**Figure 2- Supplementary file 1: Proteins identified by LC-MS/MS following UBTD1 immunoprecipitation in DU145 cell line.**

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| **Accession**  | **Description**  | **Coverage** **[%]**  | **# Peptides**  | **#** **PSMs**  | **# Unique** **Peptides**  | **Score** **Sequest** **HT**  | **#** **Peptides**  |
|  |  |  |  |  |  |  |  |
| Q562R1  | Beta-actin-like protein 2 OS=Homo sapiens OX=9606 GN=ACTBL2 PE=1 SV=2  | 18  | 9  | 181  | 1  | 219,08  | 9  |
| Q9ULV0  | Unconventional myosin-Vb OS=Homo sapiens OX=9606 GN=MYO5B PE=1 SV=3  | 3  | 7  | 17  | 2  | 43,42  | 7  |
| P15170  | Eukaryotic peptide chain release factor GTP-binding subunit ERF3A OS=Homo sapiens OX=9606 GN=GSPT1 PE=1 SV=1  | 7  | 3  | 3  | 3  | 7,51  | 3  |
| P62277  | 40S ribosomal protein S13 OS=Homo sapiens OX=9606 GN=RPS13 PE=1 SV=2  | 15  | 2  | 2  | 2  | 4,99  | 2  |
| P10768  | S-formylglutathione hydrolase OS=Homo sapiens OX=9606 GN=ESD PE=1 SV=2  | 7  | 2  | 2  | 2  | 2,84  | 2  |
| Q86UP2  | Kinectin OS=Homo sapiens OX=9606 GN=KTN1 PE=1 SV=1  | 1  | 1  | 1  | 1  | 2,56  | 1  |
| Q9NYU2  | UDP-glucose:glycoprotein glucosyltransferase 1 OS=Homo sapiens OX=9606 GN=UGGT1 PE=1 SV=3  | 1  | 1  | 2  | 1  | 4,16  | 1  |
| P54727  | UV excision repair protein RAD23 homolog B OS=Homo sapiens OX=9606 GN=RAD23B PE=1 SV=1  | 9  | 2  | 3  | 2  | 6,52  | 2  |
| P09382  | Galectin-1 OS=Homo sapiens OX=9606 GN=LGALS1 PE=1 SV=2  | 15  | 2  | 3  | 2  | 6,64  | 2  |
| P51659  | Peroxisomal multifunctional enzyme type 2 OS=Homo sapiens OX=9606 GN=HSD17B4 PE=1 SV=3  | 2  | 2  | 4  | 2  | 8,15  | 2  |
| Q99439  | Calponin-2 OS=Homo sapiens OX=9606 GN=CNN2 PE=1 SV=4  | 7  | 2  | 4  | 2  | 9,56  | 2  |
| O60488  | Long-chain-fatty-acid--CoA ligase 4 OS=Homo sapiens OX=9606 GN=ACSL4 PE=1 SV=2  | 2  | 1  | 1  | 1  | 2,92  | 1  |
| O75534  | Cold shock domain-containing protein E1 OS=Homo sapiens OX=9606 GN=CSDE1 PE=1 SV=2  | 4  | 3  | 4  | 3  | 3,26  | 3  |
| P54886  | Delta-1-pyrroline-5-carboxylate synthase OS=Homo sapiens OX=9606 GN=ALDH18A1 PE=1 SV=2  | 2  | 2  | 3  | 2  | 3,65  | 2  |
| Q9BVP2  | Guanine nucleotide-binding protein-like 3 OS=Homo sapiens OX=9606 GN=GNL3 PE=1 SV=2  | 3  | 2  | 3  | 2  | 5,28  | 2  |

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| Q13596  | Sorting nexin-1 OS=Homo sapiens OX=9606 GN=SNX1 PE=1 SV=3  | 4  | 2  | 2  | 2  | 2,44  | 2  |
| Q15637  | Splicing factor 1 OS=Homo sapiens OX=9606 GN=SF1 PE=1 SV=4  | 2  | 1  | 2  | 1  | 4,2  | 1  |
| P60953  | Cell division control protein 42 homolog OS=Homo sapiens OX=9606 GN=CDC42 PE=1 SV=2  | 5  | 1  | 3  | 1  | 1,81  | 1  |
| P24390  | ER lumen protein-retaining receptor 1 OS=Homo sapiens OX=9606 GN=KDELR1 PE=1 SV=1  | 5  | 1  | 2  | 1  | 4,73  | 1  |
| Q96CS3  | FAS-associated factor 2 OS=Homo sapiens OX=9606 GN=FAF2 PE=1 SV=2  | 2  | 1  | 1  | 1  | 1,86  | 1  |
| Q8TF05  | Serine/threonine-protein phosphatase 4 regulatory subunit 1 OS=Homo sapiens OX=9606 GN=PPP4R1 PE=1 SV=1  | 2  | 2  | 2  | 2  | 1,61  | 2  |
| Q9BWD1  | Acetyl-CoA acetyltransferase, cytosolic OS=Homo sapiens OX=9606 GN=ACAT2 PE=1 SV=2  | 5  | 2  | 2  | 2  | 2,01  | 2  |
| P39748  | Flap endonuclease 1 OS=Homo sapiens OX=9606 GN=FEN1 PE=1 SV=1  | 3  | 1  | 2  | 1  | 3,96  | 1  |
| Q69YQ0  | Cytospin-A OS=Homo sapiens OX=9606 GN=SPECC1L PE=1 SV=2  | 1  | 1  | 1  | 1  | 2,23  | 1  |
| Q9Y4B5  | Microtubule cross-linking factor 1 OS=Homo sapiens OX=9606 GN=MTCL1 PE=1 SV=5  | 31  | 53  | 121  | 53  | 323,17  | 53  |
| P46013  | Proliferation marker protein Ki-67 OS=Homo sapiens OX=9606 GN=MKI67 PE=1 SV=2  | 22  | 49  | 78  | 49  | 185,12  | 49  |
| Q13586  | Stromal interaction molecule 1 OS=Homo sapiens OX=9606 GN=STIM1 PE=1 SV=3  | 36  | 23  | 48  | 23  | 156,95  | 23  |
| Q9UQ35  | Serine/arginine repetitive matrix protein 2 OS=Homo sapiens OX=9606 GN=SRRM2 PE=1 SV=2  | 13  | 25  | 47  | 25  | 132,22  | 25  |
| Q14C86  | GTPase-activating protein and VPS9 domain-containing protein 1 OS=Homo sapiens OX=9606 GN=GAPVD1 PE=1 SV=2  | 24  | 32  | 54  | 32  | 134,61  | 32  |
| P27708  | CAD protein OS=Homo sapiens OX=9606 GN=CAD PE=1 SV=3  | 16  | 32  | 60  | 32  | 152,53  | 32  |
| O76031  | ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial OS=Homo sapiens OX=9606 GN=CLPX PE=1 SV=2  | 32  | 22  | 50  | 22  | 133,94  | 22  |
| Q9Y613  | FH1/FH2 domain-containing protein 1 OS=Homo sapiens OX=9606 GN=FHOD1 PE=1 SV=3  | 24  | 25  | 44  | 25  | 110,69  | 25  |
| Q13509  | Tubulin beta-3 chain OS=Homo sapiens OX=9606 GN=TUBB3 PE=1 SV=2  | 28  | 12  | 55  | 1  | 143,44  | 12  |

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| Q16740  | ATP-dependent Clp protease proteolytic subunit, mitochondrial OS=Homo sapiens OX=9606 GN=CLPP PE=1 SV=1  | 43  | 11  | 32  | 11  | 97,62  | 11  |
| Q14315  | Filamin-C OS=Homo sapiens OX=9606 GN=FLNC PE=1 SV=3  | 8  | 19  | 30  | 11  | 71,45  | 19  |
| Q14152  | Eukaryotic translation initiation factor 3 subunit A OS=Homo sapiens OX=9606 GN=EIF3A PE=1 SV=1  | 16  | 22  | 31  | 22  | 70,14  | 22  |
| P13667  | Protein disulfide-isomerase A4 OS=Homo sapiens OX=9606 GN=PDIA4 PE=1 SV=2  | 29  | 14  | 25  | 14  | 58,51  | 14  |
| Q86VP6  | Cullin-associated NEDD8-dissociated protein 1 OS=Homo sapiens OX=9606 GN=CAND1 PE=1 SV=2  | 13  | 15  | 24  | 15  | 60,19  | 15  |
| Q92841  | Probable ATP-dependent RNA helicase DDX17 OS=Homo sapiens OX=9606 GN=DDX17 PE=1 SV=2  | 19  | 13  | 22  | 8  | 50,88  | 13  |
| Q9BUF5  | Tubulin beta-6 chain OS=Homo sapiens OX=9606 GN=TUBB6 PE=1 SV=1  | 26  | 10  | 36  | 3  | 96,65  | 10  |
| P05023  | Sodium/potassium-transporting ATPase subunit alpha-1 OS=Homo sapiens OX=9606 GN=ATP1A1 PE=1 SV=1  | 14  | 12  | 17  | 12  | 47,08  | 12  |
| Q9Y4L1  | Hypoxia up-regulated protein 1 OS=Homo sapiens OX=9606 GN=HYOU1 PE=1 SV=1  | 16  | 15  | 24  | 15  | 49,67  | 15  |
| Q14596  | Next to BRCA1 gene 1 protein OS=Homo sapiens OX=9606 GN=NBR1 PE=1 SV=3  | 13  | 10  | 17  | 10  | 48,42  | 10  |
| Q92616  | eIF-2-alpha kinase activator GCN1 OS=Homo sapiens OX=9606 GN=GCN1 PE=1 SV=6  | 8  | 21  | 28  | 21  | 50,06  | 21  |
| Q969G5  | Caveolae-associated protein 3 OS=Homo sapiens OX=9606 GN=CAVIN3 PE=1 SV=3  | 31  | 8  | 24  | 8  | 65,94  | 8  |
| P78371  | T-complex protein 1 subunit beta OS=Homo sapiens OX=9606 GN=CCT2 PE=1 SV=4  | 25  | 12  | 19  | 12  | 49,95  | 12  |
| Q04637  | Eukaryotic translation initiation factor 4 gamma 1 OS=Homo sapiens OX=9606 GN=EIF4G1 PE=1 SV=4  | 11  | 12  | 17  | 12  | 47,9  | 12  |
| O60664  | Perilipin-3 OS=Homo sapiens OX=9606 GN=PLIN3 PE=1 SV=3  | 20  | 6  | 7  | 6  | 24,13  | 6  |
| O95810  | Caveolae-associated protein 2 OS=Homo sapiens OX=9606 GN=CAVIN2 PE=1 SV=3  | 21  | 8  | 15  | 8  | 39,6  | 8  |
| P08133  | Annexin A6 OS=Homo sapiens OX=9606 GN=ANXA6 PE=1 SV=3  | 22  | 14  | 21  | 14  | 38,41  | 14  |
| P09960  | Leukotriene A-4 hydrolase OS=Homo sapiens OX=9606 GN=LTA4H PE=1 SV=2  | 19  | 10  | 17  | 10  | 36,62  | 10  |

