Supplementary Table 1. Sequences of real-time PCR primers

|  |  |  |  |
| --- | --- | --- | --- |
| mRNA | Primer | Sequences (5′-3 ′) | Annealing temperature |
| Human-*aqp5* | Forward | TCCATTGGCCTGTCTGTCAC | 60°C |
| Reverse | GTCCTCGTCAGGCTCATACG |  |
| Human- *lyz* | Forward | TCAGCCTAGCAAACTGGATGT | 56°C |
| Reverse | ACAAGCTACAGCATCAGCGA |  |
| Human- *reg1a* | Forward | ATGACCCCAAAAAGAACCGC | 58°C |
| Reverse | AGTTGGAGAGATGGTCCGGT |  |
| Human- *reg3a* | Forward | CCATATCCCACCAGAGAGTGAC | 57°C |
| Reverse | GCCAGATCTGCATCTGTCCA |  |
| Human-*ctgf* | Forward | ATTCTGTGGAGTATGTACCGAC | 54°C |
| Reverse | GTCTCCGTACATCTTCCTGTAG |  |
| Human-*cd133* | Forward | GAGCTAAGGGAAGGGCGG | 60°C |
| Reverse | TTCTGTCTGAGGCTGGCTTG |  |
| Human-*nanog* | Forward | CCTGATTCTTCCACCAGTCC | 60°C |
| Reverse | TGCTATTCTTCGGCCAGTTG |  |
| Human-*lgr5* | Forward | CATCAGCTATGTGCCCCCAA | 62°C |
| Reverse | TGTGGAGCCCATCAAAGCAT |  |
| Human-*β-actin* | Forward | GACCTGTACGCCAACACAGT | 59°C |
| Reverse | CTCAGGAGGAGCAATGATCT |  |
| Human-*ck18* | Forward | CTGTCCTTTCTCTCTCCCCG | 60°C |
|  | Reverse | CGTTCAGGCTTTGCATGGTC |  |
| Human-*oct18* | Forward | TTGAGGCTCTGCAGCTTAG | 60°C |
|  | Reverse | GCCGGTTACAGAACCACAC |  |
| Human-*muc1* | Forward | TCTCAGACGTCAGCGTGAGT | 60°C |
|  | Reverse | CTCGCTCATAGGATGGTAGG |  |
| Human-*sox2* | Forward | ACACCAATCCCATCCACACT | 60°C |
|  | Reverse | GCAAACTTCCTGCAAAGCTC |  |

Supplementary Table 2. Primary Antibodies

|  |  |  |  |
| --- | --- | --- | --- |
| Primary Antibody | Source | Detection and dilution ratio | Manufacturer |
| GAPDH | Rabbit | WB1:10000 | Bioworld(RRID:AB\_2651132) |
| β-Actin | Rabbit | WB1:1000 | Abclonal（RRID:AB\_2737399） |
| AQP5 | Rabbit | WB1:1000 | Abways |
| AQP5 | Rabbit | FC 1:200 | Absin |
| LGR5 | Rabbit | WB1:1000/IHC1:100 | Abclonal（RRID:AB\_2759834） |
| LC3 | Rabbit | WB1:1000 | Cell signaling technology |
| P62 | Mice | WB1:1000 | Cell signaling technology（RRID:AB\_2890160） |
| CD133 | Rabbit | WB1:1000 | Abclonal |
| Sox2 | Mice | WB1:1000/IHC1:100 | Cell signaling technology（RRID:AB\_2195767） |
| ULK1 | Rabbit | WB1:500 | Abways |
| BECLIN1 | Rabbit | IHC1:50 | Bioworld |
| HA-tag | Rabbit | WB1:1000 | Cell signaling technology（RRID:AB\_2890916） |
| FLAG-tag | Rabbit | WB1:1000 | Cell signaling technology |
| MYC-tag | Goat | WB1:1000 | Cell signaling technology（RRID:AB\_10692100） |
| Ubiquitin | Mice | WB1:1000 | Cell signaling technology（RRID:AB\_331292） |
| K63-Ubiquitin | Mice | WB1:1000 | Cell signaling technology |
| ATG5 | Rabbit | WB1:1000 | Cell signaling technology (RRID:AB\_2630393) |
| PE anti-human CD133 Antibody | Rabbit | Flow 1:200 | Biolegend(RRID:AB\_2734477) |
| PE anti-human LGR5 Antibody | Rabbit | FC 1:200 | Biolegend(RRID:AB\_2922590) |
| PE anti-human CD44 Antibody | Rabbit | FC 1:200 | Biolegend(RRID:AB\_2260222) |
| PE Mouse IgG1, kappa Isotype | Rabbit | FC 1:200 | Biolegend(RRID:AB\_326435) |
| ATG7 | Rabbit | WB1:1000 | Cell signaling technology (RRID:AB\_2227783) |
| ATG12 | Rabbit | WB1:1000 | Cell signaling technology (RRID:AB\_2059086) |
| ATG16L1 | Rabbit | WB1:1000 | Cell signaling technology (RRID:AB\_10950320) |
| K48-Ubiquitin | Rabbit | WB1:1000 | Abclonal |
| K27-Ubiquitin | Rabbit | WB1:1000 | Abclonal |
| TRIM21 | Sheep | WB1:400 | R&d Systems |
| PE Mouse IgG1, kappa Isotype | Rabbit | Flow 1:200 | Biolegend(RRID:AB\_326435) |

Supplementary Table 3. Second Antibodies

|  |  |  |
| --- | --- | --- |
| Second Antibody | Detection and dilution ratio | Manufacturer |
| Anti-Rabbit antibody-HRP | WB1:2000 | Cell signaling technology |
| Anti-Mice antibody-HRP | WB1:2000 | Cell signaling technology |
| Anti-Sheep antibody-HRP | WB1:2000 | Abcam(RRID:AB\_955383) |
| Anti-Goat antibody-HRP | WB1:2000 | Cell signaling technology |
| Anti-sheep antibody-HRP | WB1:2000 | Abcam(RRID:AB\_955383) |
| Anti-Mice antibody-Alexa Fluor 488 | IF 1:1000 | Cell signaling technology |
| Anti-Goat antibody-Alexa Fluor 555 | IF 1:1000 | Abcam |
| Anti-Rabbit antibody-Alexa Fluor 488 | FC 1:200 | Absin |

Supplementary Table 4. ShRNA or siRNA Oligonucleotides

|  |  |
| --- | --- |
| Target Gene | Sequences (5′-3 ′) |
| Human-AQP5 | Forward CcggCCGTGTTCGCAGAGTTCTTcTCAAGAGAAAGAACTCTGCGAACACGGTTTTTTg |
| Reverse aattcaaaaaaCCGTGTTCGCAGAGTTCTTTCTCTTGAgAAGAACTCTGCGAACACGG |
| Human-ATG7(siRNA) | Forward CCAACACACUCGAGUCUUUdUdUdTdT |
| Reverse AAAGACUCGAGUGUGUUGGdUdUdTdT |
| Human-TRIM21(siRNA) | Forward GCAGCACGCUUGACAAUGAdTdT |
| Reverse UCAUUGUCAAGCGUGCUGCdTdT |
| Negative control(siRNA) | Forward UUCUCCGAACGUGUCACGUdTdT |
| Reverse ACGUGACACGUUCGGAGAAdTdT |
| Human-UBB(siRNA) | Forward GUGAAGGCCAAGAUCCAAGAUdTdT |
|  | Reverse AUCUUGGAUCUUGGCCUUCACdTdT |
| Human-UBC(siRNA) | Forward CGAGAAUGUCAAGGCAAAGAUdTdT |
|  | Reverse AUCUUUGCCUUGACAUUCUCGdTdT |
| Human-LGR5 | Forward  CcggTGCGGGAAACGCTCTGACATCTCGAGTATGTCAGAGCGTTTCCCGCATTTTTg |
|  | Reverse  GATCCAAAAATGCGGGAAACGCTCTGACATA CTCGAGTATGTCAGAGCGTTTCCCGCA |

Supplementary Table 5. Tumorigenicity of knockdown AQP5 and control group

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 102  (cells) | 103  (cells) | 104  (cells) | 105  (cells) | 106  (cells) |
| sh control | n=3/6 | n=5/6 | n=5/6 | n=5/6 | n=6/6 |
| sh AQP5 | n=0/6 | n=3/6 | n=5/6 | n=5/6 | n=6/6 |

Supplementary Table 6. Tumorigenicity of knockdown AQP5 and control group

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 102  (cells) | 103  (cells) | 104  (cells) | 105  (cells) | 106  (cells) |
| Ad vector | n=1/6 | n=5/6 | n=5/6 | n=5/6 | n=6/6 |
| Ad AQP5 | n=3/6 | n=6/6 | n=5/6 | n=6/6 | n=6/6 |

Supplementary Table 7. Tumorigenicity of knockdown AQP5 and LGR5

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 102  (cells) | 103  (cells) | 104  (cells) | 105  (cells) |
| sh control | n=1/4 | n=4/4 | n=4/4 | n=4/4 |
| sh LGR5 | n=0/4 | n=2/4 | n=4/4 | n=4/4 |
| sh AQP5 | n=0/4 | n=3/4 | n=4/4 | n=4/4 |
| sh AQP5/LGR5 | n=0/4 | n=0/4 | n=2/4 | n=4/4 |

Supplementary Table 8. Differentially expressed genes between exogenous overexpression of AQP5 and control group

|  |  |  |
| --- | --- | --- |
| Gene Symbol | log2 (Ad aqp5 / Ad vector) | FDR (Ad aqp5 / Ad vector) |
| 'AQP5' | 10.62976296 | 0 |
| 'LYZ' | 1.164697279 | 0 |
| 'PCDH7' | 1.575058377 | 1.29E-195 |
| 'FGG' | 2.029559798 | 1.64E-171 |
| 'DYNLRB1' | 1.197199974 | 2.31E-163 |
| 'FGB' | 2.130123993 | 1.15E-129 |
| 'SLC7A8' | 1.061580843 | 8.72E-119 |
| 'LOC112267876' | 1.339806666 | 2.60E-103 |
| 'PRSS2' | 1.013539009 | 3.48E-102 |
| 'CLDN2' | 1.121128204 | 5.83E-91 |
| 'FGA' | 1.265242166 | 1.20E-87 |
| 'ALPP' | -1.357756174 | 6.00E-87 |
| 'IGFBP5' | 1.704290901 | 5.29E-82 |
| 'FLG' | -1.211504105 | 2.75E-68 |
| 'HOTS' | 1.368820442 | 1.77E-63 |
| 'FRAS1' | -1.018513298 | 7.52E-61 |
| 'TENM3' | -1.256098359 | 1.44E-60 |
| 'RPL17-C18orf32' | 5.977279923 | 1.64E-48 |
| 'CHAC1' | -1.119874832 | 1.69E-47 |
| 'RHOBTB1' | 2.552296312 | 2.54E-45 |
| 'KIAA0754' | -1.529024329 | 5.97E-40 |
| 'GNE' | -1.475652782 | 4.99E-36 |
| 'REG1A' | 1.153083359 | 7.65E-36 |
| 'TMEM189-UBE2V1' | -7.807354922 | 3.62E-35 |
| 'PTCD1' | -1.445411148 | 1.48E-34 |
| 'LOC102724200' | 7.294620749 | 6.99E-27 |
| 'PMCH' | 1.573978194 | 7.30E-26 |
| 'ANK1' | -1.350497247 | 5.43E-23 |
| 'PLAT' | -1.417767292 | 2.35E-20 |
| 'SCEL' | -1.00507099 | 1.72E-19 |
| 'POC1B-GALNT4' | 1.738996129 | 9.42E-19 |
| 'CDRT4' | -7.118941073 | 1.47E-18 |
| 'GPX5' | 1.563003248 | 7.35E-18 |
| 'HR' | 1.077637411 | 1.00E-17 |
| 'SARM1' | -1.26934818 | 4.19E-17 |
| 'MATN2' | -1.988318195 | 7.27E-17 |
| 'FAM72C' | -1.358971437 | 1.19E-16 |
| 'PGC' | 2.569263814 | 3.24E-16 |
| 'GPR75-ASB3' | -2.561655127 | 3.80E-16 |
| 'PRDM1' | -1.078777113 | 6.72E-16 |
| 'RND1' | 1.076272741 | 1.59E-15 |
| 'COL17A1' | -1.650925763 | 2.02E-15 |
| 'CCDC80' | -1.527247003 | 2.40E-15 |
| 'VGLL1' | -1.625461863 | 3.09E-15 |
| 'C7orf55-LUC7L2' | 1.133050758 | 3.13E-15 |
| 'PRAF2' | 1.142132849 | 1.63E-14 |
| 'CORO7-PAM16' | -6.209453366 | 2.22E-14 |
| 'GALNT4' | -1.321928095 | 2.57E-13 |
| 'IHH' | 1.319501357 | 2.73E-13 |
| 'LGALS9' | 1.479093866 | 5.42E-13 |
| 'LRRC37A' | -1.222392421 | 5.88E-13 |
| 'MMP7' | 1.961005868 | 2.41E-12 |
| 'HABP2' | 2.216811389 | 2.62E-12 |
| 'HSPE1-MOB4' | -5.672425342 | 1.05E-11 |
| 'MPP1' | 2.425484287 | 1.40E-11 |
| 'TTN' | -2.700439718 | 1.74E-11 |
| 'NFE2' | 1.082989365 | 3.82E-11 |
| 'TNFAIP8L2-SCNM1' | -6.781359714 | 4.11E-11 |
| 'CAPN8' | -1.153570389 | 4.89E-11 |
| 'LOC101928589' | 2.286881148 | 6.45E-11 |
| 'TBC1D3C' | 2.599037686 | 9.62E-11 |
| 'RPS10-NUDT3' | -6.303780748 | 1.58E-10 |
| 'TCN1' | 1.721760723 | 3.21E-10 |
| 'ABHD14A-ACY1' | -6.658211483 | 6.09E-10 |
| 'TIAF1' | 3.724892762 | 1.34E-09 |
| 'IFI44L' | 1.35614381 | 2.66E-09 |
| 'FGF20' | 1.235783041 | 6.03E-09 |
| 'EAF2' | 1.036592053 | 6.31E-09 |
| 'C18orf32' | -1.040434864 | 1.02E-08 |
| 'C8orf44-SGK3' | -2.067114196 | 1.91E-08 |
| 'NPY4R' | 1.868755467 | 1.66E-07 |
| 'LDLRAD2' | 1.064705689 | 1.90E-07 |
| 'BUB1B-PAK6' | 5.169925001 | 3.04E-07 |
| 'PXDN' | -2.662965013 | 3.19E-07 |
| 'SPDEF' | 1.281850656 | 3.61E-07 |
| 'TVP23C-CDRT4' | 1.00877021 | 3.69E-07 |
| 'RGS8' | -1.750021747 | 4.06E-07 |
| 'HIST1H4K' | 8.693486957 | 5.74E-07 |
| 'NPY4R2' | -2.222392421 | 8.14E-07 |
| 'PTPRO' | 2.021061616 | 9.88E-07 |
| 'ABCA12' | -1.444784843 | 1.22E-06 |
| 'KRT6A' | -2.247927513 | 1.67E-06 |
| 'SHC3' | -1.08246216 | 1.68E-06 |
| 'TOX3' | 2.263034406 | 1.96E-06 |
| 'C6orf222' | 1.01720929 | 1.96E-06 |
| 'TUBB6' | -2.502500341 | 2.92E-06 |
| 'AGAP5' | 1.944290567 | 3.66E-06 |
| 'NT5E' | -3.201633861 | 4.01E-06 |
| 'CFB' | 1.062284278 | 4.66E-06 |
| 'ADAMTSL2' | 1.092118202 | 5.34E-06 |
| 'RASA4B' | -1.309684499 | 5.89E-06 |
| 'HIST1H4J' | -8.409390936 | 7.09E-06 |
| 'LOC101059949' | -2.23878686 | 1.90E-05 |
| 'TBC1D3H' | -1.371968777 | 2.04E-05 |
| 'ACVR1C' | 1.624490865 | 2.24E-05 |
| 'LOC644634' | 4.906890596 | 2.49E-05 |
| 'DUOX2' | -1.74723393 | 2.59E-05 |
| 'S100A9' | -1.984503664 | 2.70E-05 |
| 'ALPG' | -1.302028537 | 3.93E-05 |
| 'TGIF2-RAB5IF' | -6.459431619 | 5.09E-05 |
| '112267923' | -5.129283017 | 5.09E-05 |
| 'SPINK1' | 1.226068079 | 6.91E-05 |
| 'MCAM' | -1.716207034 | 7.58E-05 |
| 'LOC102724951' | -2.371968777 | 7.98E-05 |
| 'LOC107987477' | 5.087462841 | 8.72E-05 |
| 'DGCR6' | 6.339850003 | 8.72E-05 |
| 'TTLL3' | -1.519374159 | 8.81E-05 |
| 'SCHIP1' | -5.832890014 | 9.79E-05 |
| 'ANKRD20A4' | 2.963474124 | 1.04E-04 |
| 'KCNC3' | -1.174774401 | 1.18E-04 |
| 'PAK6' | -2.201633861 | 1.33E-04 |
| 'GIF' | 5.832890014 | 1.61E-04 |
| 'LOC388436' | 5.491853096 | 1.61E-04 |
| 'CEMP1' | 4.044394119 | 1.61E-04 |
| 'FADS1' | -1.719892081 | 1.73E-04 |
| 'NPPB' | -1.160077215 | 2.30E-04 |
| 'SERPINE1' | -1.267933205 | 2.55E-04 |
| 'MRPL23' | -1.79970135 | 2.58E-04 |
| 'TICAM2' | 4.700439718 | 2.97E-04 |
| 'ELF5' | -3.321928095 | 3.57E-04 |
| 'SNRPN' | -1.650253961 | 4.52E-04 |
| 'LOC101928841' | -1.237039197 | 5.00E-04 |
| 'ITPR1' | -1.432959407 | 5.42E-04 |
| 'CDKN1C' | 1.04405518 | 6.30E-04 |
| 'FAM43A' | -4.523561956 | 6.76E-04 |
| 'PPARGC1A' | 1.06871275 | 7.57E-04 |
| 'IGFBP7' | -4 | 7.65E-04 |
| 'IL1B' | -3.906890596 | 7.65E-04 |
| 'SBSPON' | -2.039528364 | 7.67E-04 |
| 'ALOXE3' | -1.678071905 | 8.47E-04 |
| 'PIK3IP1' | 1.025237291 | 8.77E-04 |

