9	459	480	MDLKDQVAIHEAMEQQTI SITK			Oxidation (M)[1]		Mascot

12 PREDICTED: hypothetical protein LOC100003217 [Danio rerio] gi|326678765 31640.9 5.2 9 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
842.4114	842.4988	0.0874	104	78	84	SREAHDK					Mascot
1193.5289	1193.6003	0.0714	60	53	62	LCQECGLDAK			Carbamidomethyl (C)[2,5]		Mascot
1277.6704	1277.6964	0.026	20	208	218	LICEMARQIGK			Oxidation (M)[5]		Mascot
1475.7887	1475.7354	-0.0533	-36	66	77	TDLLRLSEEMR					Mascot
1493.6835	1493.7147	0.0312	21	53	65	LCQECGLDAKGSR			Carbamidomethyl (C)[2,5]		Mascot
1838.9792	1838.9033	-0.0759	-41	36	52	VADATYSMSLTVGVIRR					Mascot

	2210.9482	2211.0769	0.1287	58	196	214	DMDSHIGNACMKLICEMAR		Carbamidomethyl (C)[10], Oxidation (M)[2]	Mascot		
	2283.9646	2284.1465	0.1819	80	196	214	DMDSHIGNACMKLICEMAR		Carbamidomethyl (C)[10,15], Oxidation (M)[2,11]	Mascot		
	2299.9597	2300.1455	0.1858	81	196	214	DMDSHIGNACMKLICEMAR		Carbamidomethyl (C)[10,15], Oxidation (M)[2,11,17]	Mascot		
	2346.1799	2346.1995	0.0196	8	132	151	TACEPTLLNFLEPTKPWER			Mascot		
	2346.1799	2346.1995	0.0196	8	132	151	TACEPTLLNFLEPTKPWER			Mascot		
	2568.168	2568.1582	-0.0098	-4	186	207	EEFWSLGLLRDMDSHIGNACMK		Oxidation (M)[12]	Mascot		
13	cullin-4B [Danio rerio]				gi 170932540	99363.2	7.79	8	40	0	35	92.528

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4215	807.3876	-0.0339	-42	250	255	QMIMIR			Oxidation (M)[2]		Mascot
992.453	992.502	0.049	49	750	758	SKDVEDGDK					Mascot
1010.5669	1010.5165	-0.0504	-50	256	263	SIFLFLDR	35	92.528			Mascot
1010.5669	1010.5165	-0.0504	-50	256	263	SIFLFLDR					Mascot
1032.4091	1032.4996	0.0905	88	759	766	FSCNDDFK			Carbamidomethyl (C)[3]		Mascot
1165.6112	1165.5731	-0.0381	-33	661	670	TFYLGKHSGR					Mascot
1165.6112	1165.7286	0.1174	101	661	670	TFYLGKHSGR					Mascot
1165.6112	1165.7286	0.1174	101	661	670	TFYLGKHSGR					Mascot
1279.7266	1279.7506	0.024	19	537	546	MLDKIMIIFR					Mascot
1316.7419	1316.5748	-0.1671	-127	566	578	LLVGKSASVDAEK					Mascot
2545.2466	2545.2864	0.0398	16	264	284	TYVLQNSMLPSIWDMLGELFR			Oxidation (M)[8, 15]		Mascot

14	PREDICTED: hypothetical protein LOC559994 [Danio rerio]				gi 326677062	1030064.3	5.62	46	39	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3478	807.3876	0.0398	49	1925	1931	EADSETR					Mascot
850.5185	850.5318	0.0133	16	8569	8575	IKPFAFK					Mascot
856.5138	856.5181	0.0043	5	1082	1089	LGIIEPSK					Mascot
864.4321	864.4979	0.0658	76	3272	3278	EERAFGR					Mascot
870.5559	870.5313	-0.0246	-28	1536	1542	ALLLWVR					Mascot
882.4679	882.5547	0.0868	98	3102	3108	NLHEELK					Mascot
959.5342	959.5641	0.0299	31	2348	2355	VQMKPQTK					Mascot
1032.5758	1032.4996	-0.0762	-74	6197	6205	QALMITLDK					Mascot

1045.5636	1045.5497	-0.0139	-13	8277	8285	DLEVRSAQK		Mascot
1109.5231	1109.4769	-0.0462	-42	1656	1663	EMKCWLQR	Oxidation (M)[2]	Mascot
1118.5476	1118.4932	-0.0544	-49	5497	5506	ADVFSHTDVK		Mascot
1179.5674	1179.5854	0.018	15	2826	2835	DMDLLSQSVR	Oxidation (M)[2]	Mascot
1193.6195	1193.6003	-0.0192	-16	4707	4717	ALKQGVMTSDK	Oxidation (M)[8]	Mascot
1234.6348	1234.6627	0.0279	23	3360	3370	EQCASLTELK		Mascot
1279.6562	1279.7506	0.0944	74	5890	5900	TLKQDVTMSEK		Mascot
1293.6118	1293.6469	0.0351	27	607	616	FCMYQGLLYR		Mascot
1293.6118	1293.6469	0.0351	27	607	616	FCMYQGLLYR		Mascot
1301.6095	1301.5853	-0.0242	-19	1286	1296	SFLGMAGFYHR	Oxidation (M)[5]	Mascot
1301.6095	1301.5853	-0.0242	-19	1286	1296	SFLGMAGFYHR	Oxidation (M)[5]	Mascot
1308.6947	1308.6404	-0.0543	-41	9022	9032	ALAYTITQNWK		Mascot
1309.6068	1309.642	0.0352	27	607	616	FCMYQGLLYR	Oxidation (M)[3]	Mascot
1309.6068	1309.642	0.0352	27	607	616	FCMYQGLLYR	Oxidation (M)[3]	Mascot
1316.6416	1316.5748	-0.0668	-51	6672	6682	VPEVPHCPEPR	Carbamidomethyl (C)[7]	Mascot
1320.5968	1320.575	-0.0218	-17	8122	8131	WSQYEEVSHR		Mascot
1323.6208	1323.5704	-0.0504	-38	6495	6505	KTESALEEMNR	Oxidation (M)[9]	Mascot
1325.5687	1325.6357	0.067	51	8822	8831	CQCWMELLDK	Carbamidomethyl (C)[1]	Mascot
1331.6664	1331.6158	-0.0506	-38	722	732	FMLVVTDYATR	Oxidation (M)[2]	Mascot
1357.7296	1357.6971	-0.0325	-24	277	287	MLSPQLQVWVR		Mascot
1365.6566	1365.6373	-0.0193	-14	4398	4409	AELESLQTSEMK		Mascot
1434.8467	1434.7489	-0.0978	-68	8569	8580	IKPFAFKLLSDR		Mascot
1475.7522	1475.7354	-0.0168	-11	6801	6813	QEAKILECSVAER		Mascot
1559.8024	1559.7657	-0.0367	-24	398	412	AERSPASTTVEINGK		Mascot
1560.8203	1560.6442	-0.1761	-113	3313	3325	FLTDMESKLHALR		Mascot
1576.8152	1576.6393	-0.1759	-112	3313	3325	FLTDMESKLHALR	Oxidation (M)[5]	Mascot
1576.8152	1576.6393	-0.1759	-112	3313	3325	FLTDMESKLHALR	Oxidation (M)[5]	Mascot
1675.7819	1675.813	0.0311	19	8068	8080	YFQDMQQNLVMVK	Oxidation (M)[5,11]	Mascot
1722.7786	1722.8202	0.0416	24	7847	7861	EEPMNGEMSTRNSIK		Mascot
1723.7196	1723.8141	0.0945	55	675	688	TCPECQKVSSDCPR	Carbamidomethyl (C)[2,5,12]	Mascot
1723.7196	1723.8141	0.0945	55	675	688	TCPECQKVSSDCPR	Carbamidomethyl (C)[2,5,12]	Mascot
1738.7734	1738.8202	0.0468	27	7847	7861	EEPMNGEMSTRNSIK	Oxidation (M)[4]	Mascot
1739.6847	1739.8097	0.125	72	5874	5889	SSHMDTCSNEDNESGIK	0 0	Mascot
1739.8486	1739.8097	-0.0389	-22	1664	1678	AYQELLDWISTEGK		Mascot
2190.0747	2190.1038	0.0291	13	8548	8566	ELNQPDIWTCSTEVLNLK		Mascot
2211.126	2211.0769	-0.0491	-22	8508	8526	MSAAELQTTGVIYRLELCR	Carbamidomethyl (C)[18]	Mascot

	2224.9873	2225.0923	0.105	47	4312	4333	VTDAETSSQIGACAEDNE SGIK							Mascot
	2233.0012	2233.052	0.0508	23	8235	8252	DSTELEEWMRCAHEQLQ K							Mascot
	2282.261	2282.1521	-0.1089	-48	8671	8691	VMEASKLLIGMQPQSA PLIK							Mascot
	2284.022	2284.1465	0.1245	55	3439	3458	RVLDCTDAPFESEADTL MDR							Mascot
	2299.0984	2299.1499	0.0515	22	2881	2901	VEDIQHLTVSSDLAPCQ NSR							Mascot
	2300.0168	2300.1455	0.1287	56	3439	3458	RVLDCTDAPFESEADTL MDR			Oxidation (M)[18]				Mascot
	2330.1833	2330.2039	0.0206	9	8286	8307	VSAESTGTQILQLTNSEA PDLR							Mascot
	2346.1758	2346.1995	0.0237	10	8547	8566	RELNQPDWTCSTEVLN LK							Mascot
	2346.1758	2346.1995	0.0237	10	8547	8566	RELNQPDWTCSTEVLN LK							Mascot
	2523.2759	2523.3225	0.0466	18	3386	3408	AEQTIGDQASYMGKDNL QLLISK							Mascot
	2523.2759	2523.3225	0.0466	18	3386	3408	AEQTIGDQASYMGKDNL QLLISK							Mascot
	2568.2532	2568.1582	-0.095	-37	4168	4191	CASIEATEMSLGTGDIVQ SKLTEK			Carbamidomethyl (C)[1]				Mascot
	3109.4377	3109.2981	-0.1396	-45	1992	2019	QAQLNEAGNFIEMSDTS TSHSLSDCLR			Oxidation (M)[14]				Mascot
15	histone-lysine N-methyltransferase SUV39H1-A [Danio rerio]						gi 57525753	47361.8	8.67	11	39	0		

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
	807.3712	807.3876	0.0164	20	401	407	CGVRNCR					Mascot
	850.4781	850.5318	0.0537	63	285	291	RGVLYDK					Mascot
	864.3926	864.4979	0.1053	122	401	407	CGVRNCR			Carbamidomethyl (C)[1]		Mascot
	959.4549	959.5641	0.1092	114	394	400	RVHMECK			Carbamidomethyl (C)[6]		Mascot
	1118.6602	1118.4932	-0.167	-149	28	37	LVCKQLSVTK					Mascot
	1234.549	1234.6627	0.1137	92	395	404	VHMECKCGVR			Carbamidomethyl (C)[5], Oxidation (M)[3]		Mascot
	1308.5988	1308.6404	0.0416	32	366	377	MTVDPVDAESTK			Oxidation (M)[1]		Mascot
	1493.7126	1493.7147	0.0021	1	212	224	VMPGVPIYECNSK			Carbamidomethyl (C)[10]		Mascot
	1560.7046	1560.6442	-0.0604	-39	130	141	WEDLMNQTCRHK					Mascot
	1576.6996	1576.6393	-0.0603	-38	130	141	WEDLMNQTCRHK			Oxidation (M)[5]		Mascot
	1576.6996	1576.6393	-0.0603	-38	130	141	WEDLMNQTCRHK			Oxidation (M)[5]		Mascot
	1738.9309	1738.8202	-0.1107	-64	235	248	VVQRGIQYDLICFK			Carbamidomethyl (C)[11]		Mascot
	2233.033	2233.052	0.019	9	266	284	NSFVMEYLGEIITDDEAE R			Oxidation (M)[5]		Mascot
	3109.3589	3109.2981	-0.0608	-20	170	199	GVDMNAVIVGCEADCVC SQPVDGCCPGLLK			Carbamidomethyl (C)[11,13]		Mascot
16	ldh3a protein [Danio rerio]				gi 157423273		16736.4	6.89	6	39	0	

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1003.489	1003.5405	0.0515	51	108	116 HMGLHGHAK			Oxidation (M)[2]		Mascot
1109.5693	1109.4769	-0.0924	-83	7	17 STVSCIMGAIK					Mascot
1316.707	1316.5748	-0.1322	-100	18	28 TQTPQPRVF SR					Mascot
1357.5988	1357.6971	0.0983	72	142	152 CSEFTADICRR			Carbamidomethyl (C)[1]		Mascot
1707.8669	1707.7535	-0.1134	-66	2	17 ANAWRSTVSCIMGAIK					Mascot
1723.8618	1723.8141	-0.0477	-28	2	17 ANAWRSTVSCIMGAIK			Oxidation (M)[12]		Mascot
1723.8618	1723.8141	-0.0477	-28	2	17 ANAWRSTVSCIMGAIK			Oxidation (M)[12]		Mascot
1838.9073	1838.9033	-0.004	-2	1	17 MANAWRSTVSCIMGAIK					Mascot
17	Josephin-1 [Danio rerio]			gi 115497592	26182.5	9.34	7	38	0	

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1051.5908	1051.6998	0.109	104	170	177 RQHWIGVR					Mascot
1179.6732	1179.5854	-0.0878	-74	96	106 LSPSTLVTPHK					Mascot
1293.6375	1293.6469	0.0094	7	128	137 GFEAVWWDKR					Mascot
1293.6375	1293.6469	0.0094	7	128	137 GFEAVWWDKR					Mascot
1357.6635	1357.6971	0.0336	25	178	189 EVAGVYYNLD SK					Mascot
1838.8927	1838.9033	0.0106	6	12	28 VG GGFQELGCMPWKVS K			Oxidation (M)[11]		Mascot
2233.0818	2233.052	-0.0298	-13	67	86 ELCALHALNNVFQDGAA FSR			Carbamidomethyl (C)[3]		Mascot
2282.2139	2282.1521	-0.0618	-27	87	106 DALQDIYQRLSPSTLVTP HK					Mascot
18	Pbx2 [Danio rerio]			gi 7861936	18895.6	9.08	7	38	0	

Peptide Information										
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
864.4686	864.4979	0.0293	34	153	159 SRFLDAR					Mascot
1051.5782	1051.6998	0.1216	116	133	141 FSSIQTQLK					Mascot
1179.6442	1179.5854	-0.0588	-50	1	10 ALF SVLCEIK			Carbamidomethyl (C)[7]		Mascot
1323.6395	1323.5704	-0.0691	-52	142	152 QSTCEAVMILR			Carbamidomethyl (C)[4], Oxidation (M)[8]		Mascot
1493.7563	1493.7147	-0.0416	-28	142	154 QSTCEAVMILRSR					Mascot
2299.1785	2299.1499	-0.0286	-12	133	152 FSSIQTQLKQSTCEAVMI LR			Oxidation (M)[17]		Mascot
3109.4717	3109.2981	-0.1736	-56	84	109 NIYHTELEKYEQACSEST					Mascot