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| P22102  | Trifunctional purine biosynthetic protein adenosine-3 OS=Homo sapiens OX=9606 GN=GART PE=1 SV=1  | 13  | 11  | 15  | 11  | 31,64  | 11  |
| Q14764  | Major vault protein OS=Homo sapiens OX=9606 GN=MVP PE=1 SV=4  | 13  | 10  | 14  | 10  | 33,49  | 10  |
| Q04206  | Transcription factor p65 OS=Homo sapiens OX=9606 GN=RELA PE=1 SV=2  | 17  | 8  | 13  | 8  | 33,97  | 8  |
| Q9UPN4  | Centrosomal protein of 131 kDa OS=Homo sapiens OX=9606 GN=CEP131 PE=1 SV=3  | 10  | 8  | 12  | 8  | 28  | 8  |
| Q15393  | Splicing factor 3B subunit 3 OS=Homo sapiens OX=9606 GN=SF3B3 PE=1 SV=4  | 9  | 10  | 13  | 10  | 29,88  | 10  |
| Q15029  | 116 kDa U5 small nuclear ribonucleoprotein component OS=Homo sapiens OX=9606 GN=EFTUD2 PE=1 SV=1  | 11  | 9  | 17  | 8  | 38,39  | 9  |
| Q13283  | Ras GTPase-activating protein-binding protein 1 OS=Homo sapiens OX=9606 GN=G3BP1 PE=1 SV=1  | 18  | 6  | 12  | 6  | 25,14  | 6  |
| P41252  | Isoleucine--tRNA ligase, cytoplasmic OS=Homo sapiens OX=9606 GN=IARS PE=1 SV=2  | 8  | 9  | 14  | 9  | 34,32  | 9  |
| P53621  | Coatomer subunit alpha OS=Homo sapiens OX=9606 GN=COPA PE=1 SV=2  | 7  | 8  | 11  | 8  | 30,6  | 8  |
| P56192  | Methionine--tRNA ligase, cytoplasmic OS=Homo sapiens OX=9606 GN=MARS PE=1 SV=2  | 10  | 7  | 10  | 7  | 22,8  | 7  |
| Q08379  | Golgin subfamily A member 2 OS=Homo sapiens OX=9606 GN=GOLGA2 PE=1 SV=3  | 8  | 6  | 11  | 6  | 28,13  | 6  |
| Q12931  | Heat shock protein 75 kDa, mitochondrial OS=Homo sapiens OX=9606 GN=TRAP1 PE=1 SV=3  | 11  | 7  | 14  | 6  | 41,13  | 7  |
| Q86YT6  | E3 ubiquitin-protein ligase MIB1 OS=Homo sapiens OX=9606 GN=MIB1 PE=1 SV=1  | 10  | 7  | 12  | 7  | 33,45  | 7  |
| P11216  | Glycogen phosphorylase, brain form OS=Homo sapiens OX=9606 GN=PYGB PE=1 SV=5  | 11  | 8  | 10  | 4  | 23,39  | 8  |
| P49736  | DNA replication licensing factor MCM2 OS=Homo sapiens OX=9606 GN=MCM2 PE=1 SV=4  | 9  | 7  | 11  | 7  | 26,08  | 7  |
| P25205  | DNA replication licensing factor MCM3 OS=Homo sapiens OX=9606 GN=MCM3 PE=1 SV=3  | 10  | 9  | 12  | 9  | 20,09  | 9  |
| O60506  | Heterogeneous nuclear ribonucleoprotein Q OS=Homo sapiens OX=9606 GN=SYNCRIP PE=1 SV=2  | 13  | 7  | 10  | 3  | 22,18  | 7  |

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| Q6P2Q9  | Pre-mRNA-processing-splicing factor 8 OS=Homo sapiens OX=9606 GN=PRPF8 PE=1 SV=2  | 4  | 12  | 16  | 12  | 23,76  | 12  |
| Q03135  | Caveolin-1 OS=Homo sapiens OX=9606 GN=CAV1 PE=1 SV=4  | 29  | 6  | 21  | 6  | 49,23  | 6  |
| O15067  | Phosphoribosylformylglycinamidine synthase OS=Homo sapiens OX=9606 GN=PFAS PE=1 SV=4  | 7  | 8  | 9  | 8  | 19,64  | 8  |
| O75643  | U5 small nuclear ribonucleoprotein 200 kDa helicase OS=Homo sapiens OX=9606 GN=SNRNP200 PE=1 SV=2  | 4  | 9  | 13  | 9  | 24  | 9  |
| Q16222  | UDP-N-acetylhexosamine pyrophosphorylase OS=Homo sapiens OX=9606 GN=UAP1 PE=1 SV=3  | 14  | 7  | 12  | 7  | 27,55  | 7  |
| P55265  | Double-stranded RNA-specific adenosine deaminase OS=Homo sapiens OX=9606 GN=ADAR PE=1 SV=4  | 7  | 8  | 11  | 8  | 13,69  | 8  |
| P12429  | Annexin A3 OS=Homo sapiens OX=9606 GN=ANXA3 PE=1 SV=3  | 20  | 7  | 13  | 7  | 27,77  | 7  |
| Q14CN4  | Keratin, type II cytoskeletal 72 OS=Homo sapiens OX=9606 GN=KRT72 PE=1 SV=2  | 10  | 6  | 28  | 2  | 55,95  | 6  |
| Q92973  | Transportin-1 OS=Homo sapiens OX=9606 GN=TNPO1 PE=1 SV=2  | 9  | 7  | 12  | 7  | 24,91  | 7  |
| Q16881  | Thioredoxin reductase 1, cytoplasmic OS=Homo sapiens OX=9606 GN=TXNRD1 PE=1 SV=3  | 12  | 7  | 12  | 7  | 28,61  | 7  |
| P47897  | Glutamine--tRNA ligase OS=Homo sapiens OX=9606 GN=QARS PE=1 SV=1  | 10  | 7  | 10  | 7  | 24,84  | 7  |
| P63010  | AP-2 complex subunit beta OS=Homo sapiens OX=9606 GN=AP2B1 PE=1 SV=1  | 9  | 9  | 13  | 9  | 25,18  | 9  |
| P40939  | Trifunctional enzyme subunit alpha, mitochondrial OS=Homo sapiens OX=9606 GN=HADHA PE=1 SV=2  | 11  | 8  | 11  | 8  | 23,36  | 8  |
| Q8WXW3  | Progesterone-induced-blocking factor 1 OS=Homo sapiens OX=9606 GN=PIBF1 PE=1 SV=2  | 11  | 8  | 9  | 8  | 17,49  | 8  |
| Q06210  | Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1 OS=Homo sapiens OX=9606 GN=GFPT1 PE=1 SV=3  | 10  | 7  | 10  | 7  | 18,67  | 7  |
| Q9UDY2  | Tight junction protein ZO-2 OS=Homo sapiens OX=9606 GN=TJP2 PE=1 SV=2  | 8  | 8  | 10  | 8  | 18,9  | 8  |
| O95373  | Importin-7 OS=Homo sapiens OX=9606 GN=IPO7 PE=1 SV=1  | 6  | 5  | 8  | 5  | 22,19  | 5  |
| Q15046  | Lysine--tRNA ligase OS=Homo sapiens OX=9606 GN=KARS PE=1 SV=3  | 12  | 7  | 11  | 7  | 20,24  | 7  |
| P14649  | Myosin light chain 6B OS=Homo sapiens OX=9606 GN=MYL6B PE=1 SV=1  | 26  | 5  | 17  | 3  | 36,63  | 5  |

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| Q14240  | Eukaryotic initiation factor 4A-II OS=Homo sapiens OX=9606 GN=EIF4A2 PE=1 SV=2  | 18  | 7  | 10  | 1  | 23,89  | 7  |
| P27797  | Calreticulin OS=Homo sapiens OX=9606 GN=CALR PE=1 SV=1  | 15  | 4  | 5  | 4  | 15,99  | 4  |
| Q13310  | Polyadenylate-binding protein 4 OS=Homo sapiens OX=9606 GN=PABPC4 PE=1 SV=1  | 9  | 6  | 12  | 2  | 27,47  | 6  |
| O43143  | Pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15 OS=Homo sapiens OX=9606 GN=DHX15 PE=1 SV=2  | 9  | 7  | 10  | 7  | 14,09  | 7  |
| Q6PIU2  | Neutral cholesterol ester hydrolase 1 OS=Homo sapiens OX=9606 GN=NCEH1 PE=1 SV=3  | 17  | 6  | 9  | 6  | 17,47  | 6  |
| Q9Y5B9  | FACT complex subunit SPT16 OS=Homo sapiens OX=9606 GN=SUPT16H PE=1 SV=1  | 8  | 6  | 9  | 6  | 20,13  | 6  |
| O14980  | Exportin-1 OS=Homo sapiens OX=9606 GN=XPO1 PE=1 SV=1  | 8  | 9  | 13  | 9  | 21,94  | 9  |
| P31939  | Bifunctional purine biosynthesis protein PURH OS=Homo sapiens OX=9606 GN=ATIC PE=1 SV=3  | 11  | 5  | 6  | 5  | 18,23  | 5  |
| Q96QK1  | Vacuolar protein sorting-associated protein 35 OS=Homo sapiens OX=9606 GN=VPS35 PE=1 SV=2  | 8  | 6  | 9  | 6  | 24,58  | 6  |
| P14866  | Heterogeneous nuclear ribonucleoprotein L OS=Homo sapiens OX=9606 GN=HNRNPL PE=1 SV=2  | 12  | 5  | 10  | 5  | 21,84  | 5  |
| Q15181  | Inorganic pyrophosphatase OS=Homo sapiens OX=9606 GN=PPA1 PE=1 SV=2  | 22  | 5  | 9  | 5  | 18,68  | 5  |
| P34897  | Serine hydroxymethyltransferase, mitochondrial OS=Homo sapiens OX=9606 GN=SHMT2 PE=1 SV=3  | 14  | 7  | 7  | 7  | 14,85  | 7  |
| Q8NBS9  | Thioredoxin domain-containing protein 5 OS=Homo sapiens OX=9606 GN=TXNDC5 PE=1 SV=2  | 13  | 5  | 7  | 5  | 17,17  | 5  |
| P55084  | Trifunctional enzyme subunit beta, mitochondrial OS=Homo sapiens OX=9606 GN=HADHB PE=1 SV=3  | 11  | 5  | 8  | 5  | 21,18  | 5  |
| Q14694  | Ubiquitin carboxyl-terminal hydrolase 10 OS=Homo sapiens OX=9606 GN=USP10 PE=1 SV=2  | 8  | 5  | 8  | 5  | 18,98  | 5  |
| O00469  | Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2 OS=Homo sapiens OX=9606 GN=PLOD2 PE=1 SV=2  | 9  | 6  | 9  | 6  | 19,51  | 6  |
| Q9HAC8  | Ubiquitin domain-containing protein 1 OS=Homo sapiens OX=9606 GN=UBTD1 PE=1 SV=1  | 29  | 6  | 11  | 6  | 20,34  | 6  |

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| Q9BSJ8  | Extended synaptotagmin-1 OS=Homo sapiens OX=9606 GN=ESYT1 PE=1 SV=1  | 5  | 5  | 9  | 5  | 23,58  | 5  |
| P38919  | Eukaryotic initiation factor 4A-III OS=Homo sapiens OX=9606 GN=EIF4A3 PE=1 SV=4  | 18  | 8  | 14  | 7  | 31,8  | 8  |
| Q8IU81  | Interferon regulatory factor 2-binding protein 1 OS=Homo sapiens OX=9606 GN=IRF2BP1 PE=1 SV=1  | 12  | 5  | 8  | 5  | 18,48  | 5  |
| P42224  | Signal transducer and activator of transcription 1-alpha/beta OS=Homo sapiens OX=9606 GN=STAT1 PE=1 SV=2  | 10  | 7  | 9  | 7  | 19,77  | 7  |
| P30153  | Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform OS=Homo sapiens OX=9606 GN=PPP2R1A PE=1 SV=4  | 11  | 6  | 12  | 6  | 26,4  | 6  |
| Q14566  | DNA replication licensing factor MCM6 OS=Homo sapiens OX=9606 GN=MCM6 PE=1 SV=1  | 10  | 7  | 7  | 7  | 11,53  | 7  |
| P05362  | Intercellular adhesion molecule 1 OS=Homo sapiens OX=9606 GN=ICAM1 PE=1 SV=2  | 13  | 5  | 7  | 5  | 19,46  | 5  |
| P60228  | Eukaryotic translation initiation factor 3 subunit E OS=Homo sapiens OX=9606 GN=EIF3E PE=1 SV=1  | 14  | 6  | 8  | 6  | 16,08  | 6  |
| Q9Y230  | RuvB-like 2 OS=Homo sapiens OX=9606 GN=RUVBL2 PE=1 SV=3  | 14  | 5  | 7  | 5  | 12,35  | 5  |
| P33992  | DNA replication licensing factor MCM5 OS=Homo sapiens OX=9606 GN=MCM5 PE=1 SV=5  | 12  | 8  | 10  | 8  | 16,46  | 8  |
| Q8N1F7  | Nuclear pore complex protein Nup93 OS=Homo sapiens OX=9606 GN=NUP93 PE=1 SV=2  | 9  | 6  | 7  | 6  | 11,9  | 6  |
| Q92945  | Far upstream element-binding protein 2 OS=Homo sapiens OX=9606 GN=KHSRP PE=1 SV=4  | 8  | 4  | 6  | 3  | 17,32  | 4  |
| P36957  | Dihydrolipoyllysine-residue succinyltransferase component of 2oxoglutarate dehydrogenase complex, mitochondrial OS=Homo sapiens OX=9606 GN=DLST PE=1 SV=4  | 11  | 5  | 6  | 5  | 14,29  | 5  |
| Q9Y277  | Voltage-dependent anion-selective channel protein 3 OS=Homo sapiens OX=9606 GN=VDAC3 PE=1 SV=1  | 19  | 4  | 10  | 3  | 26,27  | 4  |
| Q969V6  | MKL/myocardin-like protein 1 OS=Homo sapiens OX=9606 GN=MKL1 PE=1 SV=1  | 6  | 4  | 6  | 4  | 17,76  | 4  |
| O75717  | WD repeat and HMG-box DNA-binding protein 1 OS=Homo sapiens OX=9606 GN=WDHD1 PE=1 SV=1  | 6  | 6  | 9  | 6  | 16,83  | 6  |