Supplementary Table 9. Differentially expressed genes between exogenous overexpression of AQP5 and control group

|  |  |  |
| --- | --- | --- |
| Gene Symbol | log2 (sh aqp5 / shcontrol) | FDR (sh aqp5 / shcontrol) |
| 'SIK1B' | -1.382899576 | 0 |
| 'MYL9' | 1.147537983 | 0 |
| 'HSPH1' | 1.052850241 | 0 |
| 'ADRM1' | 1.172384025 | 0 |
| 'SYNPO' | -2.881617732 | 0 |
| 'CLTB' | 1.040449311 | 0 |
| 'S100A16' | 1.048817735 | 0 |
| 'DAG1' | -1.14165405 | 0 |
| 'EGR1' | -4.569830255 | 0 |
| 'SERPINB1' | -1.294229832 | 0 |
| 'FASN' | -1.16380944 | 0 |
| 'DKK1' | 1.018729739 | 0 |
| 'FOXC1' | -1.264280436 | 0 |
| 'ATP11A' | -1.235527471 | 0 |
| 'SLC39A14' | -1.236122238 | 0 |
| 'CABIN1' | -1.39475922 | 0 |
| 'SRRM2' | -1.02034772 | 0 |
| 'FOS' | -6.046057169 | 0 |
| 'FOSB' | -5.395311284 | 0 |
| 'GATM' | -1.685320465 | 0 |
| 'HSPB8' | 1.549308746 | 0 |
| 'SFN' | 1.537998017 | 0 |
| 'GPX3' | 1.618858997 | 0 |
| 'HMOX1' | 1.358516218 | 0 |
| 'NR4A1' | -2.242120003 | 0 |
| 'HES1' | -2.456110814 | 0 |
| 'HSPA1B' | 2.659301023 | 0 |
| 'HSPA8' | 1.479678936 | 0 |
| 'DNAJB1' | 1.350964399 | 0 |
| 'HSPG2' | -1.387248359 | 0 |
| 'KRT6A' | 5.685271342 | 0 |
| 'LAMA5' | -1.228502515 | 0 |
| 'BCAM' | -1.334330321 | 0 |
| 'MYL6' | 1.011278924 | 0 |
| 'SERPINB2' | 5.34021846 | 0 |
| 'JPT1' | 1.125797457 | 0 |
| 'PSMB5' | 1.062072689 | 0 |
| 'RRBP1' | -1.337888401 | 0 |
| 'SCD' | -1.899289791 | 0 |
| 'C19orf33' | 1.265592545 | 0 |
| 'SLC12A2' | -1.044380597 | 0 |
| 'BMPR2' | -1.627787689 | 0 |
| 'SOX9' | -1.438556271 | 0 |
| 'TAGLN' | 1.918843398 | 0 |
| 'ZFP36' | -1.424800328 | 0 |
| 'MYH14' | -1.117603966 | 0 |
| 'ZNF703' | -1.53837801 | 0 |
| 'AXIN2' | -1.289167258 | 0 |
| 'ENC1' | -1.071993337 | 0 |
| 'LGR5' | -1.313971606 | 0 |
| 'SQSTM1' | 1.267824271 | 0 |
| 'IL32' | 1.938668157 | 0 |
| 'FOXQ1' | -1.115506787 | 0 |
| 'CTGF' | -1.369372152 | 6.46E-301 |
| 'CHD3' | -1.5742143 | 5.49E-295 |
| 'TXNRD1' | 1.253167376 | 1.28E-291 |
| 'IDH1' | -1.369885337 | 7.34E-291 |
| 'PLK2' | -1.366739721 | 1.65E-287 |
| 'NAV2' | -2.829224102 | 2.81E-286 |
| 'NID1' | -3.363935621 | 6.99E-285 |
| 'SRSF5' | -1.302461655 | 2.06E-283 |
| 'IRF2BP2' | -1.284588287 | 1.32E-275 |
| 'ATP1B1' | -1.162024798 | 3.92E-274 |
| 'MYEOV' | 1.086615642 | 5.96E-270 |
| 'SDCBP2' | 2.27806221 | 3.49E-269 |
| 'TNFRSF12A' | 1.01583151 | 1.23E-267 |
| 'HSPA1A' | 2.570400207 | 1.67E-266 |
| 'SRSF6' | -1.12259915 | 2.02E-265 |
| 'ATP9A' | -1.229396809 | 8.19E-260 |
| 'LRP1' | -2.035792262 | 9.59E-260 |
| 'C1GALT1' | -1.338849035 | 2.10E-253 |
| 'MUC1' | -1.552187078 | 2.17E-249 |
| 'RDH11' | -1.819303325 | 1.04E-241 |
| 'SPRR2D' | 6.367025551 | 9.87E-241 |
| 'PGM1' | -1.322585584 | 5.91E-233 |
| 'SLC7A8' | -2.838309455 | 7.68E-232 |
| 'BHLHE40' | -1.231149135 | 5.43E-230 |
| 'HSPA6' | 7.056057037 | 1.16E-229 |
| 'DEDD2' | 1.606722477 | 1.18E-226 |
| 'GPX2' | 1.249383738 | 7.37E-225 |
| 'MICAL2' | -1.132376215 | 3.35E-224 |
| 'TM7SF3' | -1.121470407 | 9.22E-222 |
| 'CLU' | 2.249181422 | 1.61E-221 |
| 'TM4SF1' | 1.383185763 | 2.78E-216 |
| 'RUNX1' | -1.291320403 | 1.68E-214 |
| 'IER2' | -1.198115265 | 1.78E-209 |
| 'H2AFX' | 1.27735743 | 2.40E-208 |
| 'C4BPB' | 1.657916433 | 2.71E-207 |
| 'DYNLRB1' | 1.306139209 | 3.98E-207 |
| 'FOSL1' | 1.244293579 | 1.50E-196 |
| 'SCARB2' | -1.13629143 | 5.87E-194 |
| 'CLDN2' | -3.584962501 | 6.27E-194 |
| 'TNRC18' | -1.308394939 | 1.09E-193 |
| 'RNF213' | -1.510000443 | 9.80E-193 |
| 'SIPA1L3' | -1.020288923 | 7.73E-191 |
| 'SREBF1' | -1.177801427 | 5.05E-190 |
| 'CTSH' | -1.046559401 | 1.40E-188 |
| 'LENG8' | -1.210114092 | 2.29E-185 |
| 'FPR3' | -1.265149485 | 6.98E-183 |
| 'UNC5CL' | -1.447626918 | 3.48E-182 |
| 'TRIM29' | 3.137740245 | 1.21E-175 |
| 'EMP3' | 1.151859094 | 1.46E-173 |
| 'ATF3' | -1.393446381 | 1.54E-171 |
| 'ZFP36L2' | -1.129382179 | 3.83E-170 |
| 'NUMA1' | -1.136002615 | 1.67E-168 |
| 'FOXP1' | -1.491156632 | 1.15E-163 |
| 'FGA' | -4.62388149 | 1.47E-161 |
| 'REC8' | -1.027844102 | 5.54E-159 |
| 'SERINC5' | -1.390244168 | 8.78E-159 |
| 'JUNB' | -1.311567268 | 1.42E-157 |
| 'ETS2' | -1.096437874 | 9.00E-157 |
| 'GCLM' | 1.364585992 | 7.92E-155 |
| 'LGR4' | -1.087560721 | 8.69E-154 |
| 'PTPRU' | -1.210640281 | 1.00E-149 |
| 'VEGFA' | -1.492935624 | 4.81E-149 |
| 'TMEM63A' | -1.033440967 | 3.23E-148 |
| 'VTN' | -1.190300009 | 1.37E-144 |
| 'SCNN1A' | -3.75227865 | 4.44E-143 |
| 'FUT1' | -1.50286374 | 1.98E-142 |
| 'EDAR' | -1.501334889 | 5.60E-141 |
| 'MOV10' | -1.011758884 | 1.95E-140 |
| 'ARID5B' | -1.474706325 | 4.33E-139 |
| 'GNPAT' | -1.163853593 | 1.03E-138 |
| 'CLSTN3' | -1.404479308 | 1.61E-137 |
| 'PRSS3' | 1.65422085 | 1.65E-137 |
| 'ID2' | -2.225382464 | 5.81E-137 |
| 'TRIM47' | 1.579233325 | 6.09E-136 |
| 'SYNE2' | -1.49990215 | 1.20E-132 |
| 'ROR1' | -1.582268392 | 4.28E-131 |
| 'KRT17' | 1.193131516 | 4.68E-128 |
| 'GJB3' | 1.149178264 | 6.53E-127 |
| 'ZC3H4' | -1.256877546 | 7.19E-127 |
| 'HMGCR' | -1.112084635 | 5.62E-126 |
| 'OSGIN1' | 1.944025481 | 6.47E-126 |
| 'CDH17' | -1.386870481 | 2.25E-125 |
| 'NIPSNAP1' | -1.604777236 | 8.81E-123 |
| 'PHC1' | -2.048744334 | 1.80E-122 |
| 'PHLDB2' | 1.54616023 | 5.05E-122 |
| 'CEACAM1' | -1.188987211 | 5.29E-122 |
| 'GDE1' | -1.476671824 | 5.35E-121 |
| 'ZMYM3' | -1.310651476 | 1.27E-120 |
| 'MORC4' | -1.202635791 | 9.56E-120 |
| 'C1orf198' | -1.324404825 | 2.14E-119 |
| 'SORL1' | -1.521988584 | 7.04E-119 |
| 'APBB2' | -1.332374225 | 4.22E-118 |
| 'GNS' | -1.115477217 | 2.25E-116 |
| 'NPPB' | 3.042996062 | 2.52E-115 |
| 'PSG11' | -2.273300326 | 3.68E-115 |
| 'TGM2' | -2.04000235 | 9.71E-115 |
| 'FZD7' | -1.347972703 | 1.39E-114 |
| 'TBC1D2' | 1.678071905 | 7.08E-114 |
| 'LIPG' | -1.075568823 | 1.92E-113 |
| 'CDX2' | -1.118914972 | 7.28E-113 |
| 'TM7SF2' | -1.381001175 | 9.46E-111 |
| 'CFTR' | -1.729074809 | 4.14E-109 |
| 'GALNT5' | 1.805756368 | 1.92E-107 |
| 'ID1' | -1.071095686 | 2.42E-107 |
| 'LOC107986554' | -1.206242681 | 5.65E-107 |
| 'ANXA1' | 2.31753484 | 1.17E-106 |
| 'KIAA1217' | -1.370076931 | 1.49E-106 |
| 'TJP3' | -1.718561014 | 4.13E-105 |
| 'FAM171A1' | -1.269060481 | 1.70E-103 |
| 'PEAK1' | -1.079163518 | 1.37E-100 |
| 'TP53INP1' | -1.827392675 | 4.04E-100 |
| 'ZMIZ1' | -1.316837223 | 3.01E-99 |
| 'F5' | -1.899473124 | 4.37E-99 |
| 'TMEM265' | 1.518854953 | 2.34E-98 |
| 'ADD3' | -1.001348523 | 5.02E-98 |
| 'APOBEC3B' | 1.014304117 | 9.97E-98 |
| 'KLHL21' | 1.449884185 | 1.36E-97 |
| 'TMC5' | -1.763865098 | 2.29E-96 |
| 'SP5' | -1.002466849 | 2.60E-96 |
| 'ZNF687' | -1.153474481 | 9.66E-96 |
| 'HSD17B10' | 1.109071699 | 1.99E-95 |
| 'COL27A1' | -1.934046927 | 2.02E-95 |
| 'KDM4B' | -1.202517054 | 2.62E-95 |
| 'SEMA3B' | -1.206962381 | 7.25E-94 |
| 'ARHGAP18' | -1.03234786 | 2.71E-93 |
| 'PBX1' | -2.024585638 | 1.51E-90 |
| 'ARRB1' | -1.061280155 | 1.75E-90 |
| 'PSAT1' | -1.042463112 | 2.26E-89 |
| 'ALCAM' | -1.138599484 | 4.44E-89 |
| 'H6PD' | -1.537724137 | 3.71E-88 |
| 'HID1' | -1.433230616 | 1.08E-87 |
| 'RALGAPA2' | -1.067648692 | 1.54E-87 |
| 'SLC9A7' | -1.465223256 | 1.61E-87 |
| 'NFIX' | -1.141146495 | 1.62E-87 |
| 'VPS13C' | -1.239223445 | 7.57E-87 |
| 'CACHD1' | -2.233059346 | 7.61E-87 |
| 'PCSK9' | -1.632915724 | 1.80E-86 |
| 'MYO18A' | -1.421359787 | 2.25E-86 |
| 'ZNF532' | -1.710220739 | 1.15E-85 |
| 'SIPA1L1' | -1.13843011 | 3.89E-85 |
| 'EPHA4' | -1.296734563 | 1.55E-83 |
| 'IGFBP4' | -1.01278944 | 3.40E-82 |
| 'KLF2' | -1.38600616 | 7.25E-82 |
| 'HERPUD1' | 1.197826305 | 3.85E-80 |
| 'PIK3C2B' | -1.036321514 | 4.22E-80 |
| 'IGFBP5' | -5.209453366 | 7.10E-79 |
| 'SGK1' | -1.234899735 | 1.10E-78 |
| 'GLA' | 1.034853587 | 1.52E-78 |
| 'GPT2' | -1.020148219 | 2.80E-78 |
| 'PRKACA' | -1 | 1.68E-77 |
| 'SOX12' | -1.270350953 | 2.05E-77 |
| 'MSRB1' | 1.036846724 | 7.72E-77 |
| 'KRT81' | 2.323634417 | 2.79E-76 |
| 'ECM1' | 1.495197767 | 3.31E-76 |
| 'TRMT61A' | 1.078002512 | 7.20E-75 |
| 'PAQR8' | -2.482534688 | 7.75E-74 |
| 'MAP3K1' | -1.136235778 | 2.17E-72 |
| 'RGL3' | -1.858437328 | 6.14E-72 |
| 'FUT8' | -1.086661171 | 5.57E-71 |
| 'S100A2' | 1.827485877 | 8.64E-71 |
| 'GLUL' | -1.250517963 | 2.35E-70 |
| 'NHS' | -1.982033453 | 7.47E-70 |
| 'MT2A' | 1.271900629 | 1.14E-69 |
| 'SMIM24' | -1.204306078 | 1.74E-69 |
| 'SSBP3' | -1.130094558 | 1.95E-69 |
| 'RALGPS1' | -1.087036324 | 2.18E-69 |
| 'DTNB' | -1.249887507 | 3.80E-69 |
| 'SNTB1' | -1.135191369 | 4.33E-69 |
| 'IGFBP6' | 1.054320722 | 7.15E-69 |
| 'KLHL12' | -1.401921999 | 3.50E-67 |
| 'CELSR2' | -1.28764696 | 3.93E-67 |
| 'HAPLN3' | 1.247181852 | 1.10E-66 |
| 'CHAF1A' | -1.187106161 | 1.51E-66 |
| 'SERTAD1' | 1.02530115 | 2.10E-66 |
| 'TXNIP' | -1.507231197 | 5.96E-66 |
| 'ZFAND2A' | 2.541709303 | 6.01E-66 |
| 'STAT2' | -1.225113633 | 9.63E-66 |
| 'TCF7L2' | -1.182530119 | 1.23E-65 |
| 'CPTP' | 1.19523009 | 1.51E-65 |
| 'RELB' | 1.656877683 | 2.27E-65 |
| 'DUSP1' | -1.071019463 | 1.51E-64 |
| 'ABCA7' | -1.090889141 | 2.07E-64 |
| 'PELI2' | -1.948217458 | 3.47E-64 |
| 'EPAS1' | -1.27583168 | 8.78E-64 |
| 'GNE' | -2.172508162 | 9.09E-64 |
| 'RASIP1' | -2.366381693 | 1.34E-63 |
| 'TP53INP2' | -1.055271287 | 2.07E-63 |
| 'DUSP6' | -1.263505182 | 2.17E-63 |
| 'RIPK4' | -1.307714236 | 5.70E-63 |
| 'TLN2' | -1.286100016 | 1.33E-62 |
| 'SPPL2B' | -1.195787065 | 1.85E-62 |
| 'PBXIP1' | -1.034901075 | 3.11E-62 |
| 'HEG1' | -1.03925943 | 4.63E-62 |
| 'CNTNAP2' | -1.093360548 | 9.74E-62 |
| 'STEAP3' | -1.043027284 | 1.65E-61 |
| 'PPP1R18' | 1.227068909 | 2.09E-61 |
| 'NEK9' | -1.277704095 | 2.29E-61 |
| 'PDK3' | -1.415037499 | 2.42E-61 |
| 'UTRN' | -1.141797262 | 2.79E-61 |
| 'RAB11FIP4' | -1.182765347 | 5.26E-61 |
| 'ZNF618' | -1.376932894 | 6.01E-61 |
