**SUPPLEMENT. MALDI-TOF MASS SPECTROMETRIC PROTEOME PROFILING OF MICROVESICLES PRODUCED BY THE NK-92 NATURAL KILLER LINE (*P* < 0.05)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Protein** | **UniProtKB / NCBI(\*) entries** | **Gene** | **MW, kDa** | **pI** | **Number of peptides**  **(% AAC)** |
| ***Cytoskeleton and motor proteins*** | | | | | |
| Actin-related protein 2 / 3 complex subunit 1A isoform 1 | Q92747 | ARPC1A | 41.5 | 8.46 | 5 (9) |
| Alpha-1-syntrophin isoform 1 | Q13424 | SNTA1 | 53.9 | 6.35 | 7 (7) |
| Alpha-tubulin N-acetyltransferase 1 isoform 1 | Q5SQI0 | ATAT1 | 46.8 | 9.97 | 11 (15) |
| Beta-actin-like protein 2 | Q562R1 | ACTBL2 | 42.0 | 5.39 | 5 (8) |
| cDNA, FLJ78930, highly similar to Ezrin | B7Z9R6 | N / A | 22.5 | 5.10 | 6 (21) |
| Coronin-1A | P31146 | CORO1A | 51.0 | 6.25 | 8 (6) |
| Coronin-2B isoform 1 | Q9UQ03 | CORO2B | 54.9 | 8.53 | 9 (9) |
| Dynein light chain 4, axonemal | O96015 | DNAL4 | 12.0 | 5.37 | 7 (21) |
| Dynein light chain 4, axonemal, partial | Q53FE0  / BAD97069(\*) | DNAL4 | 11.9 | 5.60 | 5 (15) |
| EF-hand domain-containing protein 1 isoform 1 | Q5JVL4 | EFHC1 | 73.9 | 5.82 | 5 (4) |
| Echinoderm microtubule-associated protein-like 6 isoform 1 | Q6ZMW3 | EML6 | 217.8 | 10.40 | 25 (8) |
| Ezrin | P15311 | EZR | 69.4 | 5.94 | 18 (22) |
| Gamma-parvin isoform 1 | Q9HBI0 | PARVG | 37.5 | 5.32 | 6 (7) |
| Katanin p60 ATPase-containing subunit A-like 1 | Q9BW62 | KATNAL1 | 55.4 | 6.35 | 8 (10) |
| Katanin p60 ATPase-containing subunit A-like 2 isoform 1 | Q8IYT4 | KATNAL2 | 61.2 | 7.22 | 8 (10) |
| Katanin p80 WD40 repeat-containing subunit B1 | Q9BVA0 | KATNB1 | 72.3 | 7.51 | 8 (8) |
| Keratin, type I cytoskeletal 18 | P05783 | KRT18 | 48.0 | 5.34 | 7 (11) |
| Keratin, type I cytoskeletal 25 | Q7Z3Z0 | KRT25 | 49.3 | 5.00 | 6 (9) |
| Keratin, type I cytoskeletal 28 | Q7Z3Y7 | KRT28 | 50.5 | 5.33 | 7 (18) |
| Keratin, type II cytoskeletal 2, epidermal | P35908 | KRT2 | 65.4 | 8.07 | 15 (17) |
| MAP7 domain-containing protein 3 isoform 1 | Q8IWC1 | MA7D3 | 98.4 | 9.34 | 10 (7) |
| Myosin regulatory light chain 2 isoform X4, atrial isoform | C9JEG4  / XP\_005249874(\*) | MYL7 | 16.9 | 6.59 | 7 (21) |
| Myosin regulatory light chain 2 isoform X5, atrial isoform | H7C482  / XP\_005249874(\*) | MYL7 | 14.6 | 5.26 | 7 (25) |
| Profilin-3 | P60673 | PFN3 | 14.6 | 9.49 | 5 (12) |
| Serine-rich coiled-coil domain-containing protein 2 isoform 1 | Q9H7U1 | CCSER2 | 93.5 | 6.40 | 10 (5) |
| Sterile alpha motif domain-containing protein 14 isoform 1 | Q8IZD0 | SAMD14 | 45.0 | 9.41 | 8 (6) |
| Testin isoform 1 | Q9UGI8 | TES | 48.0 | 7.96 | 7 (9) |
| Tropomodulin-4 isoform 1 | Q9NZQ9 | TMOD4 | 39.3 | 4.69 | 6 (6) |
| Tropomyosin alpha-4 chain isoform 1 | P67936 | TPM4 | 28.5 | 4.67 | 6 (15) |
| Troponin T, slow skeletal muscle isoform 1 | P13805 | TNNT1 | 32.9 | 5.86 | 10 (13) |
| Tubulin epsilon and delta complex protein 1 isoform 1 | Q86SX3 | TEDC1 | 54.2 | 8.40 | 5 (17) |
| Unconventional myosin-IXa isoform 1 | B2RTY4 | MYO9A | 292.5 | 9.03 | 16 (4) |
| Unconventional myosin-XIX isoform 1 | Q96H55 | MYO19 | 109.1 | 7.87 | 9 (4) |
| WD repeat-containing protein 1 isoform 1 | O75083 | WDR1 | 66.2 | 6.17 | 9 (6) |
| WD repeat-containing protein 78 isoform 1 | Q5VTH9 | WDR78 | 94.5 | 5.53 | 10 (7) |
| ***RNA transcription, processing, translation, and utilization regulators*** | | | | | |
| 39S ribosomal protein L41, mitochondrial | Q8IXM3 | MRPL41 | 15.4 | 9.58 | 10 (16) |
| 39S ribosomal protein L44, mitochondrial | Q9H9J2 | MRPL44 | 37.5 | 8.64 | 6 (8) |
| 39S ribosomal protein L51, mitochondrial | Q4U2R6 | MRPL51 | 15.1 | 11.27 | 6 (24) |
| 40S ribosomal protein S3a | P61247 | RPS3A | 29.9 | 9.75 | 7 (13) |
| 40S ribosomal protein S4, Y isoform 1 | P22090 | RPS4Y1 | 29.4 | 10.25 | 9 (13) |
| 40S ribosomal protein S4, Y isoform 2 | Q8TD47 | RPS4Y2 | 29.3 | 10.10 | 8 (10) |
| 40S ribosomal protein S14 | P62263 | RPS14 | 16.3 | 10.07 | 6 (11) |
| 40S ribosomal protein S23 | P62266 | RPS23 | 15.8 | 10.50 | 7 (22) |
| 40S ribosomal protein S29 | P62273 | RPS29 | 6.7 | 10.17 | 6 (55) |
| 60S ribosomal protein L7a | P62424 | RPL7A | 30.0 | 10.61 | 9 (19) |
| 60S ribosomal protein L23 | P62829 | RPL23 | 14.9 | 10.51 | 7(14) |
| cDNA, FLJ96865 | B2RE11  / BAG38108(\*) | N / A | 18.4 | 9.46 | 7 (15) |
| Cleavage stimulation factor subunit 3 isoform 1 | Q12996 | CSTF3 | 82.9 | 8.26 | 9 (9) |
| Cold shock domain-containing protein E1 isoform 1 | O75534 | CSDE1 | 88.8 | 5.88 | 7 (7) |
| CUGBP Elav-like family member 2 isoform 1 | O95319 | CELF2 | 54.3 | 8.98 | 7 (6) |
| DNA-directed RNA polymerase I subunit RPA2 isoform 1 | Q9H9Y6 | POLR1B | 128.1 | 8.07 | 11 (3) |
| DNA-directed RNA polymerases I and III subunit RPAC1 isoform 1 | O15160 | POLR1C | 39.2 | 5.31 | 9 (17) |
| DNA-directed RNA polymerase II subunit GRINL1A isoform 1 | P0CAP2 | POLR2M | 41.7 | 6.01 | 6 (8) |
| DNA-directed RNA polymerase III subunit RPC2 isoform 1 | Q9NW08 | POLR3B | 127.7 | 8.77 | 8 (3) |
| Exosome complex component RRP45 isoform 1 | Q06265 | EXOSC9 | 48.9 | 5.19 | 7 (7) |
| Exosome complex exonuclease RRP44 isoform 1 | Q9Y2L1 | DIS3 | 108.9 | 6.69 | 12 (4) |
| Fragile X mental retardation 1 variant, partial | Q59GC1  / BAD92425(\*) | FMR1 | 59.1 | 8.78 | 8 (10) |
| Lariat debranching enzyme isoform 1 | Q9UK59 | DBR1 | 61.6 | 5.25 | 6 (7) |
| Methyltransferase-like protein 8 isoform 4 | Q9H825  / NP\_001308088(\*) | METTL8 | 41.1 | 8.92 | 8 (5) |
| Methyltransferase-like protein 8 isoform X5 | XP\_016860477(\*) | METTL8 | 42.7 | 8.86 | 8 (5) |
| MIEF1 upstream open reading frame protein isoform 3 | L0R8F8 | MIEF1 | 8.4 | 10.59 | 6 (35) |
| Nanos homolog 1 | Q8WY41 | NANOS1 | 30.2 | 8.29 | 5 (8) |
| NHP2-like protein 1 | P55769 | SNU13 | 14.2 | 8.72 | 4 (19) |
| Nuclear cap-binding protein subunit 2 isoform 1 | P52298 | NCBP2 | 18.0 | 8.34 | 5 (12) |
| Peptidyl-tRNA hydrolase ICT1 isoform 1, mitochondrial | Q14197 | MRPL58 | 23.6 | 10.09 | 7 (20) |
| Peptidyl-tRNA hydrolase ICT1 isoform 2 precursor, mitochondrial | Q14197  / NP\_001290194(\*) | MRPL58 | 25.6 | 9.83 | 8 (20) |
| Pre-mRNA 3'-end-processing factor FIP1 isoform 1 | Q6UN15 | FIP1L1 | 66.5 | 5.42 | 9 (8) |
| Pre-mRNA-splicing factor SPF27 | O75934 | BCAS2 | 26.1 | 5.48 | 5 (16) |
| Pre-mRNA-splicing factor SYF1 | Q9HCS7 | XAB2 | 99.9 | 5.87 | 9 (8) |
| PRKR-interacting protein 1 isoform 1 | Q9H875 | PRKRIP1 | 21.0 | 9.78 | 6 (17) |
| Probable 18S rRNA (guanine-N(7)-)-methyltransferase isoform X1 | O43709  / XP\_006715910(\*) | BUD23 | 33.9 | 9.45 | 7 (6) |
| Probable 28S rRNA (cytosine(4447)-C(5))-methyltransferase isoform 1 | P46087 | NOP2 | 89.2 | 9.27 | 9 (6) |
| Protein SMG8 isoform 1 | Q8ND04 | SMG8 | 109.6 | 7.73 | 10 (6) |
| Putative peptidyl-tRNA hydrolase PTRHD1 | Q6GMV3 | PTRHD1 | 15.8 | 9.20 | 8 (7) |
| Ribosome biogenesis regulatory protein homolog | Q15050 | RRS1 | 41.2 | 10.69 | 7 (16) |
| RNA-binding protein 25 isoform 1 | P49756 | RBM25 | 100.1 | 6.06 | 17 (8) |
| RNA 3'-terminal phosphate cyclase isoform 1 | O00442 | RTCA | 39.3 | 8.01 | 9 (12) |
| RNA 3'-terminal phosphate cyclase isoform X1 | XP\_005271355(\*) | RTCA | 33.4 | 6.54 | 9 (14) |
| S-adenosyl-L-methionine-dependent tRNA 4-demethylwyosine synthase isoform 1 | Q6NUM6 | TYW1B | 76.9 | 5.87 | 8 (5) |
| Serine / threonine-protein kinase / endoribonuclease IRE1 isoform 1 | O75460 | ERN1 | 110.0 | 5.98 | 9 (6) |
| SRSF protein kinase 1 isoform 2 | Q96SB4 | SRPK1 | 74.3 | 5.81 | 9 (5) |
| Signal recognition particle 14 kDa protein | P37108 | SRP14 | 14.6 | 10.05 | 6 (22) |
| Signal recognition particle 54 kDa protein isoform 1 | P61011 | SRP54 | 55.7 | 8.87 | 8 (12) |
| Similar to ribosomal protein L31 | A4D2P5  / EAL23723(\*) | LOC402248 | 14.5 | 9.42 | 6 (15) |
| Small subunit processome component 20 homolog | O75691 | UTP20 | 318.2 | 7.07 | 12 (2) |
| SURP and G-patch domain-containing protein 1 isoform 1 | Q8IWZ8 | SUGP1 | 72.4 | 7.20 | 9 (9) |
| Telomerase RNA component interacting RNase isoform 1 | Q9BQ61 | TRIR | 18.4 | 9.46 | 7 (15) |
| Terminal nucleotidyltransferase 5A isoform 1 | Q96IP4 | TENT5A | 49.6 | 5.03 | 7 (8) |
| THO complex subunit 4 | Q86V81 | ALYREF | 26.9 | 11.15 | 7 (9) |
| Tudor and KH domain-containing protein isoform 1 | Q9Y2W6 | TDRKH | 62.0 | 4.91 | 8 (6) |
| Tudor domain-containing protein 7 isoform 1 | Q8NHU6 | TDRD7 | 123.5 | 6.84 | 10 (7) |
| U5 small nuclear ribonucleoprotein 40 kDa protein isoform 1 | Q96DI7 | SNRNP40 | 39.3 | 8.34 | 7 (5) |
| Valine–tRNA ligase isoform 1 | P26640 | VARS | 140.4 | 7.53 | 17 (10) |
| Valine–tRNA ligase isoform X1 | XP\_005249419(\*) | VARS | 140.5 | 7.53 | 11 (5) |
| Valine–tRNA ligase, partial | P26640  / AAA81332(\*) | VARS | 119.0 | 7.36 | 11 (7) |
| Valine–tRNA ligase, partial | P26640  / AAH12808(\*) | VARS | 140.4 | 7.53 | 11 (5) |
| Valine–tRNA ligase, partial | A0A024RCN6  / AQY77382(\*) | VARS | 140.4 | 7.53 | 11 (5) |
| Valine–tRNA ligase, partial | A0A1U9X9C8  / AQY77383(\*) | VARS | 140.3 | 7.31 | 11 (5) |
| Valine–tRNA ligase, partial | A0A1U9X9A1  / AQY77384(\*) | VARS | 140.4 | 7.53 | 11 (5) |
| Valine–tRNA ligase, partial | A0A1U9X9A3  / AQY77385(\*) | VARS | 140.4 | 7.53 | 11 (5) |
| Valine–tRNA ligase, partial | A0A1U9X9C7  / AQY77386(\*) | VARS | 140.3 | 7.31 | 11 (5) |
| Valine–tRNA ligase, partial | A0A1U9X9C1  / AQY77388(\*) | VARS | 140.3 | 7.31 | 11 (5) |
| Valine–tRNA ligase, partial | P26640  / CAA41990(\*) | VARS | 140.4 | 7.72 | 11 (5) |
| WD repeat-containing protein 46 | O15213 | WDR46 | 68.0 | 9.69 | 10 (5) |
| YTH domain-containing family protein 3 | Q7Z739 | YTHDF3 | 63.8 | 9.07 | 8 (8) |
| Zinc finger CCCH domain-containing protein 7A isoform 1 | Q8IWR0 | ZC3H7A | 110.5 | 7.00 | 10 (6) |
| ***Protein processing and proteolysis regulators. Amino acid metabolism enzymes*** | | | | | |
| Alpha-1.3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase | P26572 | MGAT1 | 50.9 | 9.25 | 5 (7) |
| Amine oxidase [flavin-containing] B isoform 1 | P27338 | MAOB | 58.7 | 7.20 | 12 (14) |
| Argininosuccinate synthase | P00966 | ASS1 | 46.5 | 8.08 | 6 (9) |
| Argininosuccinate synthetase isoform CRA\_c | EAW87934(\*) | ASS1 | 44.4 | 8.13 | 7 (11) |
| Argininosuccinate synthetase isoform CRA\_d | EAW87936(\*) | ASS1 | 41.4 | 8.89 | 7 (11) |
| Beta-1.4-galactosyltransferase 1 isoform long | P15291 | B4GALT1 | 43.9 | 8.88 | 6 (8) |
| Calpain-1 catalytic subunit | P07384 | CAPN1 | 81.8 | 5.49 | 9 (8) |
| Carboxypeptidase A5 isoform 1 | Q8WXQ8 | CPA5 | 49.0 | 6.24 | 6 (5) |
| CMP-N-acetylneuraminate-poly-alpha-2.8-sialyltransferase isoform 1 | Q92187 | ST8SIA4 | 41.3 | 9.77 | 9 (8) |
| Cytosolic carboxypeptidase 6 isoform 1 | Q5VU57 | AGBL4 | 58.2 | 8.66 | 7 (7) |
| Dipeptidyl peptidase 9 isoform 1 | Q86TI2 | DPP9 | 98.2 | 6.01 | 11 (5) |
| DnaJ homolog subfamily B member 6 | O75190 | DNAJB6 | 36.1 | 9.17 | 6 (7) |
| DnaJ homolog subfamily C member 4 | Q9NNZ3 | DNAJC4 | 27.6 | 10.56 | 7 (16) |
| Glutamate carboxypeptidase 2 isoform PSMA-1 | Q04609 | FOLH1 | 84.3 | 6.50 | 9 (5) |
| Glutamate dehydrogenase 1 isoform 1, mitochondrial | P00367 | GLUD1 | 61.4 | 7.66 | 7 (8) |
| Glutamine synthetase | P15104 | GLUL | 42.0 | 6.43 | 6 (11) |
| Glutathione S-transferase LANCL | O43813 | LANCL1 | 45.3 | 7.89 | 8 (9) |
| Glutathione synthetase isoform 1 | P48637 | GSS | 52.4 | 5.67 | 6 (11) |