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| Q12797  | Aspartyl/asparaginyl beta-hydroxylase OS=Homo sapiens OX=9606 GN=ASPH PE=1 SV=3  | 8  | 6  | 7  | 6  | 9,01  | 6  |
| Q9H3U1  | Protein unc-45 homolog A OS=Homo sapiens OX=9606 GN=UNC45A PE=1 SV=1  | 6  | 5  | 7  | 5  | 14,39  | 5  |
| O00303  | Eukaryotic translation initiation factor 3 subunit F OS=Homo sapiens OX=9606 GN=EIF3F PE=1 SV=1  | 15  | 4  | 6  | 4  | 17,5  | 4  |
| P51636  | Caveolin-2 OS=Homo sapiens OX=9606 GN=CAV2 PE=1 SV=2  | 21  | 2  | 4  | 2  | 12,36  | 2  |
| P15121  | Aldose reductase OS=Homo sapiens OX=9606 GN=AKR1B1 PE=1 SV=3  | 15  | 5  | 7  | 5  | 15,47  | 5  |
| Q58FG1  | Putative heat shock protein HSP 90-alpha A4 OS=Homo sapiens OX=9606 GN=HSP90AA4P PE=5 SV=1  | 7  | 3  | 18  | 1  | 51,14  | 3  |
| Q13435  | Splicing factor 3B subunit 2 OS=Homo sapiens OX=9606 GN=SF3B2 PE=1 SV=2  | 7  | 6  | 8  | 6  | 20,06  | 6  |
| P78347  | General transcription factor II-I OS=Homo sapiens OX=9606 GN=GTF2I PE=1 SV=2  | 7  | 6  | 9  | 6  | 19,22  | 6  |
| Q92598  | Heat shock protein 105 kDa OS=Homo sapiens OX=9606 GN=HSPH1 PE=1 SV=1  | 6  | 4  | 7  | 3  | 17,58  | 4  |
| P55010  | Eukaryotic translation initiation factor 5 OS=Homo sapiens OX=9606 GN=EIF5 PE=1 SV=2  | 16  | 6  | 8  | 6  | 10,14  | 6  |
| P31930  | Cytochrome b-c1 complex subunit 1, mitochondrial OS=Homo sapiens OX=9606 GN=UQCRC1 PE=1 SV=3  | 11  | 4  | 6  | 4  | 15,77  | 4  |
| P00533  | Epidermal growth factor receptor OS=Homo sapiens OX=9606 GN=EGFR PE=1 SV=2  | 5  | 6  | 7  | 6  | 9,05  | 6  |
| P54136  | Arginine--tRNA ligase, cytoplasmic OS=Homo sapiens OX=9606 GN=RARS PE=1 SV=2  | 7  | 4  | 7  | 4  | 18,21  | 4  |
| P52292  | Importin subunit alpha-1 OS=Homo sapiens OX=9606 GN=KPNA2 PE=1 SV=1  | 10  | 5  | 5  | 5  | 10,17  | 5  |
| Q13501  | Sequestosome-1 OS=Homo sapiens OX=9606 GN=SQSTM1 PE=1 SV=1  | 8  | 2  | 3  | 2  | 14,07  | 2  |
| Q04917  | 14-3-3 protein eta OS=Homo sapiens OX=9606 GN=YWHAH PE=1 SV=4  | 15  | 4  | 10  | 1  | 18,82  | 4  |
| P17858  | ATP-dependent 6-phosphofructokinase, liver type OS=Homo sapiens OX=9606 GN=PFKL PE=1 SV=6  | 6  | 4  | 5  | 2  | 12,55  | 4  |

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| Q03001  | Dystonin OS=Homo sapiens OX=9606 GN=DST PE=1 SV=4  | 1  | 7  | 10  | 6  | 10,66  | 7  |
| P16189  | HLA class I histocompatibility antigen, A-31 alpha chain OS=Homo sapiens OX=9606 GN=HLA-A PE=1 SV=2  | 15  | 4  | 7  | 2  | 23,45  | 4  |
| P35998  | 26S proteasome regulatory subunit 7 OS=Homo sapiens OX=9606 GN=PSMC2 PE=1 SV=3  | 12  | 5  | 7  | 5  | 14,59  | 5  |
| P49915  | GMP synthase [glutamine-hydrolyzing] OS=Homo sapiens OX=9606 GN=GMPS PE=1 SV=1  | 6  | 4  | 5  | 4  | 11,17  | 4  |
| Q9Y265  | RuvB-like 1 OS=Homo sapiens OX=9606 GN=RUVBL1 PE=1 SV=1  | 10  | 4  | 7  | 4  | 18,53  | 4  |
| Q09028  | Histone-binding protein RBBP4 OS=Homo sapiens OX=9606 GN=RBBP4 PE=1 SV=3  | 17  | 5  | 7  | 5  | 9,17  | 5  |
| P28838  | Cytosol aminopeptidase OS=Homo sapiens OX=9606 GN=LAP3 PE=1 SV=3  | 9  | 4  | 6  | 4  | 13,3  | 4  |
| Q9Y2S7  | Polymerase delta-interacting protein 2 OS=Homo sapiens OX=9606 GN=POLDIP2 PE=1 SV=1  | 13  | 4  | 7  | 4  | 13,97  | 4  |
| Q96SB4  | SRSF protein kinase 1 OS=Homo sapiens OX=9606 GN=SRPK1 PE=1 SV=2  | 7  | 4  | 6  | 4  | 16,73  | 4  |
| P55209  | Nucleosome assembly protein 1-like 1 OS=Homo sapiens OX=9606 GN=NAP1L1 PE=1 SV=1  | 10  | 3  | 5  | 3  | 12,22  | 3  |
| P04179  | Superoxide dismutase [Mn], mitochondrial OS=Homo sapiens OX=9606 GN=SOD2 PE=1 SV=3  | 17  | 3  | 6  | 3  | 15,8  | 3  |
| Q07065  | Cytoskeleton-associated protein 4 OS=Homo sapiens OX=9606 GN=CKAP4 PE=1 SV=2  | 7  | 4  | 4  | 4  | 6,97  | 4  |
| P18085  | ADP-ribosylation factor 4 OS=Homo sapiens OX=9606 GN=ARF4 PE=1 SV=3  | 20  | 4  | 7  | 3  | 14,19  | 4  |
| Q99460  | 26S proteasome non-ATPase regulatory subunit 1 OS=Homo sapiens OX=9606 GN=PSMD1 PE=1 SV=2  | 6  | 5  | 8  | 5  | 15  | 5  |
| P28838  | Cytosol aminopeptidase OS=Homo sapiens OX=9606 GN=LAP3 PE=1 SV=3  | 12  | 5  | 6  | 5  | 7,68  | 5  |
| P04439  | HLA class I histocompatibility antigen, A-3 alpha chain OS=Homo sapiens OX=9606 GN=HLA-A PE=1 SV=2  | 12  | 3  | 7  | 1  | 24,68  | 3  |
| P49848  | Transcription initiation factor TFIID subunit 6 OS=Homo sapiens OX=9606 GN=TAF6 PE=1 SV=1  | 5  | 3  | 5  | 3  | 13,33  | 3  |

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| Q7Z3Y8  | Keratin, type I cytoskeletal 27 OS=Homo sapiens OX=9606 GN=KRT27 PE=1 SV=2  | 7  | 3  | 47  | 1  | 82,25  | 3  |
| P26006  | Integrin alpha-3 OS=Homo sapiens OX=9606 GN=ITGA3 PE=1 SV=5  | 6  | 6  | 8  | 6  | 17,56  | 6  |
| P22234  | Multifunctional protein ADE2 OS=Homo sapiens OX=9606 GN=PAICS PE=1 SV=3  | 8  | 3  | 4  | 3  | 9,56  | 3  |
| P51114  | Fragile X mental retardation syndrome-related protein 1 OS=Homo sapiens OX=9606 GN=FXR1 PE=1 SV=3  | 8  | 4  | 6  | 3  | 11,85  | 4  |
| P40763  | Signal transducer and activator of transcription 3 OS=Homo sapiens OX=9606 GN=STAT3 PE=1 SV=2  | 6  | 4  | 5  | 4  | 4,38  | 4  |
| Q13347  | Eukaryotic translation initiation factor 3 subunit I OS=Homo sapiens OX=9606 GN=EIF3I PE=1 SV=1  | 12  | 4  | 6  | 4  | 13,67  | 4  |
| Q9NSD9  | Phenylalanine--tRNA ligase beta subunit OS=Homo sapiens OX=9606 GN=FARSB PE=1 SV=3  | 7  | 4  | 6  | 4  | 11,92  | 4  |
| P54577  | Tyrosine--tRNA ligase, cytoplasmic OS=Homo sapiens OX=9606 GN=YARS PE=1 SV=4  | 12  | 5  | 6  | 5  | 13,53  | 5  |
| Q96RT1  | Erbin OS=Homo sapiens OX=9606 GN=ERBIN PE=1 SV=2  | 4  | 6  | 8  | 6  | 7,19  | 6  |
| P35637  | RNA-binding protein FUS OS=Homo sapiens OX=9606 GN=FUS PE=1 SV=1  | 9  | 3  | 7  | 1  | 16,42  | 3  |
| P27695  | DNA-(apurinic or apyrimidinic site) lyase OS=Homo sapiens OX=9606 GN=APEX1 PE=1 SV=2  | 9  | 2  | 2  | 2  | 6,69  | 2  |
| P37802  | Transgelin-2 OS=Homo sapiens OX=9606 GN=TAGLN2 PE=1 SV=3  | 24  | 5  | 7  | 5  | 15,46  | 5  |
| P16152  | Carbonyl reductase [NADPH] 1 OS=Homo sapiens OX=9606 GN=CBR1 PE=1 SV=3  | 16  | 3  | 4  | 3  | 6,39  | 3  |
| O75533  | Splicing factor 3B subunit 1 OS=Homo sapiens OX=9606 GN=SF3B1 PE=1 SV=3  | 2  | 3  | 6  | 3  | 18,38  | 3  |
| Q15019  | Septin-2 OS=Homo sapiens OX=9606 GN=SEPT2 PE=1 SV=1  | 13  | 4  | 6  | 4  | 7,17  | 4  |
| P53618  | Coatomer subunit beta OS=Homo sapiens OX=9606 GN=COPB1 PE=1 SV=3  | 7  | 5  | 6  | 5  | 13,53  | 5  |
| P43243  | Matrin-3 OS=Homo sapiens OX=9606 GN=MATR3 PE=1 SV=2  | 4  | 3  | 4  | 3  | 10,91  | 3  |
| P27694  | Replication protein A 70 kDa DNA-binding subunit OS=Homo sapiens OX=9606 GN=RPA1 PE=1 SV=2  | 7  | 5  | 8  | 5  | 10,14  | 5  |
| P16070  | CD44 antigen OS=Homo sapiens OX=9606 GN=CD44 PE=1 SV=3  | 4  | 3  | 5  | 3  | 12,57  | 3  |

