

			α1	α2
Rabbit IFRD2	1	MPRARKGN-----TPRKGGQRRGGGARSSAQADSGSSEDEA-ASEARSTTSECPSLLSTTAEDSLGGDVT-DEQGPQEDLEEKLKEYVDGLTDRSAKTRQGALES		
Mouse IFRD2	1	MPRARKGN-----ALRKGQGRRGGGARSSQTQADSGSSEDEA-ASEARSTTSDCPSSLSATTEDCLLGGEAV-DEQSQQENLEEKLKGVDCLTDRSAKTRQGALES		
Human IFRD2	1	MPRARKGN-----TLRKGGQRRGGGARSSAQADSGSSDDEA-ASEARSTASECPSSLSTTAEDSLGGDVT-DEQGPQEDLEEKLKEYVDCLTDRSAKTRQGALES		
Xenopus IFRD2	1	MPRARRGNQ-----SAKKGSGNR--GSRNGTRGDSEASEDEA-ASEVLSHCSSASSETVSVAAEAAA--GNEV-DYQAQQEERLDKLKEDIENVMKRSVKTRLAALGN		
Zebrafish IFRD2	1	MPRNKKKG-----RGGNSSSK---GRNGVRGETGVSSDDIL-ASDVLSHYSS-ASESASVIEEG-AGEVV-DEQTAQEETEDPKLKQCIDNLMKDSAKTRLAALLES		
Xenopus IFRD1	1	MPKPKRSN-----RAAGQHK-----NVQAFSDDDSD-SIETMSHCSS-FSDVASFAEDG---TEV-DEFAAQEDFQYKLKGLIDLTMKDSAKTRQAALEG		
Zebrafish IFRD1	1	MPKPKRSN-----GKGQQQG-----NVQFSDDEDA-SIETMSHCSS-LSERTSAAEEA---GET--EEMAEEDFQYKLKGLIYDSTVDRSAKTRQGAALDG		
Mouse IFRD1	1	MPKNKKRNAPHRRGGGGG---GSGGAATSAATAGGPHR-----TVQPFSDEDA-SIETMSHCSS-YSDPSSFAEDG---PEVLDEEGTQEDLEYKLGKGLIDLTMKDSAKTRQAALEG		
Human IFRD1	1	MPKNKKRNTPHRGSSAGGGGGSGAAAAATAATAGGQHR-----NVQPFSDEDA-SIETMSHCSS-YSDPSSFAEDG---PEVLDEEGTQEDLEYKLGKGLIDLTMKDSAKTRQAALEG		
Rabbit IFRD1	1	MPKNKKRNAPHRRGGSGGGGGSGAAAAATAATAGGQHR-----NVQPFSDEDA-SIETMSHCSS-YSDPSSFAEDG---PEVLDEEGSQEDLEYKLGKGLIDLTMKDSAKTRQAALEG		
Drosophila IFRD1	1	MPRRNKKS-----AAGRGR-----NDSNDEDE-SFDNVSVYSH-MSEVAS-----SEA-TDELANERFEKFEKALEQATEKSAQTRVQALQA		
Drosophila IFRD2	1	MPRRNKKS-----AAGRGR-----NDSNDEDE-SFDNVSVYSH-MSEVAS-----SEA-TDELANERFEKFEKALEQATEKSAQTRVQALQA		
C.elegans IFRD1	1	MGNKNRKN-----KDKDPYI-----GPAKTGRNDSDDSDSESSAYT-YNEDIQ-----SIM-GDVEDMNDVYDQLVDNLDRAQDKNSTRIDGLHR		
C.elegans IFRD2	1	MGNKNRKN-----KDKDPYI-----GPAKTGRNDSDDSDSESSAYT-YNEDIQ-----SIM-GDVEDMNDVYDQLVDNLDRAQDKNSTRIDGLHR		
Consensus:		Ms+s+p.s.....s.s.....ss...tcp..t..s..Sph.p..sp..p.....s.h.sr..sbpchb.pL...l..h.DKstpTRbstLp.		