| 'CDK18' | -1.761511892 | 6.44E-61 |
| 'SEMA6B' | -1.652834614 | 1.18E-60 |
| 'ZNF385A' | 1.561617411 | 2.53E-60 |
| 'TMEM87B' | -1.117968919 | 2.82E-60 |
| 'ANK3' | -1.689659879 | 3.07E-60 |
| 'FGG' | -2.650764559 | 4.64E-60 |
| 'MICB' | 1.2891689 | 1.26E-59 |
| 'SIPA1L2' | -1.546965237 | 3.58E-59 |
| 'SEMA3F' | -1.893084796 | 3.66E-59 |
| 'PRSS2' | -1.093774938 | 8.72E-59 |
| 'PPM1H' | -1.462432025 | 1.42E-58 |
| 'ARNT' | -1.148270636 | 3.26E-58 |
| 'HS2ST1' | -1.012065066 | 5.23E-58 |
| 'NFKB2' | 1.001883414 | 5.70E-58 |
| 'TBL1X' | -1.093327186 | 9.40E-58 |
| 'KLF11' | -1.527646985 | 2.21E-57 |
| 'COL4A1' | -2.282553857 | 1.52E-56 |
| 'KIFC2' | -1.333977658 | 1.80E-56 |
| 'COL1A1' | -1.377804593 | 1.81E-56 |
| 'NCEH1' | 1.303669616 | 1.59E-55 |
| 'NLGN2' | -1.375039431 | 1.78E-55 |
| 'FMOD' | -1.802931735 | 4.51E-55 |
| 'TNKS2' | -1.08061846 | 6.05E-55 |
| 'PROM2' | -1.800368492 | 6.28E-55 |
| 'ANK1' | -2.502500341 | 8.89E-55 |
| 'JMJD6' | 1.324855805 | 7.37E-54 |
| 'MYLIP' | -1.913232122 | 1.21E-53 |
| 'TUBA4A' | 2.08788499 | 1.72E-53 |
| 'BMF' | -2.017671026 | 2.11E-53 |
| 'RFX5' | -1.200794787 | 4.68E-53 |
| 'TSPAN1' | 1.48370831 | 4.74E-53 |
| 'CYFIP2' | -1.654636029 | 4.99E-53 |
| 'SMYD2' | -1.302001391 | 1.91E-52 |
| 'SARM1' | -2.932313192 | 2.26E-52 |
| 'BIRC3' | 2.426897654 | 2.35E-52 |
| 'TMEM94' | -1.085792832 | 2.48E-52 |
| 'MYL7' | 2.923544494 | 5.01E-52 |
| 'PELI1' | -1.309124747 | 6.93E-52 |
| 'DNMT3A' | -1.178282418 | 8.75E-52 |
| 'SUSD4' | -2.017487427 | 1.39E-51 |
| 'FLG' | -1.005053228 | 1.54E-51 |
| 'ZNRF3' | -1.007948753 | 1.55E-51 |
| 'ANO9' | -1.275468784 | 1.74E-51 |
| 'SGSM2' | -1.043541427 | 2.59E-51 |
| 'C9orf152' | -2.119801522 | 8.27E-51 |
| 'GALNT3' | 1.28617807 | 2.01E-50 |
| 'RASGRP1' | -1.539158811 | 3.02E-50 |
| 'ZNF66' | -1.040133187 | 3.69E-50 |
| 'SYNPR' | -1.709240499 | 5.06E-50 |
| 'CAMK2D' | -1.121548206 | 5.33E-50 |
| 'GATD3B' | -1.173468521 | 7.78E-50 |
| 'ABCA1' | -2.736965594 | 1.16E-49 |
| 'ZNF362' | -1.279223644 | 2.25E-49 |
| 'TBC1D5' | -1.579359794 | 2.23E-48 |
| 'ACSF2' | -1.334342265 | 5.51E-48 |
| 'ZMYND8' | -1.102783641 | 3.49E-47 |
| 'KREMEN1' | -1.096945556 | 4.49E-47 |
| 'TLE2' | -1.589848856 | 6.20E-47 |
| 'ASNS' | -1.224749592 | 8.07E-47 |
| 'MED12' | -1.044699807 | 1.25E-46 |
| 'KLHDC2' | -1.216590448 | 1.51E-46 |
| 'LRIG1' | -1.029443778 | 1.54E-46 |
| 'MERTK' | -1.691877705 | 1.11E-45 |
| 'TMEM135' | -1.611323087 | 1.63E-45 |
| 'PSG1' | -2.007847862 | 5.39E-45 |
| 'SPRR1A' | 4.170751051 | 7.04E-45 |
| 'MECOM' | -1.55359833 | 1.20E-44 |
| 'GPC4' | -1.162938571 | 1.27E-44 |
| 'MAB21L4' | 1 | 1.50E-44 |
| 'SNCAIP' | -3.356693513 | 1.80E-44 |
| 'PCED1B' | -2.085836169 | 2.98E-44 |
| 'HABP4' | -1.394710475 | 3.06E-44 |
| 'FGB' | -2.88678939 | 4.42E-44 |
| 'UPP1' | 1.597227215 | 5.40E-44 |
| 'HDAC6' | -1.413043449 | 9.53E-44 |
| 'IL17RE' | -1.314613193 | 1.00E-43 |
| 'TRAPPC9' | -1.17531826 | 1.04E-43 |
| 'FAM210B' | -1.085450433 | 1.49E-43 |
| 'PGGHG' | -1.525293675 | 1.53E-43 |
| 'RHBDF2' | -1.209084776 | 5.80E-43 |
| 'SULT2B1' | -1.533604195 | 6.58E-43 |
| 'EP300' | -1.033735638 | 8.67E-43 |
| 'SHC2' | -1.85160816 | 1.45E-42 |
| 'KIAA0319L' | -1.012508995 | 1.77E-42 |
| 'NFKBIZ' | -2.241840184 | 1.78E-42 |
| 'RASSF1' | 1.55817752 | 1.87E-42 |
| 'NR1D2' | -1.207181171 | 2.59E-42 |
| 'SBK1' | -1.56315813 | 3.52E-42 |
| 'ID3' | -1.169735733 | 5.14E-42 |
| 'TMPRSS2' | -2.215563083 | 1.41E-41 |
| 'SMPDL3B' | -1.255060335 | 1.71E-41 |
| 'CADM1' | -1.318645511 | 2.36E-41 |
| 'TMEM229B' | -2.50371218 | 2.38E-40 |
| 'ATP8A1' | -1.488618632 | 2.55E-40 |
| 'TERF1' | -1.451106754 | 4.79E-40 |
| 'HRNR' | -1.590015728 | 6.39E-40 |
| 'JOSD2' | 1.062823396 | 1.26E-39 |
| 'WEE1' | -1.017680308 | 1.60E-39 |
| 'SLCO2B1' | -2 | 1.61E-39 |
| 'SLC39A10' | -1.028216242 | 1.71E-39 |
| 'MAP3K14' | 1.411024437 | 2.05E-39 |
| 'RIMKLB' | -1.97783835 | 7.65E-39 |
| 'ETS1' | 1.311280851 | 1.04E-38 |
| 'R3HDM2' | -1.273018494 | 1.55E-38 |
| 'SFI1' | -1.91186909 | 4.98E-38 |
| 'PABPC1L' | -1.86090439 | 5.15E-38 |
| 'EMP1' | 1.156881726 | 6.59E-38 |
| 'ETV6' | -1.170945656 | 7.70E-38 |
| 'ARHGEF17' | -1.217523382 | 9.33E-38 |
| 'MANBA' | -1.152814671 | 1.05E-37 |
| 'PLEKHH1' | -1.305345211 | 1.95E-37 |
| 'TNFAIP3' | 1.736965594 | 2.86E-37 |
| 'PSG2' | -1.604290762 | 2.94E-37 |
| 'PLEKHA7' | -1.060855205 | 4.74E-37 |
| 'CASP7' | -1.351628329 | 5.44E-37 |
| 'C19orf54' | -1.125862956 | 5.95E-37 |
| 'SIK1' | -2.785495488 | 1.04E-36 |
| 'TMEM45B' | -1.54320138 | 1.04E-36 |
| 'SMAD6' | -1.69653073 | 1.44E-36 |
| 'VSIG10' | -1.037357078 | 2.81E-36 |
| 'BAHCC1' | -1.756728849 | 3.84E-36 |
| 'FZD6' | -1.235247226 | 5.84E-36 |
| 'CHI3L1' | 1.070041732 | 7.84E-36 |
| 'RELL1' | -1.158531497 | 9.05E-36 |
| 'PLXNB3' | -1.536405681 | 1.63E-35 |
| 'CA11' | -1.514141164 | 1.68E-35 |
| 'KIF26B' | -1.504994196 | 1.88E-35 |
| 'ANXA9' | -1.181025995 | 2.08E-35 |
| 'MROH6' | -1.146280574 | 3.40E-35 |
| 'CADPS2' | -1.596233613 | 3.78E-35 |
| 'PCED1A' | -1.178713747 | 5.14E-35 |
| 'MNT' | -1.101086125 | 5.78E-35 |
| 'UBE2L6' | -1.072839374 | 5.78E-35 |
| 'TSPYL4' | -1.476925886 | 6.85E-35 |
| 'MTHFR' | -1.146976276 | 9.72E-35 |
| 'FGD3' | -1.555061015 | 1.40E-34 |
| 'STK40' | 1.050281754 | 3.00E-34 |
| 'MAML3' | -2.593230117 | 3.33E-34 |
| 'ENOX1' | -1.018430705 | 3.79E-34 |
| 'NTM' | -3.416646752 | 5.45E-34 |
| 'PALM3' | -1.51653736 | 5.69E-34 |
| 'FGFR2' | -1.04677976 | 6.91E-34 |
| 'AMACR' | -1.182052692 | 1.10E-33 |
| 'PLAT' | -1.928182839 | 1.40E-33 |
| 'PDCD4' | -1.712576697 | 3.20E-33 |
| 'YPEL3' | -1.192169177 | 3.33E-33 |
| 'CPT2' | -1.233919855 | 4.25E-33 |
| 'IL1RN' | 1.635260166 | 6.07E-33 |
| 'DBP' | -1.479596228 | 6.40E-33 |
| 'PRR15L' | -2.090288885 | 1.68E-32 |
| 'PSG6' | -2.931765264 | 2.78E-32 |
| 'LRRC56' | -1.022331367 | 3.39E-32 |
| 'MRS2' | -1.044937405 | 4.25E-32 |
| 'RHPN1' | -2.595158268 | 4.96E-32 |
| 'LRG1' | -1.711202498 | 5.83E-32 |
| 'NTN4' | 1.803199293 | 7.43E-32 |
| 'C19orf66' | -1.026391499 | 8.25E-32 |
| 'PLEKHH2' | -1.392317423 | 1.85E-31 |
| 'CUL9' | -1.58024009 | 1.89E-31 |
| 'C1RL' | -1.512175563 | 2.37E-31 |
| 'MCCC1' | -1.272286719 | 3.12E-31 |
| 'ATG4D' | 1.031813002 | 5.92E-31 |
| 'CNNM2' | -1.43718554 | 9.96E-31 |
| 'NTN1' | -1.392317423 | 1.35E-30 |
| 'SPRR2A' | 4.347558695 | 1.87E-30 |
| 'DEGS2' | -4.10433666 | 2.65E-30 |
| 'DHRS2' | 1.179050917 | 9.20E-30 |
| 'MAP3K8' | -1.181555439 | 9.44E-30 |
| 'SPG11' | -1.078988296 | 9.71E-30 |
| 'BRF2' | 1.232660757 | 1.20E-29 |
| 'ASAP3' | -2.331843564 | 1.40E-29 |
| 'DOCK11' | -1.35799735 | 2.43E-29 |
| 'DEPP1' | -1.84434913 | 3.22E-29 |
| 'PLEKHA4' | -1.166293751 | 4.03E-29 |
| 'SEMA3C' | -1.260000346 | 8.43E-29 |
| 'DMBT1' | -3.498250868 | 8.70E-29 |
| 'PHF21A' | -1.157852169 | 8.84E-29 |
| 'ALDH6A1' | -1.194728392 | 9.47E-29 |
| 'PROSER3' | -1.055577348 | 1.04E-28 |
| 'BRWD3' | -1.082687282 | 1.41E-28 |
| 'PPFIBP2' | -1.106915204 | 1.49E-28 |
| 'PLPP3' | -1.443606651 | 1.64E-28 |
| 'MAN2B2' | -1.034995421 | 1.78E-28 |
| 'PSG9' | -2.431049817 | 1.94E-28 |
| 'SLC7A11' | -1.592342031 | 1.99E-28 |
| 'IQSEC1' | -1.012600037 | 2.39E-28 |
| 'LCP1' | 1.996116566 | 4.52E-28 |
| 'NR1D1' | -1.130597123 | 5.74E-28 |
| 'NCF2' | 1.777891099 | 6.39E-28 |
| 'NOTCH3' | -1.572736198 | 8.24E-28 |
| 'BCAS3' | -1.384359901 | 8.61E-28 |
| 'PCMTD2' | -1.321928095 | 1.20E-27 |
| 'NFKBIE' | 1.310872906 | 1.36E-27 |
| 'ARHGAP29' | 1.103669929 | 1.42E-27 |
| 'KCNQ1' | -1.745595899 | 1.93E-27 |
| 'UNKL' | 1.199982235 | 2.42E-27 |
| 'MANSC1' | -1.192967648 | 3.41E-27 |
| 'MAP2K6' | -2.738642172 | 5.11E-27 |
| 'DNAJC22' | -1.153185146 | 5.75E-27 |
| 'PHLPP1' | -1.529160709 | 6.74E-27 |
| 'MBNL3' | -1.157541277 | 8.90E-27 |
| 'BNIP3L' | -1.113604109 | 1.21E-26 |
| 'SLC27A1' | -1.791943196 | 1.40E-26 |
| 'OAS2' | -1.520422249 | 1.57E-26 |
| 'ACBD4' | -1.770753908 | 3.13E-26 |
| 'RFLNA' | 2.155517578 | 3.20E-26 |
| 'ORAI3' | -1.883485991 | 3.92E-26 |
| 'CH507-42P11.6' | -1.906890596 | 4.05E-26 |
| 'TMC4' | -1.068493605 | 4.23E-26 |
| 'TSPYL2' | -1.56358885 | 4.27E-26 |
| 'FAM241B' | 1.434937057 | 5.50E-26 |
| 'SYNGAP1' | -1.534174391 | 7.14E-26 |
| 'PSD3' | -1.305249354 | 8.78E-26 |
| 'HK1' | -1.286089642 | 9.82E-26 |
| 'DMXL2' | -1.008664861 | 1.17E-25 |
| 'S100P' | 1.343713378 | 3.01E-25 |
| 'GPAT3' | 2.168122759 | 4.12E-25 |
| 'SLCO2A1' | -1.891623839 | 4.22E-25 |
| 'THRA' | -1.158380663 | 8.56E-25 |
| 'C6orf223' | -3.502500341 | 8.63E-25 |
| 'ACTA2' | -1.501061243 | 1.19E-24 |
| 'SLC4A8' | -1.904652123 | 1.48E-24 |
| 'ALDH5A1' | -1.079955305 | 3.59E-24 |
| 'PLEKHB1' | -1.381391255 | 3.92E-24 |
| 'BMP4' | -1.288009269 | 4.71E-24 |
| 'SOX21' | -2.181897643 | 5.90E-24 |
| 'TEF' | -1.119695066 | 6.76E-24 |
| 'ZNF296' | 1.083926954 | 8.25E-24 |
| 'TBCK' | -1.457303226 | 8.34E-24 |
| 'FAM214B' | 1.199122642 | 9.05E-24 |
| 'ICA1' | -1.034473527 | 1.63E-23 |
| 'PARP10' | -2.150362735 | 1.68E-23 |
| 'CPA4' | 1.937478915 | 1.84E-23 |
| 'PRKCG' | -2.089531222 | 2.23E-23 |
| 'GRK3' | -1.126335733 | 2.28E-23 |
| 'SLC2A10' | -2.276331228 | 2.78E-23 |
| 'SORBS2' | -1.694935343 | 4.03E-23 |
| 'IKBKB' | -1.114152307 | 4.39E-23 |
| 'ACER2' | -1.397822944 | 5.00E-23 |
| 'SMIM14' | -1.356303674 | 5.43E-23 |
| 'ANO8' | -1.31495854 | 6.25E-23 |
| 'ICAM4' | -1.226229378 | 7.57E-23 |
| 'LGALS4' | -2.180081616 | 8.15E-23 |
| 'BDH2' | -1.501163274 | 8.55E-23 |
| 'NDRG1' | 1.011705501 | 9.54E-23 |
| 'LYPD3' | 1.461534162 | 1.19E-22 |
| 'SRCIN1' | -1.567040593 | 1.34E-22 |
| 'ZNF462' | -1.078002512 | 1.56E-22 |
| 'RBBP8NL' | -1.300321639 | 1.78E-22 |
| 'FIG4' | -1.301090632 | 1.95E-22 |
| 'IFITM2' | -2.326429487 | 2.39E-22 |
| 'DIS3L2' | -1.065227623 | 4.13E-22 |