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| P36776  | Lon protease homolog, mitochondrial OS=Homo sapiens OX=9606 GN=LONP1 PE=1 SV=2  | 5  | 4  | 4  | 4  | 5,07  | 4  |
| Q92688  | Acidic leucine-rich nuclear phosphoprotein 32 family member B OS=Homo sapiens OX=9606 GN=ANP32B PE=1 SV=1  | 14  | 3  | 4  | 2  | 6,97  | 3  |
| Q99459  | Cell division cycle 5-like protein OS=Homo sapiens OX=9606 GN=CDC5L PE=1 SV=2  | 5  | 4  | 4  | 4  | 8,28  | 4  |
| P46782  | 40S ribosomal protein S5 OS=Homo sapiens OX=9606 GN=RPS5 PE=1 SV=4  | 15  | 4  | 6  | 4  | 14,78  | 4  |
| Q8WVM8  | Sec1 family domain-containing protein 1 OS=Homo sapiens OX=9606 GN=SCFD1 PE=1 SV=4  | 7  | 4  | 5  | 4  | 10,87  | 4  |
| Q7L576  | Cytoplasmic FMR1-interacting protein 1 OS=Homo sapiens OX=9606 GN=CYFIP1 PE=1 SV=1  | 4  | 4  | 4  | 4  | 9,85  | 4  |
| Q9NSE4  | Isoleucine--tRNA ligase, mitochondrial OS=Homo sapiens OX=9606 GN=IARS2 PE=1 SV=2  | 5  | 4  | 5  | 4  | 11,9  | 4  |
| P29317  | Ephrin type-A receptor 2 OS=Homo sapiens OX=9606 GN=EPHA2 PE=1 SV=2  | 5  | 4  | 4  | 4  | 8,43  | 4  |
| Q96P70  | Importin-9 OS=Homo sapiens OX=9606 GN=IPO9 PE=1 SV=3  | 4  | 4  | 6  | 4  | 9,98  | 4  |
| P36873  | Serine/threonine-protein phosphatase PP1-gamma catalytic subunit OS=Homo sapiens OX=9606 GN=PPP1CC PE=1 SV=1  | 14  | 4  | 5  | 1  | 5,86  | 4  |
| P50454  | Serpin H1 OS=Homo sapiens OX=9606 GN=SERPINH1 PE=1 SV=2  | 11  | 4  | 5  | 4  | 8,45  | 4  |
| Q32MZ4  | Leucine-rich repeat flightless-interacting protein 1 OS=Homo sapiens OX=9606 GN=LRRFIP1 PE=1 SV=2  | 5  | 3  | 4  | 3  | 7,71  | 3  |
| P33991  | DNA replication licensing factor MCM4 OS=Homo sapiens OX=9606 GN=MCM4 PE=1 SV=5  | 4  | 3  | 4  | 3  | 10,98  | 3  |
| P11387  | DNA topoisomerase 1 OS=Homo sapiens OX=9606 GN=TOP1 PE=1 SV=2  | 5  | 4  | 5  | 4  | 10,84  | 4  |
| P61353  | 60S ribosomal protein L27 OS=Homo sapiens OX=9606 GN=RPL27 PE=1 SV=2  | 36  | 4  | 6  | 4  | 11,05  | 4  |
| P52565  | Rho GDP-dissociation inhibitor 1 OS=Homo sapiens OX=9606 GN=ARHGDIA PE=1 SV=3  | 16  | 3  | 4  | 3  | 11  | 3  |
| Q7L1Q6  | Basic leucine zipper and W2 domain-containing protein 1 OS=Homo sapiens OX=9606 GN=BZW1 PE=1 SV=1  | 10  | 5  | 9  | 4  | 14,45  | 5  |

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| P62750  | 60S ribosomal protein L23a OS=Homo sapiens OX=9606 GN=RPL23A PE=1 SV=1  | 28  | 4  | 6  | 4  | 12,08  | 4  |
| Q13263  | Transcription intermediary factor 1-beta OS=Homo sapiens OX=9606 GN=TRIM28 PE=1 SV=5  | 5  | 4  | 9  | 4  | 15,69  | 4  |
| P55263  | Adenosine kinase OS=Homo sapiens OX=9606 GN=ADK PE=1 SV=2  | 12  | 4  | 6  | 4  | 11,02  | 4  |
| Q9Y617  | Phosphoserine aminotransferase OS=Homo sapiens OX=9606 GN=PSAT1 PE=1 SV=2  | 11  | 4  | 7  | 4  | 13,63  | 4  |
| P05455  | Lupus La protein OS=Homo sapiens OX=9606 GN=SSB PE=1 SV=2  | 7  | 3  | 4  | 3  | 8,51  | 3  |
| P09429  | High mobility group protein B1 OS=Homo sapiens OX=9606 GN=HMGB1 PE=1 SV=3  | 22  | 3  | 3  | 3  | 8,86  | 3  |
| Q96G23  | Ceramide synthase 2 OS=Homo sapiens OX=9606 GN=CERS2 PE=1 SV=1  | 8  | 2  | 3  | 2  | 6,27  | 2  |
| Q96HE7  | ERO1-like protein alpha OS=Homo sapiens OX=9606 GN=ERO1A PE=1 SV=2  | 7  | 3  | 4  | 3  | 9,94  | 3  |
| P17301  | Integrin alpha-2 OS=Homo sapiens OX=9606 GN=ITGA2 PE=1 SV=1  | 4  | 5  | 7  | 5  | 12,67  | 5  |
| O14979  | Heterogeneous nuclear ribonucleoprotein D-like OS=Homo sapiens OX=9606 GN=HNRNPDL PE=1 SV=3  | 8  | 3  | 5  | 2  | 12,62  | 3  |
| P04632  | Calpain small subunit 1 OS=Homo sapiens OX=9606 GN=CAPNS1 PE=1 SV=1  | 13  | 4  | 7  | 4  | 11,9  | 4  |
| Q9UHB9  | Signal recognition particle subunit SRP68 OS=Homo sapiens OX=9606 GN=SRP68 PE=1 SV=2  | 7  | 4  | 6  | 4  | 12,84  | 4  |
| O75665  | Oral-facial-digital syndrome 1 protein OS=Homo sapiens OX=9606 GN=OFD1 PE=1 SV=1  | 4  | 3  | 3  | 3  | 4,14  | 3  |
| O75694  | Nuclear pore complex protein Nup155 OS=Homo sapiens OX=9606 GN=NUP155 PE=1 SV=1  | 2  | 3  | 3  | 3  | 4,57  | 3  |
| O14744  | Protein arginine N-methyltransferase 5 OS=Homo sapiens OX=9606 GN=PRMT5 PE=1 SV=4  | 5  | 3  | 5  | 3  | 11,54  | 3  |
| Q9H223  | EH domain-containing protein 4 OS=Homo sapiens OX=9606 GN=EHD4 PE=1 SV=1  | 6  | 3  | 4  | 3  | 9,69  | 3  |
| P22531  | Small proline-rich protein 2E OS=Homo sapiens OX=9606 GN=SPRR2E PE=2 SV=2  | 61  | 3  | 10  | 3  | 24,76  | 3  |
| P46977  | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A OS=Homo sapiens OX=9606 GN=STT3A PE=1 SV=2  | 5  | 3  | 5  | 3  | 9,27  | 3  |

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| P42166  | Lamina-associated polypeptide 2, isoform alpha OS=Homo sapiens OX=9606 GN=TMPO PE=1 SV=2  | 6  | 3  | 3  | 3  | 7,1  | 3  |
| Q9NYF8  | Bcl-2-associated transcription factor 1 OS=Homo sapiens OX=9606 GN=BCLAF1 PE=1 SV=2  | 5  | 4  | 6  | 4  | 9,75  | 4  |
| Q00341  | Vigilin OS=Homo sapiens OX=9606 GN=HDLBP PE=1 SV=2  | 4  | 4  | 6  | 4  | 11,64  | 4  |
| Q9NVI7  | ATPase family AAA domain-containing protein 3A OS=Homo sapiens OX=9606 GN=ATAD3A PE=1 SV=2  | 7  | 5  | 7  | 5  | 12,78  | 5  |
| P50570  | Dynamin-2 OS=Homo sapiens OX=9606 GN=DNM2 PE=1 SV=2  | 5  | 4  | 5  | 4  | 8,64  | 4  |
| P52732  | Kinesin-like protein KIF11 OS=Homo sapiens OX=9606 GN=KIF11 PE=1 SV=2  | 4  | 3  | 3  | 3  | 7,97  | 3  |
| Q14157  | Ubiquitin-associated protein 2-like OS=Homo sapiens OX=9606 GN=UBAP2L PE=1 SV=2  | 3  | 2  | 3  | 2  | 9,33  | 2  |
| O76003  | Glutaredoxin-3 OS=Homo sapiens OX=9606 GN=GLRX3 PE=1 SV=2  | 13  | 4  | 5  | 4  | 9,35  | 4  |
| P04844  | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2 OS=Homo sapiens OX=9606 GN=RPN2 PE=1 SV=3  | 5  | 3  | 5  | 3  | 8,24  | 3  |
| P46777  | 60S ribosomal protein L5 OS=Homo sapiens OX=9606 GN=RPL5 PE=1 SV=3  | 8  | 2  | 3  | 2  | 5,71  | 2  |
| Q02543  | 60S ribosomal protein L18a OS=Homo sapiens OX=9606 GN=RPL18A PE=1 SV=2  | 17  | 3  | 3  | 3  | 7,26  | 3  |
| Q08945  | FACT complex subunit SSRP1 OS=Homo sapiens OX=9606 GN=SSRP1 PE=1 SV=1  | 4  | 3  | 4  | 3  | 6,91  | 3  |
| P35659  | Protein DEK OS=Homo sapiens OX=9606 GN=DEK PE=1 SV=1  | 9  | 3  | 3  | 3  | 4,97  | 3  |
| Q13247  | Serine/arginine-rich splicing factor 6 OS=Homo sapiens OX=9606 GN=SRSF6 PE=1 SV=2  | 9  | 3  | 5  | 3  | 12,26  | 3  |
| P30040  | Endoplasmic reticulum resident protein 29 OS=Homo sapiens OX=9606 GN=ERP29 PE=1 SV=4  | 14  | 3  | 4  | 3  | 8,45  | 3  |
| Q9BYT8  | Neurolysin, mitochondrial OS=Homo sapiens OX=9606 GN=NLN PE=1 SV=1  | 4  | 3  | 4  | 3  | 4,7  | 3  |
| Q9UMS4  | Pre-mRNA-processing factor 19 OS=Homo sapiens OX=9606 GN=PRPF19 PE=1 SV=1  | 7  | 3  | 4  | 3  | 8,59  | 3  |
| P36871  | Phosphoglucomutase-1 OS=Homo sapiens OX=9606 GN=PGM1 PE=1 SV=3  | 6  | 3  | 3  | 3  | 4,98  | 3  |