19 contactin-1a precursor [Danio rerio] THVMNLLR
 gi|136256388 114246.1 6.19 14 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
856.5111	856.5181	0.007	8	434	441	LLGARNGR					Mascot
959.4979	959.5641	0.0662	69	977	984	QSIDLPMR					Mascot
1010.5629	1010.5165	-0.0464	-46	785	793	DPKIPPSTR					Mascot
1010.5629	1010.5165	-0.0464	-46	785	793	DPKIPPSTR					Mascot
1045.5173	1045.5497	0.0324	31	562	569	DAQHYQRK					Mascot
1118.4572	1118.4932	0.036	32	492	500	YTCFAENDR					Mascot
1308.575	1308.6404	0.0654	50	898	910	ACNGAGYGPASQR			Carbamidomethyl (C)[2]		Mascot
1331.5797	1331.6158	0.0361	27	492	502	YTCFAENDRGR					Mascot
1365.6857	1365.6373	-0.0484	-35	503	516	ANSTGSL SITDATK					Mascot
1434.7231	1434.7489	0.0258	18	1	12	MIPEAFQPRAMK			Oxidation (M)[1]		Mascot
1707.7683	1707.7535	-0.0148	-9	138	151	VQFGYLD MFSTDER					Mascot
1723.7632	1723.8141	0.0509	30	138	151	VQFGYLD MFSTDER			Oxidation (M)[8]		Mascot
1723.7632	1723.8141	0.0509	30	138	151	VQFGYLD MFSTDER			Oxidation (M)[8]		Mascot
2225.1772	2225.0923	-0.0849	-38	695	716	VIATNTLTGPPSESPK TTTR					Mascot
2281.9963	2282.1521	0.1558	68	388	406	FSRLGFEDSGMYQCVAE NR			Carbamidomethyl (C)[14], Oxidation (M)[11]		Mascot
2284.2131	2284.1465	-0.0666	-29	442	460	VVFECRPRAAPRPNITW SK			Carbamidomethyl (C)[5]		Mascot
2299.1426	2299.1499	0.0073	3	986	1007	GEYLVEVRAHSEGGDGA VAQVR					Mascot

20 hypothetical protein LOC494059 [Danio rerio] gi|56693275 26532.2 6.1 7 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1010.4272	1010.5165	0.0893	88	179	187	TSSEESQDK					Mascot
1010.4272	1010.5165	0.0893	88	179	187	TSSEESQDK					Mascot
1179.574	1179.5854	0.0114	10	165	174	EETEDTVTKK					Mascot
1309.6609	1309.642	-0.0189	-14	108	118	WMEQSLPPPPK					Mascot
1309.6609	1309.642	-0.0189	-14	108	118	WMEQSLPPPPK					Mascot
1325.6559	1325.6357	-0.0202	-15	108	118	WMEQSLPPPPK			Oxidation (M)[2]		Mascot
1434.7263	1434.7489	0.0226	16	16	27	EAVWSFKPEDVK					Mascot
1675.9054	1675.813	-0.0924	-55	14	27	LKEAVWSFKPEDVK					Mascot
1738.778	1738.8202	0.0422	24	46	60	HEHDGNE LGTTPEFR					Mascot

Mascot

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. % Modification	Rank	Result Type
1045.4806	1045.5497	0.0691	66	66	74 CMDVLPPDR				Mascot
1118.4969	1118.4932	-0.0037	-3	66	74 CMDVLPPDR		Carbamidomethyl (C)[1], Oxidation (M)[2]		Mascot
1331.6195	1331.6158	-0.0037	-3	64	74 NRCMDVLPPDR		Oxidation (M)[4]		Mascot
1493.8185	1493.7147	-0.1038	-69	121	133 LVPGLPLYIYRSC				Mascot
1722.8843	1722.8202	-0.0641	-37	35	48 EEFRTLNMVTPTLR		Oxidation (M)[8]		Mascot
1723.8795	1723.8141	-0.0654	-38	49	63 VEDCSIALPRNHEK				Mascot
1723.8795	1723.8141	-0.0654	-38	49	63 VEDCSIALPRNHEK				Mascot
2233.019	2233.052	0.033	15	16	34 SGYYDMNRLDPQTNSSQ IK		Oxidation (M)[6]		Mascot

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.4365	801.342	-0.0945	-118	36	41 QNHKFK					Mascot
807.4028	807.3876	-0.0152	-19	5	10 RVMEEK			Oxidation (M)[3]		Mascot
856.4886	856.5181	0.0295	34	455	461 KQENIPK					Mascot
959.5883	959.5641	-0.0242	-25	235	242 TLVETRLK					Mascot
1010.5009	1010.5165	0.0156	15	493	500 MSILMDLR	14	0	Oxidation (M)[1,5]		Mascot
1010.5009	1010.5165	0.0156	15	493	500 MSILMDLR			Oxidation (M)[1,5]		Mascot
1032.62	1032.4996	-0.1204	-117	514	521 ELKPVYRK					Mascot
1234.5984	1234.6627	0.0643	52	419	429 EVNALLECESK					Mascot
1331.5396	1331.6158	0.0762	57	282	292 ECYPADFDICR					Mascot
2568.2729	2568.1582	-0.1147	-45	312	332 SSIEFDCAYILSWIKIYYPK					Mascot

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.4579	807.3876	-0.0703	-87	421	426	LKLMMR			Oxidation (M)[4]		Mascot
850.4451	850.5318	0.0867	102	408	414	ERMGTLK			Oxidation (M)[3]		Mascot

	882.5043	882.5547	0.0504	57	212	219	SHLDGLLK										Mascot
	1193.6385	1193.6003	-0.0382	-32	96	106	KNHSHGSVSLK										Mascot
	1320.6616	1320.575	-0.0866	-66	107	118	SSHGFSIMPTIK						Oxidation (M)[8]				Mascot
	2282.1484	2282.1521	0.0037	2	386	405	MSVSKAQNIYGIPHSTLE YK						Oxidation (M)[1]				Mascot
	2300.1589	2300.1455	-0.0134	-6	366	385	YRQYNSEILEEAIIVMS GK										Mascot
	2545.2524	2545.2864	0.034	13	368	390	QYNSEILEEAIIVMSGK MSVSK						Oxidation (M)[15,19]				Mascot
	2568.2537	2568.1582	-0.0955	-37	16	39	TSSTQDVPQPQSQPNGT KDQSLPK										Mascot
24	heterogeneous nuclear ribonucleoprotein G [Danio rerio]					gi 47086837	41595.9	10.1	9	36	0						

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.3889	801.342	-0.0469	-59	215	221	DYGPPPR					Mascot
864.4355	864.4979	0.0624	72	179	185	DSLMSRR					Mascot
1308.7344	1308.6404	-0.094	-72	31	41	FGRISEVLLMK			Oxidation (M)[10]		Mascot
1316.6997	1316.5748	-0.1249	-95	23	33	VLEAYFSKFGR					Mascot
1434.588	1434.7489	0.1609	112	236	248	DDYGSGSRGYSDR					Mascot
1723.8511	1723.8141	-0.037	-21	256	270	EPRGYIDRPSAGSYR					Mascot
1723.8511	1723.8141	-0.037	-21	256	270	EPRGYIDRPSAGSYR					Mascot
1738.778	1738.8202	0.0422	24	271	286	DPYDGYGNSRSAPPSR					Mascot
2233.1458	2233.052	-0.0938	-42	2	22	AEADRPGLKFIGLNTET SEK					Mascot
2346.2227	2346.1995	-0.0232	-10	10	30	LFIGLNTETSEKVLEAYF SK					Mascot
2346.2227	2346.1995	-0.0232	-10	10	30	LFIGLNTETSEKVLEAYF SK					Mascot

25	novel protein similar to H.sapiens OLFM1, olfactomedin 1 (OLFM1, zgc:92039) [Danio rerio]					gi 220676963	17247.8	9.07	6	35	0						
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.3665	807.3876	0.0211	26	125	130	MEDQLR			Oxidation (M)[1]		Mascot
850.4781	850.5318	0.0537	63	131	137	GLETKFR					Mascot
864.4825	864.4979	0.0154	18	118	124	DLQYVVK					Mascot
992.5523	992.502	-0.0503	-51	145	152	QNIKQYK					Mascot
1675.8431	1675.813	-0.0301	-18	101	114	VQNMTQSIQVLDQR			Oxidation (M)[4]		Mascot
1739.7695	1739.8097	0.0402	23	73	87	CVCTVVAPQQTMCGR			Carbamidomethyl (C)[1,3]		Mascot

	1739.7695	1739.8097	0.0402	23	73	87	CVCTVVAPQQTMC						Carbamidomethyl (C)[1,3]	Mascot
26	RNA binding motif protein [Danio rerio]				gi 37595358	30616.8	9.84	8	35	0				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.3889	801.342	-0.0469	-59	215	221	DYGPPPR					Mascot
864.4355	864.4979	0.0624	72	179	185	DSLMSRR					Mascot
1308.7344	1308.6404	-0.094	-72	31	41	FGRISEVLLMK			Oxidation (M)[10]		Mascot
1316.6997	1316.5748	-0.1249	-95	23	33	VLEAYFSKFGR					Mascot
1434.588	1434.7489	0.1609	112	236	248	DDYGSGSRGYSDR					Mascot
1723.8511	1723.8141	-0.037	-21	256	270	EPRGYIDRPSAGSYR					Mascot
1723.8511	1723.8141	-0.037	-21	256	270	EPRGYIDRPSAGSYR					Mascot
2233.1458	2233.052	-0.0938	-42	2	22	AEADRPGLFIGGLNTET SEK					Mascot
2346.2227	2346.1995	-0.0232	-10	10	30	LFIGGLNTETSEKYLEAYF SK					Mascot
2346.2227	2346.1995	-0.0232	-10	10	30	LFIGGLNTETSEKYLEAYF SK					Mascot

27	novel protein similar to H.sapiens LCOR, ligand dependent nuclear receptor corepressor (LCOR, zgc:1				gi 220672934	52136.8	8.35	9	35	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4579	807.3876	-0.0703	-87	437	442	LKLMMR			Oxidation (M)[4]		Mascot
850.4451	850.5318	0.0867	102	424	430	ERMGTLLK			Oxidation (M)[3]		Mascot
882.5043	882.5547	0.0504	57	228	235	SHLDGLLK					Mascot
1193.6385	1193.6003	-0.0382	-32	112	122	KNHSHGSVSLK					Mascot
1320.6616	1320.575	-0.0866	-66	123	134	SSHGFSIMPTIK			Oxidation (M)[8]		Mascot
2282.1484	2282.1521	0.0037	2	402	421	MSVSKAQNIYGIPHTLE YK			Oxidation (M)[1]		Mascot
2300.1589	2300.1455	-0.0134	-6	382	401	YRQYNSEILEEIAIVVMS GK					Mascot
2545.2524	2545.2864	0.034	13	384	406	QYNSEILEEIAIVVMSGK MSVSK			Oxidation (M)[15,19]		Mascot
2568.2537	2568.1582	-0.0955	-37	32	55	TSSTQDVPQPQSPNGT KDQSLPK					Mascot

28	vwa2 protein [Danio rerio]				gi 272938025	16568.8	7.94	6	35	0			
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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		842.4518	842.4988	0.047	56	64	69	YNKVYR							Mascot
		1109.5295	1109.4769	-0.0526	-47	23	31	VESYPCVQK		Carbamidomethyl (C)[6]					Mascot
		1279.6252	1279.7506	0.1254	98	38	47	QLQGNFVCWK		Carbamidomethyl (C)[8]					Mascot
		1365.6957	1365.6373	-0.0584	-43	67	77	VYRQHPAVCHR							Mascot
		1723.8934	1723.8141	-0.0793	-46	23	37	VESYPCVQKTLETVK							Mascot
		1723.8934	1723.8141	-0.0793	-46	23	37	VESYPCVQKTLETVK							Mascot
		2346.1138	2346.1995	0.0857	37	1	22	VNGLFTSLTSSVCMSIP SGCK		Carbamidomethyl (C)[14,21]					Mascot
		2346.1138	2346.1995	0.0857	37	1	22	VNGLFTSLTSSVCMSIP SGCK		Carbamidomethyl (C)[14,21]					Mascot
29	sorcin [Danio rerio]					gi 41055144		18946.9	5.39	2	34	0	26	34.164	

31 small ubiquitin-related modifier 3 precursor [Danio rerio] gi|239048085 10690.3 5.34 5 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
864.4131	864.4979	0.0848	98	1	7	MSEEEKPK			Oxidation (M)[1]		Mascot
1234.6426	1234.6627	0.0201	16	21	32	VAGQDGSVVQFK					Mascot
1277.6405	1277.6964	0.0559	44	1	11	MSEEEKPKEGVK			Oxidation (M)[1]		Mascot
1475.8217	1475.7354	-0.0863	-58	21	34	VAGQDGSVVQFKIK					Mascot
2299.1677	2299.1499	-0.0178	-8	12	32	TENDHINLKVAGQDGSV VQFK					Mascot

32 protein lin-7 homolog C [Danio rerio] gi|52219174 22315.8 8.97 6 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
959.4978	959.5641	0.0663	69	1	9	MASLGEPVR					Mascot
992.4717	992.502	0.0303	31	177	184	VLEEMESR					Mascot
1010.4975	1010.5165	0.019	19	41	48	VLQSEFCK			Carbamidomethyl (C)[7]		Mascot
1010.4975	1010.5165	0.019	19	41	48	VLQSEFCK			Carbamidomethyl (C)[7]		Mascot
1279.6827	1279.7506	0.0679	53	41	51	VLQSEFCKAVR					Mascot
1357.7256	1357.6971	-0.0285	-21	1	12	MASLGEPVRLER					Mascot
2190.0896	2190.1038	0.0142	6	136	155	RGDQLLSVNGVSVGEH HEK					Mascot

33 interferon regulatory factor 1 [Danio rerio] gi|45387903 32848 5.85 7 33 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
807.4392	807.3876	-0.0516	-64	131	137	MKGLSQK			Oxidation (M)[1]		Mascot
870.4104	870.5313	0.1209	139	44	50	HGWEVDK					Mascot
1179.6554	1179.5854	-0.07	-59	108	117	VYRMLPAVSK			Oxidation (M)[4]		Mascot
1309.6172	1309.642	0.0248	19	217	227	DSSQWLQNFQK	3	0			Mascot
1309.6172	1309.642	0.0248	19	217	227	DSSQWLQNFQK					Mascot
1707.7927	1707.7535	-0.0392	-23	83	97	CAMNSLPDIEEVKDK			Oxidation (M)[3]		Mascot
1993.947	1993.948	0.001	1	79	95	ANFRCAMNSLPDIEEVK			Carbamidomethyl (C)[5]		Mascot
2298.9529	2299.1499	0.197	86	268	287	SDSYTYTELWNSSMPQ SIC					Mascot

34 PREDICTED: ankyrin repeat and BTB/POZ gi|189521623 111556.2 5.84 13 32 0

domain-containing protein 2-like [Danio rerio]

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
807.3818	807.3876	0.0058	7	206	211 WMVDTR				Mascot
842.473	842.4988	0.0258	31	654	660 LLSEPQR				Mascot
870.4614	870.5313	0.0699	80	139	145 LSVVHCR			Carbamidomethyl (C)[6]	Mascot
882.4614	882.5547	0.0933	106	997	1004 LHSLCGPR				Mascot
1032.5208	1032.4996	-0.0212	-21	677	684 EEQEKLEK				Mascot
1045.5173	1045.5497	0.0324	31	548	556 HPSVHPESR				Mascot
1118.5688	1118.4932	-0.0756	-68	428	437 SLLVDSDDVR				Mascot
1193.6161	1193.6003	-0.0158	-13	308	317 ETAYAQLRLR				Mascot
1309.6351	1309.642	0.0069	5	691	701 SVCTSQLCKAR			Carbamidomethyl (C)[3,8]	Mascot
1309.6351	1309.642	0.0069	5	691	701 SVCTSQLCKAR			Carbamidomethyl (C)[3,8]	Mascot
1323.7202	1323.5704	-0.1498	-113	849	859 VLLMSASQRFR			Oxidation (M)[4]	Mascot
1434.7046	1434.7489	0.0443	31	106	119 VAGEGLCFAPESVR				Mascot
1738.9269	1738.8202	-0.1067	-61	438	452 QTARLLLPGLDCEPR			Carbamidomethyl (C)[12]	Mascot
2346.1768	2346.1995	0.0227	10	794	815 QLAAVFCHCVCSTAAPSI LAVK			Carbamidomethyl (C)[7,9]	Mascot
2346.1768	2346.1995	0.0227	10	794	815 QLAAVFCHCVCSTAAPSI LAVK			Carbamidomethyl (C)[7,9]	Mascot
35	seryl-tRNA synthetase, cytoplasmic [Danio rerio]			gi 51468022	58680.9	5.74	10	32	0