| Glycine N-methyltransferase | Q14749 | GNMT | 32.7 | 6.55 | 7 (10) |
| Isoaspartyl peptidase / L-asparaginase isoform 1 | Q7L266 | ASRGL1 | 32.0 | 5.84 | 5 (6) |
| Methylcrotonoyl-CoA carboxylase beta chain isoform 1, mitochondrial | Q9HCC0 | MCCC2 | 61.3 | 7.57 | 7 (7) |
| NEDD8-activating enzyme E1 regulatory subunit isoform 1 | Q13564 | NAE1 | 60.2 | 5.25 | 10 (12) |
| Nuclear receptor-interacting protein 3 | Q9NQ35 | NRIP3 | 27.0 | 8.82 | 6 (13) |
| Palmitoyltransferase ZDHHC3 isoform 1 | Q9NYG2 | ZDHHC3 | 34.1 | 8.54 | 6 (6) |
| Palmitoyltransferase ZDHHC6 isoform 1 | Q9H6R6 | ZDHHC6 | 47.6 | 8.81 | 10 (5) |
| Peptidyl-prolyl cis-trans isomerase A isoform 1 | P62937 | PPIA | 18.0 | 7.68 | 5 (7) |
| Polypeptide N-acetylgalactosaminyltransferase 9 isoform 1 | Q9HCQ5 | GALNT9 | 68.3 | 8.73 | 9 (10) |
| Presequence protease isoform 1, mitochondrial | Q5JRX3 | PITRM1 | 117.3 | 6.45 | 10 (5) |
| Prolyl endopeptidase | P48147 | PREP | 80.6 | 5.53 | 7 (5) |
| Prolyl 3-hydroxylase 2 isoform 1 | Q8IVL5 | P3H2 | 80.9 | 5.48 | 6 (5) |
| Protein disulfide-isomerase-like protein of the testis | Q8N807 | PDILT | 66.6 | 6.41 | 7 (7) |
| Protein N-terminal asparagine amidohydrolase | Q96AB6 | NTAN1 | 34.7 | 5.82 | 5 (8) |
| Protein unc-45 homolog B | Q8IWX7 | UNC45B | 103.7 | 8.03 | 10 (6) |
| Putative heat shock protein HSP 90-alpha A4 | Q58FG1 | HSP90AA4P | 47.7 | 5.07 | 7 (9) |
| Putative heat shock protein HSP 90-beta 4 | Q58FF6 | HSP90AB4P | 58.2 | 4.65 | 7 (4) |
| S-adenosylmethionine synthase isoform type-2 isoform 1 | P31153 | MAT2A | 43.6 | 6.02 | 6 (8) |
| Signal peptidase complex catalytic subunit SEC11C | Q9BY50 | SEC11C | 21.5 | 9.20 | 8 (18) |
| Small ubiquitin-related modifier 2 isoform 1 | P61956 | SUMO2 | 10.9 | 5.32 | 5 (21) |
| Small ubiquitin-related modifier 4 | Q6EEV6 | SUMO4 | 10.7 | 6.56 | 4 (23) |
| T-complex protein 1 subunit epsilon isoform 1 | P48643 | CCT5 | 59.6 | 5.45 | 9 (8) |
| Torsin-1B | O14657 | TOR1B | 38.0 | 8.76 | 7 (10) |
| Transmembrane protease serine 11E | Q9UL52 | TMPRSS11E | 47.7 | 8.85 | 7 (8) |
| ***Ubiquitin-proteasome system proteins*** | | | | | |
| 26S proteasome non-ATPase regulatory subunit 3 isoform 1 | O43242 | PSMD3 | 60.9 | 8.47 | 7 (11) |
| AN1-type zinc finger protein 5 | O76080 | ZFAND5 | 23.1 | 8.86 | 7 (8) |
| Ankyrin repeat and SOCS box protein 3 isoform 1 | Q9Y575 | ASB3 | 57.7 | 5.84 | 6 (5) |
| cDNA FLJ55739, highly similar to 26S proteasome non-ATPase regulatory subunit 3 | B4DPM7  / BAG60639(\*) | N / A | 58.3 | 7.74 | 6 (9) |
| COP9 signalosome complex subunit 1 isoform 1 | Q13098 | GPS1 | 55.5 | 6.30 | 7 (9) |
| DDB1- and CUL4-associated factor 15 | Q66K64 | DCAF15 | 66.4 | 6.14 | 7 (6) |
| E3 ubiquitin-protein ligase CBL-C isoform 1 | Q9ULV8 | CBLC | 52.4 | 7.83 | 7 (9) |
| E3 ubiquitin-protein ligase CHIP isoform 1 | Q9UNE7 | STUB1 | 34.8 | 5.61 | 6 (11) |
| E3 ubiquitin-protein ligase PPP1R11 | O60927 | PPP1R11 | 13.9 | 6.52 | 5 (11) |
| E3 ubiquitin-protein ligase RNF146 isoform 1 | Q9NTX7 | RNF146 | 38.9 | 5.17 | 7 (13) |
| E3 ubiquitin-protein ligase RNF180 isoform 1 | Q86T96 | RNF180 | 68.2 | 8.89 | 9 (7) |
| E3 ubiquitin-protein ligase SH3RF2 isoform 1 | Q8TEC5 | SH3RF2 | 79.3 | 9.96 | 9 (6) |
| E3 UFM1-protein ligase 1 isoform 1 | O94874 | UFL1 | 89.5 | 6.35 | 8 (6) |
| F-box / LRR-repeat protein 4 isoform X3 | Q9UKA2  / XP\_011534050(\*) | FBXL4 | 43.4 | 6.46 | 7 (8) |
| Kelch-like protein 40 isoform 1 | Q2TBA0 | KLHL40 | 69.2 | 5.16 | 9 (6) |
| OTU domain-containing protein 1 | Q5VV17 | OTUD1 | 51.0 | 5.68 | 7 (5) |
| Probable ubiquitin carboxyl-terminal hydrolase MINDY-4 | Q4G0A6 | MINDY4 | 84.3 | 6.47 | 10 (4) |
| RanBP-type and C3HC4-type zinc finger-containing protein 1 isoform 1 | Q9BYM8 | RBCK1 | 57.5 | 5.47 | 6 (5) |
| RING finger and CHY zinc finger domain-containing protein 1 isoform 1 | Q96PM5 | RCHY1 | 30.1 | 6.26 | 6 (14) |
| Ubiquitin carboxyl-terminal hydrolase 5 isoform long | P45974 | USP5 | 95.7 | 4.91 | 8 (6) |
| Ubiquitin carboxyl-terminal hydrolase 30 | Q70CQ3 | USP30 | 58.5 | 8.57 | 5 (17) |
| Ubiquitin-conjugating enzyme E2 D2 isoform 1 | P62837 | UBE2D2 | 16.7 | 7.68 | 4 (8) |
| Ubiquitin-conjugating enzyme E2 D3 isoform 1 | P61077 | UBE2D3 | 16.7 | 7.67 | 5 (11) |
| Ubiquitin-conjugating enzyme E2 D4 | Q9Y2X8 | UBE2D4 | 16.6 | 6.88 | 4 (10) |
| Ubiquitin-conjugating enzyme E2 J1 | Q9Y385 | UBE2J1 | 35.2 | 6.26 | 5 (6) |
| Ubiquitin-conjugating enzyme E2 R1 | P49427 | CDC34 | 26.7 | 4.41 | 6 (6) |
| Ubiquitin-conjugating enzyme E2Q-like protein 1 | A1L167 | UBE2QL1 | 18.3 | 7.74 | 6 (11) |
| WD repeat-containing protein 48 isoform 1 | Q8TAF3 | WDR48 | 76.2 | 6.59 | 8 (5) |
| ***Vitamin metabolism enzymes*** | | | | | |
| Methylenetetrahydrofolate reductase isoform 1 | P42898 | MTHFR | 74.6 | 5.22 | 5 (15) |
| Monofunctional C1-tetrahydrofolate synthase isoform 1, mitochondrial | Q6UB35 | MTHFD1L | 105.7 | 8.32 | 7 (4) |
| Vitamin K epoxide reductase complex subunit 1 isoform 1 | Q9BQB6 | VKORC1 | 18.2 | 9.53 | 4 (9) |
| ***Lipid, steroid and fatty acid metabolism enzymes*** | | | | | |
| 1-acyl-sn-glycerol-3-phosphate acyltransferase gamma isoform 1 | Q9NRZ7 | AGPAT3 | 43.4 | 8.96 | 8 (13) |
| 3 beta-hydroxysteroid dehydrogenase / Delta 5-->4-isomerase type 2 isoform 1 | P26439 | HSD3B2 | 42.0 | 8.12 | 7 (4) |
| Bile salt sulfotransferase | Q06520 | SULT2A1 | 33.8 | 5.71 | 6(10) |
| Carbonyl reductase family member 4 isoform 1 | Q8N4T8 | CBR4 | 25.3 | 9.40 | 5 (8) |
| Carnitine O-palmitoyltransferase 1 isoform 1, muscle isoform | Q92523 | CPT1B | 87.7 | 8.86 | 6 (13) |
| cDNA FLJ32487 fis, clone SKNSH1000002, highly similar to Prostaglandin E synthase 2 | B3KPZ2  / BAG51854(\*) | N / A | 41.9 | 9.22 | 7 (12) |
| Ceramide synthase 3 | Q8IU89 | CERS3 | 46.3 | 7.64 | 5 (10) |
| Cytochrome P450 4V2 isoform 1 | Q6ZWL3 | CYP4V2 | 60.7 | 7.18 | 9 (6) |
| Cytochrome P450 11B1, mitochondrial, partial | P15538  / BAA01039(\*) | CYP11B1 | 3.3 | 11.54 | 4 (43) |
| 7-dehydrocholesterol reductase | Q9UBM7 | DHCR7 | 54.5 | 8.95 | 7 (9) |
| Dehydrodolichyl diphosphate synthase complex subunit DHDDS isoform 1 | Q86SQ9 | DHDDS | 38.6 | 8.56 | 7 (8) |
| Diacylglycerol O-acyltransferase 2 isoform 1 | Q96PD7 | DGAT2 | 43.8 | 9.46 | 7 (6) |
| Elongation of very long chain fatty acids protein 5 isoform 1 | Q9NYP7 | ELOVL5 | 35.3 | 9.49 | 6 (5) |
| Elongation of very long chain fatty acids protein 7, partial | A1L3X0  / CAB70777(\*) | ELOVL7 | 18.8 | 9.68 | 5 (6) |
| Geranylgeranyl pyrophosphate synthase isoform 1 | O95749 | GGPS1 | 34.8 | 5.78 | 5 (9) |
| Malonyl-CoA-acyl carrier protein transacylase isoform 1, mitochondrial | Q8IVS2 | MCAT | 42.9 | 8.97 | 6 (12) |
| Microsomal glutathione S-transferase 2 isoform 1 | Q99735 | MGST2 | 16.6 | 9.60 | 4 (6) |
| NADPH:adrenodoxin oxidoreductase isoform short, mitochondrial | P22570 | FDXR | 53.8 | 8.72 | 7 (7) |
| Nucleoside diphosphate-linked moiety X motif 19 | A8MXV4 | NUDT19 | 42.2 | 7.28 | 5 (10) |
| Phosphatidate phosphatase LPIN3 isoform 1 | Q9BQK8 | LPIN3 | 93.6 | 5.35 | 9 (3) |
| Phospholipase A and acyltransferase 3 | P53816 | PLAAT3 | 17.9 | 7.77 | 4 (11) |
| Prostaglandin E synthase 2 | Q9H7Z7 | PTGES2 | 41.9 | 9.22 | 9 (16) |
| Prostaglandin E synthase 2 isoform 2 | Q9H7Z7  / NP\_945176(\*) | PTGES2 | 21.3 | 6.23 | 7 (24) |
| Prostaglandin E synthase 2 isoform CRA\_b | EAW87742(\*) | PTGES2 | 42.1 | 9.22 | 7 (12) |
| Prostaglandin E synthase 2, partial | Q9H7Z7  / AAH09397(\*) | PTGES2 | 41.2 | 9.22 | 7 (12) |
| Prostaglandin E synthase 2, partial | Q9H7Z7  / AAH09456(\*) | PTGES2 | 41.8 | 9.22 | 7 (12) |
| Serine palmitoyltransferase 3 isoform X1 | Q9NUV7  / XP\_011527581(\*) | SPTLC3 | 58.6 | 9.23 | 9 (5) |
| Sphingosine-1-phosphate lyase 1 | O95470 | SGPL1 | 63.5 | 9.24 | 7 (3) |
| Steryl-sulfatase | P08842 | STS | 65.5 | 7.60 | 7 (8) |
| Tetratricopeptide repeat protein 7B isoform 1 | Q86TV6 | TTC7B | 94.1 | 6.43 | 12 (4) |
| Very-long-chain enoyl-CoA reductase isoform 1 | Q9NZ01 | TECR | 36.0 | 9.50 | 5 (12) |
| ***Nucleic acid base metabolism enzymes*** | | | | | |
| 3'(2').5'-bisphosphate nucleotidase 1 isoform 1 | O95861 | BPNT1 | 33.4 | 5.46 | 5 (7) |
| CTP synthase 1 isoform 1 | P17812 | CTPS1 | 66.7 | 6.02 | 9 (6) |
| Dihydropyrimidinase | Q14117 | DPYS | 56.6 | 6.81 | 11 (7) |
| Diphosphoinositol polyphosphate phosphohydrolase 3-alpha | Q8NFP7 | NUDT10 | 18.5 | 5.52 | 6 (18) |
| Diphosphoinositol polyphosphate phosphohydrolase 3-beta | Q96G61 | NUDT11 | 18.6 | 5.73 | 6 (18) |
| Guanosine-3' 5'-bis(diphosphate) 3'-pyrophosphohydrolase MESH1 isoform 1 | Q8N4P3 | HDDC3 | 20.3 | 6.24 | 5 (15) |
| O-acetyl-ADP-ribose deacetylase MACROD1 | Q9BQ69 | MACROD1 | 35.5 | 9.58 | 6 (14) |
| Putative inactive deoxyuridine 5'-triphosphate nucleotidohydrolase-like protein FLJ16323 | Q6ZN92 | N / A | 15.5 | 7.07 | 5 (22) |
| Ribose-phosphate pyrophosphokinase 1 isoform 1 | P60891 | PRPS1 | 34.8 | 6.51 | 6 (9) |
| Thymidine kinase 2 isoform 1, mitochondrial | O00142 | TK2 | 31.0 | 8.71 | 6 (7) |
| ***Carbohydrate metabolism enzymes*** | | | | | |
| Beta-enolase isoform 1 | P13929 | ENO3 | 47.0 | 7.59 | 8 (7) |
| Chondroitin sulfate N-acetylgalactosaminyltransferase 2 isoform 1 | Q8N6G5 | CSGALNACT2 | 62.5 | 5.50 | 8 (9) |
| EPM2A-interacting protein 1 | Q7L775 | EPM2AIP1 | 70.3 | 5.77 | 15 (8) |
| Gamma-enolase isoform 1 | P09104 | ENO2 | 47.2 | 4.91 | 6 (10) |
| Glycogen phosphorylase isoform 1, liver form | P06737 | PYGL | 97.1 | 6.71 | 9 (7) |
| Glycogen phosphorylase isoform 1, liver form, partial | P06737  / AAA35906(\*) | PYGL | 41.5 | 8.20 | 6 (12) |
| Inter-alpha-trypsin inhibitor heavy chain H2 | P19823 | ITIH2 | 106.4 | 6.40 | 8 (4) |
| L-lactate dehydrogenase A-like 6A | Q6ZMR3 | LDHAL6A | 36.5 | 6.51 | 5 (9) |
| L-lactate dehydrogenase B chain | P07195 | LDHB | 36.6 | 5.71 | 5 (10) |
| N-acetylglucosamine-1-phosphate transferase subunit gamma isoform CRA\_a, partial | EAW85666(\*) | GNPTG | 9.4 | 5.46 | 5 (19) |
| Neutral alpha-glucosidase C | Q8TET4 | GANC | 104.3 | 5.82 | 10 (6) |
| Phosphoenolpyruvate carboxykinase isoform 1, cytosolic [GTP] | P35558 | PCK1 | 69.2 | 5.80 | 8 (7) |
| Protein phosphatase inhibitor 2 family member B | Q6NXS1 | PPP1R2B | 23.1 | 4.77 | 5 (7) |
| Sialidase-1 | Q99519 | NEU1 | 45.4 | 5.58 | 7 (12) |
| ***Mineral metabolism enzymes*** | | | | | |
| Calbindin isoform 1 | P05937 | CALB1 | 30.0 | 4.70 | 6 (17) |
| Metalloreductase STEAP2 isoform 1 | Q8NFT2 | STEAP2 | 56.0 | 9.28 | 7 (8) |
| Metallothionein-4 | P47944 | MT4 | 6.5 | 8.26 | 5 (38) |
| ***Energy metabolism enzymes*** | | | | | |
| Alcohol dehydrogenase 6 isoform 1 | P28332 | ADH6 | 39.1 | 8.05 | 5 (10) |
| Alcohol dehydrogenase class 4 mu / sigma chain isoform 1 | P40394 | ADH7 | 41.5 | 8.12 | 10 (19) |
| Aldehyde dehydrogenase family 3 member B1 isoform 1 | P43353 | ALDH3B1 | 51.8 | 7.55 | 6 (9) |
| Aldehyde dehydrogenase family 16 member A1 isoform 1 | Q8IZ83 | ALDH16A1 | 85.1 | 6.35 | 8 (4) |
| Creatine kinase M-type | P06732 | CKM | 43.1 | 6.77 | 8 (10) |
| Creatine kinase U-type isoform 1, mitochondrial | P12532 | CKMT1A | 47.0 | 8.60 | 9 (6) |
| Electron transfer flavoprotein regulatory factor 1 | Q6IPR1 | ETFRF1 | 10.9 | 9.92 | 6 (36) |
| Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial | P11182 | DBT | 53.5 | 8.71 | 8 (7) |
| Mpv17-like protein isoform 1 | Q2QL34 | MPV17L | 22.1 | 9.92 | 5 (11) |
| NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 6 isoform 1 | O95139 | NDUFB6 | 15.5 | 9.63 | 6 (14) |
| NAD kinase isoform 1 | O95544 | NADK | 49.2 | 6.03 | 6 (10) |
| Pyruvate carboxylase, mitochondrial, partial | P11498  / AAA36423(\*) | PC | 10.4 | 8.78 | 5 (30) |
| Ubiquinol-cytochrome-c reductase complex assembly factor 2 | Q9BRT2 | UQCC2 | 14.9 | 6.85 | 9 (23) |
| Ubiquinone biosynthesis O-methyltransferase, mitochondrial | Q9NZJ6 | COQ3 | 41.0 | 7.10 | 5 (10) |
| ***Other intermediate metabolism enzymes*** | | | | | |
| Alkaline phosphatase, placental type | P05187 | ALPP | 57.9 | 5.87 | 7 (6) |
| Alkaline phosphatase, germ cell type | P10696 | ALPG | 57.3 | 5.90 | 8 (8) |
| Hydroxyacylglutathione hydrolase-like protein isoform 1 | Q6PII5 | HAGHL | 31.5 | 8.57 | 5 (13) |
| Pantothenate kinase 1 isoform 1 | Q8TE04 | PANK1 | 64.3 | 7.51 | 7 (6) |
| Pantothenate kinase 3 | Q9H999 | PANK3 | 41.1 | 6.13 | 7 (10) |
| Propionyl-CoA carboxylase alpha chain isoform 1, mitochondrial | P05165 | PCCA | 80.0 | 7.24 | 8 (6) |
| Protein-L-isoaspartate O-methyltransferase domain-containing protein 1 isoform 1 | Q96MG8 | PCMTD1 | 40.7 | 5.46 | 6 (9) |
| Protein phosphatase 1 regulatory subunit 42 isoform 1 | Q7Z4L9 | PPP1R42 | 35.5 | 8.79 | 7 (12) |
| Putative cytosolic acyl coenzyme A thioester hydrolase-like | Q6ZUV0 | ACOT7L | 28.1 | 6.71 | 5 (7) |
| Putative N-acetylated-alpha-linked acidic dipeptidase | Q9HBA9 | FOLH1B | 50.0 | 6.54 | 7 (6) |
| Thiosulfate sulfurtransferase | Q16762 | TST | 33.4 | 6.77 | 5 (12) |
| ***Membrane microdomain proteins*** | | | | | |
| Flotillin-1 isoform 1 | O75955 | FLOT1 | 47.0 | 7.08 | 7 (8) |
| Signal peptide peptidase-like 2B isoform CRA\_b | EAW69384(\*) | SPPL2B | 35.3 | 8.95 | 6 (7) |
| Tetraspanin-32 isoform 1 | Q96QS1 | TSPAN32 | 34.6 | 8.81 | 6 (10) |
| Transmembrane 9 superfamily member 3 | Q9HD45 | TM9SF3 | 67.8 | 6.83 | 8 (6) |
| ***Receptors (membrane, cytoplasmic, nuclear)*** | | | | | |
| C-C chemokine receptor type 2 isoform a | P41597 | CCR2 | 41.9 | 9.24 | 7 (6) |
| C-C chemokine receptor type 3, partial | Q8TDP7  / AAL85629(\*) | CCR3 | 7.8 | 6.02 | 4 (17) |
| C-C chemokine receptor type 7 | P32248 | CCR7 | 42.9 | 8.83 | 8 (9) |
| Сytoskeleton-associated protein 4 isoform CRA\_a | EAW97770(\*) | CKAP4 | 45.7 | 6.04 | 7 (4) |
| Ephrin type-A receptor 8 isoform 1 | P29322 | EPHA8 | 111.0 | 8.42 | 9 (5) |
| ER lumen protein-retaining receptor 3 isoform 1 | O43731 | KDELR3 | 25.0 | 9.07 | 7 (8) |
| Gamma-aminobutyric acid receptor subunit beta-1 isoform 1 | P18505 | GABRB1 | 54.2 | 8.88 | 9 (7) |
| Gamma-aminobutyric acid A receptor beta 2, partial | D1M715  / ACY71653(\*) | GABRB2 | 9.3 | 9.61 | 5 (27) |
| Gamma-aminobutyric acid receptor subunit beta-2 isoform 1 | P47870 | GABRB2 | 59.1 | 9.39 | 7 (5) |
| Gamma-aminobutyric acid receptor subunit rho-1 isoform 1 | P24046 | GABRR1 | 55.8 | 8.71 | 8 (10) |
| Gamma-aminobutyric acid receptor subunit rho-1 | P24046  / BAG58870(\*) | GABRR1 | 53.7 | 8.23 | 8 (9) |
| Gamma-aminobutyric acid receptor subunit rho-1 isoform a precursor | P24046  / NP\_002033(\*) | GABRR1 | 55.8 | 8.71 | 8 (9) |
| Gamma-aminobutyric acid receptor subunit rho-1 isoform c | P24046  / NP\_001243633(\*) | GABRR1 | 45.5 | 7.01 | 8 (11) |
| Gamma-aminobutyric acid receptor subunit rho-2 isoform 1 | P28476 | GABRR2 | 54.1 | 9.27 | 11 (14) |
| Gamma-aminobutyric acid receptor subunit rho-2 isoform X1 | XP\_011534015(\*) | GABRR2 | 48.9 | 8.48 | 8 (10) |
| Gamma-aminobutyric acid receptor subunit rho-2 isoform X2 | XP\_011534016(\*) | GABRR2 | 42.7 | 9.14 | 7 (10) |
| Gamma-aminobutyric acid receptor subunit rho-2 precursor | P28476  / NP\_002034(\*) | GABRR2 | 54.1 | 9.27 | 8 (9) |
| Gamma-aminobutyric acid receptor subunit rho-3 | A8MPY1 | GABRR3 | 54.2 | 8.33 | 7 (4) |
| General receptor for phosphoinositides 1-associated scaffold protein isoform 1 | Q7Z6J2 | GRASP | 42.6 | 9.01 | 8 (12) |
| Glycine receptor subunit alpha-2 isoform alpha-2(\*) | P23416 | GLRA2 | 52.0 | 9.06 | 8 (6) |
| G-protein coupled receptor 42 | O15529 | GPR42 | 38.7 | 7.55 | 6 (28) |
| Integrin alpha-6, partial | P23229  / AAB20355(\*) | ITGA6 | 19.3 | 9.56 | 7 (16) |
| Integrin alpha-6, partial | P23229  / ABH11650(\*) | ITGA6 | 15.3 | 9.00 | 7 (20) |
| Integrin alpha-V isoform 1 | P06756 | ITGAV | 116.0 | 5.45 | 8 (3) |
| Interleukin-15 receptor subunit alpha isoform 1 | Q13261 | IL15RA | 28.2 | 8.64 | 6 (8) |
| Low affinity immunoglobulin gamma Fc region receptor III-A | P08637 | FCGR3A | 29.1 | 8.20 | 5 (11) |
| Low-density lipoprotein receptor-related protein 1B | Q9NZR2 | LRP1B | 515.2 | 5.09 | 13 (5) |
| Macrophage mannose receptor 1 | P22897  / AAI42643(\*) | MRC1 | 56.6 | 6.34 | 9 (7) |
| Melatonin receptor type 1A | P48039 | MTNR1A | 39.3 | 9.55 | 6 (8) |
| Membrane-associated progesterone receptor component 2 isoform 1 | O15173 | PGRMC2 | 23.8 | 4.76 | 5 (18) |
| Olfactory receptor 2G6 | Q5TZ20 | OR2G6 | 34.9 | 8.85 | 5 (4) |
| Olfactory receptor 51A2 | Q8NGJ7 | OR51A2 | 35.1 | 9.06 | 5 (8) |
| Olfactory receptor 6M1 | Q8NGM8 | OR6M1 | 35.3 | 8.54 | 6 (8) |
| 2-oxoglutarate receptor 1 | Q96P68 | OXGR1 | 38.2 | 8.54 | 6 (7) |
| Peroxisome proliferator-activated receptor alpha isoform 1 | Q07869 | PPARA | 52.2 | 5.86 | 9 (8) |
| Peroxisome proliferator-activated receptor gamma isoform 2 | P37231 | PPARG | 57.6 | 5.61 | 7 (8) |
| Plexin-A4 isoform 1 | Q9HCM2 | PLXNA4 | 212.3 | 6.42 | 14 (4) |
| Prostaglandin E2 receptor EP4 subtype isoform X2 | XP\_016865146(\*) | PTGER4 | 35.7 | 9.70 | 7 (9) |
| Prostaglandin E2 receptor EP4 subtype isoform X3 | XP\_016865147(\*) | PTGER4 | 35.8 | 9.08 | 7 (9) |
| Prostaglandin E2 receptor EP4 subtype isoform X4 | XP\_016865148(\*) | PTGER4 | 34.2 | 9.54 | 7 (10) |
| Prostaglandin E2 receptor EP4 subtype isoform CRA\_a, partial | EAW55996(\*) | PTGER4 | 33.6 | 9.50 | 7 (10) |
| Putative olfactory receptor 2I1 | Q8NGU4 | OR2I1P | 34.1 | 9.61 | 5 (6) |
| P2Y purinoceptor 6 | Q15077 | P2RY6 | 36.4 | 9.61 | 5 (7) |
| Retinoic acid receptor RXR-alpha isoform 1 | P19793 | RXRA | 50.8 | 7.92 | 7 (4) |
| Roundabout homolog 1, partial | Q9Y6N7  / AAH01969(\*) | ROBO1 | 53.9 | 5.39 | 8 (6) |
| Scavenger receptor class B member 1 isoform 3 | Q8WTV0 | SCARB1 | 60.8 | 8.55 | 8 (8) |
| Scavenger receptor cysteine-rich type 1 protein M130 isoform 1 | Q86VB7 | CD163 | 125.4 | 5.61 | 9 (3) |
| Signaling lymphocytic activation molecule isoform a precursor | Q13291  / NP\_001317683(\*) | SLAMF1 | 40.3 | 9.71 | 7 (8) |
| Sphingosine 1-phosphate receptor 1 | P21453  / NP\_001391(\*) | S1PR1 | 42.8 | 9.59 | 7 (6) |
| Sphingosine 1-phosphate receptor 1, partial | P21453  / AAK01993(\*) | S1PR1 | 36.7 | 9.72 | 7 (7) |
| Taste receptor type 2 member 40 | P59535 | TAS2R40 | 36.8 | 9.95 | 5( 8) |
| T-cell receptor, partial | AAA02733(\*) | N / A | 3.5 | 9.62 | 4 (61) |
| T-cell receptor alpha chain variable region, partial | ANO55311(\*) | TRAV | 7.8 | 10.13 | 8 (33) |
| T-cell receptor beta chain VJ region, partial | CAC34198(\*) | TCR beta | 11.4 | 5.09 | 5 (22) |
| T-cell receptor beta chain {clone Pt6 beta3.1a 1.1} [human, rheumatoid synovial tissue, Peptide Partial, 57 aa] | AAB27284(\*) | TCR beta | 6.3 | 5.15 | 4 (22) |
| Thyroid hormone receptor alpha 1, partial | A0A0R5RI36  / AIW04479(\*) | THRA | 9.7 | 6.56 | 6 (31) |
| Thyroid hormone receptor alpha 1, partial | A0A0R5RI44  / AIW04480(\*) | THRA | 9.8 | 6.64 | 6 (31) |
| Thyroid hormone receptor alpha 1, partial | A0A0R5RI63  / AIW04481(\*) | THRA | 9.7 | 6.64 | 6 (31) |
| Thyroid hormone receptor alpha 1, partial | A0A0R5RI47  / AIW04482(\*) | THRA | 9.7 | 6.64 | 6 (31) |
| Thyroid hormone receptor alpha 1, partial | A0A0R5RI31  / AIW04483(\*) | THRA | 9.7 | 6.64 | 6 (31) |
| Transferrin receptor protein 1 | P02786 | TFRC | 84.8 | 6.18 | 9 (5) |
| Trem-like transcript 2 protein | Q5T2D2 | TREML2 | 35.1 | 9.68 | 5 (11) |
| Triiodothyronine receptor, partial | Q6LDR0  / AAA52334(\*) | N / A | 9.0 | 6.30 | 6 (29) |
| ***Hormones*** | | | | | |
| ADM | P35318 | ADM | 20.4 | 10.84 | 8 (18) |
| Gastrin-releasing peptide isoform 1 | P07492 | GRP | 16.2 | 10.22 | 6 (12) |
| Endothelin-1 | P05305 | EDN1 | 24.4 | 9.52 | 6 (9) |
| Erythropoietin | P01588 | EPO | 21.3 | 8.30 | 5 (16) |
| Neuropeptide S | P0C0P6 | NPS | 10.1 | 10.30 | 5 (25) |
| Relaxin-3 | Q8WXF3 | RLN3 | 15.4 | 5.41 | 6 (16) |
| Relaxin-3 precursor | Q8WXF3  / NP\_543140(\*) | RLN3 | 15.4 | 5.41 | 6 (16) |
| VIP peptides isoform 1 | P01282 | VIP | 19.2 | 6.15 | 7 (21) |
| ***Intracellular signaling proteins*** | | | | | |
| Adenylate cyclase type 1 | Q08828 | ADCY1 | 123.4 | 8.77 | 10 (5) |
| Adenylate cyclase type 10 isoform 1 | Q96PN6 | ADCY10 | 187.0 | 6.98 | 13 (4) |
| Amyloid-like protein 1 isoform 1 | P51693 | APLP1 | 72.1 | 5.54 | 8 (6) |
| APC membrane recruitment protein 3 | Q8N944 | AMER3 | 90.4 | 5.48 | 7 (6) |
| Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2 | Q15057 | ACAP2 | 88.0 | 6.38 | 8 (7) |
| ARHE protein | Q6FGR9  / CAG46835(\*) | ARHE | 25.7 | 7.51 | 11 (9) |
| ARHE protein, partial | Q4ZFY0  / AAX88953(\*) | ARHE | 14.2 | 9.48 | 11 (16) |
| Calcium / calmodulin-dependent protein kinase type II subunit delta isoform 21 | NP\_001308510(\*) | CAMK2D | 51.1 | 6.26 | 8 (5) |
| Calcium / calmodulin-dependent protein kinase type II subunit delta isoform X9 | XP\_016864164(\*) | CAMK2D | 55.5 | 6.45 | 8 (5) |
| cAMP-dependent protein kinase type I-alpha regulatory subunit isoform 1 | P10644 | PRKAR1A | 43.0 | 5.27 | 7 (9) |
| cDNA FLJ51074, highly similar to Rho-related GTP-binding protein RhoE | B4DSG7  / BAG61629(\*) | N / A | 11.9 | 9.55 | 8 (17) |
| cDNA FLJ54824, highly similar to Homo sapiens ral guanine nucleotide dissociation stimulator-like 3 (RGL3), mRNA | B4DE00  / BAG56911(\*) | N / A | 29.2 | 11.38 | 10 (10) |
| cDNA FLJ58783, highly similar to Diacylglycerol kinase alpha | B4E0C6  / BAG64388(\*) | N / A | 42.0 | 7.08 | 8 (12) |
| cDNA FLJ59944, highly similar to Homo sapiens ral guanine nucleotide dissociation stimulator-like 3 (RGL3), mRNA | B4DPC9  / BAG60541(\*) | N / A | 18.3 | 10.12 | 11 (19) |
| cDNA FLJ93726, highly similar to Homo sapiens ras homolog gene family, member E (ARHE), mRNA | B2R838  / BAG36035(\*) | N / A | 27.3 | 8.78 | 14 (13) |
| cGMP-dependent protein kinase 2 isoform X3 | XP\_016863906(\*) | PRKG2 | 86.0 | 8.71 | 10 (8) |
| DENN domain-containing protein 1C isoform 1 | Q8IV53 | DENND1C | 87.0 | 5.46 | 14 (11) |
| DENN domain-containing protein 5B isoform 1 | Q6ZUT9 | DENND5B | 145.0 | 6.29 | 9 (4) |
| Diacylglycerol kinase alpha isoform 1 | P23743 | DGKA | 82.6 | 6.28 | 10 (8) |
| Diacylglycerol kinase alpha, partial | P23743  / AAC34804(\*) | DGKA | 64.1 | 6.05 | 9 (10) |
| Dual specificity mitogen-activated protein kinase kinase 6 isoform 1 | P52564 | MAP2K6 | 37.5 | 7.01 | 6 (5) |
| Dual specificity protein phosphatase 3 isoform 1 | P51452 | DUSP3 | 20.5 | 7.66 | 4 (21) |
| G kinase-anchoring protein 1 isoform 1 | Q5VSY0 | GKAP1 | 42.1 | 8.89 | 9 (13) |
| GTPase IMAP family member 7 | Q8NHV1 | GIMAP7 | 34.5 | 6.10 | 8 (10) |
| GTPase KRas isoform 2A | P01116 | KRAS | 21.6 | 6.33 | 5 (15) |
| GTP-binding protein Di-Ras3 | O95661 | DIRAS3 | 25.9 | 9.46 | 6 (12) |
| GTP-binding protein REM 1 | O75628 | REM1 | 32.9 | 9.02 | 5 (11) |
| Guanine nucleotide-binding protein subunit alpha-11 | P29992 | GNA11 | 42.1 | 5.51 | 8 (11) |