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| P49321  | Nuclear autoantigenic sperm protein OS=Homo sapiens OX=9606 GN=NASP PE=1 SV=2  | 4  | 3  | 4  | 3  | 9,53  | 3  |
| P23381  | Tryptophan--tRNA ligase, cytoplasmic OS=Homo sapiens OX=9606 GN=WARS PE=1 SV=2  | 6  | 2  | 2  | 2  | 5,22  | 2  |
| P46060  | Ran GTPase-activating protein 1 OS=Homo sapiens OX=9606 GN=RANGAP1 PE=1 SV=1  | 4  | 2  | 3  | 2  | 8,35  | 2  |
| Q15645  | Pachytene checkpoint protein 2 homolog OS=Homo sapiens OX=9606 GN=TRIP13 PE=1 SV=2  | 5  | 2  | 3  | 2  | 8,2  | 2  |
| P51116  | Fragile X mental retardation syndrome-related protein 2 OS=Homo sapiens OX=9606 GN=FXR2 PE=1 SV=2  | 4  | 2  | 3  | 1  | 3,15  | 2  |
| O15371  | Eukaryotic translation initiation factor 3 subunit D OS=Homo sapiens OX=9606 GN=EIF3D PE=1 SV=1  | 6  | 4  | 5  | 4  | 7,59  | 4  |
| Q9UG63  | ATP-binding cassette sub-family F member 2 OS=Homo sapiens OX=9606 GN=ABCF2 PE=1 SV=2  | 5  | 3  | 3  | 3  | 6,81  | 3  |
| Q92900  | Regulator of nonsense transcripts 1 OS=Homo sapiens OX=9606 GN=UPF1 PE=1 SV=2  | 4  | 4  | 6  | 4  | 6,64  | 4  |
| Q14126  | Desmoglein-2 OS=Homo sapiens OX=9606 GN=DSG2 PE=1 SV=2  | 3  | 2  | 4  | 2  | 10,59  | 2  |
| Q9BY44  | Eukaryotic translation initiation factor 2A OS=Homo sapiens OX=9606 GN=EIF2A PE=1 SV=3  | 6  | 3  | 3  | 3  | 7,25  | 3  |
| O60749  | Sorting nexin-2 OS=Homo sapiens OX=9606 GN=SNX2 PE=1 SV=2  | 5  | 2  | 2  | 2  | 5,01  | 2  |
| O15355  | Protein phosphatase 1G OS=Homo sapiens OX=9606 GN=PPM1G PE=1 SV=1  | 4  | 2  | 2  | 2  | 2,92  | 2  |
| O95714  | E3 ubiquitin-protein ligase HERC2 OS=Homo sapiens OX=9606 GN=HERC2 PE=1 SV=2  | 1  | 3  | 4  | 3  | 5,58  | 3  |
| Q99623  | Prohibitin-2 OS=Homo sapiens OX=9606 GN=PHB2 PE=1 SV=2  | 13  | 4  | 5  | 4  | 9,22  | 4  |
| Q9UQE7  | Structural maintenance of chromosomes protein 3 OS=Homo sapiens OX=9606 GN=SMC3 PE=1 SV=2  | 2  | 2  | 3  | 2  | 4,96  | 2  |
| P07858  | Cathepsin B OS=Homo sapiens OX=9606 GN=CTSB PE=1 SV=3  | 10  | 3  | 3  | 3  | 6,08  | 3  |
| P46063  | ATP-dependent DNA helicase Q1 OS=Homo sapiens OX=9606 GN=RECQL PE=1 SV=3  | 5  | 3  | 5  | 3  | 12,1  | 3  |
| P21108  | Ribose-phosphate pyrophosphokinase 3 OS=Homo sapiens OX=9606 GN=PRPS1L1 PE=1 SV=2  | 8  | 2  | 4  | 2  | 9,78  | 2  |

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| Q15436  | Protein transport protein Sec23A OS=Homo sapiens OX=9606 GN=SEC23A PE=1 SV=2  | 3  | 2  | 3  | 2  | 6,86  | 2  |
| P30419  | Glycylpeptide N-tetradecanoyltransferase 1 OS=Homo sapiens OX=9606 GN=NMT1 PE=1 SV=2  | 6  | 3  | 5  | 3  | 7,32  | 3  |
| P17174  | Aspartate aminotransferase, cytoplasmic OS=Homo sapiens OX=9606 GN=GOT1 PE=1 SV=3  | 9  | 3  | 4  | 3  | 7,6  | 3  |
| P08195  | 4F2 cell-surface antigen heavy chain OS=Homo sapiens OX=9606 GN=SLC3A2 PE=1 SV=3  | 5  | 3  | 4  | 3  | 9,29  | 3  |
| P63241  | Eukaryotic translation initiation factor 5A-1 OS=Homo sapiens OX=9606 GN=EIF5A PE=1 SV=2  | 16  | 2  | 3  | 2  | 7,7  | 2  |
| P62888  | 60S ribosomal protein L30 OS=Homo sapiens OX=9606 GN=RPL30 PE=1 SV=2  | 24  | 2  | 2  | 2  | 6,23  | 2  |
| Q15459  | Splicing factor 3A subunit 1 OS=Homo sapiens OX=9606 GN=SF3A1 PE=1 SV=1  | 6  | 3  | 3  | 3  | 4,21  | 3  |
| P12004  | Proliferating cell nuclear antigen OS=Homo sapiens OX=9606 GN=PCNA PE=1 SV=1  | 8  | 2  | 3  | 2  | 7,24  | 2  |
| Q02241  | Kinesin-like protein KIF23 OS=Homo sapiens OX=9606 GN=KIF23 PE=1 SV=3  | 3  | 2  | 2  | 2  | 5,12  | 2  |
| Q15185  | Prostaglandin E synthase 3 OS=Homo sapiens OX=9606 GN=PTGES3 PE=1 SV=1  | 19  | 2  | 3  | 2  | 5,34  | 2  |
| O00232  | 26S proteasome non-ATPase regulatory subunit 12 OS=Homo sapiens OX=9606 GN=PSMD12 PE=1 SV=3  | 5  | 2  | 3  | 2  | 6,76  | 2  |
| Q13617  | Cullin-2 OS=Homo sapiens OX=9606 GN=CUL2 PE=1 SV=2  | 4  | 4  | 5  | 3  | 7,82  | 4  |
| Q07955  | Serine/arginine-rich splicing factor 1 OS=Homo sapiens OX=9606 GN=SRSF1 PE=1 SV=2  | 12  | 3  | 3  | 3  | 5,51  | 3  |
| Q16543  | Hsp90 co-chaperone Cdc37 OS=Homo sapiens OX=9606 GN=CDC37 PE=1 SV=1  | 7  | 2  | 4  | 2  | 10,9  | 2  |
| Q96AE4  | Far upstream element-binding protein 1 OS=Homo sapiens OX=9606 GN=FUBP1 PE=1 SV=3  | 5  | 3  | 4  | 2  | 7,58  | 3  |
| Q15691  | Microtubule-associated protein RP/EB family member 1 OS=Homo sapiens OX=9606 GN=MAPRE1 PE=1 SV=3  | 10  | 2  | 3  | 2  | 7,08  | 2  |
| O43747  | AP-1 complex subunit gamma-1 OS=Homo sapiens OX=9606 GN=AP1G1 PE=1 SV=5  | 4  | 3  | 4  | 3  | 6,5  | 3  |

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| P35613  | Basigin OS=Homo sapiens OX=9606 GN=BSG PE=1 SV=2  | 5  | 1  | 2  | 1  | 7,07  | 1  |
| Q92499  | ATP-dependent RNA helicase DDX1 OS=Homo sapiens OX=9606 GN=DDX1 PE=1 SV=2  | 3  | 2  | 4  | 2  | 9,79  | 2  |
| P54578  | Ubiquitin carboxyl-terminal hydrolase 14 OS=Homo sapiens OX=9606 GN=USP14 PE=1 SV=3  | 6  | 3  | 4  | 3  | 6,17  | 3  |
| Q96FW1  | Ubiquitin thioesterase OTUB1 OS=Homo sapiens OX=9606 GN=OTUB1 PE=1 SV=2  | 13  | 3  | 3  | 3  | 6,54  | 3  |
| P46781  | 40S ribosomal protein S9 OS=Homo sapiens OX=9606 GN=RPS9 PE=1 SV=3  | 18  | 4  | 7  | 4  | 12,47  | 4  |
| O95433  | Activator of 90 kDa heat shock protein ATPase homolog 1 OS=Homo sapiens OX=9606 GN=AHSA1 PE=1 SV=1  | 7  | 2  | 3  | 2  | 7,43  | 2  |
| Q9NR12  | PDZ and LIM domain protein 7 OS=Homo sapiens OX=9606 GN=PDLIM7 PE=1 SV=1  | 7  | 3  | 3  | 3  | 4,71  | 3  |
| P49756  | RNA-binding protein 25 OS=Homo sapiens OX=9606 GN=RBM25 PE=1 SV=3  | 2  | 1  | 2  | 1  | 6,78  | 1  |
| O75153  | Clustered mitochondria protein homolog OS=Homo sapiens OX=9606 GN=CLUH PE=1 SV=2  | 2  | 2  | 3  | 2  | 5,51  | 2  |
| P62495  | Eukaryotic peptide chain release factor subunit 1 OS=Homo sapiens OX=9606 GN=ETF1 PE=1 SV=3  | 7  | 3  | 5  | 3  | 7,34  | 3  |
| O43684  | Mitotic checkpoint protein BUB3 OS=Homo sapiens OX=9606 GN=BUB3 PE=1 SV=1  | 6  | 2  | 2  | 2  | 5,08  | 2  |
| Q9NR30  | Nucleolar RNA helicase 2 OS=Homo sapiens OX=9606 GN=DDX21 PE=1 SV=5  | 5  | 3  | 4  | 3  | 9,57  | 3  |
| Q8N684  | Cleavage and polyadenylation specificity factor subunit 7 OS=Homo sapiens OX=9606 GN=CPSF7 PE=1 SV=1  | 6  | 3  | 4  | 3  | 5,89  | 3  |
| A5YKK6  | CCR4-NOT transcription complex subunit 1 OS=Homo sapiens OX=9606 GN=CNOT1 PE=1 SV=2  | 2  | 4  | 5  | 4  | 8,39  | 4  |
| Q7RTP6  | [F-actin]-monooxygenase MICAL3 OS=Homo sapiens OX=9606 GN=MICAL3 PE=1 SV=2  | 1  | 2  | 2  | 2  | 4,44  | 2  |
| P10620  | Microsomal glutathione S-transferase 1 OS=Homo sapiens OX=9606 GN=MGST1 PE=1 SV=1  | 19  | 2  | 3  | 2  | 8,29  | 2  |
| Q9P035  | Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3 OS=Homo sapiens OX=9606 GN=HACD3 PE=1 SV=2  | 7  | 2  | 2  | 2  | 6,43  | 2  |

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| Q92769  | Histone deacetylase 2 OS=Homo sapiens OX=9606 GN=HDAC2 PE=1 SV=2  | 6  | 3  | 6  | 3  | 10,24  | 3  |
| Q9BTT0  | Acidic leucine-rich nuclear phosphoprotein 32 family member E OS=Homo sapiens OX=9606 GN=ANP32E PE=1 SV=1  | 5  | 2  | 3  | 2  | 8,06  | 2  |
| Q01105  | Protein SET OS=Homo sapiens OX=9606 GN=SET PE=1 SV=3  | 8  | 2  | 3  | 2  | 8,62  | 2  |
| O60524  | Nuclear export mediator factor NEMF OS=Homo sapiens OX=9606 GN=NEMF PE=1 SV=4  | 3  | 3  | 3  | 3  | 5,45  | 3  |
| P33993  | DNA replication licensing factor MCM7 OS=Homo sapiens OX=9606 GN=MCM7 PE=1 SV=4  | 4  | 3  | 5  | 3  | 10,78  | 3  |
| P61313  | 60S ribosomal protein L15 OS=Homo sapiens OX=9606 GN=RPL15 PE=1 SV=2  | 16  | 3  | 6  | 3  | 8,11  | 3  |
| P62424  | 60S ribosomal protein L7a OS=Homo sapiens OX=9606 GN=RPL7A PE=1 SV=2  | 9  | 2  | 3  | 2  | 7,84  | 2  |
| O43491  | Band 4.1-like protein 2 OS=Homo sapiens OX=9606 GN=EPB41L2 PE=1 SV=1  | 2  | 2  | 2  | 2  | 5,38  | 2  |
| P50502  | Hsc70-interacting protein OS=Homo sapiens OX=9606 GN=ST13 PE=1 SV=2  | 6  | 2  | 3  | 2  | 7,1  | 2  |
| Q9P0L0  | Vesicle-associated membrane protein-associated protein A OS=Homo sapiens OX=9606 GN=VAPA PE=1 SV=3  | 11  | 2  | 3  | 2  | 6,73  | 2  |
| O95817  | BAG family molecular chaperone regulator 3 OS=Homo sapiens OX=9606 GN=BAG3 PE=1 SV=3  | 4  | 2  | 2  | 2  | 2,74  | 2  |
| P02794  | Ferritin heavy chain OS=Homo sapiens OX=9606 GN=FTH1 PE=1 SV=2  | 17  | 3  | 4  | 3  | 0  | 3  |
| P63000  | Ras-related C3 botulinum toxin substrate 1 OS=Homo sapiens OX=9606 GN=RAC1 PE=1 SV=1  | 13  | 2  | 2  | 2  | 4,71  | 2  |
| P62333  | 26S proteasome regulatory subunit 10B OS=Homo sapiens OX=9606 GN=PSMC6 PE=1 SV=1  | 6  | 2  | 2  | 2  | 5,07  | 2  |
| Q15717  | ELAV-like protein 1 OS=Homo sapiens OX=9606 GN=ELAVL1 PE=1 SV=2  | 6  | 2  | 3  | 2  | 5,02  | 2  |
| Q5JTV8  | Torsin-1A-interacting protein 1 OS=Homo sapiens OX=9606 GN=TOR1AIP1 PE=1 SV=2  | 4  | 2  | 3  | 2  | 7,78  | 2  |
| Q9Y2W1  | Thyroid hormone receptor-associated protein 3 OS=Homo sapiens OX=9606 GN=THRAP3 PE=1 SV=2  | 2  | 2  | 3  | 2  | 7,86  | 2  |