			α3	α4	α5	α6	α7
Rabbit IFRD2	99	LRLALASRLLPDFLLERRITLADALEKCLKKKGKEEQALAAAVLGLLCVQLGPGKGEELFHSLOPLLISVLSDSTASPAARLHCASALGLGCYVAAAD-VQDLVSLCLACLEGVFSRSCG					
Mouse IFRD2	99	LRLALASRLLPDFLLERSLTLADALEKCLKKKGKEEQALAAAVLGLLCVQLGPGKGEELFHSLOPLLISVLSDSTASPTARLHCASALGLGCYVAAAD-VQDLVSLCLACLEGVFSRSCG					
Human IFRD2	99	LRLALASRLLPDFLLERRITLADALEKCLKKKGKEEQALAAAVLGLLCVQLGPGKGEELFHSLOPLLISVLSDSTASPAARLHCASALGLGCYVAAAD-IQDLVSLCLACLEGVFSRSG					
Xenopus IFRD2	96	LRLALSSQVLADFLLERRITLLEALERCLKKKGKEEQVAAIVLSLLSIQLGCGAEGEELFRVCVPIILINIVTDSSAGLSARQSCATCLGLCCYIAED-VEDLISTVCLEGIFTSCYS					
Zebrafish IFRD2	93	LRMAFSSRVLYEFLLERRYTISDCLERSLKKKGEGEEQAAATVFALLCLLGGGVEGEEGFKMRPVLSTILIDSCASLAARQSCARALGCCCVIASADDELLKSLGHLESFVFGAYP					
Xenopus IFRD1	85	LKTLGSSKILYDFISERRMTLTDIERCLKKKGSEEGQVAAALACCLLGGGIESEEVFRTVAPVLKTVCDRSANTQARQACATYLGCCFIATDD-VEDLYTLMCEMNLFTKQYH					
Zebrafish IFRD1	83	LKTMATKILYDFISERRMTITDIERCLKKKGVEQSAASLACLLCIOLGSGIESEEVFKSLKPFVKTLINDGTANIQAQACATSLGLCTLVAEDD-IMDVYATMCFEFTKTSYI					
Mouse IFRD1	104	LKALNSKVLVEFVLERRMTLTDIERCLKKKGSDQRAAAAVASVLCIOLGPGIESEELIKTLGLPILKKICDGSASMQARQTCATCFGVCCFIATDD-ITELYSTLECFENFTKSYL					
Human IFRD1	106	IKNALASKMLYEFILERRMTLTDIERCLKKKGSDQRAAAALASVLCIOLGPGIESEELIKTLGLPILKKICDGSASMQARQTCATCFGVCCFIATDD-ITELYSTLECFENFTKSYL					
Rabbit IFRD1	106	IKNALASKMLCEFILERRMTLTDIERCLKKKGSDQRAAAALASVLCIOLGPGIESEELIKTLGLPILKKICDGTASIQAQTCATCFGVCCFIATDD-ITELYSTLECFENFTKSYI					
Drosophila IFRD1	77	ICELLMHRYMPDEFVDRKMTLMDFVEKSIIRKGQGEQVVGARLAPLLVLQMG---DEGISKAMNQFLNTVQDKSVGFADARAKCTAVGLLSFLGCD-VGELVLHMQSFEAIFAGSYL					
Drosophila IFRD2	77	ICELLMHRYMPDEFVDRKMTLMDFVEKSIIRKGQGEQVVGARLAPLLVLQMG---DEGISKAMNQFLNTVQDKSVGFADARAKCTAVGLLSFLGCD-VGELVLHMQSFEAIFAGSYL					
C.elegans IFRD1	80	VNLALTAKPAPEFINRNKETIMAVCSRMANKPDSEAQFL-ARLVGLVAVQAGE--EISEMIAEPMQSMRTILMDASRCVFLRTACATSLAIVTRIACSE-DEEVTANAKACRFWAHTKV					
C.elegans IFRD2	80	VNLALTAKPAPEFINRNKETIMAVCSRMANKPDSEAQFL-ARLVGLVAVQAGE--EISEMIAEPMQSMRTILMDASRCVFLRTACATSLAIVTRIACSE-DEEVTANAKACRFWAHTKV					
Consensus:		lp.tLss+.h..-Fl.cp+Thhshp+.hkKscp.Q.htA.lhtLltlQHG...c.pzhh...s.h.sll.D.o.th.hR..CAotltlhh.lthp...-lh.sh.thc.h@h.sb.					