| Integrin-linked kinase-associated serine / threonine phosphatase 2C | Q9H0C8 | ILKAP | 42.9 | 6.69 | 9 (6) |
| Leucine-rich repeat-containing protein 30 | A6NM36 | LRRC30 | 34.0 | 9.48 | 5 (6) |
| MOB kinase activator 3B | Q86TA1 | MOB3B | 25.4 | 8.72 | 6 (12) |
| Multiple C2 and transmembrane domain-containing protein 1 isoform 1 | Q6DN14 | MCTP1 | 111.6 | 8.39 | 12 (7) |
| Palmitoleoyl-protein carboxylesterase NOTUM | Q6P988 | NOTUM | 55.7 | 7.52 | 7 (4) |
| Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha isoform 1 | P48426 | PIP4K2A | 46.2 | 6.50 | 7 (10) |
| Prickle-like protein 2 isoform 1 | Q7Z3G6 | PRICKLE2 | 95.6 | 7.12 | 19 (14) |
| Prickle-like protein 2 isoform X3 | XP\_011531736(\*) | PRICKLE2 | 105.3 | 8.00 | 11 (6) |
| Prickle-like protein 2 isoform X4 | XP\_011531737(\*) | PRICKLE2 | 101.9 | 8.09 | 11 (7) |
| Prickle-like protein 2 isoform X5 | XP\_011531738(\*) | PRICKLE2 | 98.9 | 6.99 | 10 (6) |
| Prickle-like protein 2 isoform X7 | XP\_011531740(\*) | PRICKLE2 | 85.3 | 7.85 | 11 (8) |
| Prickle-like protein 2 isoform X8 | XP\_016861288(\*) | PRICKLE2 | 81.1 | 7.68 | 10 (8) |
| Protein kinase C alpha type | P17252 | PRKCA | 76.7 | 6.61 | 10 (10) |
| Protein Wnt-7b | P56706 | WNT7B | 39.3 | 9.11 | 8 (8) |
| Protein Wnt-10a | Q9GZT5 | WNT10A | 46.4 | 9.38 | 9 (12) |
| Protein Wnt-16 isoform Wnt-16b | Q9UBV4 | WNT16 | 40.7 | 8.97 | 8 (10) |
| Proto-oncogene vav isoform 1 | P15498 | VAV1 | 98.3 | 6.20 | 14 (12) |
| Ral guanine nucleotide dissociation stimulator-like 1 isoform X2 | XP\_011507643(\*) | RGL1 | 81.5 | 5.57 | 9 (4) |
| Ral guanine nucleotide dissociation stimulator-like 3 isoform 1 | Q3MIN7  / NP\_001030300(\*) | RGL3 | 78.1 | 7.62 | 10 (4) |
| Ral guanine nucleotide dissociation stimulator-like 3 isoform 2 | Q3MIN7  / NP\_001155088(\*) | RGL3 | 78.7 | 7.59 | 10 (4) |
| Ral guanine nucleotide dissociation stimulator-like 3 isoform CRA\_b | EAW84210(\*) | RGL3 | 74.1 | 8.35 | 10 (5) |
| Ral guanine nucleotide dissociation stimulator-like 3 isoform CRA\_c | EAW84211(\*) | RGL3 | 78.6 | 8.05 | 10 (4) |
| RAS guanyl-releasing protein 1 isoform 1 | O95267 | RASGRP1 | 90.3 | 8.20 | 16 (10) |
| Regulator of G-protein signaling 9 isoform 1 | O75916 | RGS9 | 76.9 | 9.42 | 10 (9) |
| Rho family GTPase 3 isoform CRA\_b | D3DP96  / EAX11525(\*) | RND3 | 27.1 | 8.66 | 11 (12) |
| Rho GTPase-activating protein 8 isoform 1 | P85298 | ARHGAP8 | 53.5 | 9.45 | 8 (11) |
| Rho GTPase-activating protein 12 isoform 1 | Q8IWW6 | ARHGAP12 | 96.2 | 7.29 | 15 (12) |
| Rho GTPase-activating protein 44 isoform 1 | Q17R89 | ARHGAP44 | 89.2 | 6.13 | 8 (6) |
| Rho guanine nucleotide exchange factor 2 isoform 1 | ARHG2 | ARHGEF2 | 111.5 | 6.89 | 14 (7) |
| Rho guanine nucleotide exchange factor 16 isoform 1 | Q5VV41 | ARHGEF16 | 80.1 | 6.90 | 8 (5) |
| Rho-related BTB domain-containing protein 1 | O94844 | RHOBTB1 | 79.4 | 6.42 | 10 (8) |
| Rho-related BTB domain-containing protein 2 isoform 1 | Q9BYZ6 | RHOBTB2 | 82.6 | 6.27 | 8 (6) |
| Rho-related GTP-binding protein RhoC | P08134 | RHOC | 22.0 | 6.20 | 7 (12) |
| Rho-related GTP-binding protein RhoE | P61587 | RND3 | 27.4 | 8.78 | 14 (13) |
| Rho-related GTP-binding protein RhoE precursor | P61587  / NP\_005159(\*) | RND3 | 27.4 | 8.78 | 14 (13) |
| Rho-related GTP-binding protein RhoV | Q96L33 | RHOV | 26.2 | 8.36 | 12 (8) |
| Rod cGMP-specific 3' 5'-cyclic phosphodiesterase subunit alpha isoform 1 | P16499 | PDE6A | 99.5 | 5.48 | 16 (11) |
| Rod cGMP-specific 3' 5'-cyclic phosphodiesterase subunit alpha isoform X3 | XP\_011535953(\*) | PDE6A | 59.4 | 5.47 | 6 (5) |
| Sclerostin domain-containing protein 1 isoform 1 | Q6X4U4 | SOSTDC1 | 23.3 | 9.81 | 6 (6) |
| Serine / threonine-protein kinase pim-1 isoform 1 | P11309 | PIM1 | 35.7 | 5.72 | 4 (15) |
| Serine / threonine-protein kinase pim-1 isoform 2 | P11309 | PIM1 | 45.4 | 6.51 | 7 (9) |
| Spermatogenesis-associated protein 17 | Q96L03 | SPATA17 | 43.5 | 9.87 | 10 (13) |
| StAR-related lipid transfer protein 8 isoform 1 | Q92502 | STARD8 | 112.5 | 5.87 | 9 (5) |
| Target of rapamycin complex 2 subunit MAPKAP1 isoform 1 | Q9BPZ7 | MAPKAP1 | 59.1 | 7.24 | 10 (9) |
| TBC1 domain family member 12 | O60347 | TBC1D12 | 85.6 | 5.56 | 8 (5) |
| TBC1 domain family member 30 isoform 1 | Q9Y2I9 | TBC1D30 | 102.7 | 8.57 | 10 (12) |
| T-cell activation Rho GTPase-activating protein isoform 1 | Q8N103 | TAGAP | 80.7 | 6.04 | 9 (6) |
| TRAF3-interacting JNK-activating modulator isoform 1 | Q9Y228 | TRAF3IP3 | 63.6 | 8.79 | 9 (8) |
| Tyrosine-protein kinase Blk | P51451 | BLK | 57.7 | 7.98 | 7 (14) |
| Tyrosine-protein phosphatase non-receptor type 7 isoform 1 | P35236 | PTN7 | 40.5 | 6.33 | 6 (8) |
| Ubiquitin-associated and SH3 domain-containing protein B | Q8TF42 | UBASH3B | 72.6 | 6.48 | 7 (8) |
| Zinc finger protein ZPR1 | O75312 | ZPR1 | 50.9 | 4.66 | 7 (9) |
| ***Ion channels. Ion channel regulators*** | | | | | |
| Anoctamin-2 isoform 1 | Q9NQ90 | ANO2 | 113.9 | 6.12 | 9 (6) |
| Calcineurin B homologous protein 3 isoform 1 | Q96BS2 | TESC | 24.7 | 4.84 | 5 (12) |
| Calcium uptake protein 2, mitochondrial | Q8IYU8 | MICU2 | 49.6 | 9.17 | 7 (5) |
| GTP-binding protein RAD | P55042 | RRAD | 33.2 | 9.06 | 6 (13) |
| Inward rectifier potassium channel 4 | P48050 | KCNJ4 | 49.5 | 5.82 | 6 (4) |
| Junctophilin-4 | Q96JJ6 | JPH4 | 65.8 | 6.39 | 11 (10) |
| Kv channel-interacting protein 4 isoform 1 | Q6PIL6 | KCNIP4 | 28.7 | 5.12 | 6 (7) |
| Polycystic kidney disease 2-like 2 protein isoform 1 | Q9NZM6  / NP\_055201(\*) | PKD2L2 | 72.4 | 9.11 | 11 (5) |
| Polycystic kidney disease 2-like 2 protein isoform 2 | Q9NZM6  / NP\_001245377(\*) | PKD2L2 | 71.2 | 9.03 | 10 (4) |
| Polycystic kidney disease 2-like 2 protein isoform 4 | Q9NZM6  / NP\_001287850(\*) | PKD2L2 | 73.7 | 9.00 | 10 (4) |
| Polycystic kidney disease 2-like 2 protein isoform X1 | XP\_016864832(\*) | PKD2L2 | 70.7 | 9.16 | 10 (4) |
| Polycystic kidney disease 2-like 2 protein isoform X4 | XP\_016864834(\*) | PKD2L2 | 65.0 | 8.59 | 10 (5) |
| Polycystic kidney disease 2-like 2 isoform CRA\_b | EAW62175(\*) | PKD2L2 | 72.4 | 9.11 | 11 (5) |
| Polycystic kidney disease 2-like 2 isoform CRA\_c, partial | EAW62176(\*) | PKD2L2 | 73.7 | 9.00 | 10 (4) |
| Potassium voltage-gated channel subfamily V member 1 | Q6PIU1 | KCNV1 | 56.3 | 5.75 | 7 (4) |
| Proton-activated chloride channel isoform 1 | Q9H813 | PACC1 | 40.0 | 9.01 | 6 (11) |
| Sodium channel subunit beta-2 | O60939 | SCN2B | 24.3 | 5.98 | 5 (12) |
| Sodium / potassium-transporting ATPase subunit alpha-3 isoform 1 | P13637 | ATP1A3 | 111.7 | 5.22 | 8 (4) |
| Transient receptor potential cation channel subfamily A member 1 | O75762 | TRPA1 | 127.4 | 6.69 | 11 (5) |
| Transmembrane channel-like protein 5 isoform 1 | Q6UXY8 | TMC5 | 114.7 | 8.46 | 9 (5) |
| Voltage-dependent calcium channel subunit alpha-2 / delta-2 isoform 1 | Q9NY47 | CACNA2D2 | 129.8 | 5.54 | 17 (7) |
| Voltage-dependent calcium channel subunit alpha-2 / delta-2 isoform 4 | Q9NY47  / NP\_001278030(\*) | CACNA2D2 | 122.0 | 5.22 | 10 (4) |
| Voltage-dependent calcium channel gamma-8 subunit | Q8WXS5 | CACNG8 | 43.3 | 9.34 | 8 (7) |
| Volume-regulated anion channel subunit LRRC8D | Q7L1W4 | LRRC8D | 98.1 | 7.76 | 8 (7) |
| ***Transport proteins. Transport regulatory proteins*** | | | | | |
| ADP / ATP translocase 3 | P12236 | SLC25A6 | 32.8 | 9.76 | 6 (11) |
| ADP-ribosylation factor 1 isoform 1 | P84077 | ARF1 | 20.7 | 6.32 | 8 (24) |
| ADP-ribosylation factor 1, isoform CRA\_b | P84077  / EAW69833(\*) | ARF1 | 13.6 | 9.86 | 5 (26) |
| ADP-ribosylation factor 1, isoform CRA\_c | P84077  / EAW69835(\*) | ARF1 | 13.1 | 10.00 | 6 (25) |
| ADP-ribosylation factor 3 isoform 1 | P61204 | ARF3 | 20.6 | 6.84 | 5 (18) |
| ADP-ribosylation factor 4 | P18085 | ARF4 | 20.5 | 6.59 | 5 (17) |
| Afamin | P43652 | AFM | 69.0 | 5.64 | 8 (7) |
| AKT-interacting protein isoform 1 | Q9H8T0 | AKTIP | 33.1 | 9.34 | 5 (11) |
| Alpha-soluble NSF attachment protein | P54920 | NAPA | 33.2 | 5.23 | 5 (11) |
| Anoctamin-9, partial | A1A5B4  / BAB84914(\*) | ANO9 | 63.8 | 9.32 | 16 (8) |
| AP-5 complex subunit sigma-1 | Q9NUS5 | AP5S1 | 22.5 | 6.38 | 4 (17) |
| ATPase ASNA1 | O43681 | ASNA1 | 38.8 | 4.81 | 5 (6) |
| Calcineurin B homologous protein 1 | Q99653 | CHP1 | 22.4 | 4.98 | 8 (15) |
| cDNA FLJ51215, highly similar to ADP-ribosylation factor 1 | B4DJC8  / BAG58790(\*) | N / A | 17.9 | 8.69 | 6 (25) |
| cDNA FLJ51902, highly similar to ADP-ribosylation factor 1 | B4DN70  / BAG60132(\*) | N / A | 19.4 | 8.67 | 6 (22) |
| cDNA FLJ57686, highly similar to Vesicle-associated membrane protein 1 | B4DZX9  / BAG64241(\*) | N / A | 15.9 | 8.98 | 7 (23) |
| cDNA FLJ61099, highly similar to ADP-ribosylation factor 1 | B4DEB9  / BAG57030(\*) | N / A | 19.6 | 8.99 | 6 (22) |
| GTP-binding protein SAR1a isoform 1 | Q9NR31 | SAR1A | 22.4 | 6.21 | 5 (13) |
| Lebercilin-like protein | O95447 | LCA5L | 76.5 | 9.51 | 12 (10) |
| Microsomal triglyceride transfer protein large subunit isoform 1 | P55157 | MTTP | 99.3 | 8.61 | 10 (7) |
| Mitochondrial folate transporter / carrier | Q9H2D1 | SLC25A32 | 35.4 | 9.49 | 6 (20) |
| Mitochondrial 2-oxoglutarate / malate carrier protein isoform 1 | Q02978 | SLC25A11 | 34.0 | 9.92 | 6 (10) |
| Nascent polypeptide-associated complex subunit alpha-2 isoform 1 | Q9H009 | NACA2 | 23.2 | 4.68 | 6 (9) |
| N-terminal kinase-like protein isoform 1 | Q96KG9 | SCYL1 | 89.6 | 5.94 | 8 (4) |
| Nuclear RNA export factor 3 isoform 1 | Q9H4D5 | NXF3 | 60.1 | 6.29 | 8 (6) |
| Rab11 family-interacting protein 2 isoform 1 | Q7L804 | RAB11FIP2 | 58.2 | 9.33 | 10 (11) |
| RILP-like protein 2 | Q969X0 | RILPL2 | 24.0 | 4.95 | 6 (16) |
| Solute carrier family 13 member 1 | Q9BZW2 | SLC13A1 | 66.1 | 8.35 | 6 (7) |
| Solute carrier family 22 member 7 isoform 1 | Q9Y694 | SLC22A7 | 60.0 | 6.57 | 8 (8) |
| Sorting nexin-1 isoform 1 | Q13596 | SNX1 | 59.0 | 5.08 | 6 (10) |
| Sorting nexin-4 isoform 1 | O95219 | SNX4 | 51.9 | 5.69 | 6 (10) |
| Sorting nexin-6 isoform 1 | Q9UNH7 | SNX6 | 46.6 | 5.81 | 6 (4) |
| Stress-associated endoplasmic reticulum protein 1 | Q9Y6X1 | SERP1 | 7.4 | 11.01 | 4 (13) |
| Tricarboxylate transport protein, mitochondrial | P53007 | SLC25A1 | 34.0 | 9.91 | 10 (20) |
| t-SNARE domain-containing protein 1 isoform 1 | Q96NA8 | TSNARE1 | 55.9 | 9.23 | 6 (12) |
| UAP56-interacting factor isoform 1 | Q96QD9 | FYTTD1 | 35.8 | 11.78 | 7 (13) |
| Vacuolar protein sorting-associated protein 52 homolog isoform 1 | Q8N1B4 | VPS52 | 82.2 | 5.70 | 8 (5) |
| Vacuolar-sorting protein SNF8 isoform 1 | Q96H20 | SNF8 | 28.8 | 6.20 | 5 (11) |
| Vesicle-associated membrane protein 1 isoform 1 | P23763 | VAMP1 | 12.9 | 6.23 | 6 (20) |
| VPS9 domain-containing protein 1 isoform 1 | Q9Y2B5 | VPS9D1 | 68.9 | 7.10 | 7 (5) |
| WASH complex subunit 2D | Q5SRD0 | WASHC2D | 33.4 | 5.20 | 6 (7) |
| Zinc finger protein-like 1 | O95159 | ZFPL1 | 34.1 | 8.42 | 7 (9) |
| ***Hemostatic regulators*** | | | | | |
| Coagulation factor XI isoform 1 | P03951 | F11 | 70.1 | 8.47 | 9 (8) |
| Heparin cofactor 2 | P05546 | SERPIND1 | 57.0 | 6.41 | 7 (9) |
| ***Sensory system proteins*** | | | | | |
| Short-chain dehydrogenase / reductase family 9C member 7 | Q8NEX9 | SDR9C7 | 35.2 | 9.26 | 7 (16) |
| ***Specific mitochondrial proteins*** | | | | | |
| CDGSH iron-sulfur domain-containing protein 3, mitochondrial | P0C7P0 | CISD3 | 14.2 | 10.56 | 8 (30) |