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| P42285  | Exosome RNA helicase MTR4 OS=Homo sapiens OX=9606 GN=MTREX PE=1 SV=3  | 3  | 3  | 3  | 3  | 6,6  | 3  |
| O95347  | Structural maintenance of chromosomes protein 2 OS=Homo sapiens OX=9606 GN=SMC2 PE=1 SV=2  | 2  | 2  | 2  | 2  | 2,05  | 2  |
| Q9Y3I0  | tRNA-splicing ligase RtcB homolog OS=Homo sapiens OX=9606 GN=RTCB PE=1 SV=1  | 6  | 3  | 3  | 3  | 3,99  | 3  |
| Q9UHD8  | Septin-9 OS=Homo sapiens OX=9606 GN=SEPT9 PE=1 SV=2  | 7  | 3  | 4  | 3  | 6,41  | 3  |
| Q99829  | Copine-1 OS=Homo sapiens OX=9606 GN=CPNE1 PE=1 SV=1  | 5  | 3  | 4  | 3  | 4,33  | 3  |
| P55036  | 26S proteasome non-ATPase regulatory subunit 4 OS=Homo sapiens OX=9606 GN=PSMD4 PE=1 SV=1  | 7  | 2  | 2  | 2  | 2,36  | 2  |
| P08243  | Asparagine synthetase [glutamine-hydrolyzing] OS=Homo sapiens OX=9606 GN=ASNS PE=1 SV=4  | 5  | 3  | 5  | 3  | 1,86  | 3  |
| P60866  | 40S ribosomal protein S20 OS=Homo sapiens OX=9606 GN=RPS20 PE=1 SV=1  | 23  | 2  | 3  | 2  | 8,44  | 2  |
| O43399  | Tumor protein D54 OS=Homo sapiens OX=9606 GN=TPD52L2 PE=1 SV=2  | 11  | 2  | 2  | 2  | 5,74  | 2  |
| Q14739  | Lamin-B receptor OS=Homo sapiens OX=9606 GN=LBR PE=1 SV=2  | 4  | 2  | 2  | 2  | 4,37  | 2  |
| Q8TB61  | Adenosine 3'-phospho 5'-phosphosulfate transporter 1 OS=Homo sapiens OX=9606 GN=SLC35B2 PE=1 SV=1  | 5  | 2  | 3  | 2  | 5,4  | 2  |
| Q9H6R4  | Nucleolar protein 6 OS=Homo sapiens OX=9606 GN=NOL6 PE=1 SV=2  | 2  | 2  | 4  | 2  | 8,22  | 2  |
| Q8TAQ2  | SWI/SNF complex subunit SMARCC2 OS=Homo sapiens OX=9606 GN=SMARCC2 PE=1 SV=1  | 2  | 2  | 3  | 2  | 3,76  | 2  |
| Q92888  | Rho guanine nucleotide exchange factor 1 OS=Homo sapiens OX=9606 GN=ARHGEF1 PE=1 SV=2  | 3  | 2  | 2  | 2  | 5,82  | 2  |
| P17980  | 26S proteasome regulatory subunit 6A OS=Homo sapiens OX=9606 GN=PSMC3 PE=1 SV=3  | 9  | 3  | 5  | 3  | 9,89  | 3  |
| Q5VYK3  | Proteasome adapter and scaffold protein ECM29 OS=Homo sapiens OX=9606 GN=ECPAS PE=1 SV=2  | 1  | 2  | 3  | 2  | 2,37  | 2  |
| O00268  | Transcription initiation factor TFIID subunit 4 OS=Homo sapiens OX=9606 GN=TAF4 PE=1 SV=2  | 2  | 2  | 3  | 2  | 5,65  | 2  |
| P22223  | Cadherin-3 OS=Homo sapiens OX=9606 GN=CDH3 PE=1 SV=2  | 3  | 2  | 3  | 2  | 5,73  | 2  |
| Q13162  | Peroxiredoxin-4 OS=Homo sapiens OX=9606 GN=PRDX4 PE=1 SV=1  | 7  | 2  | 4  | 1  | 9,17  | 2  |

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| Q8N163  | Cell cycle and apoptosis regulator protein 2 OS=Homo sapiens OX=9606 GN=CCAR2 PE=1 SV=2  | 3  | 2  | 2  | 2  | 4,78  | 2  |
| P51858  | Hepatoma-derived growth factor OS=Homo sapiens OX=9606 GN=HDGF PE=1 SV=1  | 8  | 2  | 3  | 2  | 6,26  | 2  |
| Q99798  | Aconitate hydratase, mitochondrial OS=Homo sapiens OX=9606 GN=ACO2 PE=1 SV=2  | 4  | 2  | 3  | 2  | 8,68  | 2  |
| P25398  | 40S ribosomal protein S12 OS=Homo sapiens OX=9606 GN=RPS12 PE=1 SV=3  | 20  | 3  | 4  | 3  | 1,69  | 3  |
| Q92896  | Golgi apparatus protein 1 OS=Homo sapiens OX=9606 GN=GLG1 PE=1 SV=2  | 1  | 1  | 1  | 1  | 3,25  | 1  |
| P35080  | Profilin-2 OS=Homo sapiens OX=9606 GN=PFN2 PE=1 SV=3  | 10  | 1  | 1  | 1  | 3,37  | 1  |
| Q13033  | Striatin-3 OS=Homo sapiens OX=9606 GN=STRN3 PE=1 SV=3  | 3  | 2  | 2  | 2  | 5,11  | 2  |
| P31689  | DnaJ homolog subfamily A member 1 OS=Homo sapiens OX=9606 GN=DNAJA1 PE=1 SV=2  | 3  | 1  | 2  | 1  | 4,98  | 1  |
| P30044  | Peroxiredoxin-5, mitochondrial OS=Homo sapiens OX=9606 GN=PRDX5 PE=1 SV=4  | 9  | 2  | 2  | 2  | 3,66  | 2  |
| Q8IYB3  | Serine/arginine repetitive matrix protein 1 OS=Homo sapiens OX=9606 GN=SRRM1 PE=1 SV=2  | 3  | 2  | 3  | 2  | 5,17  | 2  |
| P22061  | Protein-L-isoaspartate(D-aspartate) O-methyltransferase OS=Homo sapiens OX=9606 GN=PCMT1 PE=1 SV=4  | 6  | 1  | 2  | 1  | 3,24  | 1  |
| O15427  | Monocarboxylate transporter 4 OS=Homo sapiens OX=9606 GN=SLC16A3 PE=1 SV=1  | 5  | 2  | 3  | 2  | 3,31  | 2  |
| Q9UBT2  | SUMO-activating enzyme subunit 2 OS=Homo sapiens OX=9606 GN=UBA2 PE=1 SV=2  | 3  | 2  | 3  | 2  | 6,25  | 2  |
| Q7L2E3  | Putative ATP-dependent RNA helicase DHX30 OS=Homo sapiens OX=9606 GN=DHX30 PE=1 SV=1  | 2  | 2  | 2  | 2  | 3,97  | 2  |
| Q9Y5K6  | CD2-associated protein OS=Homo sapiens OX=9606 GN=CD2AP PE=1 SV=1  | 5  | 3  | 5  | 3  | 5,86  | 3  |
| P48444  | Coatomer subunit delta OS=Homo sapiens OX=9606 GN=ARCN1 PE=1 SV=1  | 4  | 2  | 3  | 2  | 6,36  | 2  |
| Q9NZB2  | Constitutive coactivator of PPAR-gamma-like protein 1 OS=Homo sapiens OX=9606 GN=FAM120A PE=1 SV=2  | 3  | 2  | 2  | 2  | 2,8  | 2  |

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| Q96DN5  | TBC1 domain family member 31 OS=Homo sapiens OX=9606 GN=TBC1D31 PE=1 SV=2  | 2  | 2  | 2  | 2  | 3,98  | 2  |
| P04181  | Ornithine aminotransferase, mitochondrial OS=Homo sapiens OX=9606 GN=OAT PE=1 SV=1  | 7  | 3  | 5  | 3  | 7,67  | 3  |
| P31040  | Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial OS=Homo sapiens OX=9606 GN=SDHA PE=1 SV=2  | 2  | 1  | 1  | 1  | 3,28  | 1  |
| Q9Y2A7  | Nck-associated protein 1 OS=Homo sapiens OX=9606 GN=NCKAP1 PE=1 SV=1  | 2  | 2  | 2  | 2  | 4,74  | 2  |
| Q13492  | Phosphatidylinositol-binding clathrin assembly protein OS=Homo sapiens OX=9606 GN=PICALM PE=1 SV=2  | 4  | 2  | 4  | 2  | 6,85  | 2  |
| Q9UHX1  | Poly(U)-binding-splicing factor PUF60 OS=Homo sapiens OX=9606 GN=PUF60 PE=1 SV=1  | 6  | 3  | 3  | 3  | 3,4  | 3  |
| Q9NR45  | Sialic acid synthase OS=Homo sapiens OX=9606 GN=NANS PE=1 SV=2  | 5  | 1  | 1  | 1  | 3,45  | 1  |
| Q9NZ08  | Endoplasmic reticulum aminopeptidase 1 OS=Homo sapiens OX=9606 GN=ERAP1 PE=1 SV=3  | 2  | 2  | 4  | 2  | 6,3  | 2  |
| O75821  | Eukaryotic translation initiation factor 3 subunit G OS=Homo sapiens OX=9606 GN=EIF3G PE=1 SV=2  | 4  | 1  | 2  | 1  | 6,48  | 1  |
| P30740  | Leukocyte elastase inhibitor OS=Homo sapiens OX=9606 GN=SERPINB1 PE=1 SV=1  | 5  | 2  | 3  | 2  | 1,85  | 2  |
| Q86TI2  | Dipeptidyl peptidase 9 OS=Homo sapiens OX=9606 GN=DPP9 PE=1 SV=3  | 3  | 3  | 5  | 3  | 6,03  | 3  |
| Q13428  | Treacle protein OS=Homo sapiens OX=9606 GN=TCOF1 PE=1 SV=3  | 2  | 2  | 2  | 2  | 4,35  | 2  |
| Q9UNH7  | Sorting nexin-6 OS=Homo sapiens OX=9606 GN=SNX6 PE=1 SV=1  | 5  | 2  | 2  | 2  | 2,75  | 2  |
| P43686  | 26S proteasome regulatory subunit 6B OS=Homo sapiens OX=9606 GN=PSMC4 PE=1 SV=2  | 5  | 2  | 3  | 2  | 2,76  | 2  |
| Q01844  | RNA-binding protein EWS OS=Homo sapiens OX=9606 GN=EWSR1 PE=1 SV=1  | 2  | 1  | 2  | 1  | 5,3  | 1  |
| P57088  | Transmembrane protein 33 OS=Homo sapiens OX=9606 GN=TMEM33 PE=1 SV=2  | 9  | 2  | 3  | 2  | 6,86  | 2  |
| Q96PK6  | RNA-binding protein 14 OS=Homo sapiens OX=9606 GN=RBM14 PE=1 SV=2  | 3  | 2  | 3  | 2  | 5,99  | 2  |