Peptide Information									
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank Result Type
856.4523	856.5181	0.0658	77	13	20 GGDPEIIR				Mascot
864.4686	864.4979	0.0293	34	311	317 DTRGIFR				Mascot
1010.4094	1010.5165	0.1071	106	507	515 VENMSVNDS			Oxidation (M)[4]	Mascot
1010.4094	1010.5165	0.1071	106	507	515 VENMSVNDS			Oxidation (M)[4]	Mascot
1165.567	1165.5731	0.0061	5	158	167 TWGDCTVQKK				Mascot
1165.567	1165.7286	0.1616	139	158	167 TWGDCTVQKK				Mascot
1165.567	1165.7286	0.1616	139	158	167 TWGDCTVQKK				Mascot
1316.7283	1316.5748	-0.1535	-117	458	469 AFMPPGLTEIHK				Mascot
1325.6848	1325.6357	-0.0491	-37	124	133 LEAERFEYLR				Mascot
1493.8434	1493.7147	-0.1287	-86	361	375 IVNIVSGALNHAASK				Mascot
1722.8672	1722.8202	-0.047	-27	219	231 NYNLLYTPFFMRK			Oxidation (M)[11]	Mascot
2330.1221	2330.2039	0.0818	35	231	249 KEVMQEVAQLSQFDEEL			Oxidation (M)[4]	Mascot

[illegible]

	1739.8489	1739.8097	-0.0392	-23	426	443	MVKGMGGAMDLVASAG TK				Oxidation (M)[1]	Mascot
	1739.8489	1739.8097	-0.0392	-23	426	443	MVKGMGGAMDLVASAG TK				Oxidation (M)[1]	Mascot
	2233.1345	2233.052	-0.0825	-37	132	151	QYLSGELEVELTPQGTLA ER					Mascot
38	PREDICTED: suppressor of IKBKE 1-like [Danio rerio] gi 125852483 24679.3 5.47 7 32 0											

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1277.6517	1277.6964	0.0447	35	2	13	SCSLEKVLGDAR					Mascot
1301.7787	1301.5853	-0.1934	-149	179	190	ELRGLLSISSVK					Mascot
1301.7787	1301.5853	-0.1934	-149	179	190	ELRGLLSISSVK					Mascot
1331.6326	1331.6158	-0.0168	-13	197	208	NPPETTSETVEK					Mascot
1675.7657	1675.813	0.0473	28	197	211	NPPETTSETVEKQES					Mascot
1707.7167	1707.7535	0.0368	22	54	66	YMEENTEQELSR			Oxidation (M)[2]		Mascot
1993.8855	1993.948	0.0625	31	154	169	QAVQMDDQHYCSVKER			Carbamidomethyl (C)[11]		Mascot
2330.1848	2330.2039	0.0191	8	89	107	ELWLSLEEHQYALELIMG R					Mascot
2346.1797	2346.1995	0.0198	8	89	107	ELWLSLEEHQYALELIMG R			Oxidation (M)[17]		Mascot
2346.1797	2346.1995	0.0198	8	89	107	ELWLSLEEHQYALELIMG R			Oxidation (M)[17]		Mascot

39 PREDICTED: hypothetical protein LOC100538192 [Danio rerio] gi|326664724 234026 9.01 22 32 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4722	807.3876	-0.0846	-105	572	578	AFTNKVK					Mascot
850.4205	850.5318	0.1113	131	201	207	AEFAWAR					Mascot
856.4424	856.5181	0.0757	88	1963	1968	WHTKER					Mascot
864.4131	864.4979	0.0848	98	1	8	MAEEALGK			Oxidation (M)[1]		Mascot
870.4654	870.5313	0.0659	76	465	470	IFFCRK			Carbamidomethyl (C)[4]		Mascot
996.5624	996.5831	0.0207	21	173	180	WIPAPERK					Mascot
1118.6567	1118.4932	-0.1635	-146	1004	1014	GVFAALGDIKK					Mascot
1165.5887	1165.5731	-0.0156	-13	1450	1458	YSVEEWPKK					Mascot
1165.5887	1165.7286	0.1399	120	1450	1458	YSVEEWPKK					Mascot
1165.5887	1165.7286	0.1399	120	1450	1458	YSVEEWPKK					Mascot
1308.7383	1308.6404	-0.0979	-75	719	729	IDLLISHREGR					Mascot
1320.653	1320.575	-0.078	-59	1819	1830	LETSELEAEATK					Mascot

	1325.7113	1325.6357	-0.0756	-57	1284	1294	FHRSLTTPPGWK									Mascot
	1357.7871	1357.6971	-0.09	-66	339	349	RVIELIQMVEK									Mascot
	1493.8984	1493.7147	-0.1837	-123	644	657	ITLVVHGVGKMAIR									Mascot
	1576.6954	1576.6393	-0.0561	-36	1920	1933	GDPGDFDFVGYYPK									Mascot
	1576.6954	1576.6393	-0.0561	-36	1920	1933	GDPGDFDFVGYYPK									Mascot
	1675.7527	1675.813	0.0603	36	447	462	DSTEAGCIVCGAEKHR									Mascot
	1738.8547	1738.8202	-0.0345	-20	809	822	SSLASNREFIDWWK									Mascot
	1739.7297	1739.8097	0.08	46	823	838	WDSIGTACEPKCGGCR					Carbamidomethyl (C)[8]				Mascot
	1739.7297	1739.8097	0.08	46	823	838	WDSIGTACEPKCGGCR					Carbamidomethyl (C)[8]				Mascot
	2190.0859	2190.1038	0.0179	8	1900	1919	EDCVEYVNPNSLLLGSR									Mascot
	2211.0215	2211.0769	0.0554	25	816	833	EFIDWWKWDSIGTACEPK									Mascot
	2299.1758	2299.1499	-0.0259	-11	1049	1069	VNIGDRPAGCIAQLAMRE					Carbamidomethyl (C)[10]				Mascot
	2300.1956	2300.1455	-0.0501	-22	671	691	TPEGTVKAHQLICYGLEEI									Mascot
	2346.22	2346.1995	-0.0205	-9	1969	1989	NVAVGDVVWLADQNALR									Mascot
	2346.22	2346.1995	-0.0205	-9	1969	1989	NVAVGDVVWLADQNALR									Mascot
40	olfactomedin 1b [Danio rerio]				gi 51011063		14508.5	8.86	6	31	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
807.3665	807.3876	0.0211	26	97	102	MEDQLR			Oxidation (M)[1]		Mascot	
850.4781	850.5318	0.0537	63	103	109	GLETKFR					Mascot	
864.4825	864.4979	0.0154	18	90	96	DLQYVVK					Mascot	
992.5523	992.502	-0.0503	-51	117	124	QNIAKQYK					Mascot	
1675.8431	1675.813	-0.0301	-18	73	86	VQNMTQSIQVLDQR			Oxidation (M)[4]		Mascot	
1739.7695	1739.8097	0.0402	23	45	59	CVCTVVAPQQTMCSSR			Carbamidomethyl (C)[1,3]		Mascot	
1739.7695	1739.8097	0.0402	23	45	59	CVCTVVAPQQTMCSSR			Carbamidomethyl (C)[1,3]		Mascot	

41 transgelin 3a [Danio rerio] gi|156739273 24423.1 6.92 7 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type
1165.5782	1165.5731	-0.0051	-4	197	205	QIMRYDSPR					Mascot	
1165.5782	1165.7286	0.1504	129	197	205	QIMRYDSPR					Mascot	
1165.5782	1165.7286	0.1504	129	197	205	QIMRYDSPR					Mascot	

	1179.6013	1179.5854	-0.0159	-13	55	64	WLMMSGTILCR										Mascot
	1193.5909	1193.6003	0.0094	8	160	168	REFSEEQLR										Mascot
	1234.6711	1234.6627	-0.0084	-7	128	139	TLMALGSEALTK										Mascot
	1308.6477	1308.6404	-0.0073	-6	1	12	MANRGPSYGLSR										Mascot
	1559.8315	1559.7657	-0.0658	-42	65	78	LINSLYPSGEEPIK										Mascot
	1993.9647	1993.948	-0.0167	-8	128	145	TLMALGSEALTKDDGHY R						Oxidation (M)[3]				Mascot
42	hypothetical protein LOC566166 [Danio rerio]						gi 134133273	39171.1	5.57	9	31	0					

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
801.4576	801.342	-0.1156	-144	273	278	REVEIR					Mascot
807.3301	807.3876	0.0575	71	173	179	CENDAQK					Mascot
1293.6442	1293.6469	0.0027	2	279	289	GCSIWCVEKIR					Mascot
1293.6442	1293.6469	0.0027	2	279	289	GCSIWCVEKIR					Mascot
1309.7263	1309.642	-0.0843	-64	290	299	QHLWKLVEEK					Mascot
1309.7263	1309.642	-0.0843	-64	290	299	QHLWKLVEEK					Mascot
1323.5304	1323.5704	0.04	30	83	92	EDEQCEVVC			Carbamidomethyl (C)[5,9]		Mascot
1357.6793	1357.6971	0.0178	13	325	335	EMAHIPHHTR			Oxidation (M)[2]		Mascot
1365.6644	1365.6373	-0.0271	-20	18	29	SRDVFVDEGDK					Mascot
1707.8192	1707.7535	-0.0657	-38	274	287	EVEIRGCSIWCVEK			Carbamidomethyl (C)[7]		Mascot
2346.1069	2346.1995	0.0926	39	31	50	VAQMIYELRDSDEFTASG WK					Mascot
2346.1069	2346.1995	0.0926	39	31	50	VAQMIYELRDSDEFTASG WK					Mascot

43 RAS guanyl-releasing protein 1 [Danio rerio] gi|113678177 77834.7 7.57 10 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4882	842.4988	0.0106	13	271	277	FIHVAQK					Mascot
1003.5319	1003.5405	0.0086	9	224	232	SYVVHGSR					Mascot
1165.5703	1165.5731	0.0028	2	580	589	DVVGMECLKR			Oxidation (M)[5]		Mascot
1165.5703	1165.7286	0.1583	136	580	589	DVVGMECLKR			Oxidation (M)[5]		Mascot
1165.5703	1165.7286	0.1583	136	580	589	DVVGMECLKR			Oxidation (M)[5]		Mascot
1279.5769	1279.7506	0.1737	136	33	43	MTCPSAQEISR			Carbamidomethyl (C)[3]		Mascot
1331.681	1331.6158	-0.0652	-49	463	473	HVKQMVDSIMK			Oxidation (M)[5]		Mascot
1357.5558	1357.6971	0.1413	104	569	579	DCGVNCHKHK			Carbamidomethyl (C)[2,6]		Mascot
1365.6793	1365.6373	-0.042	-31	135	145	LMFEMDPLEK					Mascot

	1434.6538	1434.7489	0.0951	66	577	588	HCKDVVGMECLK					Carbamidomethyl (C)[2], Oxidation (M)[8]	Mascot
	1475.6803	1475.7354	0.0551	37	577	588	HCKDVVGMECLK					Carbamidomethyl (C)[2,10]	Mascot
	2284.2812	2284.1465	-0.1347	-59	433	454	IQPVAPVKPPVVAEWGS GVTPR						Mascot
	3109.7407	3109.2981	-0.4426	-142	433	462	IQPVAPVKPPVVAEWGS GVTPRLDPATISK						Mascot
44	cytoplasmic dynein 1 heavy chain 1 [Danio rerio]				gi 112363126	532854.1	6.06	29	31	0			

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
850.4087	850.5318	0.1231	145	59	65	SALEQMR			Oxidation (M)[6]		Mascot
870.4389	870.5313	0.0924	106	656	662	QLTAYMK			Oxidation (M)[6]		Mascot
959.5342	959.5641	0.0299	31	990	997	MNLSLPR			Oxidation (M)[1]		Mascot
992.4903	992.502	0.0117	12	3384	3393	ASLACGPMVK			Oxidation (M)[8]		Mascot
1010.5451	1010.5165	-0.0286	-28	656	663	QLTAYMKR					Mascot
1010.5451	1010.5165	-0.0286	-28	656	663	QLTAYMKR					Mascot
1045.5272	1045.5497	0.0225	22	2836	2843	LVEDEERR					Mascot
1109.5739	1109.4769	-0.097	-87	3861	3869	DLFQVAFNR					Mascot
1165.6212	1165.5731	-0.0481	-41	3438	3447	DLEASIARYK					Mascot
1165.6212	1165.7286	0.1074	92	3438	3447	DLEASIARYK					Mascot
1165.6212	1165.7286	0.1074	92	3438	3447	DLEASIARYK					Mascot
1179.6368	1179.5854	-0.0514	-44	2551	2560	VPQIEVETHK					Mascot
1277.6598	1277.6964	0.0366	29	4143	4153	IFVFEPPGGMK			Oxidation (M)[10]		Mascot
1309.6899	1309.642	-0.0479	-37	1181	1190	QFEKQVDLFR	9	0			Mascot
1309.6899	1309.642	-0.0479	-37	1181	1190	QFEKQVDLFR					Mascot
1320.6793	1320.575	-0.1043	-79	223	234	GEKPKVTDFGDK					Mascot
1323.6427	1323.5704	-0.0723	-55	1041	1051	ENVSEVEQYVK					Mascot
1325.6736	1325.6357	-0.0379	-29	835	845	LAETVFNFQEK					Mascot
1331.7318	1331.6158	-0.116	-87	4399	4409	TVENIKDPLFR					Mascot
1365.7412	1365.6373	-0.1039	-76	1099	1110	KEFGPVIIDYGK					Mascot
1434.7886	1434.7489	-0.0397	-28	2034	2045	LFRSLAMTKPDR					Mascot
1475.6835	1475.7354	0.0519	35	3682	3694	DPTVEFPPDLCSR					Mascot
1707.7867	1707.7535	-0.0332	-19	4362	4376	QRSTSSSDAQPAWMR					Mascot
1723.7816	1723.8141	0.0325	19	4362	4376	QRSTSSSDAQPAWMR			Oxidation (M)[14]		Mascot
1723.7816	1723.8141	0.0325	19	4362	4376	QRSTSSSDAQPAWMR			Oxidation (M)[14]		Mascot
1739.9261	1739.8097	-0.1164	-67	4599	4612	RNMVTLPVYLNFR			Oxidation (M)[3]		Mascot
1739.9261	1739.8097	-0.1164	-67	4599	4612	RNMVTLPVYLNFR			Oxidation (M)[3]		Mascot