| Glutaredoxin-related protein 5, mitochondrial | Q86SX6 | GLRX5 | 16.6 | 6.25 | 5 (11) |
| Glyoxalase domain-containing protein 4 isoform 1 | Q9HC38 | GLOD4 | 34.8 | 5.40 | 5 (15) |
| Mitochondrial inner membrane protein OXA1L isoform 1 | Q15070 | OXA1L | 48.5 | 9.53 | 7 (9) |
| Mitochondrial inner membrane protein OXA1L, partial | Q15070  / AAH01669(\*) | OXA1L | 48.7 | 9.58 | 8 (8) |
| Mitochondrial-processing peptidase subunit alpha isoform 1 | Q10713 | PMPCA | 58.2 | 6.45 | 7 (6) |
| Mitoguardin 1 isoform 1 | Q8NAN2 | MIGA1 | 71.0 | 5.42 | 7 (3) |
| Serine / threonine-protein phosphatase PGAM5 isoform 1, mitochondrial | Q96HS1 | PGAM5 | 32.0 | 8.88 | 5 (7) |
| ***Specific Golgi apparatus proteins*** | | | | | |
| Golgin subfamily A member 8N | F8WBI6 | GOLGA8N | 71.5 | 5.93 | 9 (8) |
| Golgin subfamily A member 8O isoform 1 | A6NCC3 | GOLGA8O | 71.5 | 5.98 | 9 (8) |
| ***Centriole proteins*** | | | | | |
| Centriolar coiled-coil protein of 110 kDa isoform 1 | O43303 | CCP110 | 113.4 | 8.83 | 10 (6) |
| Coiled-coil domain-containing protein 113 isoform 1 | Q9H0I3 | CFAP410 | 44.2 | 8.75 | 8 (9) |
| Zinc finger B-box domain-containing protein 1 isoform 1 | A8MT70 | ZBBX | 91.4 | 5.43 | 8 (6) |
| ***Proteins of the immune response and inflammation*** | | | | | |
| ATP synthase subunit C lysine N-methyltransferase isoform 1 | Q6P4H8 | ATPSCKMT | 26.1 | 9.04 | 6 (11) |
| Basic leucine zipper transcriptional factor ATF-like | Q16520 | BATF | 14.1 | 8.82 | 6 (21) |
| Beta-defensin 107 | Q8IZN7 | DEFB107A | 7.8 | 9.45 | 4 (25) |
| Beta-defensin 112 | Q30KQ8 | DEFB112 | 13.0 | 8.83 | 5 (25) |
| Beta-microseminoprotein isoform PSP94 | P08118 | MSMB | 12.9 | 5.36 | 4 (14) |
| CD5 antigen-like | O43866 | CD5L | 38.1 | 5.28 | 5 (7) |
| C-Maf-inducing protein isoform 1 | Q8IY22 | CMIP | 86.3 | 6.26 | 8 (6) |
| Coiled-coil domain-containing protein 130 | P13994 | CCDC130 | 44.8 | 8.47 | 8 (9) |
| Collectin-10 | Q9Y6Z7 | COLEC10 | 30.7 | 6.96 | 10 (13) |
| Cystatin-11 isoform 1 | Q9H112 | CST11 | 16.5 | 6.51 | 4 (11) |
| C-type lectin domain family 2 member B | Q92478 | CLEC2B | 17.3 | 9.02 | 5 (10) |
| C-type lectin domain family 4 member K | Q9UJ71 | CD207 | 36.7 | 8.45 | 7 (12) |
| EP300-interacting inhibitor of differentiation 2 isoform 1 | Q8N6I1 | EID2 | 25.2 | 6.95 | 6 (22) |
| Fibrinogen alpha chain isoform 1 | P02671 | FGA | 94.9 | 5.70 | 12 (6) |
| Ficolin-1 | O00602 | FCN1 | 35.1 | 6.39 | 6 (6) |
| Galectin-3 | P17931 | LGALS3 | 26.1 | 8.57 | 6 (12) |
| Galectin | Q86TY5  / CAD61918(\*) | LGALS3 | 13.9 | 9.20 | 5 (25) |
| Immunoglobulin epsilon heavy chain variable region, partial | ADX89689(\*) | N / A | 12.6 | 8.81 | 5 (12) |
| Immunoglobulin heavy chain variable region, partial | AAZ08851(\*) | N / A | 8.0 | 9.80 | 6 (32) |
| Immunoglobulin superfamily member 2 | Q93033 | CD101 | 115.0 | 6.51 | 9 (4) |
| Inhibitor of nuclear factor kappa-B kinase subunit alpha | O15111 | CHUK | 84.6 | 6.27 | 9 (8) |
| Interferon regulatory factor 1 | P10914 | IRF1 | 36.5 | 5.22 | 6 (13) |
| Interferon regulatory factor 2-binding protein 2 isoform 1 | Q7Z5L9 | IRF2BP2 | 61.0 | 9.00 | 6 (6) |
| Leucine-rich repeat-containing protein 14 | Q15048 | LRRC14 | 54.5 | 6.43 | 6 (9) |
| Mast cell-expressed membrane protein 1 | Q8IX19 | MCEMP1 | 21.2 | 9.03 | 7 (12) |
| Nuclear body protein SP140isoform CRA\_c | EAW70926(\*) | SP140L | 24.6 | 6.02 | 8 (14) |
| Proline-serine-threonine phosphatase-interacting protein 1 isoform 1 | O43586 | PSTPIP1 | 47.6 | 5.35 | 11 (21) |
| Proteasome activator complex subunit 2 | Q9UL46 | PSME2 | 27.4 | 5.54 | 8 (27) |
| Protein S100-A9 | P06702 | S100A9 | 13.2 | 5.71 | 5 (22) |
| Putative macrophage stimulating 1-like protein isoform 1 | Q2TV78 | MST1L | 79.6 | 8.16 | 7 (4) |
| Putative neutrophil cytosol factor 1C | A8MVU1 | NCF1C | 41.8 | 8.95 | 7 (6) |
| Sushi domain-containing protein 1 isoform 1 | Q6UWL2 | SUSD1 | 82.7 | 6.02 | 10 (4) |
| Sushi domain-containing protein 1, partial | Q6UWL2  / AAH21125(\*) | SUSD1 | 39.0 | 8.14 | 7 (8) |
| Sushi domain-containing protein 1, partial | Q6UWL2  / AAH52314(\*) | SUSD1 | 58.2 | 7.32 | 7 (5) |
| Sushi domain-containing protein 1, partial | Q6UWL2  / BAB15149(\*) | SUSD1 | 46.0 | 5.95 | 7 (7) |
| Tripartite motif-containing protein 29 isoform alpha | Q14134 | TRIM29 | 65.8 | 6.73 | 11 (9) |
| Tumor necrosis factor alpha-induced protein 3 | P21580 | TNFAIP3 | 89.6 | 8.61 | 8 (5) |
| Tyrosine-protein kinase ITK / TSK | Q08881 | ITK | 71.8 | 7.51 | 6 (7) |
| Tyrosine-protein kinase Lyn isoform 1 | P07948 | LYN | 58.5 | 6.70 | 7 (7) |
| ***Antigens. Histocompatibility complex proteins*** | | | | | |
| Major histocompatibility complex class I-related gene protein isoform 1 | Q95460 | MR1 | 39.3 | 5.87 | 5 (11) |
| Melanoma-associated antigen B3 | O15480 | MAGEB3 | 39.2 | 10.07 | 8 (14) |
| MHC class I antigen, partial | A0A1C8DUP7  / ALF13298(\*) | HLA-B | 21.2 | 5.52 | 5 (9) |
| MHC class I antigen, partial | J7F508  / AFA42615(\*) | HLA-C | 21.0 | 5.80 | 6 (11) |
| MHC class II antigen, partial | Q5BLP1  / AAX22127(\*) | HLA-DQB1 | 3.8 | 10.91 | 8 (19) |
| MHC class II antigen, partial | Q5BLN9  / AAX22129(\*) | HLA-DQB1 | 3.8 | 10.91 | 8 (19) |
| MHC class II antigen, partial | Q5BLN8  / AAX22130(\*) | HLA-DQB1 | 3.9 | 10.91 | 8 (19) |
| MHC class II antigen, partial | Q5BLN4  / AAX22134(\*) | HLA-DQB1 | 3.9 | 10.91 | 8 (19) |
| MHC class II antigen, partial | Q5BLN3  / AAX22135(\*) | HLA-DQB1 | 3.9 | 10.91 | 8 (19) |
| MHC class II HLA-DQ-beta, partial | Q9BCU1  / AAK17120(\*) | HLA-DQB1 | 3.4 | 10.99 | 8 (21) |
| MHC class II HLA-DQ-beta, partial | Q9BCT9  / AAK17122(\*) | HLA-DQB1 | 3.4 | 10.99 | 8 (21) |
| MHC class II HLA-DQ-beta, partial | Q9BCT8  / AAK17123(\*) | HLA-DQB1 | 3.5 | 9.98 | 8 (21) |
| Paraneoplastic antigen Ma2 | Q9UL42 | PNMA2 | 41.5 | 4.84 | 7 (9) |
| Sjoegren syndrome nuclear autoantigen 1 | O43805 | SSNA1 | 13.6 | 5.37 | 4 (26) |
| ***Cytokines. Growth factors*** | | | | | |
| Brain-derived neurotrophic factor isoform 1 | P23560 | BDNF | 27.8 | 9.01 | 8 (15) |
| C-C motif chemokine 5 | P13501 | CCL5 | 10.0 | 9.27 | 4 (30) |
| C-C motif chemokine 7 | P80098 | CCL7 | 11.2 | 9.72 | 10 (18) |
| Chemokine-like protein TAFA-3 isoform 2 precursor | Q7Z5A8  / NP\_001004440(\*) | TAFA3 | 18.5 | 9.48 | 6 (13) |
| Complement C1q tumor necrosis factor-related protein 1 isoform 1 | Q9BXJ1 | C1QTNF1 | 31.7 | 6.42 | 6 (14) |
| Complement C1q tumor necrosis factor-related protein 4 | Q9BXJ3 | C1QTNF4 | 35.2 | 8.38 | 6 (9) |
| C-X-C motif chemokine 10 | P02778 | CXCL10 | 10.9 | 9.93 | 6 (17) |
| C-X-C motif chemokine 11 | O14625 | CXCL11 | 10.4 | 9.94 | 7 (21) |
| Fibroblast growth factor 10 | O15520 | FGF10 | 23.4 | 9.61 | 6 (7) |
| Growth / differentiation factor 10, partial | P55107  / AAL77527(\*) | GDF10 | 13.6 | 8.91 | 6 (14) |
| Interferon beta | P01574 | IFNB1 | 22.3 | 8.93 | 4 (20) |
| Interleukin-7 isoform 1 | P13232 | IL7 | 20.2 | 8.87 | 5 (13) |
| Interleukin-12 subunit beta | P29460 | IL12B | 37.1 | 5.52 | 5 (8) |
| I-TAC, partial | Q96KF0  / AAK52900(\*) | CXCL11 | 7.9 | 9.46 | 5 (21) |
| Proheparin-binding EGF-like growth factor | Q99075 | HBEGF | 23.1 | 9.47 | 4 (37) |
| Semaphorin-3E isoform 1 | O15041 | SEMA3E | 89.2 | 7.20 | 8 (5) |
| Semaphorin-4D isoform 1 | Q92854 | SEMA4D | 96.1 | 8.25 | 9 (6) |
| Transforming growth factor beta-1 | P01137 | TGFB1 | 44.3 | 8.83 | 6 (9) |
| Tumor necrosis factor ligand superfamily member 4 isoform 1 | P23510 | TNFSF4 | 21.0 | 6.96 | 5 (13) |
| Tumor necrosis factor ligand superfamily member 13 isoform alpha | O75888 | TNFSF13 | 27.4 | 9.67 | 6 (9) |
| ***Apoptosis regulators*** | | | | | |
| CASP8-associated protein 2 | Q9UKL3 | CASP8AP2 | 222.5 | 6.14 | 16 (5) |
| Caspase recruitment domain-containing protein 16 isoform 1 | Q5EG05 | CARD16 | 22.6 | 8.72 | 5 (13) |
| Caspase recruitment domain-containing protein 17 | Q5XLA6 | CARD17 | 11.9 | 5.34 | 4 (11) |
| Cysteine / serine-rich nuclear protein 2 | Q9H175 | CSRNP2 | 59.6 | 4.68 | 7 (8) |
| Deoxyribonuclease gamma isoform 1 | Q13609 | DNASE1L3 | 35.5 | 9.35 | 8 (14) |
| Fibronectin type 3 and ankyrin repeat domains protein 1 isoform 1 | Q8TC84 | FANK1 | 38.3 | 8.93 | 7 (7) |
| Granzyme A isoform alpha | P12544 | GZMA | 29.0 | 9.14 | 5 (12) |
| GTP-binding protein Rheb | Q15382 | RHEB | 20.5 | 5.65 | 5 (12) |
| Netrin-1 | O95631 | NTN1 | 67.7 | 9.10 | 9 (8) |
| O(6)-methylguanine-induced apoptosis 2 isoform 1 | Q5TH74 | STPG1 | 36.8 | 9.79 | 7 (9) |
| Peptidyl-prolyl cis-trans isomerase F isoform 1, mitochondrial | P30405 | PPIF | 22.0 | 9.48 | 7 (16) |
| Pleckstrin homology domain-containing family N member 1 isoform 2 | Q494U1 | PLEKHN1 | 71.7 | 8.80 | 8 (6) |
| Protein FAM3B isoform b | P58499 | FAM3B | 26.0 | 8.97 | 6 (11) |
| ***Autophagy regulators*** | | | | | |
| Autophagy-related protein 13 isoform 1 | O75143 | ATG13 | 56.5 | 4.98 | 7 (6) |
| Calcium-binding and coiled-coil domain-containing protein 2 isoform 1 | Q13137 | CALCOCO2 | 52.2 | 4.94 | 7 (6) |
| Guanine nucleotide exchange protein SMCR8 isoform 1 | Q8TEV9 | SMCR8 | 105.0 | 5.36 | 10 (4) |
| RUN and FYVE domain-containing protein 4 isoform 1 | Q6ZNE9 | RUFY4 | 64.3 | 6.44 | 6 (15) |
| TBC1 domain family member 25 isoform 1 | Q3MII6 | TBC1D25 | 76.3 | 5.75 | 7 (4) |
| UV radiation resistance-associated gene protein isoform 1 | Q9P2Y5 | UVRAG | 78.1 | 8.56 | 9 (8) |
| UV radiation resistance-associated gene protein isoform X1 | XP\_011543528(\*) | UVRAG | 81.0 | 8.78 | 9 (7) |
| UV radiation resistance-associated gene protein isoform X2 | XP\_011543529(\*) | UVRAG | 55.3 | 9.31 | 9 (11) |
| UV radiation resistance-associated gene protein isoform X3 | XP\_016873715(\*) | UVRAG | 54.9 | 9.51 | 9 (11) |
| UV radiation resistance-associated gene protein isoform X4 | XP\_011543530(\*) | UVRAG | 50.3 | 9.30 | 11 (12) |
| Vacuolar protein sorting-associated protein 11 homolog | Q9H270 | VPS11 | 107.8 | 6.60 | 11 (7) |
| Zinc finger protein with KRAB and SCAN domains 3 | Q9BRR0 | ZKSCAN3 | 60.6 | 5.98 | 9 (15) |
| ***Endocytosis regulators*** | | | | | |
| ATPase family AAA domain-containing protein 1 isoform 1 | Q8NBU5 | ATAD1 | 40.7 | 6.43 | 8 (13) |
| Neuronal vesicle trafficking-associated protein 2 | Q9Y328 | NSG2 | 19.1 | 9.42 | 6 (6) |
| Nostrin isoform 1 | Q8IVI9 | NOSTRIN | 57.6 | 9.08 | 8 (7) |
| Ras-related protein Rab-7a | P51149 | RAB7A | 23.5 | 6.40 | 5 (16) |
| Ras-related protein Rab-21 | Q9UL25 | RAB21 | 24.3 | 8.11 | 3 (17) |
| Ras-related protein Rab-23 | Q9ULC3 | RAB23 | 26.6 | 6.22 | 6 (12) |
| RUN and FYVE domain-containing protein 1 isoform 1 | Q96T51 | RUFY1 | 79.8 | 5.54 | 18 (16) |
| RUN and FYVE domain-containing protein 1 isoform 2 | Q96T51  / NP\_001035542(\*) | RUFY1 | 69.0 | 5.64 | 12 (13) |
| RUN and FYVE domain-containing protein 1 isoform X1 | XP\_006714984(\*) | RUFY1 | 77.1 | 5.55 | 12 (12) |
| RUN and FYVE domain-containing protein 1 isoform X2 | XP\_016865380(\*) | RUFY1 | 66.3 | 5.66 | 12 (13) |
| RUN and FYVE domain-containing protein 1 isoform X3 | XP\_024301988(\*) | RUFY1 | 50.9 | 5.50 | 9 (11) |
| RUN and FYVE domain-containing protein 1 isoform X5 | XP\_006714985(\*) | RUFY1 | 42.9 | 5.83 | 9 (15) |
| RUN and FYVE domain-containing protein 1 isoform X6 | Q96T51  / XP\_016865384(\*) | RUFY1 | 36.1 | 6.26 | 9 (18) |