			α8	α9	α10	α11	α12
Rabbit IFRD2	218	-TGSSTSHV-APASLHGVCCALQAWALLTICPSAHISHILD-----RQLPRLPQLLSSESVNLRIAAGETIALLFELARDLEEDFVYEDMEALCSTRTLATDSNKYRAKADRRRQR					
Mouse IFRD2	218	TSGSAASL--VPASLHGLLCAALQAWALLTICPGTHISHILD-----RQLPRLPQLLSSESVNLRIAAGETIALLFELARDLEEDFVYEDMEALCGLSRLTLATDSNKYRAKVDRRRQR					
Human IFRD2	218	LGGSSSTPV-VPASLHGLLSAALQAWALLTICPSTQISHILD-----RQLPRLPQLLSSESVNLRIAAGETIALLFELARDLEEFVYEDMEALCGLSRLTLATDSNKYRAKADRRRQR					
Xenopus IFRD2	215	-NCSSPS----PALQGLLCAALQAWALLTICPATHVHKVLE-----SHLPQSLGISSESVSRLTAGENLALLHGLDLDFFYEDMESLCVTLKALATDSNKYRAKTRDRRQR					
Zebrafish IFRD2	213	-LGDGSLPS-VKAGTIPALHSAALQAWALLTICLPASHINTILN-----HHLPRLHACLSESEVNFRVIAAGETIALLYELGRDIDQFEYEDDCALCDSLKLATDGNKHRAKNDRRQR					
Xenopus IFRD1	204	-SEGG-----ADNCSALHIALQASWLLTICTHNSVEKKILN-----IHLRLKPLACEVNMRTIAGETIALLFELAREADAFYFEDLEPDLTKSLATDGNKHRAKTRDRRQR					
Zebrafish IFRD1	202	-REDGSRPS-VSPPTVQLHTNALLSWALLTICTGSHIRAIQ-----KHLAKLPRLENDNVNMRTIAGETIALLFELIRDVEPEFDLDEWEPLCEKLNALATDCNKHRAKTRDKRQR					
Mouse IFRD1	223	-KEKDTNVT-CSTPNTVLHISSSLAWLLLTICPINEVKKLE-----LHFHKLPSLLSCDDVMNRTIAGESLALLFELARGMESDFFYEDMDSLTQMLRALATDGNKHRAKVDKRRQR					
Human IFRD1	225	-KEKDTTVI-CSTPNTVLHISSSLAWLLLTICPINEVKKLE-----LHFHKLPSLLSCDDVMNRTIAGESLALLFELARGMESDFFYEDMDSLTQMLRALATDGNKHRAKVDKRRQR					
Rabbit IFRD1	225	-KEKDTNVL-CSTPSTVLHISSSLAWLLLTICPISEVKKLE-----MHFHKLPSSLSCDDVMNRTIAGESLALLFELARGIESDFFYEDMESLTQMLRALATDGNKHRAKVDKRRQR					
Drosophila IFRD1	193	-RGDDTKTPSVTAEAGTFHAEALNAWGLLLTLIPSGDFVSLMTTGQNMFPFSIKKFLGLLQSTHLDVMAAGETIALLILESGRAHEEDFLEDDIALSEAVKQLATDSHKYRAKRDRAQR					
Drosophila IFRD2	193	-RGDDTKTPSVTAEAGTFHAEALNAWGLLLTLIPSGDFVSLMTTGQNMFPFSIKKFLGLLQSTHLDVMAAGETIALLILESGRAHEEDFLEDDIALSEAVKQLATDSHKYRAKRDRAQR					
C.elegans IFRD1	196	-SGSANDIG----HAKLVGTSLSFSWCVMLLDADFQITINDAV-----ADQPKIVTLSSNQLEVLRLAAETLAFHLEFMQDARGPFRFNKEHVLSSLDQMVNDSSKKKTKKDKRAQR					
C.elegans IFRD2	196	-SGSANDIG----HAKLVGTSLSFSWCVMLLDADFQITINDAV-----ADQPKIVTLSSNQLEVLRLAAETLAFHLEFMQDARGPFRFNKEHVLSSLDQMVNDSSKKKTKKDKRAQR					
Consensus:		.p.ssss...ss.h..lh..tLbWhlhLh.ts..plpp.hp.....pb.+l..LLtpplphrLAAEoLhL@Eh.pshc..F.h.sb-.lhp.Lc.hhsDtsK.+hK.D+R.QR					

			β1	β2	α13	α14	α15	α16