2210.9944	2211.0769	0.0825	37	531	550	EVDGLDVSKEGMEAWEA AMK	Oxidation (M)[12]	Mascot
2233.0627	2233.052	-0.0107	-5	3561	3580	WQANSLPADDLCTENAI MLK		Mascot
2282.1638	2282.1521	-0.0117	-5	3121	3139	VPDYMPIVYDKLPQPPTH R	Oxidation (M)[5]	Mascot
2284.2561	2284.1465	-0.1096	-48	4504	4523	NIHVNLRGLFVPEAYITAT R		Mascot
2299.1572	2299.1499	-0.0073	-3	2004	2024	QVKVSAEMAIFITMNPGR AGR	Oxidation (M)[8]	Mascot
2330.1233	2330.2039	0.0806	35	2844	2862	WTDENIDMVALKHFPNID R	Oxidation (M)[8]	Mascot
2346.0728	2346.1995	0.1267	54	4342	4360	LLKMQMLEDDEDLAYET EK	Oxidation (M)[4,6]	Mascot
2346.0728	2346.1995	0.1267	54	4342	4360	LLKMQMLEDDEDLAYET EK	Oxidation (M)[4,6]	Mascot
2545.2561	2545.2864	0.0303	12	3705	3726	SSLQSQCLNEVLKAERP DVDEK	Carbamidomethyl (C)[7]	Mascot
3109.6257	3109.2981	-0.3276	-105	2726	2752	FLRHVPVYVDYPGPASL TQYGTFR		Mascot

45 PREDICTED: hypothetical protein LOC100538307 [Danio rerio] gi|326667461 234046 8.95 22 31 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. % Modification	Rank	Result Type
807.4722	807.3876	-0.0846	-105	572	578	AFTNKVK				Mascot
850.4205	850.5318	0.1113	131	201	207	AEFAWAR				Mascot
856.4424	856.5181	0.0757	88	1963	1968	WHTKER				Mascot
864.4131	864.4979	0.0848	98	1	8	MAEEALGK		Oxidation (M)[1]		Mascot
870.4654	870.5313	0.0659	76	465	470	IFFCRK		Carbamidomethyl (C)[4]		Mascot
996.5624	996.5831	0.0207	21	173	180	WIPAPERK				Mascot
1118.6567	1118.4932	-0.1635	-146	1004	1014	GVFAALGDIKK				Mascot
1165.5887	1165.5731	-0.0156	-13	1450	1458	YSVEEWPKK				Mascot
1165.5887	1165.7286	0.1399	120	1450	1458	YSVEEWPKK				Mascot
1165.5887	1165.7286	0.1399	120	1450	1458	YSVEEWPKK				Mascot
1308.7383	1308.6404	-0.0979	-75	719	729	IDLLISHREGR				Mascot
1320.653	1320.575	-0.078	-59	1819	1830	LETSELEAEATK				Mascot
1325.7113	1325.6357	-0.0756	-57	1284	1294	FHRSLTPPGWK				Mascot
1357.7871	1357.6971	-0.09	-66	339	349	RVIELIQMVEK				Mascot
1493.8984	1493.7147	-0.1837	-123	644	657	ITLVVHGVGKMAIR				Mascot
1576.6954	1576.6393	-0.0561	-36	1920	1933	GDPGDFDFVGYPYK				Mascot
1576.6954	1576.6393	-0.0561	-36	1920	1933	GDPGDFDFVGYPYK				Mascot
1675.7527	1675.813	0.0603	36	447	462	DSTEAGCIVCGAEKHR				Mascot
1738.8547	1738.8202	-0.0345	-20	809	822	SSLASNREFIDWWK				Mascot

	1739.7297	1739.8097	0.08	46	823	838	WDSIGTACEPKCGGCR	Carbamidomethyl (C)[8]	Mascot
	1739.7297	1739.8097	0.08	46	823	838	WDSIGTACEPKCGGCR	Carbamidomethyl (C)[8]	Mascot
	1838.783	1838.9033	0.1203	65	839	855	CGNCQPPGGKEMTLAEER	Oxidation (M)[11]	Mascot
	2211.0215	2211.0769	0.0554	25	816	833	EFIDWWKWDSIGTACEP K		Mascot
	2299.1758	2299.1499	-0.0259	-11	1049	1069	VNIGDRPAGCIAQLAMRE TAR	Carbamidomethyl (C)[10]	Mascot
	2300.1956	2300.1455	-0.0501	-22	671	691	TPEGTVKAHQLICYGLEEI AK		Mascot
	2346.22	2346.1995	-0.0205	-9	1969	1989	NVAVGDVWWLADQNALR SQYK		Mascot
	2346.22	2346.1995	-0.0205	-9	1969	1989	NVAVGDVWWLADQNALR SQYK		Mascot

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pleckstrin homology domain-containing family G member 7 [Danio rerio]

gi|113681918

49035.5

6.76

8

31

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1165.6034	1165.5731	-0.0303	-26	1	10	MSLVDFLQGR					Mascot
1165.6034	1165.7286	0.1252	107	1	10	MSLVDFLQGR					Mascot
1165.6034	1165.7286	0.1252	107	1	10	MSLVDFLQGR					Mascot
1193.6313	1193.6003	-0.031	-26	219	227	WLDNYQKVK					Mascot
1320.6001	1320.575	-0.0251	-19	61	70	QCLQDIDSWR			Carbamidomethyl (C)[2]		Mascot
1365.6289	1365.6373	0.0084	6	115	126	AFSESICHCLQK					Mascot
1493.7239	1493.7147	-0.0092	-6	114	126	KAFSESICHCLQK					Mascot
1559.6947	1559.7657	0.071	46	145	156	EDFGSFVKWCER			Carbamidomethyl (C)[10]		Mascot
1707.8986	1707.7535	-0.1451	-85	387	401	AWMSEIEKAVSSLLK			Oxidation (M)[3]		Mascot
2283.9646	2284.1465	0.1819	80	95	113	EMWTDPDSCSTQSLHDL FR			Oxidation (M)[2]		Mascot

47

endoribonuclease Dicer [Danio rerio]

gi|238814324

210682.5

5.14

17

31

0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
801.4286	801.342	-0.0866	-108	738	744	AIPECLR					Mascot
807.4247	807.3876	-0.0371	-46	280	286	DPTFISK					Mascot
842.5458	842.4988	-0.047	-56	567	573	AIEKILR					Mascot
882.4791	882.5547	0.0756	86	70	76	ELSHQIR					Mascot
959.6036	959.5641	-0.0395	-41	358	365	FVTPKVIR					Mascot
1109.5837	1109.4769	-0.1068	-96	555	563	TKTFQEDLK					Mascot
1165.45	1165.5731	0.1231	106	200	208	CDPCDLEEK			Carbamidomethyl (C)[1,4]		Mascot

	1234.4979	1234.6627	0.1648	133	1591	1600	CMFEHPDAER						Mascot
	1309.5511	1309.642	0.0909	69	1723	1733	NEMQGMDSELR	3	0				Mascot
	1309.5511	1309.642	0.0909	69	1723	1733	NEMQGMDSELR						Mascot
	1316.6449	1316.5748	-0.0701	-53	663	674	VPVTGPMNCAR			Carbamidomethyl (C)[10], Oxidation (M)[8]			Mascot
	1320.7344	1320.575	-0.1594	-121	1554	1565	AAQLFLCSLGLK			Carbamidomethyl (C)[7]			Mascot
	1323.6837	1323.5704	-0.1133	-86	1333	1343	VSNCNLYRLGK			Carbamidomethyl (C)[4]			Mascot
	1325.546	1325.6357	0.0897	68	1723	1733	NEMQGMDSELR			Oxidation (M)[3]			Mascot
	1357.7838	1357.6971	-0.0867	-64	651	662	STFLPINSPLR						Mascot
	1723.9517	1723.8141	-0.1376	-80	1647	1661	LEFLGDAILYLITK						Mascot
	1723.9517	1723.8141	-0.1376	-80	1647	1661	LEFLGDAILYLITK						Mascot
	2211.1379	2211.0769	-0.061	-28	155	173	INLLVFDECHLAITGHPYR						Mascot
	2284.2998	2284.1465	-0.1533	-67	1017	1036	QILVPELCAIHPIASLWR						Mascot
	2346.168	2346.1995	0.0315	13	188	208	ILGLTASILNGKDCPCDLE			Carbamidomethyl (C)[13,16]			Mascot
	2346.168	2346.1995	0.0315	13	188	208	ILGLTASILNGKDCPCDLE			Carbamidomethyl (C)[13,16]			Mascot
48	ReverB [Danio rerio]				gi 2352003		5105.5	9.66	1		20	0	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1293.6112	1293.6469	0.0357	28	10	20	CLKNESCPIMR	10	0		8	Mascot
1309.6061	1309.642	0.0359	27	10	20	CLKNESCPIMR	20	0	Oxidation (M)[10]	1	Mascot

49 neurogenic locus notch homolog protein 1 precursor [Danio rerio] gi|18859115 262131.8 5.02 1 19 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1723.7738	1723.8141	0.0403	23	1311	1327	DTPCKNGGTCAVASNTK	19	0	Carbamidomethyl (C)[10]	1	Mascot

50 PREDICTED: hypothetical protein LOC116993 [Danio rerio] gi|326668004 548762.3 4.51 1 17 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I. %	Modification	Rank	Result Type
1301.6121	1301.5853	-0.0268	-21	224	234	NKDASGYDYLR	19	0		2	Mascot

Gel Idx/Pos	272/K24	Instr./Gel Origin	BA2060/110707A				Process Status	Analysis Succeeded	
Plate [#] Name	[1] 31496	Instrument Sample Name					Spectra	11	

Rank	Protein Name	Accession No.	Protein MW	Protein PI	Pep. Count	Protein Score	Protein Score C. I. %	Total Ion Score	Total Ion C. I. %	
1	myosin, light polypeptide 2, skeletal muscle [Danio rerio]	gi 18859049	18853.3	4.68	7	250	100	208	100	
Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification Rank Result Type
	1206.6113	1206.5894	-0.0219	-18	33	42 EAFTIIDQNR		79	100	Mascot
	1206.6113	1206.5894	-0.0219	-18	33	42 EAFTIIDQNR				Mascot
	1588.858	1588.8296	-0.0284	-18	92	106 LKGADPEDVIVSAFK				Mascot
	1653.7788	1653.7505	-0.0283	-17	119	131 EFLEELLTTQCDR		129	100	Carbamidomethyl (C)[11] Mascot
	1653.7788	1653.7505	-0.0283	-17	119	131 EFLEELLTTQCDR				Carbamidomethyl (C)[11] Mascot
	1720.7847	1720.7566	-0.0281	-16	156	169 NICYVITHGEEKEE				Carbamidomethyl (C)[3] Mascot
	1789.9113	1789.8832	-0.0281	-16	49	64 DDLRDVLASMGQLNVK				Oxidation (M)[10] Mascot
	1876.9227	1876.8947	-0.028	-15	139	155 NLWAAFPPDVAGNVQDYK				Mascot
	2510.114	2510.0913	-0.0227	-9	10	32 AAGGEGSSNVFSMFEQS QIQEYK				Oxidation (M)[13] Mascot
2	myosin light chain, phosphorylatable, fast skeletal muscle [Danio rerio]	gi 52219166	19110.5	4.64	4	225	100	208	100	
Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification Rank Result Type
	1206.6113	1206.5894	-0.0219	-18	33	42 EAFTIIDQNR		79	100	Mascot
	1206.6113	1206.5894	-0.0219	-18	33	42 EAFTIIDQNR				Mascot
	1588.858	1588.8296	-0.0284	-18	92	106 LKGADPEDVIVSAFK				Mascot
	1653.7788	1653.7505	-0.0283	-17	119	131 EFLEELLTTQCDR		129	100	Carbamidomethyl (C)[11] Mascot
	1653.7788	1653.7505	-0.0283	-17	119	131 EFLEELLTTQCDR				Carbamidomethyl (C)[11] Mascot
	1876.9227	1876.8947	-0.028	-15	139	155 NLWAAFPPDVAGNVQDYK				Mascot
3	Gfap protein [Danio rerio]	gi 124504410	51101	5.34	8	109	100	83	100	
Peptide Information										
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.		Ion Score	C. I. %	Modification Rank Result Type
	850.4265	850.4256	-0.0009	-1	434	440 ESTTERK				Mascot

850.4265	850.5252	0.0987	116	434	440	ESTTERK											Mascot
1090.531	1090.5089	-0.0221	-20	320	327	QLREMEER											Mascot
1118.5762	1118.4875	-0.0887	-79	342	350	LEDEIQMLK											Mascot
1277.71	1277.686	-0.024	-19	368	378	LALDIEIATYR	83	100									Mascot
1277.71	1277.686	-0.024	-19	368	378	LALDIEIATYR											Mascot
1308.6543	1308.6346	-0.0197	-15	270	281	SKFADLTDAANR											Mascot
1434.756	1434.7439	-0.0121	-8	28	40	HSTGRSLHSSPR											Mascot
1434.756	1434.7439	-0.0121	-8	28	40	HSTGRSLHSSPR											Mascot
1475.7522	1475.73	-0.0222	-15	299	311	QIQGLTCDLESLR											Mascot
2366.9653	2367.229	0.2637	111	251	269	AQFEAMANSNMQETEE WYR						Oxidation (M)[6,11]					Mascot

4 RecName: Full=Glial fibrillary acidic protein;
Short=GFAP gi|150383441 51218 5.34 8 108 100 83 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4265	850.4256	-0.0009	-1	435	441	ESTTERK					Mascot
850.4265	850.5252	0.0987	116	435	441	ESTTERK					Mascot
1090.531	1090.5089	-0.0221	-20	321	328	QLREMEER					Mascot
1118.5762	1118.4875	-0.0887	-79	343	351	LEDEIQMLK					Mascot
1277.71	1277.686	-0.024	-19	369	379	LALDIEIATYR	83	100			Mascot
1277.71	1277.686	-0.024	-19	369	379	LALDIEIATYR					Mascot
1308.6543	1308.6346	-0.0197	-15	271	282	SKFADLTDAANR					Mascot
1434.756	1434.7439	-0.0121	-8	29	41	HSTGRSLHSSPR					Mascot
1434.756	1434.7439	-0.0121	-8	29	41	HSTGRSLHSSPR					Mascot
1475.7522	1475.73	-0.0222	-15	300	312	QIQGLTCDLESLR					Mascot
2366.9653	2367.229	0.2637	111	252	270	AQFEAMANSNMQETEE WYR					Mascot

5 myosin, light chain 10, regulatory [Danio rerio] gi|62955715 18955.3 4.65 6 107 100 76 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4417	850.4256	-0.0161	-19	50	57	DTFAALGR					Mascot
850.4417	850.5252	0.0835	98	50	57	DTFAALGR					Mascot
1192.5957	1192.5741	-0.0216	-18	40	49	DGFIDKNDLR					Mascot
1192.5957	1192.5741	-0.0216	-18	40	49	DGFIDKNDLR	67	99.994			Mascot
1224.5677	1224.5442	-0.0235	-19	30	39	EAFITMDQNR					Mascot