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| Q1KMD3  | Heterogeneous nuclear ribonucleoprotein U-like protein 2 OS=Homo sapiens OX=9606 GN=HNRNPUL2 PE=1 SV=1  | 2  | 1  | 2  | 1  | 4,8  | 1  |
| P08134  | Rho-related GTP-binding protein RhoC OS=Homo sapiens OX=9606 GN=RHOC PE=1 SV=1  | 10  | 2  | 4  | 2  | 8,04  | 2  |
| O15118  | NPC intracellular cholesterol transporter 1 OS=Homo sapiens OX=9606 GN=NPC1 PE=1 SV=2  | 1  | 1  | 1  | 1  | 2,76  | 1  |
| P62070  | Ras-related protein R-Ras2 OS=Homo sapiens OX=9606 GN=RRAS2 PE=1 SV=1  | 6  | 1  | 1  | 1  | 2,73  | 1  |
| P39687  | Acidic leucine-rich nuclear phosphoprotein 32 family member A OS=Homo sapiens OX=9606 GN=ANP32A PE=1 SV=1  | 8  | 2  | 2  | 1  | 2,23  | 2  |
| P61289  | Proteasome activator complex subunit 3 OS=Homo sapiens OX=9606 GN=PSME3 PE=1 SV=1  | 7  | 2  | 2  | 2  | 4,13  | 2  |
| P47914  | 60S ribosomal protein L29 OS=Homo sapiens OX=9606 GN=RPL29 PE=1 SV=2  | 9  | 1  | 2  | 1  | 7,11  | 1  |
| P53985  | Monocarboxylate transporter 1 OS=Homo sapiens OX=9606 GN=SLC16A1 PE=1 SV=3  | 3  | 1  | 1  | 1  | 3,65  | 1  |
| Q9BXJ9  | N-alpha-acetyltransferase 15, NatA auxiliary subunit OS=Homo sapiens OX=9606 GN=NAA15 PE=1 SV=1  | 5  | 3  | 4  | 3  | 1,73  | 3  |
| Q15056  | Eukaryotic translation initiation factor 4H OS=Homo sapiens OX=9606 GN=EIF4H PE=1 SV=5  | 5  | 1  | 1  | 1  | 3,11  | 1  |
| A0AVT1  | Ubiquitin-like modifier-activating enzyme 6 OS=Homo sapiens OX=9606 GN=UBA6 PE=1 SV=1  | 3  | 3  | 3  | 3  | 3,57  | 3  |
| Q15907  | Ras-related protein Rab-11B OS=Homo sapiens OX=9606 GN=RAB11B PE=1 SV=4  | 10  | 2  | 2  | 2  | 4,98  | 2  |
| Q9UN86  | Ras GTPase-activating protein-binding protein 2 OS=Homo sapiens OX=9606 GN=G3BP2 PE=1 SV=2  | 3  | 1  | 1  | 1  | 2,56  | 1  |
| Q06203  | Amidophosphoribosyltransferase OS=Homo sapiens OX=9606 GN=PPAT PE=1 SV=1  | 2  | 1  | 1  | 1  | 2,34  | 1  |
| Q12874  | Splicing factor 3A subunit 3 OS=Homo sapiens OX=9606 GN=SF3A3 PE=1 SV=1  | 2  | 1  | 1  | 1  | 2,24  | 1  |
| Q15020  | Squamous cell carcinoma antigen recognized by T-cells 3 OS=Homo sapiens OX=9606 GN=SART3 PE=1 SV=1  | 2  | 2  | 2  | 2  | 2,27  | 2  |

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| P00492  | Hypoxanthine-guanine phosphoribosyltransferase OS=Homo sapiens OX=9606 GN=HPRT1 PE=1 SV=2  | 6  | 1  | 2  | 1  | 1,65  | 1  |
| P12270  | Nucleoprotein TPR OS=Homo sapiens OX=9606 GN=TPR PE=1 SV=3  | 1  | 3  | 4  | 2  | 3,6  | 3  |
| Q15542  | Transcription initiation factor TFIID subunit 5 OS=Homo sapiens OX=9606 GN=TAF5 PE=1 SV=3  | 3  | 2  | 3  | 2  | 4,03  | 2  |
| P61254  | 60S ribosomal protein L26 OS=Homo sapiens OX=9606 GN=RPL26 PE=1 SV=1  | 14  | 2  | 3  | 2  | 3,92  | 2  |
| O15294  | UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit OS=Homo sapiens OX=9606 GN=OGT PE=1 SV=3  | 2  | 2  | 2  | 2  | 3,93  | 2  |
| Q02790  | Peptidyl-prolyl cis-trans isomerase FKBP4 OS=Homo sapiens OX=9606 GN=FKBP4 PE=1 SV=3  | 4  | 2  | 3  | 2  | 5,77  | 2  |
| Q93052  | Lipoma-preferred partner OS=Homo sapiens OX=9606 GN=LPP PE=1 SV=1  | 2  | 1  | 1  | 1  | 3,27  | 1  |
| O60306  | RNA helicase aquarius OS=Homo sapiens OX=9606 GN=AQR PE=1 SV=4  | 1  | 1  | 1  | 1  | 2,57  | 1  |
| Q96HC4  | PDZ and LIM domain protein 5 OS=Homo sapiens OX=9606 GN=PDLIM5 PE=1 SV=5  | 3  | 2  | 3  | 2  | 4,94  | 2  |
| Q7Z2W4  | Zinc finger CCCH-type antiviral protein 1 OS=Homo sapiens OX=9606 GN=ZC3HAV1 PE=1 SV=3  | 2  | 1  | 1  | 1  | 3,09  | 1  |
| Q9ULT8  | E3 ubiquitin-protein ligase HECTD1 OS=Homo sapiens OX=9606 GN=HECTD1 PE=1 SV=3  | 1  | 2  | 2  | 2  | 1,76  | 2  |
| Q86V81  | THO complex subunit 4 OS=Homo sapiens OX=9606 GN=ALYREF PE=1 SV=3  | 4  | 1  | 1  | 1  | 2,78  | 1  |
| P43487  | Ran-specific GTPase-activating protein OS=Homo sapiens OX=9606 GN=RANBP1 PE=1 SV=1  | 5  | 1  | 1  | 1  | 2,32  | 1  |
| Q9BQ52  | Zinc phosphodiesterase ELAC protein 2 OS=Homo sapiens OX=9606 GN=ELAC2 PE=1 SV=2  | 2  | 2  | 4  | 2  | 6,32  | 2  |
| P08697  | Alpha-2-antiplasmin OS=Homo sapiens OX=9606 GN=SERPINF2 PE=1 SV=3  | 2  | 1  | 2  | 1  | 4,86  | 1  |
| P48637  | Glutathione synthetase OS=Homo sapiens OX=9606 GN=GSS PE=1 SV=1  | 5  | 2  | 2  | 2  | 3,3  | 2  |
| Q9UBQ5  | Eukaryotic translation initiation factor 3 subunit K OS=Homo sapiens OX=9606 GN=EIF3K PE=1 SV=1  | 5  | 1  | 1  | 1  | 2,27  | 1  |

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| P45974  | Ubiquitin carboxyl-terminal hydrolase 5 OS=Homo sapiens OX=9606 GN=USP5 PE=1 SV=2  | 3  | 2  | 3  | 2  | 4,94  | 2  |
| P49023  | Paxillin OS=Homo sapiens OX=9606 GN=PXN PE=1 SV=3  | 4  | 2  | 2  | 2  | 2,49  | 2  |
| P48960  | CD97 antigen OS=Homo sapiens OX=9606 GN=CD97 PE=1 SV=4  | 2  | 1  | 1  | 1  | 2,26  | 1  |
| Q09161  | Nuclear cap-binding protein subunit 1 OS=Homo sapiens OX=9606 GN=NCBP1 PE=1 SV=1  | 1  | 1  | 1  | 1  | 2,85  | 1  |
| Q9NR31  | GTP-binding protein SAR1a OS=Homo sapiens OX=9606 GN=SAR1A PE=1 SV=1  | 6  | 1  | 2  | 1  | 4,16  | 1  |
| Q5JWF2  | Guanine nucleotide-binding protein G(s) subunit alpha isoforms XLas OS=Homo sapiens OX=9606 GN=GNAS PE=1 SV=2  | 1  | 1  | 1  | 1  | 2,82  | 1  |
| Q92621  | Nuclear pore complex protein Nup205 OS=Homo sapiens OX=9606 GN=NUP205 PE=1 SV=3  | 1  | 2  | 2  | 2  | 2,05  | 2  |
| O60610  | Protein diaphanous homolog 1 OS=Homo sapiens OX=9606 GN=DIAPH1 PE=1 SV=2  | 1  | 2  | 2  | 2  | 1,61  | 2  |
| Q9P258  | Protein RCC2 OS=Homo sapiens OX=9606 GN=RCC2 PE=1 SV=2  | 5  | 2  | 3  | 2  | 7,59  | 2  |
| Q9BR76  | Coronin-1B OS=Homo sapiens OX=9606 GN=CORO1B PE=1 SV=1  | 2  | 1  | 2  | 1  | 4,63  | 1  |
| P62195  | 26S proteasome regulatory subunit 8 OS=Homo sapiens OX=9606 GN=PSMC5 PE=1 SV=1  | 6  | 2  | 3  | 1  | 4,26  | 2  |
| P40261  | Nicotinamide N-methyltransferase OS=Homo sapiens OX=9606 GN=NNMT PE=1 SV=1  | 4  | 1  | 2  | 1  | 5,89  | 1  |
| Q13510  | Acid ceramidase OS=Homo sapiens OX=9606 GN=ASAH1 PE=1 SV=5  | 3  | 1  | 1  | 1  | 2,05  | 1  |
| Q6P179  | Endoplasmic reticulum aminopeptidase 2 OS=Homo sapiens OX=9606 GN=ERAP2 PE=1 SV=2  | 1  | 1  | 2  | 1  | 5,63  | 1  |
| O60884  | DnaJ homolog subfamily A member 2 OS=Homo sapiens OX=9606 GN=DNAJA2 PE=1 SV=1  | 2  | 1  | 2  | 1  | 3,38  | 1  |
| P07741  | Adenine phosphoribosyltransferase OS=Homo sapiens OX=9606 GN=APRT PE=1 SV=2  | 6  | 1  | 1  | 1  | 2,31  | 1  |
| P31431  | Syndecan-4 OS=Homo sapiens OX=9606 GN=SDC4 PE=1 SV=2  | 7  | 1  | 1  | 1  | 2,87  | 1  |
| Q13451  | Peptidyl-prolyl cis-trans isomerase FKBP5 OS=Homo sapiens OX=9606 GN=FKBP5 PE=1 SV=2  | 2  | 1  | 2  | 1  | 3,78  | 1  |
| P11166  | Solute carrier family 2, facilitated glucose transporter member 1 OS=Homo sapiens OX=9606 GN=SLC2A1 PE=1 SV=2  | 2  | 1  | 2  | 1  | 4,39  | 1  |