| Src substrate cortactin isoform 1 | Q14247 | CTTN | 61.5 | 5.24 | 6 (8) |
| Stromal membrane-associated protein 1 isoform 1 | Q8IYB5 | SMAP1 | 50.4 | 8.92 | 8 (8) |
| Syntaxin-7 isoform 1 | O15400 | STX7 | 29.8 | 5.41 | 6 (7) |
| ***Exocytosis regulators*** | | | | | |
| cDNA FLJ75353, highly similar to Homo sapiens synaptotagmin XII (SYT12), mRNA | A8K0V7  / BAF82361(\*) | N / A | 46.5 | 5.28 | 7 (14) |
| cDNA FLJ77747, highly similar to Homo sapiens synaptotagmin XII (SYT12), mRNA | A8K112  / BAF82416(\*) | N / A | 46.5 | 5.37 | 7 (14) |
| cDNA, FLJ79459, highly similar to Synaptotagmin-12 | B0AZL9  / BAF98701(\*) | N / A | 46.5 | 5.37 | 7 (14) |
| Complexin-3 | Q8WVH0 | CPLX3 | 17.5 | 4.89 | 10 (19) |
| Putative gamma-taxilin 2 | Q9BZA5 | TXLNGY | 14.6 | 5.22 | 4 (12) |
| Rabphilin-3A isoform 1 | Q9Y2J0 | RPH3A | 76.8 | 8.62 | 7 (6) |
| Ras-related protein Rab-3B | P20337 | RAB3B | 24.7 | 4.85 | 4 (18) |
| Synaptotagmin-12 | Q8IV01 | SYT12 | 46.5 | 5.37 | 10 (17) |
| Synaptotagmin-12 isoform b | NP\_001305702(\*) | SYT12 | 34.0 | 5.26 | 6 (14) |
| Synaptotagmin-like protein 2 isoform 1 | Q9HCH5 | SYTL2 | 104.9 | 7.96 | 11 (7) |
| Syntaxin-6 isoform 1 | O43752 | STX6 | 29.2 | 4.84 | 10 (25) |
| Syntaxin-6 isoform CRA\_b | EAW91092(\*) | STX6 | 29.2 | 4.84 | 7 (14) |
| Syntaxin-6 isoform CRA\_c | EAW91093(\*) | STX6 | 29.2 | 4.89 | 7 (14) |
| Syntaxin-6, partial | O43752  / CAG46671(\*) | STX6 | 29.2 | 4.84 | 6 (15) |
| ***Transcription factors*** | | | | | |
| Alpha-globin transcription factor CP2 isoform 1 | Q12800 | TFCP2 | 57.2 | 5.53 | 7 (6) |
| Alpha-globin transcription factor CP2 isoform 3 | Q12800  / NP\_001166924(\*) | TFCP2 | 51.3 | 5.28 | 8 (6) |
| Ataxin-1 isoform 1 | P54253 | ATXN1 | 86.9 | 8.49 | 9 (6) |
| Bromodomain-containing protein 9 isoform 1 | Q9H8M2 | BRD9 | 67.0 | 5.81 | 7 (7) |
| Bromodomain-containing protein 9 isoform 3 | Q9H8M2  / NP\_001304880(\*) | BRD9 | 55.6 | 5.17 | 7 (9) |
| Bromodomain-containing protein 9 isoform X7 | XP\_024301967(\*) | BRD9 | 53.2 | 5.15 | 7 (9) |
| Bromodomain-containing protein 9 isoform X8 | XP\_024301968(\*) | BRD9 | 48.9 | 5.05 | 7 (9) |
| Bromodomain-containing protein 9, partial | Q9H8M2  / ABB55266(\*) | BRD9 | 46.9 | 5.03 | 7 (10) |
| cDNA FLJ50794, highly similar to L-myc-1 proto-oncogene protein | B4DL45  / BAG59407(\*) | N / A | 29.9 | 6.14 | 7 (17) |
| COUP transcription factor 2 isoform 1 | P24468 | NR2F2 | 45.5 | 8.66 | 6 (10) |
| CTD small phosphatase-like protein isoform X2 | XP\_016861009(\*) | CTDSPL | 32.3 | 5.83 | 7 (5) |
| Cyclin-dependent kinase 8 isoform 1 | P49336 | CDK8 | 53.3 | 8.72 | 8 (9) |
| Developmental pluripotency-associated protein 2 | Q7Z7J5 | DPPA2 | 33.8 | 9.35 | 8 (11) |
| Endothelial zinc finger protein induced by tumor necrosis factor alpha | Q9NQZ8 | ZNF71 | 54.5 | 9.00 | 7 (8) |
| ETS-related transcription factor Elf-5 isoform 2 | Q9UKW6  / NP\_001413(\*) | ELF5 | 30.1 | 5.53 | 6 (10) |
| ETS-related transcription factor Elf-5 isoform 3 | Q9UKW6  / NP\_001230009(\*) | ELF5 | 18.9 | 6.30 | 6 (16) |
| ETS-related transcription factor Elf-5 isoform 4 | Q9UKW6  / NP\_001230010(\*) | ELF5 | 21.9 | 6.45 | 6 (14) |
| ETS-related transcription factor Elf-5 isoform X1 | XP\_016872797(\*) | ELF5 | 28.2 | 5.63 | 6 (11) |
| Ets transcription factor TEL-2b variant, partial | Q53F65  / BAD97144(\*) | ETV7 | 39.0 | 8.46 | 8 (8) |
| High mobility group protein HMG-I / HMG-Y isoform HMG-I | P17096 | HMGA1 | 11.7 | 10.32 | 6 (19) |
| Histone-lysine N-methyltransferase EZH2 isoform 1 | Q15910 | EZH2 | 85.3 | 6.65 | 12 (6) |
| Histone-lysine N-methyltransferase SUV39H1 isoform 1 | O43463 | SUV39H1 | 47.9 | 8.37 | 7 (9) |
| HNF1 alpha A splice variant 8 | E0YMJ4  / ADM43488(\*) | HNF1A | 42.6 | 5.99 | 7 (4) |
| HNF1 alpha B splice variant 2 | P20823  / ADM43495(\*) | HNF1A | 27.5 | 5.14 | 6 (5) |
| Homeobox protein BarH-like 2 | Q9UMQ3 | BARX2 | 31.2 | 8.65 | 6 (17) |
| Homeobox protein DLX-4 isoform 1 | Q92988 | DLX4 | 26.2 | 9.25 | 6 (10) |
| Homeobox protein Hox-B7 | P09629  / AAA36003(\*) | HOXB7 | 23.8 | 8.83 | 6 (7) |
| Homeobox protein Hox-B7 | P09629  / NP\_004493(\*) | HOXB7 | 24.0 | 8.83 | 6 (7) |
| Homeobox protein Hox-B7, partial | P09629  / BAD96969(\*) | HOXB7 | 23.9 | 9.00 | 6 (7) |
| Homeobox protein Hox-B8 | P17481  / NP\_076921(\*) | HOXB8 | 27.6 | 8.48 | 7 (7) |
| Homeobox protein Hox-C8 | P31273  / HXC8(\*) | HOXC8 | 27.7 | 6.57 | 8 (9) |
| Homeobox protein Hox-D11 | P31277  / HXD11(\*) | HOXD11 | 35.2 | 9.02 | 6 (9) |
| Homeobox protein Nkx-2.6 | A6NCS4  / NKX26(\*) | NKX2-6 | 32.1 | 9.91 | 7 (10) |
| Immediate early response gene 2 protein | Q9BTL4 | IER2 | 24.2 | 6.46 | 7 (12) |
| Insulinoma-associated protein 1 | Q01101 | INSM1 | 52.9 | 9.19 | 7 (5) |
| Insulinoma-associated protein 2 | Q96T92 | INSM2 | 59.5 | 9.46 | 8 (7) |
| LIM / homeobox protein Lhx4 | Q969G2 | LHX4 | 43.1 | 7.52 | 6 (10) |
| Lysine-specific demethylase 4C isoform 1 | Q9H3R0 | KDM4C | 120.0 | 6.07 | 12 (5) |
| Male-specific lethal 1 homolog isoform 1 | Q68DK7 | MSL1 | 67.1 | 9.10 | 8 (5) |
| Menin isoform 1 | O00255 | MEN1 | 68.0 | 6.14 | 9 (4) |
| Methyl-CpG-binding domain protein 1 isoform 1 | Q9UIS9 | MBD1 | 66.6 | 9.32 | 10 (10) |
| Myocyte-specific enhancer factor 2C isoform 2 | Q06413  / NP\_001124477(\*) | MEF2C | 50.2 | 9.12 | 10 (7) |
| Myocyte-specific enhancer factor 2C isoform 3 | Q06413  / NP\_001180276(\*) | MEF2C | 52.3 | 8.85 | 10 (7) |
| Myogenin | P15173 | MYOG | 25.0 | 5.45 | 6 (12) |
| Nuclear body protein SP140-like protein isoform 3 | Q9H930  / AAH04921(\*) | SP140L | 14.9 | 5.57 | 8 (23) |
| Paired box protein Pax-1 isoform 1 | P15863 | PAX1 | 55.5 | 9.90 | 7 (8) |
| Probable histone-lysine N-methyltransferase PRDM7 isoform 1 | Q9NQW5 | PRDM7 | 55.7 | 7.99 | 6 (8) |
| Probable histone-lysine N-methyltransferase PRDM7 isoform X4 | XP\_016878373(\*) | PRDM7 | 35.1 | 8.07 | 6 (13) |
| Protein atonal homolog 8 isoform 1 | Q96SQ7 | ATOH8 | 34.6 | 10.24 | 6 (12) |
| Oligodendrocyte transcription factor 2 | Q13516 | OLIG2 | 32.4 | 9.28 | 6 (9) |
| Protein L-Myc isoform 1 | P12524 | MYCL | 40.3 | 5.47 | 9 (14) |
| Protein L-Myc isoform 2 | P12524  / NP\_005367(\*) | MYCL | 24.7 | 5.46 | 6 (13) |
| Protein L-Myc isoform 3 | P12524  / NP\_001028254(\*) | MYCL | 43.2 | 5.56 | 7 (11) |
| Protein L-Myc, partial | P12524  / AAA59879(\*) | MYCL | 21.8 | 5.24 | 5 (16) |
| Protein L-Myc, partial | P12524  / CAA30248(\*) | MYCL | 17.6 | 4.71 | 5 (20) |
| Putative protein SSX6 | Q7RTT6 | SSX6P | 21.7 | 9.32 | 7 (14) |
| Putative zinc finger protein 876 | Q49A33 | ZNF876P | 23.4 | 9.13 | 5 (16) |
| RNA polymerase-associated protein RTF1 homolog | Q92541 | RTF1 | 80.3 | 8.21 | 12 (15) |
| TAF6-like RNA polymerase II p300 / CBP-associated factor-associated factor 65 kDa subunit 6L | Q9Y6J9 | TAF6L | 67.8 | 9.14 | 8 (9) |
| Transcription elongation factor A protein 3 isoform 1 | O75764 | TCEA3 | 39.0 | 9.32 | 10 (15) |
| Transcription elongation factor SPT6 isoform 2 | Q7KZ85  / AAH73963(\*) | SUPT6H | 61.3 | 8.63 | 8 (4) |
| Transcription factor 25 | Q9BQ70 | TCF25 | 76.6 | 5.96 | 10 (6) |
| Transcription factor ETV7 isoform 1 | Q9Y603  / NP\_057219(\*) | ETV7 | 39.0 | 8.27 | 7 (8) |
| Transcription initiation protein SPT3 homolog isoform 1 | O75486 | SUPT3H | 35.8 | 6.41 | 7 (10) |
| Transcription initiation protein SPT3 homolog | B4E1H0  / NP\_001248752(\*) | SUPT3H | 18.8 | 5.54 | 5 (18) |
| Ubiquitin carboxyl-terminal hydrolase 21 isoform 1 | Q9UK80 | USP21 | 62.6 | 9.91 | 8 (11) |
| Ventral anterior homeobox 1 isoform 1 | Q5SQQ9 | VAX1 | 34.7 | 9.47 | 7 (10) |
| Zinc finger and BTB domain-containing protein 46 | Q86UZ6 | ZBTB46 | 64.0 | 5.55 | 10 (7) |
| Zinc finger BED domain-containing protein 3 | Q96IU2 | ZBED3 | 25.1 | 8.65 | 8 (12) |
| Zinc finger CCHC domain-containing protein 12 | Q6PEW1 | ZCCHC12 | 45.3 | 5.87 | 8 (6) |
| Zinc finger CCHC domain-containing protein 18 | P0CG32 | ZCCHC18 | 45.1 | 7.02 | 7 (9) |
| Zinc finger matrin-type protein 4 isoform 1 | Q9H898 | ZMAT4 | 25.8 | 9.50 | 6 (11) |
| Zinc finger protein 57 homolog isoform 1 | Q9NU63 | ZFP57 | 51.9 | 9.34 | 7 (10) |
| Zinc finger protein 138 isoform 1 | P52744 | ZNF138 | 30.6 | 9.63 | 6 (17) |
| Zinc finger protein 219 | Q9P2Y4 | ZNF219 | 76.8 | 9.56 | 6 (5) |
| Zinc finger protein 268 isoform b | Q14587  / NP\_694422(\*) | ZNF268 | 22.0 | 8.99 | 7 (20) |
| Zinc finger protein 354A | O60765 | ZNF354A | 69.2 | 9.65 | 9 (10) |
| Zinc finger protein 474 | Q6S9Z5 | ZNF474 | 40.3 | 9.59 | 9 (6) |
| Zinc finger protein 551 isoform 1 | Q7Z340 | ZNF551 | 77.5 | 8.73 | 7 (8) |
| Zinc finger protein 554 | Q86TJ5 | ZNF554 | 60.5 | 7.56 | 7 (8) |
| Zinc finger protein 569 isoform 1 | Q5MCW4 | ZNF569 | 79.5 | 8.97 | 10 (10) |
| Zinc finger protein 595 | Q8IYB9 | ZNF595 | 74.3 | 9.30 | 10 (10) |
| Zinc finger protein 608 isoform 1 | Q9ULD9 | ZNF608 | 162.1 | 8.92 | 15 (4) |
| Zinc finger protein 668 isoform 1 | Q96K58 | ZNF668 | 67.9 | 9.20 | 8 (7) |
| Zinc finger protein 764 isoform 1 | Q96H86 | ZNF764 | 44.9 | 9.19 | 7 (6) |
| Zinc finger protein 770 | Q6IQ21 | ZNF770 | 80.0 | 9.64 | 10 (9) |
| Zinc finger protein OZF | Q15072 | ZNF146 | 33.3 | 9.15 | 9 (21) |
| Zinc finger protein ZFAT isoform 1 | Q9P243 | ZFAT | 138.9 | 6.90 | 11 (5) |
| ***Cell cycle and division regulators*** | | | | | |
| cDNA FLJ55107, highly similar to Cell division control protein 42 homolog | B4DMH5  / BAG59887(\*) | N / A | 26.6 | 6.44 | 6 (7) |
| cDNA FLJ79348, highly similar to Cell division control protein 42 homolog | B7ZAY4  / BAH14820(\*) | N / A | 26.5 | 6.89 | 6 (7) |
| Centromere protein K | Q9BS16 | CENPK | 31.6 | 4.83 | 7 (11) |
| Clathrin light chain A isoform brain | P09496 | CLTA | 27.1 | 4.43 | 6 (7) |
| Cyclin-A2 | P20248 | CCNA2 | 48.5 | 6.09 | 7 (9) |
| Cyclin-G1 isoform 1 | P51959 | CCNG1 | 34.1 | 9.06 | 5 (16) |
| Cyclin-dependent kinase inhibitor 3 isoform 1 | Q16667 | CDKN3 | 23.8 | 5.97 | 6 (12) |
| Fibronectin type III and SPRY domain-containing protein 1 isoform CRA\_c, partial | EAW69238(\*) | FSD1 | 25.5 | 5.87 | 7 (10) |
| G2 / mitotic-specific cyclin-B2 | O95067 | CCNB2 | 45.3 | 9.00 | 6 (21) |
| HAUS augmin-like complex subunit 8 isoform 1 | Q9BT25 | HAUS8 | 44.8 | 6.60 | 8 (5) |
| Meiosis-specific with OB domain-containing protein isoform 1 | Q8N635 | MEIOB | 49.3 | 5.98 | 6 (4) |
| Mitotic checkpoint protein BUB3 isoform 1 | O43684 | BUB3 | 37.1 | 6.36 | 7 (11) |
| PEST proteolytic signal-containing nuclear protein isoform 1 | Q8WW12 | PCNP | 18.9 | 6.86 | 5 (14) |
| Proliferating cell nuclear antigen | P12004 | PCNA | 28.8 | 4.57 | 6 (9) |
| Protein lin-52 homolog | Q52LA3 | LIN52 | 13.0 | 4.89 | 5 (13) |
| Putative methyltransferase C9orf114 | Q5T280 | SPOUT1 | 42.0 | 7.11 | 9 (10) |
| Receptor expression-enhancing protein 3 isoform 1 | Q6NUK4 | REEP3 | 29.2 | 9.57 | 6 (10) |
| RNA-binding protein 7 | Q9Y580 | RBM7 | 30.5 | 9.56 | 6 (6) |
| Serine / threonine-protein kinase 35 | Q8TDR2 | STK35 | 58.0 | 9.78 | 10 (10) |
| Serine / threonine-protein kinase Kist isoform 1 | Q8TAS1 | UHMK1 | 46.5 | 5.59 | 6( 10) |
| Serine / threonine-protein kinase tousled-like 2 isoform A | Q86UE8  / NP\_006843(\*) | TLK2 | 85.4 | 8.66 | 14 (8) |
| Serine / threonine-protein kinase tousled-like 2 isoform C | Q86UE8  / NP\_001271262(\*) | TLK2 | 87.6 | 8.65 | 14 (8) |