	1240.5626	1240.5388	-0.0238	-19	30	39	EAFITMDQNR						Oxidation (M)[6]	Mascot
	1434.7111	1434.7439	0.0328	23	91	103	GTDPEETILNAFK	9		0				Mascot
	1434.7111	1434.7439	0.0328	23	91	103	GTDPEETILNAFK							Mascot
	1675.8901	1675.8612	-0.0289	-17	89	103	LKGTDPREETILNAFK							Mascot
	1834.8275	1834.7976	-0.0299	-16	153	167	NLCYVITHGEDKEQE						Carbamidomethyl (C)[3]	Mascot
6	glial fibrillary acidic protein GFAP [Danio rerio]				gi 31978943		50145.5	5.32	8	107	100	83	100	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4265	850.4256	-0.0009	-1	426	432	ESTTERK						Mascot
850.4265	850.5252	0.0987	116	426	432	ESTTERK						Mascot
1090.531	1090.5089	-0.0221	-20	312	319	QLREMEER						Mascot
1118.5762	1118.4875	-0.0887	-79	334	342	LEDEIQMLK						Mascot
1277.71	1277.686	-0.024	-19	360	370	LALDIEIATYR	83		100			Mascot
1277.71	1277.686	-0.024	-19	360	370	LALDIEIATYR						Mascot
1308.6543	1308.6346	-0.0197	-15	262	273	SKFADLTDAANR						Mascot
1434.756	1434.7439	-0.0121	-8	29	41	HSTGRSLHSSPR						Mascot
1434.756	1434.7439	-0.0121	-8	29	41	HSTGRSLHSSPR						Mascot
1475.7522	1475.73	-0.0222	-15	291	303	QIQGLTCDLESLR						Mascot
2366.9653	2367.229	0.2637	111	243	261	SQFEAMANSNMQETEE WYR				Oxidation (M)[6]		Mascot

7	glial fibrillary acidic protein [Danio rerio]				gi 239596173		19203.6	4.89	5	107	100	83	100	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1090.531	1090.5089	-0.0221	-20	62	69	QLREMEER						Mascot
1118.5762	1118.4875	-0.0887	-79	84	92	LEDEIQMLK						Mascot
1277.71	1277.686	-0.024	-19	110	120	LALDIEIATYR	83		100			Mascot
1277.71	1277.686	-0.024	-19	110	120	LALDIEIATYR						Mascot
1308.6543	1308.6346	-0.0197	-15	12	23	SKFADLTDAANR						Mascot
1475.7522	1475.73	-0.0222	-15	41	53	QIQGLTCDLESLR						Mascot

8	glial fibrillary acidic protein [Danio rerio]				gi 20977259		42127.4	5.03	7	105	100	83	100	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
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	850.4265	850.4256	-0.0009	-1	351	357	ESTTERK									Mascot
	850.4265	850.5252	0.0987	116	351	357	ESTTERK									Mascot
	1090.531	1090.5089	-0.0221	-20	237	244	QLREMEER									Mascot
	1118.5762	1118.4875	-0.0887	-79	259	267	LEDEIQMLK									Mascot
	1277.71	1277.686	-0.024	-19	285	295	LALDIEIATYR	83	100							Mascot
	1277.71	1277.686	-0.024	-19	285	295	LALDIEIATYR									Mascot
	1308.6543	1308.6346	-0.0197	-15	187	198	SKFADLTDAANR									Mascot
	2366.9653	2367.229	0.2637	111	168	186	SQFEAMANSNMQETEE WYR					Oxidation (M)[6]				Mascot
	2872.4734	2872.3606	-0.1128	-39	138	161	ELHEQLMAQQVHVDLDV SKPRLDR					Oxidation (M)[7]				Mascot
9	class III intermediate filament protein [Danio rerio]						gi 38374177	51255	5.28	7	104	100	83	100		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4265	850.4256	-0.0009	-1	435	441	ESTTERK						Mascot
850.4265	850.5252	0.0987	116	435	441	ESTTERK						Mascot
1118.5762	1118.4875	-0.0887	-79	343	351	LEDEIQMLK						Mascot
1277.71	1277.686	-0.024	-19	369	379	LALDIEIATYR	83	100				Mascot
1277.71	1277.686	-0.024	-19	369	379	LALDIEIATYR						Mascot
1308.6543	1308.6346	-0.0197	-15	271	282	SKFADLTDAANR						Mascot
1434.756	1434.7439	-0.0121	-8	29	41	HSTGRSLHSSPR						Mascot
1434.756	1434.7439	-0.0121	-8	29	41	HSTGRSLHSSPR						Mascot
1475.7522	1475.73	-0.0222	-15	300	312	QIQGLTCDLESLR						Mascot
2366.9653	2367.229	0.2637	111	252	270	SQFEAMANSNMQETEE WYR				Oxidation (M)[6]		Mascot

10	glial fibrillary acidic protein [Danio rerio]						gi 66393075	51190	5.34	7	103	100	83	100		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4265	850.4256	-0.0009	-1	435	441	ESTTERK						Mascot
850.4265	850.5252	0.0987	116	435	441	ESTTERK						Mascot
1118.5762	1118.4875	-0.0887	-79	343	351	LEDEIQMLK						Mascot
1277.71	1277.686	-0.024	-19	369	379	LALDIEIATYR	83	100				Mascot
1277.71	1277.686	-0.024	-19	369	379	LALDIEIATYR						Mascot
1308.6543	1308.6346	-0.0197	-15	271	282	SKFADLTDAANR						Mascot
1434.756	1434.7439	-0.0121	-8	29	41	HSTGRSLHSSPR						Mascot
1434.756	1434.7439	-0.0121	-8	29	41	HSTGRSLHSSPR						Mascot

		1475.7522	1475.73	-0.0222	-15	300	312	QIQGLTCDLES LR										Mascot
		2366.9653	2367.229	0.2637	111	252	270	AQFEAMANSNMQETEE WYR					Oxidation (M)[6,11]					Mascot
11	glial fibrillary acidic protein [Danio rerio]						gi 37722304	51205	5.34	7	101	100	83	100				

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
850.4265	850.4256	-0.0009	-1	435	441	ESTTERK						Mascot
850.4265	850.5252	0.0987	116	435	441	ESTTERK						Mascot
1090.531	1090.5089	-0.0221	-20	321	328	QLREMEER						Mascot
1118.5762	1118.4875	-0.0887	-79	343	351	LEDEIQMLK						Mascot
1277.71	1277.686	-0.024	-19	369	379	LALDIEIATYR	83		100			Mascot
1277.71	1277.686	-0.024	-19	369	379	LALDIEIATYR						Mascot
1308.6543	1308.6346	-0.0197	-15	271	282	SKFADLTDAANR						Mascot
1434.756	1434.7439	-0.0121	-8	29	41	HSTGRSLSHSSPR						Mascot
1434.756	1434.7439	-0.0121	-8	29	41	HSTGRSLSHSSPR						Mascot
1475.7522	1475.73	-0.0222	-15	300	312	QIQGLTCDLES LR						Mascot

12	Zgc:158846 [Danio rerio]						gi 158253572	55223	5.44	6	97	100	83	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
996.5472	996.5773	0.0301	30	421	429	DIHNTGLVK						Mascot
1003.5418	1003.5322	-0.0096	-10	74	81	TQEKEQIK						Mascot
1206.626	1206.5894	-0.0366	-30	25	35	TPLSRSGMVSR				Oxidation (M)[8]		Mascot
1206.626	1206.5894	-0.0366	-30	25	35	TPLSRSGMVSR				Oxidation (M)[8]		Mascot
1277.71	1277.686	-0.024	-19	367	377	LALDIEIATYR	83		100			Mascot
1277.71	1277.686	-0.024	-19	367	377	LALDIEIATYR						Mascot
1876.8568	1876.8947	0.0379	20	118	133	QSNIDMMFEGYIAGLR				Oxidation (M)[6,7]		Mascot
2384.2529	2383.9199	-0.333	-140	358	377	EYQSLMNIK LALDIEIATY R						Mascot

13	Krt4 protein [Danio rerio]						gi 161612220	53979.9	5.34	5	95	99.999	83	100				
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
882.4349	882.5496	0.1147	130	33	40	MSSVTSVR				Oxidation (M)[1]		Mascot
973.4948	973.5106	0.0158	16	173	181	QLDGLGNEK						Mascot

	1003.5418	1003.5322	-0.0096	-10	112	119	TQEKEQIK									Mascot
	1277.71	1277.686	-0.024	-19	405	415	LALDIEIATYR	83	100							Mascot
	1277.71	1277.686	-0.024	-19	405	415	LALDIEIATYR									Mascot
	1588.7748	1588.8296	0.0548	34	1	15	MSTRSISYSSGGGIR									Mascot

14 keratin 4 [Danio rerio] gi|18858947 54242 5.42 5 95 99.999 83 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4349	882.5496	0.1147	130	33	40	MSSVTSVR			Oxidation (M)[1]		Mascot
973.4948	973.5106	0.0158	16	174	182	QLDGLGNEK					Mascot
1003.5101	1003.5322	0.0221	22	389	396	QDMARQVR					Mascot
1277.71	1277.686	-0.024	-19	406	416	LALDIEIATYR	83	100			Mascot
1277.71	1277.686	-0.024	-19	406	416	LALDIEIATYR					Mascot
1588.7748	1588.8296	0.0548	34	1	15	MSTRSISYSSGGGIR					Mascot

15 Krt5 protein [Danio rerio] gi|39645432 57792.3 5.27 5 94 99.998 83 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.4948	973.5106	0.0158	16	203	211	QLDGLGNEK					Mascot
1003.5418	1003.5322	-0.0096	-10	142	149	TQEKEQIK					Mascot
1109.4825	1109.4685	-0.014	-13	2	14	SGGMGGGMGGGIR			Oxidation (M)[4]		Mascot
1224.5282	1224.5442	0.016	13	1	14	MSGGMGGGMGGGIR					Mascot
1240.5231	1240.5388	0.0157	13	1	14	MSGGMGGGMGGGIR			Oxidation (M)[1]		Mascot
1277.71	1277.686	-0.024	-19	435	445	LALDIEIATYR	83	100			Mascot
1277.71	1277.686	-0.024	-19	435	445	LALDIEIATYR					Mascot

16 novel protein similar to vertebrate keratin family [Danio rerio] gi|157885973 46874.6 5.23 5 93 99.998 83 100

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.4948	973.5106	0.0158	16	365	372	DLEEALQR					Mascot
1003.5418	1003.5322	-0.0096	-10	99	106	TQEKEQIK					Mascot
1090.4946	1090.5089	0.0143	13	160	168	QMDVVNNDR					Mascot
1277.71	1277.686	-0.024	-19	392	402	LALDIEIATYR	83	100			Mascot

		1277.71	1277.686	-0.024	-19	392	402	LALDIEIATYR								Mascot
		2367.219	2367.229	0.01	4	224	243	VGALTDEINFLRTIYDEEL R								Mascot
17	Krt4 protein [Danio rerio]						gi 44890667	53993.9	5.34	4	92	99.997	83	100		

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
882.4349	882.5496	0.1147	130	33	40	MSSVTSVR			Oxidation (M)[1]		Mascot
973.4948	973.5106	0.0158	16	173	181	QLDGLGNEK					Mascot
1003.5418	1003.5322	-0.0096	-10	112	119	TQEKEQIK					Mascot
1277.71	1277.686	-0.024	-19	405	415	LALDIEIATYR	83	100			Mascot
1277.71	1277.686	-0.024	-19	405	415	LALDIEIATYR					Mascot

18	PREDICTED: keratin, type II cytoskeletal 8 [Danio rerio]	gi 125849603	49959.2	5.46	5	92	99.997	83	100		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.4948	973.5106	0.0158	16	343	350	DLEEALQR					Mascot
1003.5418	1003.5322	-0.0096	-10	77	84	TQEKEQIK					Mascot
1090.4946	1090.5089	0.0143	13	138	146	QMDVVNNDR					Mascot
1277.71	1277.686	-0.024	-19	370	380	LALDIEIATYR	83	100			Mascot
1277.71	1277.686	-0.024	-19	370	380	LALDIEIATYR					Mascot
2367.219	2367.229	0.01	4	202	221	VGALTDEINFLRTIYDEEL R					Mascot

19	keratin 8 [Danio rerio]	gi 29335502	55516.4	5.01	4	92	99.997	83	100		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1003.5418	1003.5322	-0.0096	-10	92	99	TQEKEQIK					Mascot
1277.71	1277.686	-0.024	-19	385	395	LALDIEIATYR	83	100			Mascot
1277.71	1277.686	-0.024	-19	385	395	LALDIEIATYR					Mascot
1475.7635	1475.73	-0.0335	-23	308	319	TEIADLNRMQIR			Oxidation (M)[9]		Mascot
1675.7856	1675.8612	0.0756	45	1	15	RNFSSLSYSGPSMSR					Mascot

20	Keratin 8 [Danio rerio]	gi 159155987	57624.4	5.1	3	89	99.995	83	100		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
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		1003.5418	1003.5322	-0.0096	-10	113	120	TQEKEQIK									Mascot
		1277.71	1277.686	-0.024	-19	406	416	LALDIEIATYR	83	100							Mascot
		1277.71	1277.686	-0.024	-19	406	416	LALDIEIATYR									Mascot
		1475.7635	1475.73	-0.0335	-23	329	340	TEIADLNRMQR					Oxidation (M)[9]				Mascot
21	keratin 5 [Danio rerio]						gi 18858425		58550.6	5.34	3	89	99.995	83	100		
	Peptide Information																
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.				Ion Score	C. I.	% Modification			Rank	Result Type
		973.4948	973.5106	0.0158	16	213	221 QLDGLGNEK										Mascot
		1003.5418	1003.5322	-0.0096	-10	152	159 TQEKEQIK										Mascot
		1277.71	1277.686	-0.024	-19	445	455 LALDIEIATYR	83	100								Mascot
		1277.71	1277.686	-0.024	-19	445	455 LALDIEIATYR										Mascot
22	keratin type II, tail domain [Danio rerio]						gi 4107170		10583.9	8.29	1	88	99.992	83	100		
	Peptide Information																
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.				Ion Score	C. I.	% Modification			Rank	Result Type
		1277.71	1277.686	-0.024	-19	4	14 LALDIEIATYR	83	100								Mascot
		1277.71	1277.686	-0.024	-19	4	14 LALDIEIATYR										Mascot
23	PREDICTED: myosin regulatory light chain 2, ventricular/cardiac muscle isoform-like, partial [Danio						gi 326667504		19377.6	4.75	4	82	99.971	67	99.994		
	Peptide Information																
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.				Ion Score	C. I.	% Modification			Rank	Result Type
		850.4417	850.4256	-0.0161	-19	54	61 DTFAALGR										Mascot
		850.4417	850.5252	0.0835	98	54	61 DTFAALGR										Mascot
		1192.5957	1192.5741	-0.0216	-18	44	53 DGFIDKNDLR										Mascot
		1192.5957	1192.5741	-0.0216	-18	44	53 DGFIDKNDLR	67	99.994								Mascot
		1224.5677	1224.5442	-0.0235	-19	34	43 EAFTIMDQNR										Mascot
		1240.5626	1240.5388	-0.0238	-19	34	43 EAFTIMDQNR						Oxidation (M)[6]				Mascot
		1588.8251	1588.8296	0.0045	3	62	74 LNVKQEEIDEMLK										Mascot
24	myosin, light polypeptide 2, regulatory, cardiac, slow [Danio rerio]						gi 91176296		19106.4	4.79	4	81	99.962	67	99.994		
	Peptide Information																
		Calc. Mass	Obsrv. Mass	± da	± ppm	Start	End Sequence				Ion	C. I.	% Modification			Rank	Result Type

				Seq.	Seq.	Score							
	850.4417	850.4256	-0.0161	-19	51	58	DTFAALGR						Mascot
	850.4417	850.5252	0.0835	98	51	58	DTFAALGR						Mascot
	1192.5957	1192.5741	-0.0216	-18	41	50	DGFIDKNDLR						Mascot
	1192.5957	1192.5741	-0.0216	-18	41	50	DGFIDKNDLR	67	99.994				Mascot
	1224.5677	1224.5442	-0.0235	-19	31	40	EFTIMDQNR						Mascot
	1240.5626	1240.5388	-0.0238	-19	31	40	EFTIMDQNR			Oxidation (M)[6]			Mascot
	1588.8251	1588.8296	0.0045	3	59	71	LNKQEELDEMLK						Mascot
25	talin-1 [Danio rerio]				gi 57222259		270469.6	5.86	22	62	97.498	29	58.272