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| P06493  | Cyclin-dependent kinase 1 OS=Homo sapiens OX=9606 GN=CDK1 PE=1 SV=3  | 5  | 1  | 1  | 1  | 2,5  | 1  |
| P25786  | Proteasome subunit alpha type-1 OS=Homo sapiens OX=9606 GN=PSMA1 PE=1 SV=1  | 6  | 2  | 2  | 2  | 3,42  | 2  |
| Q00653  | Nuclear factor NF-kappa-B p100 subunit OS=Homo sapiens OX=9606 GN=NFKB2 PE=1 SV=4  | 1  | 1  | 1  | 1  | 2,59  | 1  |
| P52888  | Thimet oligopeptidase OS=Homo sapiens OX=9606 GN=THOP1 PE=1 SV=2  | 1  | 1  | 1  | 1  | 2,08  | 1  |
| Q9UBB4  | Ataxin-10 OS=Homo sapiens OX=9606 GN=ATXN10 PE=1 SV=1  | 2  | 1  | 1  | 1  | 2,73  | 1  |
| P23588  | Eukaryotic translation initiation factor 4B OS=Homo sapiens OX=9606 GN=EIF4B PE=1 SV=2  | 3  | 1  | 1  | 1  | 2,71  | 1  |
| Q9P2E9  | Ribosome-binding protein 1 OS=Homo sapiens OX=9606 GN=RRBP1 PE=1 SV=5  | 1  | 1  | 2  | 1  | 5,12  | 1  |
| Q9H307  | Pinin OS=Homo sapiens OX=9606 GN=PNN PE=1 SV=5  | 2  | 1  | 1  | 1  | 2,84  | 1  |
| O43847  | Nardilysin OS=Homo sapiens OX=9606 GN=NRDC PE=1 SV=2  | 2  | 2  | 3  | 2  | 6,26  | 2  |
| P17812  | CTP synthase 1 OS=Homo sapiens OX=9606 GN=CTPS1 PE=1 SV=2  | 2  | 1  | 1  | 1  | 2,06  | 1  |
| Q9Y6E2  | Basic leucine zipper and W2 domain-containing protein 2 OS=Homo sapiens OX=9606 GN=BZW2 PE=1 SV=1  | 3  | 2  | 4  | 1  | 1,81  | 2  |
| Q9UBF2  | Coatomer subunit gamma-2 OS=Homo sapiens OX=9606 GN=COPG2 PE=1 SV=1  | 1  | 1  | 1  | 1  | 2,27  | 1  |
| P61224  | Ras-related protein Rap-1b OS=Homo sapiens OX=9606 GN=RAP1B PE=1 SV=1  | 6  | 1  | 1  | 1  | 2,51  | 1  |
| P28331  | NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial OS=Homo sapiens OX=9606 GN=NDUFS1 PE=1 SV=3  | 1  | 1  | 2  | 1  | 3,87  | 1  |
| P14174  | Macrophage migration inhibitory factor OS=Homo sapiens OX=9606 GN=MIF PE=1 SV=4  | 8  | 1  | 2  | 1  | 4,66  | 1  |
| Q9BR77  | Coiled-coil domain-containing protein 77 OS=Homo sapiens OX=9606 GN=CCDC77 PE=1 SV=1  | 2  | 1  | 1  | 1  | 2,27  | 1  |
| Q01650  | Large neutral amino acids transporter small subunit 1 OS=Homo sapiens OX=9606 GN=SLC7A5 PE=1 SV=2  | 4  | 1  | 1  | 1  | 2,38  | 1  |
| Q9NQW6  | Anillin OS=Homo sapiens OX=9606 GN=ANLN PE=1 SV=2  | 1  | 1  | 2  | 1  | 3,8  | 1  |
| P24752  | Acetyl-CoA acetyltransferase, mitochondrial OS=Homo sapiens OX=9606 GN=ACAT1 PE=1 SV=1  | 5  | 2  | 2  | 2  | 4,02  | 2  |

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| P32322  | Pyrroline-5-carboxylate reductase 1, mitochondrial OS=Homo sapiens OX=9606 GN=PYCR1 PE=1 SV=2  | 8  | 2  | 2  | 2  | 2,42  | 2  |
| Q9BUJ2  | Heterogeneous nuclear ribonucleoprotein U-like protein 1 OS=Homo sapiens OX=9606 GN=HNRNPUL1 PE=1 SV=2  | 1  | 1  | 2  | 1  | 4,45  | 1  |
| Q9H5V8  | CUB domain-containing protein 1 OS=Homo sapiens OX=9606 GN=CDCP1 PE=1 SV=3  | 1  | 1  | 1  | 1  | 2,37  | 1  |
| O00203  | AP-3 complex subunit beta-1 OS=Homo sapiens OX=9606 GN=AP3B1 PE=1 SV=3  | 1  | 1  | 1  | 1  | 2,11  | 1  |
| Q9UBM7  | 7-dehydrocholesterol reductase OS=Homo sapiens OX=9606 GN=DHCR7 PE=1 SV=1  | 2  | 1  | 1  | 1  | 2,61  | 1  |
| P17676  | CCAAT/enhancer-binding protein beta OS=Homo sapiens OX=9606 GN=CEBPB PE=1 SV=2  | 3  | 1  | 2  | 1  | 4,51  | 1  |
| P51665  | 26S proteasome non-ATPase regulatory subunit 7 OS=Homo sapiens OX=9606 GN=PSMD7 PE=1 SV=2  | 4  | 1  | 1  | 1  | 2,27  | 1  |
| P39019  | 40S ribosomal protein S19 OS=Homo sapiens OX=9606 GN=RPS19 PE=1 SV=2  | 6  | 1  | 2  | 1  | 4,77  | 1  |
| Q12765  | Secernin-1 OS=Homo sapiens OX=9606 GN=SCRN1 PE=1 SV=2  | 2  | 1  | 2  | 1  | 2  | 1  |
| Q96K62  | Zinc finger and BTB domain-containing protein 45 OS=Homo sapiens OX=9606 GN=ZBTB45 PE=2 SV=1  | 2  | 1  | 2  | 1  | 5,11  | 1  |
| O43760  | Synaptogyrin-2 OS=Homo sapiens OX=9606 GN=SYNGR2 PE=1 SV=1  | 4  | 1  | 1  | 1  | 2,44  | 1  |
| P24821  | Tenascin OS=Homo sapiens OX=9606 GN=TNC PE=1 SV=3  | 0  | 1  | 1  | 1  | 1,93  | 1  |
| P62081  | 40S ribosomal protein S7 OS=Homo sapiens OX=9606 GN=RPS7 PE=1 SV=1  | 4  | 1  | 2  | 1  | 4,63  | 1  |
| O15347  | High mobility group protein B3 OS=Homo sapiens OX=9606 GN=HMGB3 PE=1 SV=4  | 7  | 1  | 1  | 1  | 2,21  | 1  |
| P26358  | DNA (cytosine-5)-methyltransferase 1 OS=Homo sapiens OX=9606 GN=DNMT1 PE=1 SV=2  | 1  | 2  | 3  | 2  | 2,43  | 2  |
| Q16851  | UTP--glucose-1-phosphate uridylyltransferase OS=Homo sapiens OX=9606 GN=UGP2 PE=1 SV=5  | 2  | 1  | 2  | 1  | 4,08  | 1  |
| Q15075  | Early endosome antigen 1 OS=Homo sapiens OX=9606 GN=EEA1 PE=1 SV=2  | 1  | 1  | 1  | 1  | 2,07  | 1  |
| Q86XP3  | ATP-dependent RNA helicase DDX42 OS=Homo sapiens OX=9606 GN=DDX42 PE=1 SV=1  | 1  | 1  | 1  | 1  | 2,02  | 1  |

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| Q9BZZ5  | Apoptosis inhibitor 5 OS=Homo sapiens OX=9606 GN=API5 PE=1 SV=3  | 2  | 1  | 2  | 1  | 3,86  | 1  |
| Q9BTE3  | Mini-chromosome maintenance complex-binding protein OS=Homo sapiens OX=9606 GN=MCMBP PE=1 SV=2  | 2  | 1  | 2  | 1  | 2,2  | 1  |
| P28340  | DNA polymerase delta catalytic subunit OS=Homo sapiens OX=9606 GN=POLD1 PE=1 SV=2  | 1  | 2  | 2  | 1  | 1,74  | 2  |
| Q8TCT9  | Minor histocompatibility antigen H13 OS=Homo sapiens OX=9606 GN=HM13 PE=1 SV=1  | 3  | 1  | 1  | 1  | 2,44  | 1  |
| Q8TAT6  | Nuclear protein localization protein 4 homolog OS=Homo sapiens OX=9606 GN=NPLOC4 PE=1 SV=3  | 2  | 1  | 1  | 1  | 2,35  | 1  |
| Q8TEX9  | Importin-4 OS=Homo sapiens OX=9606 GN=IPO4 PE=1 SV=2  | 1  | 1  | 2  | 1  | 4,69  | 1  |
| Q9UGP8  | Translocation protein SEC63 homolog OS=Homo sapiens OX=9606 GN=SEC63 PE=1 SV=2  | 3  | 2  | 2  | 2  | 1,72  | 2  |
| P78344  | Eukaryotic translation initiation factor 4 gamma 2 OS=Homo sapiens OX=9606 GN=EIF4G2 PE=1 SV=1  | 1  | 1  | 2  | 1  | 3,59  | 1  |
| Q96HS1  | Serine/threonine-protein phosphatase PGAM5, mitochondrial OS=Homo sapiens OX=9606 GN=PGAM5 PE=1 SV=2  | 3  | 1  | 1  | 1  | 2,17  | 1  |
| P62244  | 40S ribosomal protein S15a OS=Homo sapiens OX=9606 GN=RPS15A PE=1 SV=2  | 10  | 2  | 3  | 2  | 1,71  | 2  |
| P06703  | Protein S100-A6 OS=Homo sapiens OX=9606 GN=S100A6 PE=1 SV=1  | 9  | 1  | 2  | 1  | 4,73  | 1  |
| Q9ULE4  | Protein FAM184B OS=Homo sapiens OX=9606 GN=FAM184B PE=2 SV=3  | 1  | 1  | 2  | 1  | 5,26  | 1  |
| Q9UNM6  | 26S proteasome non-ATPase regulatory subunit 13 OS=Homo sapiens OX=9606 GN=PSMD13 PE=1 SV=2  | 2  | 1  | 1  | 1  | 1,8  | 1  |
| Q8N1G4  | Leucine-rich repeat-containing protein 47 OS=Homo sapiens OX=9606 GN=LRRC47 PE=1 SV=1  | 2  | 1  | 1  | 1  | 2,16  | 1  |
| P24932  | Shutoff protein OS=Human adenovirus C serotype 2 OX=10515 GN=L4 PE=1 SV=1  | 2  | 2  | 2  | 1  | 1,83  | 2  |
| O94906  | Pre-mRNA-processing factor 6 OS=Homo sapiens OX=9606 GN=PRPF6 PE=1 SV=1  | 1  | 1  | 1  | 1  | 1,66  | 1  |
| O96019  | Actin-like protein 6A OS=Homo sapiens OX=9606 GN=ACTL6A PE=1 SV=1  | 3  | 1  | 1  | 1  | 2,12  | 1  |
| P62829  | 60S ribosomal protein L23 OS=Homo sapiens OX=9606 GN=RPL23 PE=1 SV=1  | 11  | 1  | 1  | 1  | 2,2  | 1  |
| Q5SRE5  | Nucleoporin NUP188 homolog OS=Homo sapiens OX=9606 GN=NUP188 PE=1 SV=1  | 1  | 1  | 1  | 1  | 2,39  | 1  |
| Q9UBL6  | Copine-7 OS=Homo sapiens OX=9606 GN=CPNE7 PE=1 SV=1  | 1  | 1  | 2  | 1  | 1,94  | 1  |
| O43172  | U4/U6 small nuclear ribonucleoprotein Prp4 OS=Homo sapiens OX=9606 GN=PRPF4 PE=1 SV=2  | 3  | 1  | 1  | 1  | 2,37  | 1  |
| P19525  | Interferon-induced, double-stranded RNA-activated protein kinase OS=Homo sapiens OX=9606 GN=EIF2AK2 PE=1 SV=2  | 2  | 1  | 1  | 1  | 2,07  | 1  |
| Q15942  | Zyxin OS=Homo sapiens OX=9606 GN=ZYX PE=1 SV=1  | 3  | 1  | 1  | 1  | 1,86  | 1  |
| O94979  | Protein transport protein Sec31A OS=Homo sapiens OX=9606 GN=SEC31A PE=1 SV=3  | 1  | 1  | 1  | 1  | 2,36  | 1  |
| Q14847  | LIM and SH3 domain protein 1 OS=Homo sapiens OX=9606 GN=LASP1 PE=1 SV=2  | 5  | 1  | 1  | 1  | 2,16  | 1  |
| P53999  | Activated RNA polymerase II transcriptional coactivator p15 OS=Homo sapiens OX=9606 GN=SUB1 PE=1 SV=3  | 10  | 1  | 1  | 1  | 2,27  | 1  |