| 'HEXD' | -1.497622835 | 9.42E-22 |
| 'PCCA' | -1.193331476 | 9.76E-22 |
| 'ANKRD36B' | -1.3742835 | 1.31E-21 |
| 'SEMA4G' | -1.162528273 | 2.09E-21 |
| 'VIM' | -1.099384914 | 2.58E-21 |
| 'METTL7A' | -3.079727192 | 2.83E-21 |
| 'ARHGEF19' | -2.624490865 | 3.08E-21 |
| 'HOXB3' | -1.031194622 | 3.93E-21 |
| 'SPSB1' | 1.1734164 | 4.33E-21 |
| 'PER3' | -1.061400545 | 5.69E-21 |
| 'SPRY2' | -1.075948853 | 6.95E-21 |
| 'TMEM8B' | -2.152951923 | 7.76E-21 |
| 'PSG7' | -2.335733894 | 8.24E-21 |
| 'E2F2' | -1.417611443 | 8.26E-21 |
| 'BRSK1' | -1.206172069 | 9.09E-21 |
| 'PAQR6' | -2.790431619 | 9.24E-21 |
| 'MX2' | -1.187509314 | 9.24E-21 |
| 'LCK' | -1.430041924 | 9.77E-21 |
| 'KDM7A' | -1.406424369 | 1.05E-20 |
| 'IQCB1' | -1.013079827 | 1.65E-20 |
| 'ACPP' | -3 | 2.25E-20 |
| 'KIAA0556' | -1.091315167 | 2.83E-20 |
| 'PCDHB13' | -1.671674134 | 2.99E-20 |
| 'PIP5K1B' | -1.077593121 | 3.09E-20 |
| 'TENT5B' | 1.006194492 | 3.84E-20 |
| 'PHOSPHO2-KLHL23' | -2.142957954 | 3.86E-20 |
| 'UNK' | -1.134301092 | 5.26E-20 |
| 'GCNT1' | -1.889817082 | 5.33E-20 |
| 'NRBP2' | -1.490682553 | 9.86E-20 |
| 'BCL9' | -1.006313774 | 1.16E-19 |
| 'PPAN-P2RY11' | -1.190632483 | 1.24E-19 |
| 'CDRT4' | -7.118941073 | 1.32E-19 |
| 'TMCO6' | -1.122436076 | 1.47E-19 |
| 'RPS6KA2' | -1.331676071 | 1.60E-19 |
| 'ATP7A' | -1.325575872 | 1.64E-19 |
| 'GOLGA6L9' | -1.670353992 | 1.66E-19 |
| 'CASTOR3' | -1.433756697 | 1.79E-19 |
| 'IGFL2' | 1.118019333 | 1.87E-19 |
| 'LRRC37A' | -1.557376669 | 2.00E-19 |
| 'ZSWIM5' | -1.551576332 | 2.35E-19 |
| 'CAPN8' | -1.754300205 | 2.44E-19 |
| 'TLE4' | -1.290255875 | 3.19E-19 |
| 'ITGA7' | -1.386468347 | 3.46E-19 |
| 'TENT5C' | -1.267651034 | 4.15E-19 |
| 'RIC3' | -1.206278296 | 5.04E-19 |
| 'HPN' | -3.106199404 | 5.85E-19 |
| 'LOC100130370' | -2.371968777 | 5.87E-19 |
| 'LOC101059906' | -1.819253505 | 6.04E-19 |
| 'NPIPB2' | -1.452311872 | 9.04E-19 |
| 'GALNT4' | -1.623956632 | 9.11E-19 |
| 'ST6GALNAC1' | -2.584962501 | 9.14E-19 |
| 'SLC9A6' | -1.002573944 | 1.06E-18 |
| 'SHANK2' | -1.149513541 | 1.24E-18 |
| 'NRDE2' | -1.009429413 | 1.42E-18 |
| 'CYP2J2' | -1.215587243 | 1.59E-18 |
| 'CCDC144A' | -1.006426269 | 1.62E-18 |
| 'SPRR2F' | 5.977279923 | 1.76E-18 |
| 'ABCA3' | -1.225881407 | 2.03E-18 |
| 'DHTKD1' | -1.045596866 | 2.23E-18 |
| 'DES' | -2.042041771 | 3.16E-18 |
| 'RNF8' | -1.043501639 | 3.46E-18 |
| 'MMAB' | -1.131023651 | 3.83E-18 |
| 'ATP8B3' | -1.985692163 | 3.94E-18 |
| 'EGR2' | -5.011227255 | 4.51E-18 |
| 'CRYAB' | 3.464467209 | 4.68E-18 |
| 'SCRN2' | -1.34533795 | 5.78E-18 |
| 'PRPF40B' | -1.555742362 | 5.98E-18 |
| 'BCKDHB' | -1.104182038 | 9.58E-18 |
| 'SPRY1' | -1.349491734 | 9.68E-18 |
| 'C1R' | -1.761840263 | 1.09E-17 |
| 'GLCCI1' | -1.13058411 | 1.15E-17 |
| 'LOC107984841' | -1.472923855 | 1.20E-17 |
| 'CRELD1' | -1.211940057 | 1.21E-17 |
| 'ARPIN' | -1.027783157 | 1.64E-17 |
| 'NFE2' | -2.547487795 | 1.73E-17 |
| 'LTB4R' | -1.379315577 | 1.77E-17 |
| 'PARP15' | -1.112894056 | 2.79E-17 |
| 'TTN' | -2.700439718 | 3.36E-17 |
| 'TECPR1' | -1.235316987 | 3.47E-17 |
| 'GGT6' | -2.547065893 | 4.31E-17 |
| 'SHC3' | -1.732519689 | 4.43E-17 |
| 'U2AF1L5' | -2.088968524 | 4.72E-17 |
| 'ITPR2' | -1.111361109 | 5.26E-17 |
| 'RGS5' | -2.493539473 | 5.49E-17 |
| 'AMOT' | -3.655351829 | 5.79E-17 |
| 'PKD2' | -1.059706246 | 6.26E-17 |
| 'TRAPPC6A' | -1.318237048 | 6.45E-17 |
| 'KCNJ4' | -1.719055396 | 7.27E-17 |
| 'THBS3' | -1.489714186 | 7.99E-17 |
| 'TBC1D3L' | -1.520961501 | 8.12E-17 |
| 'IMPACT' | -1.190822342 | 8.72E-17 |
| 'KLHL25' | 1.029747343 | 1.07E-16 |
| 'MEIS3' | -1.057898384 | 2.02E-16 |
| 'LRRC75A' | -1.229822627 | 2.13E-16 |
| 'OLFM2' | -1.681715734 | 2.31E-16 |
| 'USH1C' | -1.092691898 | 2.46E-16 |
| 'SPRR1B' | 8.985841937 | 2.50E-16 |
| 'DUSP22' | -1.388301117 | 2.94E-16 |
| 'ANKRD36' | -1.128324097 | 3.53E-16 |
| 'MAPRE3' | 1.269366655 | 4.38E-16 |
| 'BTN3A2' | -1.010077073 | 4.78E-16 |
| 'KAT6B' | -1 | 4.81E-16 |
| 'MAMDC4' | -1.813403967 | 6.57E-16 |
| 'MBTD1' | -1.098403704 | 8.85E-16 |
| 'KCNC3' | -2.897240426 | 1.03E-15 |
| 'APOL1' | -1.275341301 | 1.05E-15 |
| 'MGAM2' | -1.444302094 | 1.09E-15 |
| 'GABBR1' | -1.477321778 | 1.26E-15 |
| 'PIWIL2' | -2.137503524 | 1.27E-15 |
| 'OGDHL' | -2.417852515 | 1.31E-15 |
| 'TMEM44' | -1.078656944 | 1.86E-15 |
| 'OPRL1' | -2.298341275 | 2.38E-15 |
| 'ASIC1' | -1.419903254 | 2.45E-15 |
| 'CORO7-PAM16' | -6.209453366 | 2.65E-15 |
| 'UVSSA' | -1.274916029 | 4.63E-15 |
| 'PROX1' | -1.370837695 | 4.88E-15 |
| 'OSBPL7' | -1.316796987 | 5.14E-15 |
| 'RGS8' | -3.209453366 | 6.15E-15 |
| 'KBTBD8' | 1.9224634 | 6.16E-15 |
| 'TBC1D3I' | -1.711874613 | 6.77E-15 |
| 'GPR75-ASB3' | -2.262094845 | 6.77E-15 |
| 'ZNF839' | -1.023612557 | 6.77E-15 |
| 'PRDM11' | -1.04872604 | 7.03E-15 |
| 'IFT140' | -1.195688098 | 8.01E-15 |
| 'TSHZ2' | -3.584962501 | 8.31E-15 |
| 'BCL6' | -1.565333694 | 8.68E-15 |
| 'JMY' | -1.161463423 | 9.75E-15 |
| 'ADGRA2' | -2.754887502 | 1.08E-14 |
| 'VIPR1' | -1.598018654 | 1.10E-14 |
| 'TRIB2' | -1.21081607 | 1.13E-14 |
| 'CREB3L1' | -1.13597767 | 1.66E-14 |
| 'EPHB3' | -1.078387899 | 1.70E-14 |
| 'POLR3G' | 1.129661131 | 1.73E-14 |
| 'DNAH6' | -2.093109404 | 1.82E-14 |
| 'LTBP2' | -1.331843564 | 2.10E-14 |
| 'LOC100129484' | -1.740031897 | 2.36E-14 |
| 'LOC102724200' | 6.339850003 | 2.37E-14 |
| '105379045' | -1.652076697 | 2.37E-14 |
| 'RASA4B' | -2.601450624 | 2.42E-14 |
| 'ZKSCAN2' | -1.076621282 | 2.46E-14 |
| 'LHPP' | -1.643497712 | 3.13E-14 |
| 'DOC2A' | -2.393663848 | 3.18E-14 |
| 'DNAJB4' | 1.633129783 | 3.51E-14 |
| 'BANP' | 1.132260929 | 3.72E-14 |
| 'ACVR2B' | -1.069421401 | 3.85E-14 |
| 'LOC101060341' | -1.177873755 | 3.93E-14 |
| 'CEMIP' | -2.523561956 | 4.20E-14 |
| 'PCMTD1' | -1.187278568 | 4.20E-14 |
| 'RAB26' | -3.093109404 | 4.91E-14 |
| 'FBXL8' | -2.191531458 | 5.31E-14 |
| 'KRT7' | 1.195991106 | 6.30E-14 |
| 'ALDOC' | -1.582346553 | 6.90E-14 |
| 'GSAP' | -1.289186694 | 7.49E-14 |
| 'TMEM189-UBE2V1' | 1.155541083 | 8.49E-14 |
| 'ARHGAP33' | -1.441915883 | 8.92E-14 |
| 'C6orf222' | -2.795859283 | 8.97E-14 |
| 'CDKN1C' | -2.487665299 | 1.03E-13 |
| 'UPK3BL2' | -1.31024629 | 1.13E-13 |
| 'ZNF608' | -1.13876407 | 1.19E-13 |
| 'LOC112268114' | -2.492768803 | 1.26E-13 |
| 'NPIPB6' | -1.078517209 | 1.42E-13 |
| 'FGF20' | -3.188883159 | 1.64E-13 |
| 'GFPT2' | 2.15277028 | 1.81E-13 |
| 'NPY4R2' | -5.807354922 | 1.83E-13 |
| 'IFT122' | -1.175442006 | 1.87E-13 |
| 'CA13' | -1.156342029 | 1.92E-13 |
| 'DLG4' | -1.833706249 | 1.99E-13 |
| 'SLC40A1' | -1.286881148 | 2.69E-13 |
| 'TBC1D3G' | -1.839535328 | 2.73E-13 |
| 'POLR3GL' | -1.914270126 | 2.88E-13 |
| 'SPTB' | -1.422691072 | 2.99E-13 |
| 'SEMA7A' | 1.027691734 | 3.55E-13 |
| 'APBB3' | -1.384990363 | 4.32E-13 |
| 'KRT6B' | 1.974374192 | 4.72E-13 |
| 'VGLL1' | -1.393565969 | 5.19E-13 |
| 'CPT1C' | -1.045442971 | 5.29E-13 |
| 'PAGE4' | -1.03157596 | 5.33E-13 |
| 'SLC26A9' | -3.68182404 | 5.46E-13 |
| 'SLC9A4' | -2.546488353 | 6.00E-13 |
| 'CPT1B' | -1.213734061 | 6.94E-13 |
| 'ELOVL7' | -1.256595845 | 7.53E-13 |
| 'SYTL4' | 1.037637657 | 7.82E-13 |
| 'GRB14' | -1.29072614 | 8.42E-13 |
| 'LRRC37A3' | -1.244702583 | 9.18E-13 |
| 'RWDD2B' | -1.018223759 | 1.19E-12 |
| 'PCDHGB7' | -2.282035368 | 1.22E-12 |
| 'TBX4' | -3 | 1.30E-12 |
| 'OSBPL5' | -1.689659879 | 1.36E-12 |
| 'LRP4' | -1.240051088 | 1.48E-12 |
| 'COL18A1' | -1.708537186 | 1.58E-12 |
| 'TTC7B' | -1.165174602 | 1.65E-12 |
| 'LOC112268238' | -1.562766755 | 1.87E-12 |
| 'CELSR3' | -1.30580843 | 2.22E-12 |
| 'VILL' | -1.032158668 | 2.65E-12 |
| 'RNF144B' | -1.723482365 | 2.74E-12 |
| 'GLS2' | -2.86507042 | 2.90E-12 |
| 'ACAD10' | -1.452858965 | 3.02E-12 |
| 'HAGHL' | -1.175086707 | 3.44E-12 |
| 'ARHGAP44' | -1.15417093 | 3.44E-12 |
| 'C2CD4A' | -1.966052668 | 3.69E-12 |
| 'NOX1' | -4.123382416 | 3.83E-12 |
| 'CNTRL' | -1.017629894 | 4.24E-12 |
| 'ACCS' | -1.366381693 | 4.82E-12 |
| 'MITF' | 1.357069901 | 5.42E-12 |
| 'TSTD3' | -1.255257055 | 5.68E-12 |
| 'UBD' | 2.020037753 | 6.26E-12 |
| 'IFT172' | -1.847996907 | 7.61E-12 |
| 'TRIM54' | 5.741466986 | 8.07E-12 |
| 'ALDH3B1' | -1.086340849 | 8.19E-12 |
| 'PER2' | -1.051074185 | 8.33E-12 |
| 'ATAT1' | -1.228531558 | 8.69E-12 |
| 'CDK19' | -1.00625899 | 1.14E-11 |
| 'SLC31A2' | 1.050626073 | 1.42E-11 |
| 'ANKRD36C' | -1 | 1.54E-11 |
| 'PLP1' | -5.247927513 | 1.56E-11 |
| 'CCDC24' | -1.071364451 | 1.58E-11 |
| 'ODAM' | -2.431339312 | 1.60E-11 |
| 'WDR27' | -1.084268917 | 2.03E-11 |
| 'ITIH4' | -2.561878888 | 2.34E-11 |
| 'EHF' | -1.631132682 | 2.45E-11 |
| 'RPS10-NUDT3' | -6.303780748 | 2.52E-11 |
| 'TGFB3' | -2.765534746 | 2.87E-11 |
| 'NOXA1' | -1.432959407 | 3.04E-11 |
| 'LYSMD3' | 1.030650213 | 3.05E-11 |
| 'GTDC1' | -1.346705668 | 3.19E-11 |
| 'LMCD1' | -1.846087317 | 4.36E-11 |
| 'MICALCL' | -1.356934545 | 4.64E-11 |
| '100996414' | -3.420957471 | 4.93E-11 |
| 'CXCL2' | -1.862496476 | 5.08E-11 |
| 'ALDH3B2' | -6.129283017 | 5.10E-11 |
| 'C20orf96' | -1.315614321 | 5.59E-11 |
| 'AQP5' | -2.811927652 | 5.81E-11 |
| 'APLP1' | -1.443445914 | 6.57E-11 |
| 'RAB40B' | -1.200077835 | 6.59E-11 |
| 'HSD17B2' | -1.698042551 | 6.80E-11 |
| 'CCDC78' | -1.959358016 | 7.66E-11 |
| 'KLHL24' | -1.407657969 | 7.89E-11 |
| 'GDPD3' | 1.453126335 | 7.89E-11 |
| 'TRANK1' | -1.069262662 | 8.09E-11 |
| 'SH3BGRL' | -1.559034036 | 1.06E-10 |
| 'LOC644634' | 5.781359714 | 1.07E-10 |
| 'IZUMO1' | -2.575684687 | 1.12E-10 |
| 'BTN3A1' | -1.578076115 | 1.20E-10 |
| 'ZSCAN4' | -1.266465311 | 1.23E-10 |
| 'ZNF765-ZNF761' | -1.224966365 | 1.31E-10 |
| 'SOCS1' | 1.565400234 | 1.34E-10 |
| 'ALOXE3' | 1.578938713 | 1.34E-10 |
| 'KAT2B' | -1.068947354 | 1.34E-10 |