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
807.4359	807.3833	-0.0526	-65	1520	1526	QFVQSAK					Mascot
973.4883	973.5106	0.0223	23	1195	1203	SVNCLPGQR					Mascot
1003.5054	1003.5322	0.0268	27	2506	2513	EKELEEAR					Mascot
1107.5906	1107.5193	-0.0713	-64	2262	2270	QQLANYSKR					Mascot
1109.5442	1109.4685	-0.0757	-68	2206	2215	AVADMLRSCK			Oxidation (M)[5]		Mascot
1165.6576	1165.5636	-0.094	-81	1615	1625	SLAVNPKDPPK					Mascot
1165.6576	1165.723	0.0654	56	1615	1625	SLAVNPKDPPK					Mascot
1165.6576	1165.723	0.0654	56	1615	1625	SLAVNPKDPPK					Mascot
1179.5422	1179.5793	0.0371	31	2441	2450	ADQDSQTMKR					Mascot
1179.5422	1179.5793	0.0371	31	2441	2450	ADQDSQTMKR	29	58.272			Mascot
1192.5626	1192.5741	0.0115	10	1055	1064	GLERDMQEA			Oxidation (M)[6]		Mascot
1192.6321	1192.5741	-0.058	-49	425	434	STVLQQQFNK					Mascot
1234.5811	1234.6553	0.0742	60	1541	1551	ALDGAFNQENR					Mascot
1234.5811	1234.6553	0.0742	60	1541	1551	ALDGAFNQENR					Mascot
1307.8158	1307.6515	-0.1643	-126	2318	2328	LEQLKPRAKPK					Mascot
1316.6804	1316.5348	-0.1456	-111	2193	2204	QEDVIATANLSR					Mascot
1320.7271	1320.558	-0.1691	-128	424	434	KSTVLQQQFNK					Mascot
1475.7886	1475.73	-0.0586	-40	859	872	LLADATARMVEAAK			Oxidation (M)[9]		Mascot
1493.7628	1493.7075	-0.0553	-37	1601	1614	AMLESSTGLIQTAR			Oxidation (M)[2]		Mascot
1493.7628	1493.7075	-0.0553	-37	1601	1614	AMLESSTGLIQTAR			Oxidation (M)[2]		Mascot
1638.8077	1638.8301	0.0224	14	92	106	MLDGTVKTMVDDSK					Mascot
1675.8003	1675.8612	0.0609	36	1497	1511	HTSALCNACRLASSK			Carbamidomethyl (C)[6,9]		Mascot
1720.8038	1720.7566	-0.0472	-27	165	178	LHTDELNLWDHGR					Mascot

	1834.8309	1834.7976	-0.0333	-18	1784	1799	AAHTQEALEESVQMMK									Oxidation (M)[14, 15]	Mascot
	2211.1865	2211.0754	-0.1111	-50	2059	2080	LGAASLGSEDPETQVVLI NAVK										Mascot
	2225.1846	2225.0862	-0.0984	-44	718	738	VVVAPTISSPVCQEQLIEA GK									Carbamidomethyl (C)[12]	Mascot
	2233.0952	2233.0569	-0.0383	-17	1337	1357	AVTDSINQLISMCTQQAP GQK										Mascot

26 NGFI-A-binding protein 2 [Danio rerio] gi|167555174 54626.2 6.01 12 51 65.456 8 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1037.4568	1037.5077	0.0509	49	463	470	QISEMEER				Oxidation (M)[5]		Mascot	
1090.6367	1090.5089	-0.1278	-117	323	331	RVELFSLAR						Mascot	
1118.4961	1118.4875	-0.0086	-8	481	491	SSSPANTKDDP						Mascot	
1193.5579	1193.5833	0.0254	21	462	470	RQISEMEER				Oxidation (M)[6]		Mascot	
1263.5886	1263.67	0.0814	64	238	248	TMPQADQTEVK				Oxidation (M)[2]		Mascot	
1300.6855	1300.5425	-0.143	-110	375	386	LSKDPAVNSDVR						Mascot	
1365.5521	1365.6152	0.0631	46	114	126	SMSNGQPGSPCER				Oxidation (M)[2]		Mascot	
1493.6471	1493.7075	0.0604	40	113	126	KSMSNGQPGSPCER				Oxidation (M)[3]		Mascot	
1493.6471	1493.7075	0.0604	40	113	126	KSMSNGQPGSPCER	8	0		Oxidation (M)[3]		Mascot	
1588.917	1588.8296	-0.0874	-55	6	18	TLGELQLYRVLQR						Mascot	
1720.6788	1720.7566	0.0778	45	348	363	TYSEDCSASAECAAQK				Carbamidomethyl (C)[6]		Mascot	
1876.78	1876.8947	0.1147	61	348	364	TYSEDCSASAECAAQKR				Carbamidomethyl (C)[6]		Mascot	
2225.0955	2225.0862	-0.0093	-4	297	315	QLTHHEMLINEAAQFCI R						Mascot	

27 Idh3a protein [Danio rerio] gi|157423273 16736.4 6.89 7 48 31.076

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
1003.489	1003.5322	0.0432	43	108	116	HMGLHGHAK				Oxidation (M)[2]		Mascot	
1109.5693	1109.4685	-0.1008	-91	7	17	STVSCIMGAIK						Mascot	
1201.4976	1201.6172	0.1196	100	142	151	CSEFTADICR				Carbamidomethyl (C)[1]		Mascot	
1300.5773	1300.5425	-0.0348	-27	142	152	CSEFTADICRR						Mascot	
1316.707	1316.5348	-0.1722	-131	18	28	TQTPQPRVFSR						Mascot	
1357.5988	1357.6908	0.092	68	142	152	CSEFTADICRR				Carbamidomethyl (C)[1]		Mascot	
1707.8669	1707.7412	-0.1257	-74	2	17	ANAWRSTVSCIMGAIK						Mascot	
1838.9073	1838.8915	-0.0158	-9	1	17	MANAWRSTVSCIMGAIK						Mascot	

28 Pus7 protein [Danio rerio] gi|133778700 44955.3 9.55 6 48 24.426 28 56.406

Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
	1179.6289	1179.5793	-0.0496	-42	375	384	EVLKMDTSIK				Oxidation (M)[5]		Mascot
	1179.6289	1179.5793	-0.0496	-42	375	384	EVLKMDTSIK				Oxidation (M)[5]		Mascot
	1365.8002	1365.6152	-0.185	-135	192	203	HNIITAFALIPR						Mascot
	1390.7358	1390.6589	-0.0769	-55	1	12	KDTMEAINILSR						Mascot
	1653.7095	1653.7505	0.041	25	283	296	EMLSADDLDIDNMR	28	56.406		Oxidation (M)[2]		Mascot
	1653.7095	1653.7505	0.041	25	283	296	EMLSADDLDIDNMR				Oxidation (M)[2]		Mascot
	1993.9648	1993.9424	-0.0224	-11	379	395	MDTSIKNQTLNTSWLN						Mascot
	1993.9648	1993.9424	-0.0224	-11	379	395	MDTSIKNQTLNTSWLN						Mascot
	2369.1338	2368.9758	-0.158	-67	354	374	YCALKMEFSLPSSTYATM AVR						Mascot
29	Pus7 protein [Danio rerio]				gi 41388921		36953	9.27	5	46	0.375	28	56.406

Peptide Information													
	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type	
30		1179.6289	1179.5793	-0.0496	-42	306	315	EVLKMDTSIK				Oxidation (M)[5]	Mascot
		1179.6289	1179.5793	-0.0496	-42	306	315	EVLKMDTSIK				Oxidation (M)[5]	Mascot
		1365.8002	1365.6152	-0.185	-135	123	134	HNIITAFALIPR					Mascot
		1653.7095	1653.7505	0.041	25	214	227	EMLSADDLDIDNMR	28	56.406		Oxidation (M)[2]	Mascot
		1653.7095	1653.7505	0.041	25	214	227	EMLSADDLDIDNMR				Oxidation (M)[2]	Mascot
		1993.9648	1993.9424	-0.0224	-11	310	326	MDTSIKNQTLNTSWLN					Mascot
		1993.9648	1993.9424	-0.0224	-11	310	326	MDTSIKNQTLNTSWLN					Mascot
		2369.1338	2368.9758	-0.158	-67	285	305	YCALKMEFSLPSSTYATM AVR					Mascot
30	novel protein [Danio rerio]				gi 148725934		20790.5	5.31	8	45	0		

Peptide Information											
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank Result Type
807.3916	807.3833	-0.0083	-10	2	8	EEVSCLK					Mascot
842.3937	842.4921	0.0984	117	18	24	HINCAER					Mascot
995.4536	995.4966	0.043	43	1	8	MEEVSCLK				Carbamidomethyl (C)[6]	Mascot
1003.4941	1003.5322	0.0381	38	94	101	VEELEQEK					Mascot
1051.6007	1051.6942	0.0935	89	161	168	HQELQRLK					Mascot
1179.6112	1179.5793	-0.0319	-27	1	10	MEEVSCLKLK					Mascot

	1179.6112	1179.5793	-0.0319	-27	1	10	MEEVSCLKLK										Mascot
	1720.85	1720.7566	-0.0934	-54	140	154	APVSVDSAEREEIYR										Mascot
	1789.8602	1789.8832	0.023	13	94	107	VEELEQEKTHYEQK										Mascot
31	pseudouridylate synthase 7 homolog [Danio rerio]						gi 170015989	71573.2	6.3	7	45	0	28	56.406			

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	1179.6289	1179.5793	-0.0496	-42	607	616	EVLKMDTSIK				Oxidation (M)[5]		Mascot	
	1179.6289	1179.5793	-0.0496	-42	607	616	EVLKMDTSIK				Oxidation (M)[5]		Mascot	
	1307.6324	1307.6515	0.0191	15	2	14	EDTAASVTLGSEK						Mascot	
	1365.8002	1365.6152	-0.185	-135	424	435	HNIITAFALIPR						Mascot	
	1653.7095	1653.7505	0.041	25	515	528	EMLSADDLDIDNMR	28	56.406		Oxidation (M)[2]		Mascot	
	1653.7095	1653.7505	0.041	25	515	528	EMLSADDLDIDNMR				Oxidation (M)[2]		Mascot	
	1720.9016	1720.7566	-0.145	-84	73	87	FISEHTGFSGILKER						Mascot	
	1993.9648	1993.9424	-0.0224	-11	611	627	MDTSIKNQTLNNTSWLN						Mascot	
	1993.9648	1993.9424	-0.0224	-11	611	627	MDTSIKNQTLNNTSWLN						Mascot	
	2369.1338	2368.9758	-0.158	-67	586	606	YCALKMEFSLPSSTYATM AVR						Mascot	

32	Pus7 protein [Danio rerio]						gi 124504398	38608.9	9.39	5	44	0	28	56.406			
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	1179.6289	1179.5793	-0.0496	-42	320	329	EVLKMDTSIK				Oxidation (M)[5]		Mascot	
	1179.6289	1179.5793	-0.0496	-42	320	329	EVLKMDTSIK				Oxidation (M)[5]		Mascot	
	1365.8002	1365.6152	-0.185	-135	137	148	HNIITAFALIPR						Mascot	
	1653.7095	1653.7505	0.041	25	228	241	EMLSADDLDIDNMR	28	56.406		Oxidation (M)[2]		Mascot	
	1653.7095	1653.7505	0.041	25	228	241	EMLSADDLDIDNMR				Oxidation (M)[2]		Mascot	
	1993.9648	1993.9424	-0.0224	-11	324	340	MDTSIKNQTLNNTSWLN						Mascot	
	1993.9648	1993.9424	-0.0224	-11	324	340	MDTSIKNQTLNNTSWLN						Mascot	
	2369.1338	2368.9758	-0.158	-67	299	319	YCALKMEFSLPSSTYATM AVR						Mascot	

33	hypothetical protein LOC571418 [Danio rerio]						gi 167555156	77922.8	4.77	7	44	0	29	61.236			
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result	Type
	973.5676	973.5106	-0.057	-59	189	196	EIIDSKIR						Mascot	

	1003.5505	1003.5322	-0.0183	-18	373	380	SHKFLCLR										Mascot
	1192.5328	1192.5741	0.0413	35	313	322	DSETDVEELR										Mascot
	1192.5328	1192.5741	0.0413	35	313	322	DSETDVEELR	29	61.236								Mascot
	1240.6361	1240.5388	-0.0973	-78	628	637	WTGDNLFFIK										Mascot
	1320.6278	1320.558	-0.0698	-53	313	323	DSETDVEELRK										Mascot
	1357.6642	1357.6908	0.0266	20	327	337	THTMQQAKEQR										Mascot
	1588.8074	1588.8296	0.0222	14	574	587	AMQDQDSPMLLVIK										Mascot

34 PREDICTED: calcium-binding mitochondrial carrier protein SCaMC-3-like [Danio rerio] gi|68353838 53167.4 7.21 11 44 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.4981	842.4921	-0.006	-7	259	266	IAPETAIK					Mascot
850.4338	850.4256	-0.0082	-10	128	134	ILQSMKD			Oxidation (M)[5]		Mascot
850.4338	850.5252	0.0914	107	128	134	ILQSMKD			Oxidation (M)[5]		Mascot
1037.556	1037.5077	-0.0483	-47	91	98	LMFRSLDR					Mascot
1179.4695	1179.5793	0.1098	93	11	20	CQDSGVDQDR			Carbamidomethyl (C)[1]		Mascot
1179.4695	1179.5793	0.1098	93	11	20	CQDSGVDQDR			Carbamidomethyl (C)[1]		Mascot
1357.6416	1357.6908	0.0492	36	320	332	KTGQYSSVADCAK					Mascot
1383.6975	1383.6641	-0.0334	-24	279	291	GSNEGGLTKVHER					Mascot
1390.7688	1390.6589	-0.1099	-79	433	445	SIVAQEGVVGLYR					Mascot
1588.7213	1588.8296	0.1083	68	135	146	DHSMTIDWIEWR					Mascot
1835.0312	1834.7976	-0.2336	-127	259	274	IAPETAIKFLAYEQIK					Mascot
2283.0962	2283.1533	0.0571	25	166	185	HSVMLDIGEHLTPDEFS EK					Mascot
2369.0681	2368.9758	-0.0923	-39	64	83	AGDINHDLGQLDFEEFTEY LR					Mascot

35 novel protein similar to Janus kinase family (a protein tyrosine kinase, leukocyte) [Danio rerio] gi|169145296 125997.7 6.83 16 42 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
850.4603	850.4256	-0.0347	-41	399	405	NGMFLLR					Mascot
850.4603	850.5252	0.0649	76	399	405	NGMFLLR					Mascot
1037.5812	1037.5077	-0.0735	-71	1055	1064	LPAPAQCPLK					Mascot
1107.5867	1107.5193	-0.0674	-61	597	605	NIMVQEFVK					Mascot
1118.6238	1118.4875	-0.1363	-122	482	490	ELTNMIIR			Oxidation (M)[5]		Mascot
1179.6302	1179.5793	-0.0509	-43	395	405	AGGKNGMFLLR			Oxidation (M)[7]		Mascot