Rabbit IFRD2	330	STFRAVLHYVEG-GECEETVRFGLLEVLYVDSWARHRYVTSFKEALGSLGHHHLQNNELLRIDIFGLGPVLVLD-ATALKACKISRFKEKHYLNAAAFKARTKARSVRDRKRAIDL---						
Mouse IFRD2	330	SIFRAVLHFVEG-GECEETVRFGLLEVLYVDSWARHRYVTSFKEALGSLGHHHLQNNELLRIDIFGLGPVLVLD-AAALKACKISRFKEKHYLNAAAFKARTKARSVRDRKRAIDL---						
Human IFRD2	331	STFRAVLHVEG-GECEEIVRFGLLEVLYVDSWARHRYVTSFKEALGSLGHHHLQNNELLRIDIFGLGPVLVLD-ATALKACKVPREFKEKHYLNAAAFKARTKARSVRDRKRAIDL---						
Xenopus IFRD2	323	SIFRDVLHYIEN-GEFQENIKFGLLEVLYVDSWARRRYTNAPKEILGSGIRHHLQYNEVLRREILSLGPPVLVD-AATIKASKISRVEKHMFSNAAAFKARTKARNVRDRKRAIDV---						
Zebrafish IFRD2	325	SIFREVLHYIEN-EDFTDEKIQFGLIEVIYIDGMWRRRIYDAFKEVLSGVRHHLQNNELLRIDIFGLGPPLLD-ASVKASKISRERHLFNSAFAFKARTKARNVRDRKRAIDV---						
Xenopus IFRD1	311	SVFRDVLRAVEE-GDFQPEMIRFGRERHLDSDVWVKRLTYGTFKELFGSGMQFHLLTNVFLRSIFELGPPLLD-TATIKAMKVSREERHLLNSAFAFKARTKARKNRDRKRVDSGEFF						
Zebrafish IFRD1	314	SVFRDVLKAVED-GDFQSETIRFGTERTMLIDSVWRKRTYDAFREVLGSGMNYHLQANEFIRDVDFELGPPLLD-SATLKAMKSRERHLLNSAFAFKARTKARKNRCDKRDVDGEFF						
Mouse IFRD1	335	SVFRDVLRAVEE-RDPFTETVKFGPERMYIDSVWKHTYDTFKEVLGSGMQYHLLQTNEFLRNVPFELGPVMLD-AATLTKMTKISRFRERHLYNSAFAFKARTKARKNRCDKRDVGEFFL						
Human IFRD1	337	SVFRDVLRAVEE-RDPFTETVKFGPERMYIDCWVKHTYDTFKEVLGSGMQYHLLQSNFELRNVPFELGPVMLD-AATLTKMTKISRFRERHLYNSAFAFKARTKARKNRCDKRDVGEFF						
Rabbit IFRD1	337	SVFRDVLRAVEE-RDPFTETVKFGPERMYIDSVWKHTYDTFKEVLGSGMQYHLLQSNFELRNVPFELGPVMLD-AATLTKMTKISRFRERHLYNSAFAFKARTKARKNRCDKRDVGEFF						
Drosophila IFRD1	312	ATFRDVLRYLEE-DISPESIRFQTESLTLDSWSIHQYSAMCTVMGPGMTSOLQENEFIRDFIQGLPRPTNTGINGNAKVPTKLERHLYLNAAAFKARSITRGKNDRKRSVAVT--						
Drosophila IFRD2	312	ATFRDVLRYLEE-DISPESIRFQTESLTLDSWSIHQYSAMCTVMGPGMTSOLQENEFIRDFIQGLPRPTNTGINGNAKVPTKLERHLYLNAAAFKARSITRGKNDRKRSVAVT--						
C.elegans IFRD1	303	YAVRDIRAFIATEDDEDAPEVNVKIQQOTLSLSDCAIKIFYDTTCDLLHGGLAQQLLHNEVLRDVFGLPIALEP-----AESANKQSRSLAVHEAADKHRNQVRGKQDKRSTVY---						
C.elegans IFRD2	303	YAVRDIRAFIATEDDEDAPEVNVKIQQOTLSLSDCAIKIFYDTTCDLLHGGLAQQLLHNEVLRDVFGLPIALEP-----AESANKQSRSLAVHEAADKHRNQVRGKQDKRSTVY---						
Consensus:		.hR-1..h.l.p.--h.p.s+hG.p.h.JDShh..f.hYshh..-lh.TGh..pLb.NEhRslF.LGP.hhbs..ss..h.p.s+bp+hphp.AA.KhRspRs+.RDRKtsV....						