| 'GPSM3' | -1.694497453 | 1.87E-10 |
| 'SELL' | -2.518728802 | 1.92E-10 |
| 'UNC93A' | -2.115477217 | 1.94E-10 |
| 'PAK6' | -5.523561956 | 2.07E-10 |
| 'KLHL23' | 1.057715498 | 2.08E-10 |
| 'CREB5' | -1.048094288 | 2.11E-10 |
| 'ANG' | -1.802726445 | 2.37E-10 |
| 'SCN1B' | -1.818452631 | 2.43E-10 |
| 'PMCH' | -1.634170025 | 2.47E-10 |
| 'WDCP' | 1.10433666 | 2.55E-10 |
| 'MLLT11' | 1.70435123 | 2.59E-10 |
| 'RAPGEFL1' | -1.155030786 | 3.01E-10 |
| 'KRT16' | 2.511645823 | 3.08E-10 |
| 'SERPIND1' | 2.769387072 | 3.23E-10 |
| 'XAF1' | -1.484121811 | 3.24E-10 |
| 'DENND6B' | -1.301380717 | 3.60E-10 |
| 'ZFAT' | -1.434628228 | 3.61E-10 |
| 'SLC25A35' | -1.304334035 | 3.79E-10 |
| 'SLC9A3' | -1.175638653 | 3.99E-10 |
| 'CCDC170' | -1.401362562 | 4.10E-10 |
| 'NPIPA1' | -1.072083014 | 4.64E-10 |
| 'ALOX5AP' | 2.560360527 | 5.11E-10 |
| 'GP6' | -1.574908836 | 5.45E-10 |
| 'ICOSLG' | 1.035046947 | 7.99E-10 |
| 'APOL4' | -1.761551232 | 8.86E-10 |
| 'KRT14' | 1.704701745 | 1.02E-09 |
| 'LOC102724219' | -3.184424571 | 1.12E-09 |
| 'RASA4' | -1.925999419 | 1.29E-09 |
| 'FBF1' | -1.159656666 | 1.32E-09 |
| 'BBS1' | -1.172389041 | 1.32E-09 |
| 'ZNF547' | 2.546488353 | 1.53E-09 |
| 'NRP2' | -1.441837559 | 1.57E-09 |
| 'PSG4' | -1.334026237 | 1.59E-09 |
| 'CREB3L4' | -1.220473944 | 1.59E-09 |
| 'SPDEF' | -2.867896464 | 1.61E-09 |
| 'FAM117B' | -1.068895081 | 1.70E-09 |
| 'ATP8A2' | 2.459431619 | 1.73E-09 |
| 'APOBEC3H' | -1.759948912 | 1.76E-09 |
| 'TRPV3' | 1.543142325 | 1.82E-09 |
| 'SRGAP3' | -1.761840263 | 2.15E-09 |
| 'SERPINB8' | 1.389042291 | 2.33E-09 |
| 'VMAC' | -1.609624555 | 2.38E-09 |
| 'TMEM53' | -1.062194762 | 2.53E-09 |
| 'BMP2' | 1.14989543 | 2.78E-09 |
| 'ILDR1' | -2.334419039 | 2.85E-09 |
| 'PLCG2' | -1.247927513 | 2.98E-09 |
| 'CPEB2' | 1.422233001 | 3.06E-09 |
| 'LBHD1' | -1.394661363 | 3.38E-09 |
| 'IL33' | -5.930737338 | 3.41E-09 |
| 'TDRD9' | 3.906890596 | 3.55E-09 |
| 'PVRIG' | -1.263034406 | 3.63E-09 |
| 'GPATCH11' | 1.014260693 | 4.04E-09 |
| 'GLDC' | -2.532495081 | 4.38E-09 |
| 'PRIMPOL' | -1.565790191 | 4.66E-09 |
| 'ARPC4-TTLL3' | -2.162271429 | 4.70E-09 |
| 'BCL2L2-PABPN1' | -1.36994961 | 4.97E-09 |
| 'ENO3' | -1.303883919 | 5.94E-09 |
| 'PLA2G4B' | -5.832890014 | 6.93E-09 |
| 'GOLGA8B' | -1.040414268 | 7.19E-09 |
| 'PCDHGA10' | -2.974004791 | 7.46E-09 |
| 'RASSF4' | -1.38502493 | 7.53E-09 |
| 'DUOX2' | -2.554588852 | 7.60E-09 |
| 'NLRP7' | -3.655351829 | 8.40E-09 |
| 'HSD3B1' | -2.924272674 | 9.22E-09 |
| 'LOC105379547' | -1.191481145 | 1.02E-08 |
| 'DNAH2' | -2.807354922 | 1.08E-08 |
| 'JAKMIP2' | -1.807354922 | 1.12E-08 |
| 'HIST2H2BE' | -1.268105395 | 1.17E-08 |
| 'TIRAP' | 1.261232163 | 1.22E-08 |
| 'ATG16L2' | -1.57634937 | 1.25E-08 |
| 'EAF2' | -1.630680801 | 1.25E-08 |
| 'CCDC136' | -1.671767328 | 1.25E-08 |
| 'RGN' | -1.411754915 | 1.27E-08 |
| 'IKZF2' | -2.280107919 | 1.28E-08 |
| 'LOC389831' | 2.36923381 | 1.29E-08 |
| 'VASN' | -1.255761171 | 1.32E-08 |
| 'DNM1' | -1.479469372 | 1.33E-08 |
| 'BTN3A3' | -2.060882242 | 1.34E-08 |
| 'PIGV' | -1.086550032 | 1.45E-08 |
| 'OMA1' | -1.381870635 | 1.53E-08 |
| 'NPIPA3' | -1.769387072 | 1.66E-08 |
| 'SPDYE2' | -1.108181652 | 1.85E-08 |
| 'BUB1B-PAK6' | 5.321928095 | 1.86E-08 |
| 'KBTBD4' | -1.051138849 | 1.86E-08 |
| 'LOC102724788' | -1.554588852 | 1.87E-08 |
| 'AXL' | -1.128007612 | 1.98E-08 |
| 'APOBEC2' | -2.584962501 | 2.10E-08 |
| 'PCYOX1L' | -1.591915261 | 2.24E-08 |
| 'GNAZ' | -1.584962501 | 2.64E-08 |
| 'LOC107983998' | -1.367839767 | 2.68E-08 |
| 'PLA2G6' | -1.781999348 | 2.81E-08 |
| 'NFIB' | -1.125530882 | 2.97E-08 |
| 'KLF9' | -2.115477217 | 3.67E-08 |
| 'RARRES3' | -2.387849488 | 3.98E-08 |
| 'MAML2' | -1.099535674 | 4.14E-08 |
| 'ZDHHC1' | -1.876851769 | 4.38E-08 |
| 'C1orf21' | -1.083416008 | 4.53E-08 |
| 'APOL6' | -1.415037499 | 4.57E-08 |
| 'TRPV6' | -1.40780593 | 4.57E-08 |
| 'NR4A2' | -1.767553914 | 4.62E-08 |
| 'NKPD1' | -2.530514717 | 5.11E-08 |
| 'DOCK4' | -1.192645078 | 5.27E-08 |
| 'GTF2IRD2B' | -1.394531844 | 5.61E-08 |
| 'DACT1' | -5.209453366 | 5.65E-08 |
| 'CBS' | -5.754887502 | 5.65E-08 |
| 'CRYBB3' | -1.394278939 | 5.68E-08 |
| 'APOD' | -1.373340668 | 5.70E-08 |
| 'CTF1' | -1.176077228 | 5.72E-08 |
| 'TBC1D3C' | 2.197939378 | 6.15E-08 |
| 'MED31' | 1.152990902 | 6.16E-08 |
| 'IGF1' | -2.2410081 | 6.57E-08 |
| 'SMIM19' | -1.404066381 | 6.73E-08 |
| 'GNGT2' | 7.247927513 | 6.74E-08 |
| 'MEGF6' | -1.695145418 | 6.99E-08 |
| 'CBR3' | 1.404390255 | 7.68E-08 |
| 'ARHGAP30' | -2 | 7.73E-08 |
| 'PIK3IP1' | -3.239465935 | 8.27E-08 |
| 'IL1R2' | 1.614108846 | 8.79E-08 |
| 'RNASE4' | -2.205904299 | 9.86E-08 |
| 'KIF12' | -1.350281291 | 9.94E-08 |
| 'S100A3' | 1.634715536 | 1.02E-07 |
| 'FOXO6' | -1.682809824 | 1.11E-07 |
| 'LRRC24' | -6.285402219 | 1.14E-07 |
| 'TATDN3' | -1.006919414 | 1.15E-07 |
| 'GSDMB' | -1.560957038 | 1.38E-07 |
| 'PRTG' | -1.070389328 | 1.46E-07 |
| 'PAN2' | -1.085167383 | 1.46E-07 |
| 'ZNF471' | -1.974004791 | 1.49E-07 |
| 'LPAR6' | -1.406625259 | 1.50E-07 |
| 'TESK2' | -1.023083613 | 1.56E-07 |
| 'UNC5B' | -1.278716028 | 1.59E-07 |
| 'NPIPB15' | -1.114367025 | 1.64E-07 |
| 'TCAF2' | -1.334984248 | 1.75E-07 |
| 'SOX6' | -2.087462841 | 1.81E-07 |
| 'EFHC1' | -1.278301162 | 1.96E-07 |
| 'TRIM34' | -1.942918905 | 1.98E-07 |
| 'LY6D' | -1.415037499 | 2.10E-07 |
| 'IRX5' | -1.779874186 | 2.21E-07 |
| 'NTF4' | -1.210452808 | 2.24E-07 |
| 'DNAJC25-GNG10' | 6.459431619 | 2.44E-07 |
| 'PLCH1' | -1.584962501 | 2.46E-07 |
| 'ADAMTS14' | -2.688055994 | 3.02E-07 |
| 'ERV3-1' | -1.356485317 | 3.10E-07 |
| 'CREBRF' | -1.533978572 | 3.22E-07 |
| 'SPRR3' | 3.445559444 | 3.57E-07 |
| 'KCNN4' | -1.316027493 | 3.68E-07 |
| 'ACACB' | -1.075948853 | 3.69E-07 |
| 'ESRRG' | -4.700439718 | 3.83E-07 |
| 'CTSK' | -1.800230488 | 3.96E-07 |
| 'MMRN2' | -1.15324626 | 4.49E-07 |
| 'SMIM11A' | 3.201633861 | 4.70E-07 |
| 'JAG2' | -1.378511623 | 5.42E-07 |
| 'SLC24A1' | -1.371968777 | 5.48E-07 |
| 'DZANK1' | -1.222392421 | 5.61E-07 |
| 'ZNF420' | 1.317970081 | 5.90E-07 |
| 'RCN3' | -1.511252815 | 5.97E-07 |
| 'EME2' | -1.231162631 | 6.27E-07 |
| 'TUBB6' | -2.86507042 | 6.39E-07 |
| 'CPAMD8' | -3.247927513 | 7.73E-07 |
| 'DLX4' | -1.274794119 | 7.77E-07 |
| 'RNF207' | -1.296393003 | 8.31E-07 |
| 'PPM1L' | -1.222392421 | 8.31E-07 |
| 'FADS1' | -2.485426827 | 8.36E-07 |
| 'TMEM38A' | -1.017141133 | 8.41E-07 |
| 'GPX5' | -1.537797393 | 8.44E-07 |
| 'ATP8B1' | -1.075288127 | 8.78E-07 |
| 'ANKRD20A2' | -5.129283017 | 9.19E-07 |
| 'HCAR2' | -5.807354922 | 9.19E-07 |
| 'CDKN2C' | -1.246857662 | 9.29E-07 |
| 'ASB2' | 3.129283017 | 9.74E-07 |
| 'ACSM3' | -2.078002512 | 1.10E-06 |
| 'ARGFX' | -1.765534746 | 1.10E-06 |
| 'NPHP4' | -1.023083613 | 1.18E-06 |
| 'PSAPL1' | 1.362570079 | 1.22E-06 |
| 'SFXN2' | -1.057333175 | 1.24E-06 |
| 'PRRT1' | -1.807354922 | 1.25E-06 |
| 'MED12L' | -1.118644496 | 1.26E-06 |
| 'MCTP1' | -1.295455884 | 1.27E-06 |
| 'LOC112268219' | -1.08813091 | 1.31E-06 |
| 'KLHDC7A' | -2.080919995 | 1.31E-06 |
| 'LOC102724951' | 1.05626822 | 1.37E-06 |
| 'TRERF1' | -1.174497731 | 1.38E-06 |
| 'TTC30B' | -1.556948125 | 1.39E-06 |
| 'KCNJ13' | -4.209453366 | 1.43E-06 |
| 'GOLGA8R' | -3.273018494 | 1.45E-06 |
| 'IL1R1' | -1.551409941 | 1.50E-06 |
| 'TDRKH' | -1 | 1.50E-06 |
| 'AGAP9' | -1.092446249 | 1.73E-06 |
| 'PLEKHF1' | 1 | 1.76E-06 |
| 'RENBP' | -1.139551352 | 1.79E-06 |
| 'ZBTB7C' | -1 | 1.83E-06 |
| 'GOLGA6L3' | -6.108524457 | 1.83E-06 |
| 'TLR5' | -4.700439718 | 1.83E-06 |
| 'CHN2' | -1.126177106 | 1.87E-06 |
| 'KRT71' | 1.399747628 | 1.89E-06 |
| 'ZNF837' | -1.608046114 | 1.93E-06 |
| 'HLA-DMA' | -1.0061002 | 2.04E-06 |
| 'PCDHGA4' | -3.087462841 | 2.22E-06 |
| 'CAPS' | -2.08453351 | 2.42E-06 |
| 'SEMA3G' | -2.426264755 | 2.47E-06 |
| 'RGS6' | -3.192645078 | 2.57E-06 |
| 'C8orf44-SGK3' | -1.505235308 | 2.65E-06 |
| 'ZNF331' | -1.561878888 | 2.67E-06 |
| 'PDE4D' | -1.133855747 | 2.79E-06 |
| 'STARD9' | -1.152003093 | 2.85E-06 |
| 'DUSP13' | 2.454175893 | 2.86E-06 |
| 'LRMDA' | -1.334206425 | 2.89E-06 |
| 'COA5' | -1.003335713 | 3.03E-06 |
| 'EXOC3L4' | -2.852442812 | 3.54E-06 |
| 'NGEF' | -3.017921908 | 3.54E-06 |
| 'HABP2' | -5.209453366 | 3.67E-06 |
| 'GPR143' | 1.428172901 | 3.71E-06 |
| '112268394' | -1.537656786 | 3.74E-06 |
| 'FRAT1' | -1.241660755 | 3.79E-06 |
| 'GPD1' | -3.321928095 | 4.07E-06 |
| 'MYO1A' | -3.392317423 | 4.07E-06 |
| 'CCDC141' | -1.404390255 | 4.15E-06 |
| 'TNS2' | -1.163975735 | 4.25E-06 |
| 'MMP24-AS1-EDEM2' | -2.227805918 | 4.34E-06 |
| 'DNAJC18' | -1.009984089 | 4.51E-06 |
| 'TTLL3' | -1.725825037 | 4.78E-06 |
| 'TSSK4' | -1.253756592 | 4.78E-06 |
| 'RBP5' | -1.704544116 | 4.97E-06 |
| 'LOC100996709' | -1.304153393 | 5.17E-06 |
| 'PCDHGB2' | -2.039528364 | 5.27E-06 |
| 'TRPM6' | -2.736965594 | 5.27E-06 |
| 'TYMSOS' | -1.004843972 | 5.49E-06 |
| 'FGF18' | -1.664396968 | 5.51E-06 |
| 'CDRT1' | 1.0489096 | 5.76E-06 |
| 'TRIM6-TRIM34' | 4.95419631 | 5.91E-06 |
| 'CCL3' | 7.076815597 | 5.91E-06 |
| 'ARIH2OS' | -2.017921908 | 6.02E-06 |
| 'LOC100652901' | -1.14172811 | 6.32E-06 |
| 'SSTR1' | -1.534336428 | 6.65E-06 |
| 'TMEM107' | -1.014260693 | 6.72E-06 |
| 'PPARGC1A' | -2.357552005 | 7.32E-06 |
| 'TNFSF10' | -5.781359714 | 7.32E-06 |
| 'MXRA8' | -1.058893689 | 8.17E-06 |
| 'PDGFRL' | -1.020121596 | 8.20E-06 |
| 'NPIPA2' | -1.218046951 | 8.26E-06 |
| 'STX1B' | -1.765534746 | 8.54E-06 |
| 'VRTN' | -1.462626958 | 8.74E-06 |
| 'MKRN2OS' | -1.025648587 | 8.78E-06 |
| 'FAM122C' | -1.03170886 | 8.96E-06 |
| 'CMPK2' | -1.067744607 | 8.96E-06 |
| 'LDLRAD2' | -1.34191957 | 8.97E-06 |
| 'CYP2U1' | -1.371968777 | 9.01E-06 |
| 'C17orf82' | -1.385821711 | 9.02E-06 |