	1179.6302	1179.5793	-0.0509	-43	395	405	AGGKNGMFLLR		Oxidation (M)[7]		Mascot
	1192.6758	1192.5741	-0.1017	-85	920	929	LLLFASQICK		Carbamidomethyl (C)[9]		Mascot
	1192.6758	1192.5741	-0.1017	-85	920	929	LLLFASQICK		Carbamidomethyl (C)[9]		Mascot
	1206.5558	1206.5894	0.0336	28	2	11	SEEEEVPLMK		Oxidation (M)[9]		Mascot
	1206.5558	1206.5894	0.0336	28	2	11	SEEEEVPLMK		Oxidation (M)[9]		Mascot
	1263.7493	1263.67	-0.0793	-63	919	929	KLLLFASQICK				Mascot
	1307.6226	1307.6515	0.0289	22	805	814	KQQEDVFEER				Mascot
	1316.6692	1316.5348	-0.1344	-102	1088	1098	DLIENSLDER				Mascot
	1475.7094	1475.73	0.0206	14	308	319	RLCQEQMPLGR		Oxidation (M)[7]		Mascot
	1839.0197	1838.8915	-0.1282	-70	1035	1050	YVHSPSMAIHLTLLK		Oxidation (M)[7]		Mascot
	2211.0791	2211.0754	-0.0037	-2	290	307	QEWQTFCDFPQIIDISIK				Mascot
	2225.0115	2225.0862	0.0747	34	564	582	NCWESLFEAASLSQIS HR		Oxidation (M)[13]		Mascot
	2367.1802	2367.229	0.0488	21	290	308	QEWQTFCDFPQIIDISIKR				Mascot
	2369.1946	2368.9758	-0.2188	-92	685	704	IPWVAPEVLDLTLEIELECD K		Carbamidomethyl (C)[18]		Mascot
36	28S ribosomal protein S15, mitochondrial [Danio rerio]				gi 50540040	30971.5	10.11	9	42	0	

Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
	995.5706	995.4966	-0.074	-74	1	8 MVLKSVFR			Oxidation (M)[1]		Mascot
	1037.5159	1037.5077	-0.0082	-8	169	176 WMLMTIDK					Mascot
	1045.4949	1045.5433	0.0484	46	187	194 TRYDSFEK					Mascot
	1118.5187	1118.4875	-0.0312	-28	189	197 YDSFEKVCK					Mascot
	1179.5125	1179.5793	0.0668	57	252	263 SSSSTNPQETAA					Mascot
	1179.5125	1179.5793	0.0668	57	252	263 SSSSTNPQETAA					Mascot
	1193.6169	1193.5833	-0.0336	-28	169	177 WMLMTIDKR					Mascot
	1234.7266	1234.6553	-0.0713	-58	5	15 SVFRSTVLGLR					Mascot
	1234.7266	1234.6553	-0.0713	-58	5	15 SVFRSTVLGLR	8		0		Mascot
	1307.6074	1307.6515	0.0441	34	251	263 KSSSSTNPQETAA					Mascot
	1653.8707	1653.7505	-0.1202	-73	49	62 HFKGDETLNQPVR					Mascot
	1653.8707	1653.7505	-0.1202	-73	49	62 HFKGDETLNQPVR					Mascot

37	Si:ch211-20b12.1 [Danio rerio]				gi 67678177	55996.8	8.09	5	41	0	30	70.797
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Peptide Information

	Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I.	% Modification	Rank	Result Type
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	973.5254	973.5106	-0.0148	-15	220	226	HYIHYLK											Mascot
	1277.6307	1277.686	0.0553	43	436	445	CHDIIISTYR	30	70.797	Carbamidomethyl (C)[1]								Mascot
	1277.6307	1277.686	0.0553	43	436	445	CHDIIISTYR			Carbamidomethyl (C)[1]								Mascot
	1675.826	1675.8612	0.0352	21	220	232	HYIHYLKEMGEQK											Mascot
	1834.813	1834.7976	-0.0154	-8	19	33	AFTFDEDEDEFSLK											Mascot
	2384.2344	2383.9199	-0.3145	-132	407	427	NSAPVQVLQEYVNLIDDP ELK											Mascot
38	novel protein (wu:fj53d02) [Danio rerio]				gi 122891311		95823.2	6.41	15	41	0							

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
807.3917	807.3833	-0.0084	-10	404	410	MVPTTDK				Oxidation (M)[1]		Mascot
850.4781	850.4256	-0.0525	-62	635	641	ARYLAEK						Mascot
850.4781	850.5252	0.0471	55	635	641	ARYLAEK						Mascot
973.5002	973.5106	0.0104	11	411	418	GRFYAFGR						Mascot
1118.5801	1118.4875	-0.0926	-83	623	632	GDVSSRQELK						Mascot
1224.4983	1224.5442	0.0459	37	692	701	EGALCEENMR				Carbamidomethyl (C)[5], Oxidation (M)[9]		Mascot
1234.6096	1234.6553	0.0457	37	62	71	DEQERCITIK						Mascot
1234.6096	1234.6553	0.0457	37	62	71	DEQERCITIK						Mascot
1307.6525	1307.6515	-0.001	-1	21	32	NMSVIAHVDHGK						Mascot
1308.6583	1308.6346	-0.0237	-18	680	691	DSVVAGFWATK						Mascot
1316.7144	1316.5348	-0.1796	-136	430	441	VRIMGPNFTPGK						Mascot
1323.6473	1323.6482	0.0009	1	21	32	NMSVIAHVDHGK				Oxidation (M)[2]		Mascot
1475.7896	1475.73	-0.0596	-40	151	162	IKPVLMMNKMDR						Mascot
1493.6835	1493.7075	0.024	16	692	704	EGALCEENMRAVR				Oxidation (M)[9]		Mascot
1493.6835	1493.7075	0.024	16	692	704	EGALCEENMRAVR				Oxidation (M)[9]		Mascot
1707.8734	1707.7412	-0.1322	-77	2	15	VNFTVDQIREIMDK						Mascot
1790.0033	1789.8832	-0.1201	-67	288	302	LPRTFCQLVLDPIFK						Mascot
1838.9139	1838.8915	-0.0224	-12	1	15	MVNFTVDQIREIMDK						Mascot
2510.2119	2510.0913	-0.1206	-48	72	93	STAISLYELSENDAFIK QCK						Mascot

39 Pbx2 [Danio rerio] gi|7861936 18895.6 9.08 6 40 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	%	Modification	Rank	Result Type
1051.5782	1051.6942	0.116	110	133	141	FSSIQTQLK						Mascot
1179.6442	1179.5793	-0.0649	-55	1	10	ALFSLVCEIK				Carbamidomethyl (C)[7]		Mascot

	1179.6732	1179.5793	-0.0939	-80	132	141	KFSSIQTQLK	10	0		Mascot
	1307.6447	1307.6515	0.0068	5	142	152	QSTCEAVMILR			Carbamidomethyl (C)[4]	Mascot
	1323.6395	1323.6482	0.0087	7	142	152	QSTCEAVMILR			Carbamidomethyl (C)[4], Oxidation (M)[8]	Mascot
	1493.7563	1493.7075	-0.0488	-33	142	154	QSTCEAVMILRSR				Mascot
	1493.7563	1493.7075	-0.0488	-33	142	154	QSTCEAVMILRSR	2	0		Mascot
	2283.1836	2283.1533	-0.0303	-13	133	152	FSSIQTQLKQSTCEAVMI LR				Mascot
40	transgelin 3a [Danio rerio]				gi 156739273		24423.1	6.92	8	40	0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1037.4899	1037.5077	0.0178	17	161	168	EFSEEQLR					Mascot
1165.5782	1165.5636	-0.0146	-13	197	205	QIMRYDSPR					Mascot
1165.5782	1165.723	0.1448	124	197	205	QIMRYDSPR					Mascot
1165.5782	1165.723	0.1448	124	197	205	QIMRYDSPR					Mascot
1179.6013	1179.5793	-0.022	-19	55	64	WLMSGTILCR					Mascot
1179.6013	1179.5793	-0.022	-19	55	64	WLMSGTILCR					Mascot
1193.5909	1193.5833	-0.0076	-6	160	168	REFSEEQLR					Mascot
1234.6711	1234.6553	-0.0158	-13	128	139	TLMALGSEALTK					Mascot
1234.6711	1234.6553	-0.0158	-13	128	139	TLMALGSEALTK					Mascot
1308.6477	1308.6346	-0.0131	-10	1	12	MANRGPSYGLSR					Mascot
1383.6321	1383.6641	0.032	23	183	196	GASQSGMVGYGTPR			Oxidation (M)[7]		Mascot
1993.9647	1993.9424	-0.0223	-11	128	145	TLMALGSEALTKDDGHY R			Oxidation (M)[3]		Mascot
1993.9647	1993.9424	-0.0223	-11	128	145	TLMALGSEALTKDDGHY R			Oxidation (M)[3]		Mascot

41	novel protein similar to MCM6 minichromosome maintenance deficient 6, mitotin (S. cerevisiae) (mcm6				gi 169158286		93177.2	5.26	13	39	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.5789	973.5106	-0.0683	-70	117	124	IRELSTVR					Mascot
995.4826	995.4966	0.014	14	373	381	TTMEGTSLR					Mascot
1165.6252	1165.5636	-0.0616	-53	747	755	SELINWYLK					Mascot
1165.6252	1165.723	0.0978	84	747	755	SELINWYLK					Mascot
1165.6252	1165.723	0.0978	84	747	755	SELINWYLK					Mascot
1234.7228	1234.6553	-0.0675	-55	361	372	GILLMLFGGVAK			Oxidation (M)[5]		Mascot

	1234.7228	1234.6553	-0.0675	-55	361	372	GILLMLFGGVAK							Oxidation (M)[5]	Mascot
	1263.6216	1263.67	0.0484	38	268	279	EGFEADGIQGLK								Mascot
	1277.6195	1277.686	0.0665	52	321	330	NQMTVLEWEK								Mascot
	1277.6195	1277.686	0.0665	52	321	330	NQMTVLEWEK								Mascot
	1357.8162	1357.6908	-0.1254	-92	119	130	ELSTVRIGTLLR								Mascot
	1390.8239	1390.6589	-0.165	-119	360	372	RGILLMLFGGVAK							Oxidation (M)[6]	Mascot
	1475.7502	1475.73	-0.0202	-14	90	102	HFARDHGNIPPSK								Mascot
	1675.8618	1675.8612	-0.0006	0	509	523	SLKQNVNMSAPIMSR								Mascot
	1707.8306	1707.7412	-0.0894	-52	168	182	YTQPTICKNPVCANR								Mascot
	1789.9065	1789.8832	-0.0233	-13	756	771	EIESEIDSEAEVAKK								Mascot
	2211.1875	2211.0754	-0.1121	-51	361	381	GILLMLFGGVAKTTMEGT SLR							Oxidation (M)[5]	Mascot
42	PREDICTED: guanine nucleotide-binding protein subunit alpha-15-like [Danio rerio]					gi 326678594		43174.9	8.7	4	39	0	27	41.866	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1234.6902	1234.6553	-0.0349	-28	128	137	LQRSYVEAIR					Mascot
1234.6902	1234.6553	-0.0349	-28	128	137	LQRSYVEAIR	27	41.866			Mascot
2367.0459	2367.229	0.1831	77	2	20	GHYYTGPCIVWFLSEEEK					Mascot
2384.2053	2383.9199	-0.2854	-120	347	367	SVFSDVKDILLNALQDFEMA			Oxidation (M)[20]		Mascot
2510.1975	2510.0913	-0.1062	-42	82	102	LVYQNIFKSMQAMTEAMSELK			Oxidation (M)[10,13,17]		Mascot

43	pleckstrin homology domain-containing family G member 7 [Danio rerio]						gi 113681918	49035.5	6.76	9	39	0		
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
1165.6034	1165.5636	-0.0398	-34	1	10	MSLVDFLQGR					Mascot
1165.6034	1165.723	0.1196	103	1	10	MSLVDFLQGR					Mascot
1165.6034	1165.723	0.1196	103	1	10	MSLVDFLQGR					Mascot
1193.6313	1193.5833	-0.048	-40	219	227	WLDNYQVK					Mascot
1224.4884	1224.5442	0.0558	46	153	161	WCERNEECR					Mascot
1263.5786	1263.67	0.0914	72	61	70	QCLQDIDSWR					Mascot
1320.6001	1320.558	-0.0421	-32	61	70	QCLQDIDSWR			Carbamidomethyl (C)[2]		Mascot
1365.6289	1365.6152	-0.0137	-10	115	126	AFSESICHCLQK					Mascot
1493.7239	1493.7075	-0.0164	-11	114	126	KAFSESICHCLQK					Mascot

	1493.7239	1493.7075	-0.0164	-11	114	126	KAFSESICHCLQK										Mascot
	1638.8519	1638.8301	-0.0218	-13	1	14	MSLVDFLQGRSELK						Oxidation (M)[1]				Mascot
	1707.8986	1707.7412	-0.1574	-92	387	401	AWMSEIEKAVSSLLK						Oxidation (M)[3]				Mascot
	2283.9646	2284.1438	0.1792	78	95	113	EMWTDPDSCSTQSLHDL FR						Oxidation (M)[2]				Mascot
44	titin a [Danio rerio]				gi 110005909		3646149.2	6.18	69	39	0	13	0				

Peptide Information																	
Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result	Type					
807.3882	807.3833	-0.0049	-6	10412	10418	EPATFDK						Mascot					
842.4981	842.4921	-0.006	-7	8812	8818	EDILPKK						Mascot					
850.4417	850.4256	-0.0161	-19	12407	12413	DNVFSLR						Mascot					
850.5396	850.5252	-0.0144	-17	17926	17932	FLLTKTK						Mascot					
882.4679	882.5496	0.0817	93	2876	2882	YKVSTER						Mascot					
973.5101	973.5106	0.0005	1	14544	14552	GDHGVFTIK						Mascot					
995.538	995.4966	-0.0414	-42	1755	1762	AERVVHER						Mascot					
996.591	996.5773	-0.0137	-14	9064	9072	MKAVPLPPK			Oxidation (M)[1]			Mascot					
1003.4301	1003.5322	0.1021	102	21943	21950	TGCEYQFR						Mascot					
1037.5514	1037.5077	-0.0437	-42	5042	5050	ETAAYLEIK						Mascot					
1045.5347	1045.5433	0.0086	8	7144	7153	CQIGGTPEIK						Mascot					
1051.6259	1051.6942	0.0683	65	32375	32384	SPIASPPRVK						Mascot					
1090.4987	1090.5089	0.0102	9	30271	30280	YYAGCGTSLR						Mascot					
1107.4922	1107.5193	0.0271	24	20158	20166	LAENVMDCR			Carbamidomethyl (C)[8]			Mascot					
1109.4966	1109.4685	-0.0281	-25	27153	27161	CQCEVTELK			Carbamidomethyl (C)[1]			Mascot					
1118.5477	1118.4875	-0.0602	-54	15824	15833	LSWDTSGPQK						Mascot					
1165.5582	1165.5636	0.0054	5	32119	32129	ESETSAEVSVK						Mascot					
1165.6211	1165.723	0.1019	87	28447	28457	VSAENKFGVSK						Mascot					
1165.6211	1165.723	0.1019	87	28447	28457	VSAENKFGVSK						Mascot					
1179.6078	1179.5793	-0.0285	-24	28311	28319	VTWKLEEMK			Oxidation (M)[8]			Mascot					
1179.7096	1179.5793	-0.1303	-110	10001	10010	KEITPTHILK						Mascot					
1192.5626	1192.5741	0.0115	10	17549	17559	AVNMIGEGETR			Oxidation (M)[4]			Mascot					
1192.5858	1192.5741	-0.0117	-10	12122	12130	WFRDGNEIR	16		0			Mascot					
1193.5586	1193.5833	0.0247	21	28591	28601	WSVPFNDGGSK						Mascot					
1201.6133	1201.6172	0.0039	3	8745	8754	EMIPTQIPEK			Oxidation (M)[2]			Mascot					
1206.5823	1206.5894	0.0071	6	622	631	NLDELWVSCK						Mascot					
1206.6729	1206.5894	-0.0835	-69	20481	20491	YVLTLENVAGK	4		0			Mascot					
1224.6041	1224.5442	-0.0599	-49	17524	17533	DDLKQCAYR						Mascot					