| Serine / threonine-protein kinase tousled-like 2 isoform D | J3QLK5  / NP\_001317347(\*) | TLK2 | 69.2 | 8.71 | 13 (9) |
| Serine / threonine-protein kinase tousled-like 2 isoform X2 | XP\_011522517(\*) | TLK2 | 84.1 | 8.79 | 14 (8) |
| Serine / threonine-protein kinase tousled-like 2 isoform X3 | XP\_024306320(\*) | TLK2 | 88.3 | 8.57 | 14 (8) |
| Serine / threonine-protein kinase tousled-like 2 isoform X4 | XP\_011522520(\*) | TLK2 | 81.9 | 8.79 | 14 (9) |
| Serine / threonine-protein kinase tousled-like 2 isoform X7 | XP\_011522522(\*) | TLK2 | 80.7 | 8.75 | 14 (9) |
| Serine / threonine-protein kinase tousled-like 2 isoform X8 | XP\_011522523(\*) | TLK2 | 84.5 | 8.51 | 13 (7) |
| Serine / threonine-protein kinase tousled-like 2 isoform X9 | XP\_016879539(\*) | TLK2 | 83.9 | 8.79 | 13 (8) |
| Serine / threonine-protein kinase tousled-like 2 isoform X12 | XP\_016879543(\*) | TLK2 | 78.5 | 8.76 | 14 (9) |
| Serine / threonine-protein kinase tousled-like 2 isoform X16 | XP\_011522531(\*) | TLK2 | 71.5 | 8.71 | 13 (9) |
| Serine / threonine-protein kinase tousled-like 2 isoform X19 | XP\_016879549(\*) | TLK2 | 62.3 | 8.82 | 13 (10) |
| Telomeric repeat-binding factor 2 isoform 1 | Q15554 | TERF2 | 59.6 | 9.38 | 7 (6) |
| Telomeric repeat-binding factor 2 isoform X4 | XP\_005256181(\*) | TERF2 | 50.4 | 9.38 | 10 (7) |
| ZW10 interactor isoform 1 | O95229 | ZWINT | 31.3 | 5.10 | 7 (8) |
| ***Cell proliferation and differentiation regulators. Developmental proteins*** | | | | | |
| Adenylyl cyclase-associated protein 1 isoform 1 | Q01518 | CAP1 | 51.9 | 8.24 | 8 (11) |
| Adenylyl cyclase-associated protein | B4DNA3  / BAG60165(\*) | CAP1 | 47.1 | 8.40 | 8 (12) |
| Adenylyl cyclase-associated protein | B4DUZ8  / BAG62510(\*) | CAP1 | 45.9 | 8.42 | 8 (12) |
| Coiled-coil domain-containing protein 87 | Q9NVE4 | CCDC87 | 96.3 | 8.74 | 7 (4) |
| Cytoplasmic FMR1-interacting protein 1 isoform 1 | Q7L576 | CYFIP1 | 145.1 | 6.46 | 12 (8) |
| Cytoplasmic protein NCK1 isoform 1 | P16333 | NCK1 | 42.8 | 6.06 | 6 (9) |
| Cytoplasmic protein NCK2 | O43639 | NCK2 | 42.9 | 6.49 | 7 (7) |
| Disabled homolog 1 isoform 2 | NP\_001340909(\*) | DAB1 | 9.4 | 9.80 | 5 (42) |
| Ephrin-B1 | P98172 | EFNB1 | 38.0 | 9.10 | 5 (6) |
| Follistatin-related protein 1 isoform 1 | Q12841 | FSTL1 | 35.0 | 5.39 | 6 (11) |
| Glutaredoxin domain-containing cysteine-rich protein 1 | A8MXD5 | GRXCR1 | 32.3 | 7.49 | 7 (9) |
| LIM and senescent cell antigen-like-containing domain protein 1 isoform 1 | P48059 | LIMS1 | 37.2 | 8.43 | 7 (11) |
| LYR motif-containing protein 1 | O43325 | LYRM1 | 14.3 | 9.95 | 6 (17) |
| Motile sperm domain-containing protein 1 isoform 1 | Q9UJG1 | MOSPD1 | 24.1 | 7.66 | 7 (15) |
| Mth938 domain-containing protein isoform 1 | Q9H7C9 | AAMDC | 13.3 | 8.59 | 5 (25) |
| Nucleoredoxin isoform 1 | Q6DKJ4 | NXN | 48.4 | 4.88 | 6 (6) |
| Odontogenesis associated phosphoprotein isoform 1 | Q17RF5 | ODAPH | 15.5 | 10.51 | 5 (22) |
| Paralemmin-2 isoform 1 | Q8IXS6 | PALM2 | 42.2 | 5.04 | 8 (8) |
| PRAME family member 1 | O95521 | PRAMEF1 | 55.1 | 8.87 | 7 (9) |
| Protamine-3 | Q9NNZ6 | PRM3 | 11.2 | 4.56 | 4 (20) |
| Protein DGCR6L | Q9BY27 | DGCR6L | 24.9 | 7.03 | 6 (10) |
| Protein diaphanous homolog 2 isoform 1 | O60879 | DIAPH2 | 125.5 | 6.20 | 12 (6) |
| Protein yippee-like 1 | O60688 | YPEL1 | 13.6 | 8.22 | 6 (20) |
| Protein yippee-like 2 | Q96QA6 | YPEL2 | 13.6 | 8.22 | 4 (15) |
| Protein yippee-like 3 isoform 1 | P61236 | YPEL3 | 13.6 | 7.66 | 4 (10) |
| Putative synaptotagmin-14-like protein | Q58G82 | SYT14P1 | 21.4 | 9.56 | 5 (11) |
| Putative uncharacterized protein LOC645739 | Q9H521 | N / A | 9.3 | 4.71 | 5 (20) |
| Secreted phosphoprotein 24 | Q13103 | SPP2 | 24.3 | 8.59 | 5 (10) |
| Serpin B5 isoform 1 | P36952 | SERPINB5 | 42.1 | 5.72 | 6 (4) |
| Sonic hedgehog protein | Q15465 | SHH | 49.6 | 8.09 | 7 (5) |
| TBCC domain-containing protein 1 isoform 1 | Q9NVR7 | TBCCD1 | 63.5 | 8.93 | 10 (16) |
| Translin-associated protein X | Q99598 | TSNAX | 33.1 | 6.10 | 7 (13) |
| Tumor protein D53 isoform 1 | Q16890 | TPD52L1 | 22.4 | 5.46 | 7 (15) |
| Variable charge X-linked protein 2 | Q9H322 | VCX2 | 14.7 | 6.18 | 5 (9) |
| Vasohibin-1 isoform 1 | Q7L8A9 | VASH1 | 40.9 | 9.50 | 8 (10) |
| V-set and transmembrane domain-containing protein 5 | A8MXK1 | VSTM5 | 22.4 | 8.15 | 7 (4) |
| V-set and transmembrane domain-containing protein 5 precursor | A8MXK1  / NP\_001138343(\*) | VSTM5 | 22.4 | 8.15 | 7 (4) |
| Uncharacterized protein C1orf43 isoform 1 | Q9BWL3 | C1orf43 | 28.8 | 9.61 | 8 (16) |
| ***Cell adhesion and matrix proteins*** | | | | | |
| Adipocyte plasma membrane-associated protein isoform X1 | Q9HDC9  / XP\_005260820(\*) | APMAP | 32.1 | 5.65 | 6 (7) |
| Alpha-catulin isoform 1 | Q9UBT7 | CTNNAL1 | 81.8 | 6.22 | 10 (4) |
| Amphoterin-induced protein 1 | Q86WK6 | AMIGO1 | 55.2 | 6.22 | 7( 5) |
| Blood vessel epicardial substance | Q8NE79 | BVES | 41.4 | 8.02 | 6 (10) |
| Cadherin-5 isoform 1 | P33151 | CDH5 | 87.5 | 5.22 | 15 (4) |
| Cadherin-11 isoform 1 | P55287 | CDH11 | 87.9 | 4.75 | 9 (6) |
| Cadherin-18 isoform 1 | Q13634 | CDH18 | 88.0 | 4.98 | 7 (3) |
| Collagen alpha-1(XIII) chain isoform 1 | Q5TAT6 | COL13A1 | 69.9 | 9.27 | 10 (4) |
| Decorin isoform a | P07585 | DCN | 39.7 | 8.75 | 8 (10) |
| Disintegrin and metalloproteinase domain-containing protein 28 isoform 1 | Q9UKQ2 | ADAM28 | 87.1 | 6.55 | 8 (6) |
| Insulin-like growth factor-binding protein 7 isoform 1 | Q16270 | IGFBP7 | 29.1 | 8.25 | 6 (7) |
| Jupiter microtubule associated homolog 1 isoform 1 | Q9UK76 | JPT1 | 16.0 | 5.47 | 5 (8) |
| Microtubule-associated protein tau isoform PNS-tau | P10636 | MAPT | 78.9 | 6.25 | 14 (14) |
| Liprin-beta-1 isoform 1 | Q86W92  / NP\_003613(\*) | PPFIBP1 | 113.1 | 5.49 | 13 (6) |
| Liprin-beta-1 isoform 2 | Q86W92  / NP\_803193(\*) | PPFIBP1 | 114.0 | 5.40 | 14 (6) |
| Liprin-beta-1 isoform X1 | XP\_005253562(\*) | PPFIBP1 | 116.8 | 5.64 | 14 (6) |
| Liprin-beta-1 isoform X2 | XP\_005253564(\*) | PPFIBP1 | 116.5 | 5.57 | 14 (6) |
| Liprin-beta-1 isoform X4 | XP\_005253566(\*) | PPFIBP1 | 115.4 | 5.53 | 14 (6) |
| Liprin-beta-1 isoform X6 | XP\_016875548(\*) | PPFIBP1 | 115.7 | 5.57 | 14 (6) |
| Liprin-beta-1 isoform X8 | XP\_016875550(\*) | PPFIBP1 | 115.3 | 5.50 | 14 (6) |
| Liprin-beta-1 isoform X9 | XP\_016875551(\*) | PPFIBP1 | 114.3 | 5.46 | 14 (6) |
| Liprin-beta-1 isoform X11 | XP\_016875553(\*) | PPFIBP1 | 112.8 | 5.43 | 13 (6) |
| Protein MB21D2 | Q8IYB1 | MB21D2 | 55.8 | 6.58 | 7 (7) |
| SH3 domain-containing YSC84-like protein 1 isoform 1 | Q96HL8 | SH3YL1 | 37.1 | 9.18 | 7 (11) |
| SH3 domain-containing YSC84-like protein 1 isoform 5 | Q96HL8  / AAH30778(\*) | SH3YL1 | 11.8 | 9.56 | 5 (21) |
| Sushi repeat-containing protein SRPX isoform 1 | P78539 | SRPX | 51.5 | 8.98 | 9 (6) |
| Vinculin isoform 2 | P18206 | VCL | 123.7 | 5.50 | 13 (8) |
| ***Intercellular signaling proteins*** | | | | | |
| Band 4.1-like protein 5 isoform 1 | Q9HCM4 | EPB41L5 | 81.8 | 6.15 | 8 (7) |
| Chondroadherin isoform 1 | O15335 | CHAD | 40.5 | 9.49 | 12 (9) |
| Chondroadherin isoform X1 | XP\_011522516(\*) | CHAD | 49.0 | 10.00 | 12 (8) |
| Chondroadherin precursor | O15335  / NP\_001258(\*) | CHAD | 40.5 | 9.49 | 12 (9) |
| Consortin isoform 1 | Q6PJW8 | CNST | 79.5 | 4.40 | 12 (5) |
| Gap junction gamma-1 protein | P36383 | GJC1 | 45.4 | 6.90 | 10 (9) |
| MARVEL domain-containing protein 3 isoform 2 | Q96A59  / BAB71294(\*) | MARVELD3 | 45.9 | 9.29 | 10 (8) |
| ***Nuclear transport proteins. Transposition proteins. DNA replication and repair proteins*** | | | | | |
| Ankyrin repeat domain-containing protein 23 isoform 1 | Q86SG2 | ANKRD23 | 34.3 | 9.51 | 7 (14) |
| Cell cycle checkpoint control protein RAD9B isoform 5 | Q6WBX8 | RAD9B | 47.8 | 6.47 | 6 (7) |
| cDNA FLJ51149, highly similar to RNA exonuclease 1 homolog | B4DYC5  / BAG63687(\*) | N / A | 54.3 | 8.89 | 6 (7) |
| Chromatin complexes subunit BAP18 isoform 1 | Q8IXM2 | BAP18 | 17.9 | 6.74 | 5 (11) |
| DNA-directed primase / polymerase protein isoform 1 | Q96LW4 | PRIMPOL | 64.4 | 5.19 | 8 (6) |
| DNA mismatch repair protein Msh2 isoform 1 | P43246 | MSH2 | 104.7 | 5.58 | 7 (3) |
| DNA polymerase epsilon subunit 2 isoform 1 | P56282 | POLE2 | 59.5 | 5.95 | 9 (10) |
| DNA repair protein RAD52 homolog isoform alpha | P43351 | RAD52 | 46.1 | 8.49 | 7 (11) |
| DNA repair-scaffolding protein isoform 1 | Q14159 | SPIDR | 100.3 | 6.22 | 8 (2) |
| DNA repair-scaffolding protein isoform 13 | NP\_001339870(\*) | SPIDR | 80.8 | 8.41 | 9 (4) |
| DNA repair-scaffolding protein isoform 16 | NP\_001339873(\*) | SPIDR | 74.1 | 8.84 | 9 (4) |
| DNA replication licensing factor MCM6 | Q14566 | MCM6 | 92.8 | 5.29 | 9 (7) |
| Exonuclease 3'-5' domain-containing protein 2 isoform 1 | Q9NVH0 | EXD2 | 70.3 | 8.63 | 8 (6) |
| Eyes absent homolog 2 isoform 1 | O00167 | EYA2 | 59.2 | 6.02 | 7 (7) |
| Eyes absent homolog 4 isoform 1 | O95677 | EYA4 | 69.5 | 5.04 | 7 (5) |
| Fanconi anemia group F protein | Q9NPI8 | FANCF | 42.2 | 9.11 | 6 (9) |
| Fidgetin-like protein 1 isoform 1 | Q6PIW4 | FIGNL1 | 74.0 | 8.07 | 8 (8) |
| High mobility group nucleosome-binding domain-containing protein 4 | O00479 | HMGN4 | 9.5 | 10.48 | 7 (18) |
| Histone H2B type F-M | P0C1H6 | H2BFM | 17.0 | 10.08 | 8 (11) |
| Histone H2B type W-T | Q7Z2G1 | H2BFWT | 19.6 | 10.69 | 5 (15) |
| LINE-1 retrotransposable element ORF1 protein | Q9UN81 | L1RE1 | 40.0 | 9.54 | 7 (14) |
| N-glycosylase / DNA lyase isoform X6 | XP\_016861988(\*) | OGG1 | 32.0 | 8.58 | 7 (9) |
| Non-structural maintenance of chromosomes element 3 homolog | Q96MG7 | NSMCE3 | 34.3 | 9.30 | 7 (9) |
| Non-structural maintenance of chromosomes element 4 homolog A isoform 1 | Q9NXX6 | NSMCE4A | 44.3 | 5.25 | 8 (11) |
| Nucleoplasmin-2 isoform 1 | Q86SE8 | NPM2 | 24.1 | 4.97 | 6 (9) |
| Origin recognition complex subunit 3 isoform 1 | Q9UBD5 | ORC3 | 82.2 | 7.54 | 6 (5) |
| PCNA-interacting partner isoform 1 | PARI | PARPBP | 65.0 | 8.96 | 10 (9) |
| Putative short transient receptor potential channel 2-like protein | Q6ZNB5 | N / A | 15.8 | 8.53 | 5 (11) |
| Replication stress response regulator SDE2 isoform 1 | Q6IQ49 | SDE2 | 49.7 | 5.77 | 12 (14) |
| RPA-related protein RADX isoform 1 | Q6NSI4 | RADX | 97.5 | 8.65 | 9 (7) |
| RuvB-like 1 isoform 1 | Q9Y265 | RUVBL1 | 50.2 | 6.02 | 7 (4) |
| WD repeat-containing protein 76 | Q9H967 | WDR76 | 69.7 | 9.35 | 8 (7) |
| ***Inactive proteins*** | | | | | |
| Inactive C-alpha-formylglycine-generating enzyme 2, partial | Q8NBJ7  / AAH00224(\*) | SUMF2 | 27.3 | 8.57 | 7 (7) |
| Inactive C-alpha-formylglycine-generating enzyme 2, partial | Q8NBJ7  / AAH06159(\*) | SUMF2 | 33.3 | 7.11 | 7 (5) |
| Inactive C-alpha-formylglycine-generating enzyme 2, partial | Q8NBJ7  / AAH15600(\*) | SUMF2 | 36.8 | 9.33 | 7 (4) |
| Inactive C-alpha-formylglycine-generating enzyme 2 isoform 1 | Q8NBJ7 | SUMF2 | 33.9 | 7.78 | 7 (5) |
| Inactive C-alpha-formylglycine-generating enzyme 2 isoform b precursor | Q8NBJ7  / NP\_056226(\*) | SUMF2 | 35.9 | 9.27 | 7 (5) |
| Inactive C-alpha-formylglycine-generating enzyme 2 isoform c precursor | Q8NBJ7  / NP\_001035934(\*) | SUMF2 | 34.0 | 9.15 | 7 (5) |
| Inactive C-alpha-formylglycine-generating enzyme 2 isoform e precursor | Q8NBJ7  / NP\_001123541(\*) | SUMF2 | 39.5 | 9.75 | 7 (4) |