| 'LOC105374103' | -1.347923303 | 9.02E-06 |
| 'ZNF34' | -1.102361718 | 9.23E-06 |
| 'PRICKLE4' | -1.164535772 | 9.41E-06 |
| 'PLEKHS1' | -3.938599455 | 9.47E-06 |
| 'GP1BA' | -3.700439718 | 9.47E-06 |
| 'ERP27' | -1.479167837 | 1.05E-05 |
| 'SLC26A1' | -1.255944981 | 1.07E-05 |
| 'SLC28A3' | -1.410283969 | 1.08E-05 |
| 'CCL26' | 1.130321799 | 1.08E-05 |
| 'PCDH11X' | -2.887525271 | 1.09E-05 |
| 'COL5A1' | -2.169925001 | 1.14E-05 |
| 'PRF1' | -1.658963082 | 1.15E-05 |
| 'ATP6V1E2' | -1.566700294 | 1.19E-05 |
| 'NT5E' | -2.523561956 | 1.19E-05 |
| 'HTRA3' | 2.014950341 | 1.19E-05 |
| 'ALPI' | -2.022367813 | 1.19E-05 |
| 'SEMA6C' | -1.164744762 | 1.22E-05 |
| 'MAN1C1' | -2.432959407 | 1.23E-05 |
| 'BCAN' | -2.471305719 | 1.23E-05 |
| 'RETREG1' | -1.02774499 | 1.35E-05 |
| 'TGIF2-RAB5IF' | -6.459431619 | 1.46E-05 |
| 'LOC107984115' | -1.430634354 | 1.55E-05 |
| 'GRAPL' | -2.203091865 | 1.57E-05 |
| 'ARMCX4' | -1.237039197 | 1.58E-05 |
| 'EGR3' | -3.273018494 | 1.76E-05 |
| 'SPAG16' | -1.097297201 | 1.81E-05 |
| 'DENND2A' | -2 | 1.86E-05 |
| 'CAB39L' | -1.058102955 | 1.90E-05 |
| 'LOC101927509' | -4.523561956 | 1.95E-05 |
| 'HIVEP3' | -2.807354922 | 2.04E-05 |
| 'GALR2' | 1.658211483 | 2.13E-05 |
| 'RAD51B' | -1.060235107 | 2.22E-05 |
| 'YPEL2' | -1.201633861 | 2.23E-05 |
| 'ADSSL1' | -1.618909833 | 2.31E-05 |
| 'FSBP' | -1.700439718 | 2.38E-05 |
| 'IPP' | -1.019899557 | 2.39E-05 |
| 'LAMP3' | -1.050626073 | 2.43E-05 |
| 'TMEM136' | -2.807354922 | 2.45E-05 |
| 'RNF208' | -1.167599948 | 2.55E-05 |
| 'GPER1' | -1.051138849 | 2.67E-05 |
| 'PCOTH' | 1.001820436 | 2.74E-05 |
| 'SMIM5' | -1.321928095 | 2.74E-05 |
| 'SCHIP1' | -5.832890014 | 2.93E-05 |
| 'CD302' | -1.226275856 | 3.12E-05 |
| 'HNF1A' | -1.540568381 | 3.17E-05 |
| 'LRRC4B' | -2.099535674 | 3.26E-05 |
| 'TET1' | -1 | 3.26E-05 |
| 'PCDHGA6' | -2.765534746 | 3.27E-05 |
| 'LOC105370092' | -3.807354922 | 3.27E-05 |
| 'HHAT' | -1.278535499 | 3.31E-05 |
| 'EVL' | -2.215012891 | 3.31E-05 |
| 'LAMA1' | -2.662965013 | 3.31E-05 |
| 'CACNA1E' | -2.459431619 | 3.51E-05 |
| 'CD37' | -3.672425342 | 3.74E-05 |
| 'TLR3' | -1.516575526 | 3.78E-05 |
| 'PTPN13' | -1.137503524 | 3.81E-05 |
| 'TTC28' | -2.169925001 | 4.01E-05 |
| 'DNAH12' | -1.485426827 | 4.03E-05 |
| 'DPH3P1' | -1.334154397 | 4.03E-05 |
| 'CIDEB' | -1.160464672 | 4.04E-05 |
| 'ZBED2' | 2.765534746 | 4.06E-05 |
| 'CXCL10' | 1.359895945 | 4.32E-05 |
| 'CES3' | -1.100928909 | 4.35E-05 |
| 'WFDC3' | 2.055495113 | 4.39E-05 |
| 'LOC107986035' | -3.154577037 | 4.41E-05 |
| 'ERO1B' | -1.442518236 | 4.58E-05 |
| 'SLC4A4' | -1.552541023 | 4.72E-05 |
| 'RARRES2' | -1.485426827 | 4.72E-05 |
| 'LOXL1' | -1.127755547 | 4.88E-05 |
| 'PCSK4' | -1.376563351 | 4.88E-05 |
| 'LBH' | -1.105610188 | 5.16E-05 |
| 'CYP3A7' | -2.827819025 | 5.23E-05 |
| 'TTLL11' | 1.392317423 | 5.26E-05 |
| 'CGB8' | 1.345328527 | 5.39E-05 |
| 'KRTAP3-1' | 1.329587472 | 5.43E-05 |
| 'PALD1' | -1.920565533 | 5.60E-05 |
| 'SELENBP1' | -1.109624491 | 5.65E-05 |
| 'LOC101928120' | -1.679289883 | 5.66E-05 |
| 'GRAMD1B' | -1.479992941 | 5.81E-05 |
| 'TEX49' | -4.754887502 | 5.81E-05 |
| 'DNAH1' | -2.584962501 | 5.88E-05 |
| 'GAST' | 4.182203331 | 5.95E-05 |
| 'TRIM58' | -3.523561956 | 6.02E-05 |
| 'MMP11' | -3.350497247 | 6.02E-05 |
| 'AGAP5' | 1.697072867 | 6.09E-05 |
| 'TSPAN10' | -1.224560258 | 6.33E-05 |
| 'NSUN7' | -1.145979306 | 6.60E-05 |
| 'POLI' | -1.191298652 | 6.60E-05 |
| 'COL28A1' | -1.415037499 | 6.62E-05 |
| 'C1QL1' | -1.25334101 | 6.62E-05 |
| 'JDP2' | -1.461447964 | 6.70E-05 |
| 'FBXO2' | 1.224317298 | 6.94E-05 |
| 'B3GNT4' | -3.624490865 | 7.10E-05 |
| 'NPHP1' | -1.349584438 | 7.13E-05 |
| 'MAPK8IP2' | -1.788495895 | 7.13E-05 |
| '107986804' | 7.357552005 | 7.50E-05 |
| 'SPOCD1' | 1.271302022 | 7.64E-05 |
| 'GPSM1' | 1.258976189 | 7.93E-05 |
| 'LIPT2' | -1.089005006 | 8.07E-05 |
| 'LOC107985246' | -1.222392421 | 8.08E-05 |
| 'PXDN' | -1.662965013 | 8.68E-05 |
| 'HSPE1-MOB4' | 1.121990524 | 9.35E-05 |
| 'RASL11B' | 1.412125904 | 9.61E-05 |
| 'RHD' | -2.022367813 | 9.84E-05 |
| 'PLGLB1' | -2.502500341 | 9.88E-05 |
| 'FUZ' | -1.321928095 | 1.02E-04 |
| 'NLRP2' | -1.314510623 | 1.04E-04 |
| 'C5orf46' | 2.550197083 | 1.08E-04 |
| 'ELF5' | -3.321928095 | 1.11E-04 |
| 'SHROOM2' | -1.164386818 | 1.15E-04 |
| 'CDK5R2' | 1.435386145 | 1.19E-04 |
| 'SPN' | -1 | 1.21E-04 |
| 'SECTM1' | -1.46529227 | 1.24E-04 |
| 'FADS2' | -1.429987841 | 1.25E-04 |
| 'CACNA1D' | -1.450661409 | 1.26E-04 |
| 'ZNF169' | -1.568842835 | 1.26E-04 |
| 'FST' | -1.89077093 | 1.28E-04 |
| 'SCARF2' | -1.584962501 | 1.33E-04 |
| 'SERPING1' | -1.108706259 | 1.41E-04 |
| 'CEMP1' | 3.882643049 | 1.42E-04 |
| 'TMEM116' | -1.116917752 | 1.48E-04 |
| 'LETM2' | 1.131911676 | 1.49E-04 |
| 'TRAF1' | 2.95419631 | 1.51E-04 |
| 'NR1I3' | 2.770518154 | 1.51E-04 |
| 'MAP3K12' | -1.342392197 | 1.52E-04 |
| 'BORCS8-MEF2B' | -2.669851398 | 1.61E-04 |
| 'ME1' | 1.657112286 | 1.61E-04 |
| 'ITIH5' | -2.247927513 | 1.69E-04 |
| 'CEP85L' | -1.453717967 | 1.77E-04 |
| 'ESR1' | -1.494764692 | 1.79E-04 |
| 'IGF2BP1' | -1.716207034 | 1.80E-04 |
| 'NRIP2' | -1.818161677 | 1.80E-04 |
| 'NAV3' | 1.544320516 | 1.83E-04 |
| 'ATG9B' | 3.36923381 | 1.85E-04 |
| 'SIGLEC6' | -1.231325546 | 1.88E-04 |
| 'ADAMTSL2' | -1.222392421 | 1.99E-04 |
| 'HSD11B1L' | -1.263034406 | 1.99E-04 |
| 'ZNF829' | -1.862496476 | 2.04E-04 |
| 'LRRC36' | -3.40599236 | 2.04E-04 |
| 'C2orf81' | -1.746243408 | 2.13E-04 |
| 'ODF3B' | -1.172579455 | 2.16E-04 |
| 'RAET1G' | -1.093659107 | 2.21E-04 |
| 'BPIFB1' | -1.376854305 | 2.23E-04 |
| 'TMEM163' | -1.84502534 | 2.28E-04 |
| 'L1TD1' | -4.169925001 | 2.31E-04 |
| 'CSF3' | -5.614709844 | 2.31E-04 |
| 'SLAMF6' | -3.906890596 | 2.31E-04 |
| 'APOBEC3D' | -1.654004145 | 2.39E-04 |
| 'OSCP1' | -1.130396637 | 2.40E-04 |
| 'DND1' | -1.014548309 | 2.44E-04 |
| 'COL9A3' | -2.777607579 | 2.52E-04 |
| 'IGFBP7' | -4 | 2.57E-04 |
| 'INHBE' | -3.584962501 | 2.57E-04 |
| 'LOC653513' | -1.392317423 | 2.63E-04 |
| 'FAM167A' | -1.124328135 | 2.66E-04 |
| 'KRT34' | 5.426264755 | 2.67E-04 |
| 'SYNE4' | -2.023083613 | 2.83E-04 |
| 'PCDHB10' | -2.095157233 | 2.83E-04 |
| 'SLAMF9' | 1.95550054 | 3.01E-04 |
| 'APOLD1' | -1.459431619 | 3.19E-04 |
| 'DHRS12' | -1.249476301 | 3.19E-04 |
| 'SAMD11' | -1.836501268 | 3.23E-04 |
| 'LOC107985911' | 1.047048573 | 3.39E-04 |
| 'CLIP3' | -1.584962501 | 3.62E-04 |
| 'LOC107985532' | -3.169925001 | 3.72E-04 |
| 'C6orf226' | -1.27702487 | 3.77E-04 |
| 'ZC3H12D' | -1.691877705 | 3.84E-04 |
| 'C17orf113' | -1.700439718 | 3.84E-04 |
| 'LHX4' | -1.142019005 | 3.94E-04 |
| 'ZNF117' | -1.043068722 | 4.03E-04 |
| 'ACSM1' | -2.554588852 | 4.47E-04 |
| 'AQP1' | -2.772589504 | 4.47E-04 |
| 'PLCB1' | -1.023846742 | 4.47E-04 |
| 'CARMIL3' | -3 | 4.47E-04 |
| 'AKAP12' | -2.807354922 | 4.47E-04 |
| 'LMNTD2' | -1.151065974 | 4.51E-04 |
| 'SYT8' | -1.538866086 | 4.58E-04 |
| 'CDH12' | -4.247927513 | 4.60E-04 |
| 'C4A' | -3.584962501 | 4.60E-04 |
| 'CYP2D6' | -5.554588852 | 4.60E-04 |
| 'PCDHGC3' | -4.523561956 | 4.60E-04 |
| 'SV2A' | -4.459431619 | 4.60E-04 |
| 'LOC105379417' | -2.189824559 | 4.72E-04 |
| 'VWA5A' | -2.852442812 | 4.72E-04 |
| 'LTB4R2' | -1.189033824 | 4.82E-04 |
| 'LOC107987237' | -2.517848305 | 4.82E-04 |
| 'SMPX' | -2.531720479 | 4.82E-04 |
| 'TMEM249' | -2.273018494 | 4.88E-04 |
| 'KCNAB3' | -2.115477217 | 4.88E-04 |
| 'PROB1' | -2.357552005 | 4.88E-04 |
| 'ARHGAP4' | -2.357552005 | 4.88E-04 |
| 'PRXL2A' | -2.437405312 | 5.04E-04 |
| 'USP2' | -1.608809243 | 5.10E-04 |
| 'SLC2A4' | -1.142444265 | 5.12E-04 |
| 'GDPD1' | -1.236067358 | 5.37E-04 |
| 'LOC112268342' | -1.351472371 | 5.46E-04 |
| 'BBOF1' | -1.455194626 | 5.46E-04 |
| 'CFI' | -1.777607579 | 5.81E-04 |
| 'COLCA2' | -1.94596016 | 5.81E-04 |
| 'SNRPN' | -1.690895945 | 5.92E-04 |
| 'CBX7' | -1.046293652 | 5.96E-04 |
| 'DGLUCY' | -1.94753258 | 6.52E-04 |
| 'ITGA10' | -1.765534746 | 6.52E-04 |
| 'PCDHB12' | -1.854149134 | 6.52E-04 |
| 'FBXL13' | -1.754887502 | 6.52E-04 |
| 'PPP5D1' | -2.283792966 | 6.52E-04 |
| '112267923' | -3.129283017 | 6.73E-04 |
| 'HIST1H3G' | -3.163230349 | 6.73E-04 |
| 'RGPD4' | -1.700439718 | 6.90E-04 |
| 'ABHD14A-ACY1' | 1.056034035 | 7.01E-04 |
| 'PDE6A' | -1.165059246 | 7.20E-04 |
| 'TSPOAP1' | -2 | 7.20E-04 |
| 'CDIP1' | -1.925999419 | 7.20E-04 |
| 'BCL2L14' | -1.598637438 | 7.69E-04 |
| 'KPNA7' | 1.762960803 | 7.73E-04 |
| 'PLEKHD1' | -2 | 7.80E-04 |
| 'P2RY2' | -1.765534746 | 7.80E-04 |
| 'AFAP1L2' | -2.64385619 | 7.83E-04 |
| 'RD3' | -2.584962501 | 7.83E-04 |
| 'RUNX1T1' | -2.115477217 | 7.84E-04 |
| 'SSC4D' | -1.162938571 | 7.98E-04 |
| 'LTC4S' | -1.768674454 | 7.99E-04 |
| 'SLC43A1' | -1.38827059 | 8.17E-04 |
| 'ADAMTS6' | -1.30256277 | 8.18E-04 |
| 'LOC100505549' | -2.215012891 | 8.19E-04 |
| '112267922' | -2.078002512 | 8.26E-04 |
| 'ST3GAL3' | -1.234465254 | 8.26E-04 |
| 'LOC107986211' | -1.289506617 | 8.26E-04 |
| 'CCDC74A' | -1.311201688 | 8.40E-04 |
| 'HCFC2' | 1.180572246 | 8.41E-04 |
| 'PRDM16' | -3.459431619 | 9.08E-04 |
| 'TREM1' | -3.222392421 | 9.08E-04 |
| 'SERPINA5' | -4.044394119 | 9.09E-04 |
| 'CTTNBP2' | -3.700439718 | 9.09E-04 |
| 'ADCY2' | -3.169925001 | 9.09E-04 |
| 'PRR5-ARHGAP8' | -4.95419631 | 9.09E-04 |
| 'LOC107985728' | -4.087462841 | 9.09E-04 |
| 'ARNT2' | -3.169925001 | 9.10E-04 |
| 'KRT36' | -5.209453366 | 9.10E-04 |
| 'USP17L15' | -5.209453366 | 9.10E-04 |
| 'SOX5' | -3.700439718 | 9.10E-04 |
| 'HOXA3' | -4.169925001 | 9.10E-04 |
| 'ZIC2' | -4.321928095 | 9.10E-04 |
| 'SYT2' | -3.459431619 | 9.10E-04 |
| 'KRTAP2-3' | 1.062378785 | 9.29E-04 |
| 'FGF1' | 3 | 9.58E-04 |
| 'TBC1D3H' | -1.211504105 | 9.75E-04 |
| 'NUTM2A' | -1.022367813 | 9.97E-04 |