1234.6096	1234.6553	0.0457	37	6575	6585	GKDASLNCELK	Carbamidomethyl (C)[8]	Mascot
1234.6096	1234.6553	0.0457	37	6575	6585	GKDASLNCELK	Carbamidomethyl (C)[8]	Mascot
1240.6168	1240.5388	-0.078	-63	9126	9135	QDDEVLHKEK		Mascot
1263.6943	1263.67	-0.0243	-19	15216	15225	LLFETKEIDR		Mascot
1277.7688	1277.686	-0.0828	-65	16200	16211	EKIVVHAGGVIR		Mascot
1277.7688	1277.686	-0.0828	-65	16200	16211	EKIVVHAGGVIR		Mascot
1300.5735	1300.5425	-0.031	-24	5575	5585	GSMPMTISWMK	Oxidation (M)[3,5]	Mascot
1307.6842	1307.6515	-0.0327	-25	6703	6713	ITFENNEVTLK		Mascot
1308.6278	1308.6346	0.0068	5	1763	1773	STEETEELRSK		Mascot
1316.5684	1316.5348	-0.0336	-26	5575	5585	GSMPMTISWMK	Oxidation (M)[3,5,10]	Mascot
1320.5914	1320.558	-0.0334	-25	1215	1225	LDDTDESQLER		Mascot
1323.6362	1323.6482	0.012	9	18414	18424	TWTNCTNDLKK		Mascot
1329.6355	1329.6433	0.0078	6	21565	21576	YMLTVENSSGTK		Mascot
1340.7467	1340.661	-0.0857	-64	2708	2718	LHQLKIMNTSR		Mascot
1365.6063	1365.6152	0.0089	7	5815	5827	NQAGSDQCSGTLK	Carbamidomethyl (C)[8]	Mascot
1383.7339	1383.6641	-0.0698	-50	28250	28262	VKAQNDAGISQPR		Mascot
1390.6559	1390.6589	0.003	2	22797	22807	ITYYEVEMQAK	Oxidation (M)[8]	Mascot
1434.8931	1434.7439	-0.1492	-104	8541	8553	IIPLKTDIPLPSK		Mascot
1434.8931	1434.7439	-0.1492	-104	8541	8553	IIPLKTDIPLPSK		Mascot
1475.7601	1475.73	-0.0301	-20	30138	30150	VFAENETGLSRPR		Mascot
1493.7166	1493.7075	-0.0091	-6	28125	28136	LSWQEVSECTR		Mascot
1493.8257	1493.7075	-0.1182	-79	63	77	AVLMIPAVTAAHSGR		Mascot
1588.7635	1588.8296	0.0661	42	17742	17757	VSAENKCGPGPATETK		Mascot
1638.9061	1638.8301	-0.076	-46	7730	7743	DIDIVELLRNVDPK		Mascot
1653.7577	1653.7505	-0.0072	-4	28440	28452	YMEYTFRVSANENK	Oxidation (M)[2]	Mascot
1653.7822	1653.7505	-0.0317	-19	6852	6866	DTQSIVGKSMELDCK		Mascot
1675.7996	1675.8612	0.0616	37	27046	27060	AFTIVTNECANTTYK		Mascot
1707.8557	1707.7412	-0.1145	-67	20153	20166	LLWTKLAENVMDCR	Oxidation (M)[11]	Mascot
1716.9166	1716.8212	-0.0954	-56	3493	3507	VELSQLSAAEKWVEK		Mascot
1720.8024	1720.7566	-0.0458	-27	18634	18649	KDSGYYSLSAENSTAK		Mascot
1789.8901	1789.8832	-0.0069	-4	10091	10106	ESFAVTNKADCIVHQB		Mascot
1834.8173	1834.7976	-0.0197	-11	11858	11871	HYFSITMMKDCEIK	Carbamidomethyl (C)[11], Oxidation (M)[7,8]	Mascot
1838.9	1838.8915	-0.0085	-5	25318	25333	DPCAPPSQPRVMNITR	Carbamidomethyl (C)[3]	Mascot
1876.8898	1876.8947	0.0049	3	1661	1675	LHYDGIHYLEITDCK	Carbamidomethyl (C)[14]	Mascot
1993.9358	1993.9424	0.0066	3	4822	4838	LECQVDEDTGVSIIWMR		Mascot
1994.1182	1993.9424	-0.1758	-88	4601	4618	TSTSSHLTVIPRVPPVFR		Mascot

	2211.0713	2211.0754	0.0041	2	29957	29976	TPLCPPEPPSFPPEIMDV TK		Oxidation (M)[16]	Mascot
	2225.0801	2225.0862	0.0061	3	488	506	IRKPMHVEGAQMEEEAD VR			Mascot
	2232.9575	2233.0569	0.0994	45	1525	1542	MINEFGYCSLDYEVAYS		Carbamidomethyl (C)[8], Oxidation (M)[1]	Mascot
	2283.1511	2283.1533	0.0022	1	15583	15602	IFMDISADELLCVRAGTPF K		Carbamidomethyl (C)[12]	Mascot
	2284.1389	2284.1438	0.0049	2	21385	21405	ACDTIFQPGPPGNPRVLD TTK		Carbamidomethyl (C)[2]	Mascot
	2367.2917	2367.229	-0.0627	-26	23929	23950	SDPRPLASPVIADVTIEP SFK			Mascot
	2369.1428	2368.9758	-0.167	-70	26899	26919	DILEEADVLDISMSTQYI AK			Mascot
	2384.0129	2383.9199	-0.093	-39	30220	30239	NHSLSVMTDEQEDEGLY TCR		Carbamidomethyl (C)[19]	Mascot
	2510.114	2510.0913	-0.0227	-9	16823	16844	AGDEEWLQVNQTPDSCP STTFK		Carbamidomethyl (C)[16]	Mascot
	2872.4258	2872.3606	-0.0652	-23	28183	28208	RLDVIDTTSTTASLVWMK PEHDGGS			Mascot
45	MCM6 minichromosome maintenance deficient 6, like [Danio rerio]				gi 70887711	93152.1	5.23	13	39	0

Peptide Information

Calc. Mass	Obsrv. Mass	\pm da	\pm ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.5789	973.5106	-0.0683	-70	117	124	IRELSTVR					Mascot
995.4826	995.4966	0.014	14	373	381	TTMEGTSR					Mascot
996.5261	996.5773	0.0512	51	194	201	FVDFQKGR					Mascot
1165.6252	1165.5636	-0.0616	-53	747	755	SELINWYLK					Mascot
1165.6252	1165.723	0.0978	84	747	755	SELINWYLK					Mascot
1165.6252	1165.723	0.0978	84	747	755	SELINWYLK					Mascot
1234.7228	1234.6553	-0.0675	-55	361	372	GILLMLFGGVAK			Oxidation (M)[5]		Mascot
1234.7228	1234.6553	-0.0675	-55	361	372	GILLMLFGGVAK			Oxidation (M)[5]		Mascot
1277.6195	1277.686	0.0665	52	321	330	NQMTVLEWEK					Mascot
1277.6195	1277.686	0.0665	52	321	330	NQMTVLEWEK					Mascot
1357.8162	1357.6908	-0.1254	-92	119	130	ELSTVRIGTLR					Mascot
1390.8239	1390.6589	-0.165	-119	360	372	RGILLMLFGGVAK			Oxidation (M)[6]		Mascot
1475.7502	1475.73	-0.0202	-14	90	102	HFARDHGNIPPSK					Mascot
1675.8618	1675.8612	-0.0006	0	509	523	SLKQNVNMSAPIMSR					Mascot
1707.8306	1707.7412	-0.0894	-52	168	182	YTQPTICKNPVCANR					Mascot
1789.9065	1789.8832	-0.0233	-13	756	771	EIESEIDSEAEVAKK					Mascot
2211.1875	2211.0754	-0.1121	-51	361	381	GILLMLFGGVAKTTMEGT SLR			Oxidation (M)[5]		Mascot

46	Ect2 protein [Danio rerio]				gi 66911847	109863.5	8.59	16	38	0
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
973.4995	973.5106	0.0111	11	562	568	CERQKPR			Carbamidomethyl (C)[1]		Mascot
1165.5266	1165.5636	0.037	32	290	298	NNMEERTQK			Oxidation (M)[3]		Mascot
1201.5807	1201.6172	0.0365	30	85	95	EGQPGTEAREK					Mascot
1206.6412	1206.5894	-0.0518	-43	779	787	TTWLRTLCL			Carbamidomethyl (C)[8]		Mascot
1206.6412	1206.5894	-0.0518	-43	779	787	TTWLRTLCL			Carbamidomethyl (C)[8]		Mascot
1224.5314	1224.5442	0.0128	10	852	862	AFMANGTPDER			Oxidation (M)[3]		Mascot
1234.5304	1234.6553	0.1249	101	863	873	SPCPDADRMSR					Mascot
1234.5304	1234.6553	0.1249	101	863	873	SPCPDADRMSR	0	0			Mascot
1300.6896	1300.5425	-0.1471	-113	396	406	ETEISPFPPRK					Mascot
1307.5468	1307.6515	0.1047	80	863	873	SPCPDADRMSR			Carbamidomethyl (C)[3], Oxidation (M)[9]		Mascot
1308.7457	1308.6346	-0.1111	-85	727	737	HITLMPLSQIR					Mascot
1323.6838	1323.6482	-0.0356	-27	953	964	CRDLLAPPEPGR					Mascot
1340.6692	1340.661	-0.0082	-6	14	25	SILVDSSVYDSR					Mascot
1434.7303	1434.7439	0.0136	9	784	795	TLCRQVANTICR			Carbamidomethyl (C)[3]		Mascot
1434.7303	1434.7439	0.0136	9	784	795	TLCRQVANTICR			Carbamidomethyl (C)[3]		Mascot
1653.7478	1653.7505	0.0027	2	337	349	QEWFWGSIQMDAR					Mascot
1653.7478	1653.7505	0.0027	2	337	349	QEWFWGSIQMDAR					Mascot
1675.8757	1675.8612	-0.0145	-9	54	68	VVLVGEACKMAELEK			Carbamidomethyl (C)[8]		Mascot
1720.7847	1720.7566	-0.0281	-16	515	528	ADLEELVMNWSEER					Mascot
1838.9971	1838.8915	-0.1056	-57	885	902	SASTFSLTGSIKSAVVQR					Mascot
2369.1323	2368.9758	-0.1565	-66	874	896	MSSSSTLAMRSASTFSL TGSIK			Oxidation (M)[1,9]		Mascot

47 myoferlin [Danio rerio] gi|319738633 229877.2 5.76 22 38 0

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Seq.	Sequence	Ion Score	C. I.	% Modification	Rank	Result Type
842.409	842.4921	0.0831	99	991	996	MYHVHR					Mascot
973.5464	973.5106	-0.0358	-37	1845	1852	SEFRIPPK					Mascot
1037.4945	1037.5077	0.0132	13	213	221	VHVCGETHR					Mascot
1109.5924	1109.4685	-0.1239	-112	1984	1991	TCKFIVWR			Carbamidomethyl (C)[2]		Mascot
1165.5735	1165.5636	-0.0099	-8	718	727	LFEEATDVNK					Mascot
1165.5735	1165.723	0.1495	128	718	727	LFEEATDVNK					Mascot
1165.5735	1165.723	0.1495	128	718	727	LFEEATDVNK					Mascot
1193.6273	1193.5833	-0.044	-37	653	663	FAVQSKATDAR					Mascot

	1206.517	1206.5894	0.0724	60	1459	1468	EFMGLTDFCK		Oxidation (M)[3]		Mascot
	1206.517	1206.5894	0.0724	60	1459	1468	EFMGLTDFCK		Oxidation (M)[3]		Mascot
	1263.5997	1263.67	0.0703	56	1188	1198	DQVGKDEMLGR		Oxidation (M)[8]		Mascot
	1277.6405	1277.686	0.0455	36	705	716	DKALEGIMEGAK		Oxidation (M)[8]		Mascot
	1277.6405	1277.686	0.0455	36	705	716	DKALEGIMEGAK		Oxidation (M)[8]		Mascot
	1307.6267	1307.6515	0.0248	19	1416	1425	EKETVDWWSK				Mascot
	1308.6947	1308.6346	-0.0601	-46	429	438	IKLTVYDWDR				Mascot
	1323.5997	1323.6482	0.0485	37	1539	1549	DNNGKCDPYIK		Carbamidomethyl (C)[6]		Mascot
	1365.7122	1365.6152	-0.097	-71	1704	1715	TQGLVPEHVETR				Mascot
	1390.7035	1390.6589	-0.0446	-32	814	825	VNMWLGLATEEK				Mascot
	1675.8835	1675.8612	-0.0223	-13	812	825	IRVNMWLGLATEEK		Oxidation (M)[5]		Mascot
	1720.9056	1720.7566	-0.149	-87	384	398	NLVDPFVEAWFAGKK				Mascot
	1789.9187	1789.8832	-0.0355	-20	1199	1216	STCVPLVKLASGMDGSP K				Mascot
	1834.9255	1834.7976	-0.1279	-70	309	325	VSMFVVGTDGEPPEKK		Oxidation (M)[3]		Mascot
	1994.1168	1993.9424	-0.1744	-87	684	701	IPDLEGKPNLTSLDIQIK				Mascot
	1994.1168	1993.9424	-0.1744	-87	684	701	IPDLEGKPNLTSLDIQIK				Mascot
	2225.0654	2225.0862	0.0208	9	1556	1574	SVDDRDNYMPLTLNPVF GR		Oxidation (M)[9]		Mascot
	2367.1589	2367.229	0.0701	30	1965	1983	LDPPKRPETSFFWFTNP CK		Carbamidomethyl (C)[18]		Mascot
	2384.1938	2383.9199	-0.2739	-115	326	347	EQDSDKDDVESNLLLPA GVALR				Mascot
48	PREDICTED: histone-lysine N-methyltransferase SETD2-like [Danio rerio]				gi 326674803	158096.4	4.83	1	25	14.605	

Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1653.7393	1653.7505	0.0112	7	528	540 MQCEAILSKEER	25	14.605	Carbamidomethyl (C)[3,5]	3	Mascot

49	DNA polymerase epsilon subunit 2 [Danio rerio]				gi 27545241	59223.9	5.65	1	22	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
1206.6589	1206.5894	-0.0695	-58	132	140 ERYTILQQR	24	0		2	Mascot

50	Ccadc101 protein [Danio rerio]				gi 201090170	33213	8.21	1	23	0	
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Peptide Information

Calc. Mass	Obsrv. Mass	± da	± ppm	Start Seq.	End Sequence Seq.	Ion Score	C. I. %	Modification	Rank	Result Type
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1234.5732

1234.6553

0.0821

67

68

78 ADAEAECSILR

23

0 Carbamidomethyl (C)[7]

2 Mascot