| Inactive cytidine monophosphate-N-acetylneuraminic acid hydroxylase isoform 1 | Q9Y471 | CMAHP | 58.3 | 5.96 | 7(6) |
| Inactive phospholipase D5 isoform 1 | Q8N7P1 | PLD5 | 61.3 | 8.93 | 7 (7) |
| Protein BEX5 | Q5H9J7 | BEX5 | 12.6 | 4.73 | 5 (11) |
| Sulfatase modifying factor 2 isoform 2 | A0A0S2Z5Q3  / ALQ34041(\*) | SUMF2 | 30.8 | 6.46 | 7 (6) |
| Sulfatase modifying factor 2 isoform 3 | A0A0S2Z548  / ALQ34042(\*) | SUMF2 | 28.9 | 6.13 | 7 (6) |
| Sulfatase-modifying factor 2 isoform X2 | XP\_016867429(\*) | SUMF2 | 39.9 | 9.99 | 7 (4) |
| Sulfatase-modifying factor 2 isoform X3 | XP\_011513556(\*) | SUMF2 | 35.6 | 9.48 | 7 (5) |
| ***Hypothetical proteins. Proteins with unknown functions. Domains*** | | | | | |
| Actin-related protein T2 | Q8TDY3 | ACTRT2 | 41.7 | 5.28 | 6 (9) |
| Alternative protein MTFP1 | L0R6K6  / CCO13775(\*) | MTFP1 | 5.0 | 10.42 | 6 (61) |
| Ankyrin repeat domain 20 family member A19, pseudogene, partial | EAX08330(\*) | ANKRD20A19P | 12.6 | 6.56 | 5 (12) |
| Ankyrin repeat domain-containing protein 55 isoform 1 | Q3KP44 | ANKRD55 | 68.4 | 6.72 | 7 (3) |
| Armadillo repeat-containing protein 2 isoform 1 | Q8NEN0 | ARMC2 | 96.8 | 8.53 | 9 (7) |
| Armadillo repeat-containing X-linked protein 5 | Q6P1M9 | ARMCX5 | 62.3 | 8.85 | 8 (10) |
| Ataxin-7-like protein 1 isoform 1 | Q9ULK2 | ATXN7L1 | 91.5 | 9.82 | 8 (3) |
| Basic immunoglobulin-like variable motif-containing protein isoform 1 | Q86UB2 | BIVM | 56.8 | 9.15 | 10 (6) |
| BEN domain-containing protein 7 isoform 1 | Q8N7W2 | BEND7 | 57.5 | 9.26 | 8 (5) |
| B melanoma antigen 3 | Q86Y29 | BAGE3 | 12.1 | 8.59 | 4 (23) |
| Cancer-associated gene 1 protein isoform 1 | Q8TC20 | CAGE1 | 90.2 | 5.21 | 11 (8) |
| cDNA FLJ32604 fis, clone STOMA1000133 | B3KQ11  / BAG51873(\*) | N / A | 53.3 | 9.34 | 8 (6) |
| cDNA FLJ38948 fis, clone NT2NE2018165, weakly similar to SH2 domain-containing adapter protein E | B3KTY1  / BAG53243(\*) | N / A | 40.2 | 5.34 | 7 (6) |
| cDNA FLJ43465 fis, clone OCBBF2036476 | Q6ZUQ1  / BAC86168(\*) | N / A | 27.2 | 10.04 | 8 (9) |
| cDNA FLJ51353, highly similar to Prostaglandin E synthase 2 | B4DWP1  / BAG63103(\*) | N / A | 21.3 | 6.23 | 7 (24) |
| cDNA FLJ54722, highly similar to Sulfatase-modifying factor 2 | B4DLK7  / BAG59569(\*) | N / A | 31.8 | 7.79 | 7 (5) |
| cDNA FLJ57981, highly similar to Homo sapiens cyclin D binding myb-like transcription factor 1 (DMTF1), mRNA | B4DHK1  / BAG58163(\*) | N / A | 28.3 | 5.24 | 6 (7) |
| cDNA FLJ58218, highly similar to Ankyrin repeat and zinc fingerdomain-containing protein 1 | B4E0V1  / BAG64563(\*) | N / A | 24.3 | 9.95 | 8 (18) |
| cDNA FLJ58677 | B7Z4R2  / BAH12648(\*) | N / A | 51.2 | 9.02 | 8 (6) |
| cDNA FLJ59314, highly similar to UV radiation resistance-associated gene protein | B4DET6  / BAG57197(\*) | N / A | 67.0 | 7.57 | 9 (9) |
| Chromosome 21 open reading frame 13 isoform CRA\_b | U3KPS7  / EAX09643(\*) | LCA5L | 33.1 | 9.62 | 7 (15) |
| Coiled-coil domain-containing protein 57 isoform 1 | Q2TAC2 | CCDC57 | 103.1 | 6.13 | 13 (8) |
| Coiled-coil domain-containing protein 58 | Q4VC31 | CCDC58 | 16.6 | 7.67 | 5 (19) |
| Coilumined-coil domain-containing protein 74A isoform 1 | Q96AQ1 | CCDC74A | 41.6 | 10.52 | 7 (6) |
| Coiled-coil domain-containing protein 74B isoform 1 | Q96LY2 | CCDC74B | 41.8 | 10.46 | 9 (12) |
| Coiled-coil domain-containing protein 122 isoform 1 | Q5T0U0 | CCDC122 | 32.2 | 6.54 | 10 (19) |
| Coiled-coil domain-containing protein 157 | Q569K6 | CCDC157 | 83.9 | 6.76 | 7 (4) |
| Coiled-coil-helix-coiled-coil-helix domain-containing protein 7 isoform 1 | Q9BUK0 | CHCHD7 | 10.1 | 9.10 | 4 (22) |
| EF-hand calcium-binding domain-containing protein 8 | A8MWE9 | EFCAB8 | 16.4 | 5.04 | 5 (11) |
| Golgi-associated kinase 1B isoform 1 | Q6UWH4 | GASK1B | 57.5 | 9.75 | 7 (8) |
| hCG28155 | EAW88098(\*) | N / A | 26.4 | 11.39 | 7 (8) |
| hCG41114 isoform CRA\_a | EAW60404(\*) | N / A | 9.6 | 10.71 | 7 (37) |
| hCG1783682 | EAX07353(\*) | N / A | 6.8 | 8.96 | 5 (23) |
| hCG1785581 isoform CRA\_b, partial | EAW81683(\*) | N / A | 54.0 | 9.77 | 9 (10) |
| hCG1818496 | EAW73761(\*) | N / A | 8.0 | 5.70 | 4 (21) |
| hCG2001898 | EAX04103(\*) | N / A | 11.0 | 8.26 | 5 (17) |
| hCG2017908 | EAW86494(\*) | N / A | 11.1 | 9.93 | 6 (32) |
| hCG2040805, partial | EAW65724(\*) | N / A | 7.1 | 10.01 | 4 (29) |
| hCG2040978, partial | EAW68810(\*) | N / A | 10.6 | 10.49 | 5 (38) |
| hCG2042076, partial | EAW77035(\*) | N / A | 11.3 | 10.32 | 6 (19) |
| hCG2042447, partial | EAW88572(\*) | N / A | 8.3 | 5.69 | 5 (33) |
| hCG2042513, partial | EAW73250(\*) | N / A | 17.8 | 11.34 | 7 (14) |
| HOX A1 protein, partial | Q16125  / AAD14029(\*) | HOX A1 | 4.4 | 11.47 | 5 (32) |
| H.sapiens mRNA 3'-region (unknown function) | Q9UE24  / CAA73007(\*) | N / A | 37.7 | 6.40 | 7 (5) |
| Leucine-rich repeat-containing protein 2 | Q9BYS8 | LRRC2 | 42.9 | 5.79 | 7 (10) |
| Leucine-rich repeat-containing protein 40 | Q9H9A6 | LRRC40 | 68.2 | 6.04 | 9 (8) |
| LYR motif-containing protein 9 | A8MSI8 | LYRM9 | 9.4 | 9.69 | 8 (52) |
| MGC31957 protein | Q9BSH9  / AAH05043(\*) | N / A | 16.4 | 11.89 | 7 (15) |
| MOSPD1 | Q2I381  / ABC88594(\*) | N / A | 18.4 | 8.33 | 8 (24) |
| myb / SANT-like DNA-binding domain-containing protein 2 isoform X1 | XP\_011541283(\*) | MSANTD2 | 42.9 | 9.32 | 7 (5) |
| PACRG-like protein isoform 1 | Q8N7B6  / PACRL(\*) | PACRGL | 27.1 | 9.71 | 6 (15) |
| Paraneoplastic antigen-like protein 8B isoform 2 | Q9ULN7 | PNMA8B | 68.6 | 5.35 | 12 (6) |
| Phosphodiesterase I / nucleotide pyrophosphatase 1, partial | Q9NS95  / BAA97562(\*) | PDNP1 | 8.1 | 6.56 | 5 (22) |
| Pleckstrin homology domain-containing family D member 1 isoform 1 | A6NEE1 | PLEKHD1 | 59.2 | 6.10 | 9 (9) |
| Pleckstrin homology domain-containing family D member 1 isoform X1 | XP\_016876779(\*) | PLEKHD1 | 48.0 | 5.76 | 9 (11) |
| Pleckstrin homology domain-containing family D member 1 isoform X2 | XP\_011535064(\*) | PLEKHD1 | 44.7 | 5.82 | 9 (12) |
| Prostate and breast cancer overexpressed gene 1 protein | Q9GZY1 | PBOV1 | 15.7 | 9.77 | 6 (11) |
| Protein FAM149A isoform 1 | A5PLN7  / NP\_056213(\*) | FAM149A | 53.2 | 9.52 | 8 (6) |
| Protein FAM149A isoform 2 | NP\_001337107(\*) | FAM149A | 53.1 | 9.52 | 8 (6) |
| Protein FAM149A isoform CRA\_a | EAX04625(\*) | FAM149A | 53.2 | 9.47 | 8 (6) |
| Protein FAM149A isoform CRA\_c | EAX04627(\*) | FAM149A | 53.1 | 9.47 | 8 (6) |
| Protein FAM149A isoform X1 | XP\_011530136(\*) | FAM149A | 54.1 | 8.41 | 8 (5) |
| Protein FAM149A isoform X4 | XP\_011530138(\*) | FAM149A | 51.3 | 9.16 | 8 (6) |
| Protein FAM149A isoform X5 | XP\_016863487(\*) | FAM149A | 51.1 | 9.20 | 8 (6) |
| Protein FAM149A isoform X7 | XP\_005262968(\*) | FAM149A | 54.3 | 8.41 | 8 (5) |
| Protein FAM149A isoform X10 | XP\_016863496(\*) | FAM149A | 51.3 | 9.20 | 8 (6) |
| Protein FAM153A | Q9UHL3  / F153A(\*) | FAM153A | 34.7 | 4.68 | 6 (9) |
| Protein FAM171B isoform 1 | Q6P995 | FAM171B | 92.1 | 8.79 | 10 (7) |
| Protein LKAAEAR1 isoform 1 | Q8TD35 | LKAAEAR1 | 21.5 | 10.61 | 5 (11) |
| Protein SLX4IP | Q5VYV7 | SLX4IP | 45.5 | 9.50 | 7 (10) |
| Putative TBC1 domain family member 29 | Q9UFV1 | TBC1D29P | 16.3 | 9.33 | 5 (10) |
| Putative uncharacterized protein encoded by LINC00167 | Q96N53 | LINC00167 | 15.4 | 11.86 | 5 (21) |
| Putative uncharacterized protein encoded by LINC00271 | P0C7V0 | LINC00271 | 29.1 | 11.35 | 6 (12) |
| Putative uncharacterized protein encoded by LINC00612 | Q8N6U2 | LINC00612 | 18.4 | 11.05 | 6 (10) |
| Putative uncharacterized protein encoded by ZNF503-AS2 | A6NEH8 | ZNF503-AS2 | 20.9 | 11.72 | 6 (9) |
| Putative uncharacterized protein ENSP00000381830 | A8MUN3 | N / A | 14.2 | 9.10 | 6 (13) |
| Putative uncharacterized protein PSMG3-AS1 | Q96PY0 | PSMG3-AS1 | 28.2 | 11.15 | 8 (7) |
| Putative UPF0607 protein ENSP00000381514 | A8MUA0 | N / A | 37.8 | 10.75 | 7 (8) |
| Putative UPF0607 protein ENSP00000382826 | A8MV72 | N / A | 34.1 | 10.58 | 7 (9) |
| Putative UPF0607 protein ENSP00000383783 | A8MUI8 | N / A | 37.6 | 9.90 | 7 (12) |
| PWWP domain-containing protein MUM1L1 | Q5H9M0 | PWWP3B | 79.0 | 4.88 | 8 (6) |
| RNA exonuclease 1 homolog isoform 1 | Q8N1G1 | REXO1 | 131.4 | 9.12 | 39 (22) |
| RNA exonuclease 1 homolog isoform CRA\_b | EAW69451(\*) | REXO1 | 131.3 | 9.12 | 7 (4) |
| RNA exonuclease 1 homolog isoform X1 | XP\_011526446(\*) | REXO1 | 148.5 | 9.20 | 13 (6) |
| RNA exonuclease 1 homolog isoform X2 | XP\_016882517(\*) | REXO1 | 147.6 | 9.27 | 13 (6) |
| RNA exonuclease 1 homolog isoform X4 | XP\_016882518(\*) | REXO1 | 132.3 | 9.04 | 13 (7) |
| RNA exonuclease 1 homolog isoform X5 | XP\_016882519(\*) | REXO1 | 89.4 | 9.41 | 7 (5) |
| SEC14-like protein 5 | O43304 | SEC14L5 | 78.9 | 6.08 | 8 (5) |
| Single-pass membrane and coiled-coil domain-containing protein 4 | Q9NRQ5 | SMCO4 | 6.7 | 10.28 | 5 (27) |
| Small EDRK-rich factor 2 isoform 1 | P84101 | SERF2 | 6.9 | 10.44 | 8 (37) |
| Small integral membrane protein 8 | Q96KF7 | SMIM8 | 11.1 | 9.30 | 6 (15) |
| Small integral membrane protein 10 | Q96HG1 | SMIM10 | 9.2 | 10.36 | 4 (26) |
| Speriolin-like protein isoform 1 | Q9H0A9 | SPATC1L | 37.6 | 7.05 | 7 (9) |
| Spermatogenesis-associated protein 8 isoform 1 | Q6RVD6 | SPATA8 | 11.7 | 10.09 | 5 (16) |
| SPRY domain-containing protein 3 | Q8NCJ5 | SPRYD3 | 49.7 | 5.78 | 7 (9) |
| Testis-expressed basic protein 1 isoform 1 | Q5SRN2 | TSBP1 | 61.6 | 9.28 | 11 (6) |
| Testis-expressed protein 45 | Q8NA69 | TEX45 | 57.3 | 9.04 | 7 (7) |
| Transmembrane protein 74B | Q9NUR3 | TMEM74B | 27.5 | 6.97 | 6 (8) |
| Transmembrane protein 81 | Q6P7N7 | TMEM81 | 28.5 | 8.92 | 8 (10) |
| Transmembrane protein 236 | Q5W0B7 | TMEM236 | 39.6 | 9.36 | 5 (7) |
| Uncharacterized protein C1orf21 | Q9H246 | C1orf21 | 13.9 | 5.17 | 6 (28) |
| Uncharacterized protein C2orf73 isoform 1 | Q8N5S3 | C2orf73 | 32.1 | 9.07 | 7 (13) |
| Uncharacterized protein C6orf163 | Q5TEZ5 | C6orf163 | 38.5 | 6.49 | 9 (13) |
| Uncharacterized protein C10orf95 | Q9H7T3 | C10orf95 | 26.2 | 11.69 | 8 (10) |
| Uncharacterized protein C11orf96 | Q7Z7L8 | C11orf96 | 46.1 | 10.04 | 8 (10) |
| Uncharacterized protein C12orf45 | Q8N5I9 | C12orf45 | 20.1 | 5.10 | 6 (12) |
| Uncharacterized protein C13orf42 | A0A1B0GVH6 | C13orf42 | 37.4 | 9.25 | 7 (11) |
| Uncharacterized protein C17orf100 | A8MU93 | C17orf100 | 13.0 | 11.57 | 5 (40) |
| Uncharacterized protein C19orf18 | Q8NEA5 | C19orf18 | 24.1 | 9.06 | 6 (14) |
| Uncharacterized protein C22orf42 | Q6IC83 | C22orf42 | 27.7 | 5.02 | 6 (11) |
| Uncharacterized protein CCDC197 isoform 1 | Q8NCU1 | CCDC197 | 16.1 | 6.10 | 5 (16) |
| Uncharacterized protein DKFZp434D2429 | Q8NDM9  / CAD38694(\*) | DKFZp434D2429 | 40.1 | 5.36 | 6 (10) |
| Uncharacterized protein LOC105375106 | XP\_011513349(\*) | N / A | 27.1 | 9.67 | 7 (12) |
| UPF0428 protein CXorf56 isoform 3 | Q9H5V9  / BAG60994(\*) | CXorf56 | 23.9 | 8.63 | 7 (16) |
| UPF0687 protein C20orf27 isoform 1 | Q9GZN8 | C20orf27 | 19.3 | 6.34 | 8 (30) |
| UPF0687 protein C20orf27 isoform 2 | Q9GZN8  / NP\_001034229(\*) | C20orf27 | 21.6 | 6.89 | 6 (20) |
| X antigen family member 5 | Q8WWM1 | XAGE5 | 12.1 | 4.81 | 5 (12) |
| Zinc finger CCCH-type antiviral protein 1-like isoform 1 | Q96H79 | ZC3HAV1L | 32.9 | 8.50 | 6 (17) |

(Note. Abbreviations: AAC, amino acid coverage; MW, molecular weight; pI, isoelectric point; N / A, not applicable or not available).