Supplementary Table 10. Identification of the AQP5 protein complex by mass spectrometry

|  |  |  |
| --- | --- | --- |
| Protein\_ID | Description | iBAQ |
| NP\_001642.1 | aquaporin-5 | 30556485.39 |
| NP\_006112.3 | keratin, type II cytoskeletal 1 | 20555871.14 |
| NP\_000412.4 | keratin, type I cytoskeletal 10 isoform 1 | 14504326 |
| NP\_000217.2 | keratin, type I cytoskeletal 9 | 7186341.324 |
| NP\_000414.2 | keratin, type II cytoskeletal 2 epidermal | 6644792.324 |
| NP\_878912.1 | dehydrogenase/reductase SDR family member 2, mitochondrial isoform 1 | 2427465.631 |
| NP\_000468.1 | albumin preproprotein | 2241150.119 |
| NP\_000415.2 | keratin, type II cytoskeletal 5 | 1272116.766 |
| NP\_001029249.1 | histone H4 | 1107569.379 |
| NP\_000962.2 | 60S ribosomal protein L7 isoform 1 | 1094066.268 |
| NP\_000509.1 | hemoglobin subunit beta | 876282.3075 |
| NP\_001287783.1 | dermcidin isoform 2 preproprotein | 835260.3967 |
| NP\_077017.1 | UPF0184 protein C9orf16 | 804233.7139 |
| NP\_000517.3 | keratin, type I cytoskeletal 14 | 690814.1854 |
| NP\_000508.1 | hemoglobin subunit alpha >NP\_000549.1 hemoglobin subunit alpha | 612912.7387 |
| NP\_003840.2 | succinate--CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial precursor | 470086.5928 |
| NP\_000972.1 | 60S ribosomal protein L19 isoform 1 | 453735.5341 |
| NP\_821133.1 | tubulin beta chain isoform b | 401189.7461 |
| NP\_000286.3 | alpha-1-antitrypsin | 375355.2544 |
| NP\_005338.1 | endoplasmic reticulum chaperone BiP precursor | 357967.2088 |
| NP\_001243222.1 | keratin, type II cytoskeletal 8 isoform 2 | 350740.511 |
| NP\_001002858.1 | annexin A2 isoform 1 | 339591.4009 |
| NP\_001092.1 | actin, cytoplasmic 1 | 338681.626 |
| NP\_001121188.1 | electron transfer flavoprotein subunit alpha, mitochondrial isoform b | 306501.084 |
| NP\_004951.1 | RNA-binding protein FUS isoform 1 | 297619.7397 |
| NP\_001393.1 | elongation factor 1-alpha 1 | 297120.1652 |
| NP\_001924.2 | dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial isoform 1 precursor | 294834.7986 |
| NP\_000413.1 | keratin, type I cytoskeletal 17 | 292422.8025 |
| NP\_001036041.2 | ribosome-binding protein 1 isoform 2 | 286228.5012 |
| NP\_004125.3 | stress-70 protein, mitochondrial precursor | 264485.3401 |
| NP\_005309.1 | histone H1.0 | 262142.8516 |
| NP\_003970.1 | retinoic acid-induced protein 3 | 230736.4437 |
| XP\_016881278.1 | ATP synthase subunit alpha, mitochondrial isoform X1 | 229740.7137 |
| NP\_005548.2 | keratin, type I cytoskeletal 16 | 227430.1758 |
| NP\_002128.1 | heterogeneous nuclear ribonucleoproteins A2/B1 isoform A2 | 224118.4244 |
| NP\_254280.1 | histone H2A type 3 | 223960.8966 |
| NP\_001317178.1 | heterogeneous nuclear ribonucleoprotein A3 isoform a | 196893.9322 |
| NP\_000030.1 | apolipoprotein A-I isoform 1 preproprotein | 189805.3449 |
| NP\_005545.1 | keratin, type II cytoskeletal 6A | 185708.8462 |
| NP\_006588.1 | heat shock cognate 71 kDa protein isoform 1 | 179289.6213 |
| XP\_016885614.1 | uncharacterized protein LOC102723930 | 179048.0926 |
| NP\_001231867.1 | thioredoxin isoform 2 | 161359.3372 |
| NP\_001258901.1 | heat shock protein HSP 90-beta isoform c | 155894.3193 |
| NP\_001369692.1 | fibrinogen beta chain isoform 7 preproprotein | 148015.2217 |
| NP\_005204.1 | cystatin-A | 132892.5525 |
| NP\_001243728.1 | glyceraldehyde-3-phosphate dehydrogenase isoform 2 | 124902.5581 |
| NP\_005773.3 | THO complex subunit 4 | 122407.0162 |
| NP\_000968.2 | 60S ribosomal protein L13 isoform 1 | 120834.9667 |
| NP\_001743.1 | catalase | 115338.6668 |
| NP\_000215.1 | keratin, type I cytoskeletal 18 | 113739.8275 |
| NP\_005546.2 | keratin, type II cytoskeletal 6B | 104216.307 |
| NP\_003371.2 | vimentin | 102375.5461 |
| NP\_003132.2 | E3 ubiquitin-protein ligase TRIM21 | 101302.1283 |
| NP\_001419.1 | alpha-enolase isoform 1 | 99857.86709 |
| NP\_068656.2 | fibrinogen gamma chain isoform gamma-B precursor | 99473.67639 |
| NP\_005134.1 | haptoglobin isoform 1 preproprotein | 96008.96062 |
| NP\_001070911.1 | heterogeneous nuclear ribonucleoproteins C1/C2 isoform b | 95100.42987 |
| NP\_064583.2 | coiled-coil domain-containing protein 47 precursor | 93647.60662 |
| NP\_002127.1 | heterogeneous nuclear ribonucleoprotein A1 isoform a | 92436.1569 |
| NP\_005150.1 | actin, alpha cardiac muscle 1 | 92015.68755 |
| NP\_006003.1 | ATP-dependent Clp protease proteolytic subunit, mitochondrial precursor | 91179.55477 |
| NP\_001257419.1 | 60S ribosomal protein L18 isoform 2 | 89605.30117 |
| NP\_001435.1 | fatty acid-binding protein 5 | 89356.95872 |
| NP\_001193943.1 | serpin H1 precursor | 84838.50409 |
| NP\_001351170.1 | heterogeneous nuclear ribonucleoprotein H isoform f | 84508.56682 |
| NP\_006796.1 | heterogeneous nuclear ribonucleoprotein A0 | 82451.59649 |
| XP\_011523095.1 | keratin, type I cuticular Ha4 isoform X1 | 81117.2185 |
| NP\_001634.1 | apolipoprotein A-II preproprotein | 78874.46661 |
| NP\_002147.2 | 60 kDa heat shock protein, mitochondrial | 78491.52787 |
| NP\_002267.2 | keratin, type I cytoskeletal 19 | 76244.66368 |
| NP\_002268.2 | keratin, type I cuticular Ha1 | 72588.37744 |
| NP\_000998.1 | 40S ribosomal protein S4, X isoform | 71231.47774 |
| NP\_005304.3 | protein disulfide-isomerase A3 precursor | 70808.57391 |
| NP\_077739.1 | desmocollin-1 isoform Dsc1a preproprotein | 68979.4483 |
| NP\_001020241.1 | 40S ribosomal protein S14 | 68337.20998 |
| NP\_002270.1 | keratin, type I cuticular Ha3-II | 66004.68277 |
| NP\_001143.2 | ADP/ATP translocase 2 | 61973.02282 |
| NP\_000975.2 | 60S ribosomal protein L23a | 61325.36007 |
| NP\_001348.2 | ATP-dependent RNA helicase A | 60981.16328 |
| NP\_000230.1 | lysozyme C precursor | 60324.13579 |
| NP\_001352289.1 | elongation factor Tu, mitochondrial isoform 2 precursor | 59524.37379 |
| NP\_005372.2 | nucleolin | 59026.87975 |
| NP\_001933.2 | desmoglein-1 preproprotein | 57995.77237 |
| NP\_001677.2 | ATP synthase subunit beta, mitochondrial precursor | 57600.31634 |
| NP\_000959.2 | 60S ribosomal protein L4 | 55548.90697 |
| NP\_001254629.1 | prohibitin-2 isoform 3 | 54400.28729 |
| NP\_068657.1 | fibrinogen alpha chain isoform alpha precursor | 54112.18349 |
| NP\_000981.1 | 60S ribosomal protein L27a | 53247.79962 |
| NP\_001054.2 | serotransferrin isoform 1 precursor | 50024.18956 |
| NP\_072045.1 | 40S ribosomal protein S18 | 49735.60736 |
| NP\_001269554.1 | lamin isoform C | 47077.49851 |
| NP\_001294857.1 | serpin B12 isoform 1 | 46556.13414 |
| XP\_011514996.1 | putative maltase-glucoamylase-like protein FLJ16351 isoform X3 | 46050.05446 |
| NP\_001306127.1 | protein S100-A8 isoform c | 45933.56807 |
| NP\_005057.1 | splicing factor, proline- and glutamine-rich | 45273.25272 |
| NP\_000598.2 | alpha-1-acid glycoprotein 1 precursor | 43343.35426 |
| NP\_003290.1 | endoplasmin precursor | 42867.37187 |
| NP\_000911.2 | pyruvate carboxylase, mitochondrial precursor | 39796.48328 |
| XP\_011519466.1 | ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial isoform X1 | 38853.30577 |
| NP\_001339702.1 | junction plakoglobin | 38657.55443 |
| NP\_009140.1 | 60S ribosomal protein L35 | 37813.14592 |
| NP\_001019820.1 | calnexin isoform d precursor | 36536.90797 |
| NP\_000997.1 | 40S ribosomal protein S3a isoform 1 | 36351.37951 |
| NP\_001356414.1 | protein LSM12 homolog isoform 2 | 34934.62652 |
| NP\_001176.1 | zinc-alpha-2-glycoprotein precursor | 34710.90863 |
| NP\_000963.1 | 60S ribosomal protein L7a | 34603.41286 |
| NP\_004406.2 | desmoplakin isoform I | 32998.30554 |
| NP\_001341935.1 | nucleophosmin isoform 1 >NP\_002511.1 nucleophosmin isoform 1 | 31814.97546 |
| NP\_149034.2 | keratin, type II cuticular Hb4 | 30677.58783 |
| NP\_001001.2 | 40S ribosomal protein S6 | 30528.56125 |
| NP\_001017963.2 | heat shock protein HSP 90-alpha isoform 1 | 30345.48109 |
| NP\_002272.2 | keratin, type II cuticular Hb1 | 28771.91723 |
| NP\_778253.2 | keratin, type II cytoskeletal 1b | 28454.5049 |
| NP\_001011709.2 | pancreatic lipase-related protein 3 precursor | 28422.65576 |
| XP\_016875261.1 | GTP-binding nuclear protein Ran isoform X1 | 28025.80657 |
| NP\_053733.2 | RNA-binding protein EWS isoform 1 | 27940.53623 |
| NP\_005336.3 | heat shock 70 kDa protein 1A | 27836.2359 |
| NP\_001013.1 | 40S ribosomal protein S19 isoform 1 | 26967.37149 |
| NP\_001255.4 | corneodesmosin precursor | 26787.10878 |
| NP\_061848.2 | telomeric repeat-binding factor 2-interacting protein 1 | 26744.91599 |
| XP\_011536312.1 | keratin, type II cytoskeletal 78 isoform X1 | 25919.50417 |
| NP\_001531.1 | heat shock protein beta-1 | 24891.90632 |
| XP\_011511897.1 | transcriptional adapter 2-beta isoform X1 | 24396.44906 |
| NP\_001231367.1 | arginase-1 isoform 1 | 23579.20546 |
| NP\_003236.3 | protein-glutamine gamma-glutamyltransferase E | 22774.36046 |
| NP\_001365399.1 | serine/threonine-protein kinase B-raf isoform 8 | 22700.41186 |
| NP\_001306006.1 | high mobility group protein HMG-I/HMG-Y isoform b | 22500.34977 |
| NP\_570843.2 | leucine-rich repeat-containing protein 15 isoform b precursor | 21475.53336 |
| NP\_001009931.1 | hornerin | 21335.20386 |
| NP\_001349460.1 | creatine kinase B-type isoform 2 | 21246.4729 |
| NP\_114032.2 | heterogeneous nuclear ribonucleoprotein U isoform a | 20934.68926 |
| NP\_001280202.1 | methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial isoform 2 | 20823.39428 |
| NP\_001035810.1 | glucose-6-phosphate 1-dehydrogenase isoform b | 20128.34655 |
| NP\_005557.1 | L-lactate dehydrogenase A chain isoform 1 | 20107.55518 |
| NP\_005312.1 | histone H1.4 | 18594.19426 |
| NP\_001014402.1 | katanin p60 ATPase-containing subunit A-like 1 | 16892.85684 |
| NP\_006079.1 | tubulin beta-4B chain | 16725.33626 |
| NP\_036246.1 | caspase-14 precursor | 15933.79777 |
| NP\_002941.1 | dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1 precursor | 15830.18115 |
| NP\_004930.1 | ATP-dependent RNA helicase DDX1 | 15445.39597 |
| NP\_000599.1 | alpha-1-acid glycoprotein 2 precursor | 15140.23406 |
| NP\_001026854.1 | serine/arginine-rich splicing factor 7 isoform 1 | 15063.29927 |
| NP\_116093.1 | tubulin alpha-1C chain isoform c | 14120.47173 |
| NP\_000377.1 | bleomycin hydrolase | 13995.1543 |
| XP\_016868070.1 | zonadhesin isoform X1 | 13600.11023 |
| NP\_000933.1 | peptidyl-prolyl cis-trans isomerase B precursor | 13452.45112 |
| NP\_006818.3 | transmembrane emp24 domain-containing protein 10 precursor | 13310.42722 |
| NP\_000350.1 | protein-glutamine gamma-glutamyltransferase K | 12488.86509 |
| NP\_004896.1 | peroxiredoxin-6 | 11970.668 |
| XP\_016865666.1 | heterogeneous nuclear ribonucleoprotein Q isoform X2 | 11159.11236 |
| NP\_002130.2 | RNA-binding motif protein, X chromosome isoform 1 | 10943.72482 |
| NP\_001171597.1 | immunoglobulin lambda-like polypeptide 5 isoform 1 | 10933.00114 |
| NP\_001307526.1 | probable ATP-dependent RNA helicase DDX5 isoform b | 10280.36279 |
| NP\_001306115.1 | hepatoma-derived growth factor isoform d | 10209.81587 |
| XP\_016885267.1 | ubiquitin-like modifier-activating enzyme 1 isoform X2 | 9693.466497 |
| NP\_002274.1 | keratin, type II cuticular Hb5 isoform 1 | 9564.586726 |
| NP\_000055.2 | complement C3 preproprotein | 9455.221212 |
| NP\_877963.1 | 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1 isoform b | 8765.966987 |
| NP\_002464.1 | myosin-9 | 8687.705446 |
| NP\_008850.1 | serpin B3 | 8668.029106 |
| NP\_000977.1 | 60S ribosomal protein L24 | 8613.178767 |
| NP\_000993.1 | 60S acidic ribosomal protein P0 | 8478.889377 |
| NP\_066964.1 | X-ray repair cross-complementing protein 5 | 8220.567306 |
| NP\_001317121.1 | nuclear pore complex protein Nup107 isoform 2 | 7968.309689 |
| NP\_066289.3 | polyubiquitin-C | 7878.96518 |
| XP\_011534757.1 | serpin A12 isoform X2 | 7641.650091 |
| NP\_000961.2 | 60S ribosomal protein L6 isoform 1 | 7620.979141 |
| NP\_001189360.1 | peroxiredoxin-1 | 7335.871472 |
| NP\_001273149.1 | aspartate aminotransferase, mitochondrial isoform 2 precursor | 7289.146016 |
| NP\_001207423.1 | glycine N-acyltransferase-like protein 1 isoform 2 | 7086.419488 |
| NP\_001627.2 | ADP/ATP translocase 3 | 6938.102765 |
| XP\_024307077.1 | transcription intermediary factor 1-beta isoform X1 | 6759.366318 |
| NP\_001596.2 | alanine--tRNA ligase, cytoplasmic | 6569.630128 |
| NP\_001189399.1 | RPS10-NUDT3 protein | 6242.990953 |
| NP\_001447.2 | filamin-A isoform 1 | 5874.968408 |
| NP\_006176.2 | nuclear mitotic apparatus protein 1 isoform 1 | 5839.073173 |
| NP\_006784.1 | thioredoxin-dependent peroxide reductase, mitochondrial isoform a precursor | 5366.540022 |
| NP\_001020402.1 | keratinocyte proline-rich protein | 5332.996416 |
| XP\_006713564.1 | ceruloplasmin isoform X5 | 5319.97145 |
| NP\_000971.1 | 60S ribosomal protein L18a | 5212.977375 |
| NP\_001029025.1 | 60S ribosomal protein L3 isoform b | 5178.539044 |
| NP\_001609.2 | poly [ADP-ribose] polymerase 1 | 5121.485894 |
| XP\_016882223.1 | protein arginine N-methyltransferase 1 isoform X1 | 5106.967994 |
| NP\_689714.2 | pyrin and HIN domain-containing protein 1 isoform alpha 1 | 4976.511554 |
| NP\_000031.1 | apolipoprotein C-III precursor | 4488.712732 |
| NP\_001030168.1 | 60S ribosomal protein L14 | 4356.229814 |
| NP\_001427.2 | rRNA 2'-O-methyltransferase fibrillarin | 4212.592043 |
| XP\_016880661.1 | SRC kinase signaling inhibitor 1 isoform X4 | 4071.812249 |
| XP\_011512637.1 | leukocyte elastase inhibitor isoform X2 | 3897.61494 |
| NP\_001001414.1 | F-box only protein 50 | 3572.291981 |
| NP\_001091674.1 | heterogeneous nuclear ribonucleoprotein F | 3565.861054 |
| NP\_000290.2 | plakophilin-1 isoform 1b | 3432.886261 |
| NP\_001129171.1 | 14-3-3 protein zeta/delta | 3359.894157 |
| NP\_001350789.1 | 40S ribosomal protein S16 isoform 3 | 3274.213508 |
| NP\_001003810.1 | heterogeneous nuclear ribonucleoprotein D0 isoform d | 3092.978664 |
| NP\_001338962.1 | DAZ-associated protein 1 isoform c | 3047.045796 |
| NP\_001269582.1 | stress-induced-phosphoprotein 1 isoform c | 2997.994593 |
| NP\_001074961.1 | keratin, type II cytoskeletal 80 isoform K80.1 | 2935.201861 |
| NP\_004484.1 | 3-hydroxyacyl-CoA dehydrogenase type-2 isoform 1 | 2899.58585 |
| NP\_060090.2 | interleukin enhancer-binding factor 3 isoform d | 2722.153104 |
| NP\_001014364.1 | filaggrin-2 | 2682.029718 |
| NP\_066953.1 | peptidyl-prolyl cis-trans isomerase A isoform 1 | 2608.520718 |
| NP\_001297244.1 | tubulin beta-2A chain isoform 2 | 2604.792741 |
| NP\_003762.1 | keratin, type I cuticular Ha6 | 2600.374078 |
| NP\_005653.3 | voltage-dependent anion-selective channel protein 3 isoform 1 | 2598.755873 |
| NP\_005264.2 | guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2 | 2596.730133 |
| NP\_001193726.1 | pyruvate kinase PKM isoform d | 2556.83736 |
| NP\_000996.2 | 40S ribosomal protein S3 isoform 1 | 2096.233714 |
| NP\_000909.2 | protein disulfide-isomerase precursor | 2045.938637 |
| NP\_001309108.1 | contactin-associated protein-like 4 isoform 4 precursor | 1948.634178 |
| NP\_001335874.1 | ATP-dependent translocase ABCB1 isoform 1 | 1923.109765 |
| NP\_004334.1 | calreticulin precursor | 1868.608591 |
| XP\_024305886.1 | hemicentin-1 isoform X3 | 1713.491427 |
| NP\_112480.2 | heterogeneous nuclear ribonucleoprotein M isoform b | 1686.454168 |
| NP\_006422.1 | T-complex protein 1 subunit beta isoform 1 | 1623.032322 |
| NP\_079197.3 | protein POF1B isoform 1 | 1578.243843 |
| NP\_005207.3 | dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit precursor | 1341.769616 |
| XP\_005251038.1 | plectin isoform X7 | 1334.617935 |
| NP\_476429.2 | keratin, type II cytoskeletal 3 | 1265.313947 |
| XP\_016884445.1 | clathrin heavy chain 2 isoform X4 | 1139.954108 |
| NP\_036565.2 | splicing factor 3B subunit 1 isoform 1 | 1017.97529 |
| NP\_006182.2 | proliferation-associated protein 2G4 | 990.6232288 |
| NP\_001129676.1 | protein RCC2 | 798.8861281 |
| NP\_002435.1 | moesin | 791.8120659 |
| NP\_001263382.1 | importin subunit beta-1 isoform 2 | 726.4282608 |
| NP\_006187.2 | poly(rC)-binding protein 1 | 711.2351778 |
| NP\_001275905.1 | X-ray repair cross-complementing protein 6 isoform 1 | 625.6266603 |
| NP\_112598.3 | epiplakin | 600.1279145 |
| NP\_001182461.1 | spectrin alpha chain, non-erythrocytic 1 isoform 3 | 535.4470122 |
| XP\_005259654.1 | polypyrimidine tract-binding protein 1 isoform X1 | 466.9709662 |
| NP\_004519.1 | microsomal glutathione S-transferase 3 | 438.6011089 |
| NP\_001287843.1 | dnaJ homolog subfamily B member 1 isoform 2 | 411.3280344 |
| NP\_001316019.1 | ephrin type-A receptor 2 isoform 2 | 352.084128 |
| NP\_000080.2 | collagen alpha-2(I) chain precursor | 267.0757576 |
| NP\_001257328.1 | tubulin alpha-1A chain isoform 1 | 260.8171457 |
| NP\_001333374.1 | neuroblast differentiation-associated protein AHNAK isoform 1 | 245.4679407 |
| NP\_006436.3 | pre-mRNA-processing-splicing factor 8 | 232.3959869 |
| NP\_001310353.1 | RNA-binding protein 39 isoform g | 153.3499452 |
| NP\_009123.1 | FACT complex subunit SPT16 | 49.35108641 |
| XP\_024307775.1 | helicase with zinc finger domain 2 isoform X2 | 23.52758793 |
| NP\_853631.1 | keratin-associated protein 13-4 | 0 |
| NP\_003283.2 | nucleoprotein TPR | 0 |
| NP\_001158255.1 | 2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial isoform 2 precursor | 0 |
| NP\_149972.1 | L-lactate dehydrogenase A-like 6B | 0 |
| NP\_001018077.1 | plasminogen activator inhibitor 1 RNA-binding protein isoform 1 | 0 |
| NP\_003365.1 | voltage-dependent anion-selective channel protein 1 | 0 |
| NP\_006089.1 | receptor of activated protein C kinase 1 | 0 |
| NP\_005879.1 | phosphate carrier protein, mitochondrial isoform a precursor | 0 |
| NP\_001055.1 | transketolase isoform 1 | 0 |
| NP\_001010942.1 | ras-related protein Rap-1b isoform 1 precursor | 0 |
| NP\_000079.2 | collagen alpha-1(I) chain preproprotein | 0 |
| NP\_001342150.1 | putative tubulin-like protein alpha-4B | 0 |
| NP\_001395.1 | elongation factor 1-gamma | 0 |
| NP\_001171752.1 | voltage-dependent anion-selective channel protein 2 isoform 2 | 0 |
| NP\_001305116.1 | heterogeneous nuclear ribonucleoprotein K isoform d | 0 |
| NP\_056016.1 | ribosome biogenesis protein BOP1 | 0 |
| NP\_060530.3 | isoleucine--tRNA ligase, mitochondrial precursor | 0 |
| NP\_057018.1 | nucleolar protein 58 | 0 |
| NP\_001121089.1 | fructose-bisphosphate aldolase A isoform 1 | 0 |
| NP\_853630.2 | keratin-associated protein 13-1 | 0 |
| NP\_001132913.1 | B-cell receptor-associated protein 31 isoform b | 0 |
| XP\_024309179.1 | nuclear pore membrane glycoprotein 210 isoform X1 | 0 |
| NP\_001305904.1 | 2-oxoisovalerate dehydrogenase subunit beta, mitochondrial isoform 2 | 0 |
| NP\_001120700.1 | chromobox protein homolog 1 | 0 |
| XP\_006719137.1 | L-lactate dehydrogenase B chain isoform X1 | 0 |
| NP\_000989.1 | 60S ribosomal protein L37a | 0 |
| NP\_001123631.1 | storkhead-box protein 1 isoform b | 0 |
| NP\_001307540.1 | importin subunit alpha-1 | 0 |
| NP\_001243439.1 | single-stranded DNA-binding protein, mitochondrial precursor | 0 |
| NP\_001349.2 | pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15 | 0 |
| NP\_001365185.1 | small nuclear ribonucleoprotein-associated protein N isoform c | 0 |
| XP\_011539528.1 | D-3-phosphoglycerate dehydrogenase isoform X1 | 0 |
| NP\_001076.2 | alpha-1-antichymotrypsin precursor | 0 |
| NP\_055121.1 | RNA-splicing ligase RtcB homolog | 0 |
| NP\_001152759.1 | triosephosphate isomerase isoform 2 | 0 |
| NP\_003519.1 | histone H2B type 2-E | 0 |
| NP\_001281074.1 | lupus La protein | 0 |
| NP\_005800.3 | peroxiredoxin-2 | 0 |
| NP\_005909.2 | malate dehydrogenase, mitochondrial isoform 1 precursor | 0 |
| NP\_001186911.1 | NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial isoform 3 | 0 |
| NP\_001268425.1 | prohibitin isoform 1 | 0 |
| NP\_001137232.1 | eukaryotic translation initiation factor 5A-1 isoform A | 0 |
| NP\_001016.1 | 40S ribosomal protein S23 | 0 |
| XP\_011512592.1 | forkhead box protein P4 isoform X2 | 0 |
| NP\_001122384.1 | poly(rC)-binding protein 2 isoform e | 0 |
| XP\_005270602.1 | lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial isoform X1 | 0 |
| XP\_016877210.1 | alpha-actinin-1 isoform X2 | 0 |
| NP\_001900.1 | cathepsin D preproprotein | 0 |
| XP\_005251560.1 | WD40 repeat-containing protein SMU1 isoform X1 | 0 |
| NP\_853652.1 | keratin-associated protein 13-2 | 0 |
| NP\_000282.1 | phosphoglycerate kinase 1 | 0 |
| NP\_001316363.2 | nuclear pore complex protein Nup205 isoform 2 | 0 |
| NP\_001958.2 | eukaryotic initiation factor 4A-II | 0 |
| NP\_001243839.1 | nucleolar RNA helicase 2 isoform 2 | 0 |
| NP\_002937.1 | replication protein A 32 kDa subunit isoform 1 | 0 |
| NP\_001332797.1 | translation factor GUF1, mitochondrial isoform 3 | 0 |
| NP\_001524.2 | heterogeneous nuclear ribonucleoprotein L isoform a | 0 |
| XP\_005261192.1 | ATP-dependent 6-phosphofructokinase, liver type isoform X3 | 0 |
| NP\_037460.2 | pyrroline-5-carboxylate reductase 2 isoform 1 | 0 |