

Table S1. List of statistically significant differentially expressed genes between unstimulated and stimulated peripheral CD4+ T cells from the Resting-cell model. Genes are ranked by the average log2 fold change (FC).

| Gene | FC (log2) | p value | FDR |
|------------|-----------|----------|--------|
| IFNG | 14.06 | 1.07E-06 | 0.0165 |
| ZBTB32 | 12.37 | 4.66E-04 | 0.0420 |
| AP003472.1 | 12.27 | 1.01E-04 | 0.0213 |
| CCL4L2 | 11.10 | 2.38E-04 | 0.0307 |
| IL9 | 10.86 | 2.76E-04 | 0.0323 |
| MELK | 10.75 | 1.62E-05 | 0.0165 |
| P4HA2 | 10.03 | 2.14E-05 | 0.0165 |
| ARFGEF3 | 9.95 | 1.86E-04 | 0.0275 |
| CCL3L3 | 9.81 | 6.99E-06 | 0.0165 |
| MND1 | 9.80 | 3.69E-05 | 0.0165 |
| LINC02416 | 9.77 | 1.52E-04 | 0.0254 |
| CENPM | 9.66 | 8.28E-05 | 0.0188 |
| CCDC150 | 9.65 | 2.43E-05 | 0.0165 |
| BATF3 | 9.65 | 8.52E-06 | 0.0165 |
| TK1 | 9.63 | 4.58E-04 | 0.0420 |
| RN7SL471P | 9.63 | 2.31E-04 | 0.0303 |
| NIPAL1 | 9.62 | 7.63E-06 | 0.0165 |
| GALNT18 | 9.61 | 7.52E-06 | 0.0165 |
| FAM57A | 9.59 | 9.25E-06 | 0.0165 |
| IL13 | 9.22 | 1.52E-05 | 0.0165 |
| IL21 | 9.14 | 2.79E-05 | 0.0165 |
| C9orf172 | 9.14 | 2.66E-05 | 0.0165 |
| AC017002.3 | 9.04 | 1.19E-05 | 0.0165 |
| EMP1 | 9.03 | 1.20E-05 | 0.0165 |
| TREM1 | 8.86 | 1.56E-04 | 0.0259 |
| CDCA2 | 8.78 | 8.07E-05 | 0.0188 |
| FSD1 | 8.73 | 3.21E-04 | 0.0355 |
| C2orf72 | 8.69 | 4.53E-04 | 0.0420 |
| C4orf47 | 8.64 | 8.89E-05 | 0.0197 |
| Z83847.1 | 8.63 | 1.49E-05 | 0.0165 |
| UPK1A-AS1 | 8.62 | 3.02E-05 | 0.0165 |
| HIST1H4A | 8.59 | 3.39E-05 | 0.0165 |
| PDGFA | 8.59 | 4.53E-04 | 0.0420 |
| AC078819.1 | 8.55 | 1.15E-05 | 0.0165 |
| SPAG4 | 8.52 | 1.10E-04 | 0.0219 |
| RAC3 | 8.46 | 5.29E-05 | 0.0165 |
| SPC25 | 8.46 | 3.55E-05 | 0.0165 |
| AL158201.1 | 8.43 | 3.44E-05 | 0.0165 |
| RNU1-122P | 8.42 | 2.95E-05 | 0.0165 |
| BNIP3P1 | 8.42 | 3.64E-04 | 0.0378 |
| DEPDC4 | 8.42 | 4.07E-05 | 0.0165 |
| GJC1 | 8.41 | 2.32E-04 | 0.0303 |

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| IGHV1OR15-3 | 8.40 | 1.90E-04 | 0.0276 |
| FAM71B | 8.36 | 1.52E-05 | 0.0165 |
| PBK | 8.30 | 1.59E-05 | 0.0165 |
| PDZD4 | 8.30 | 1.47E-05 | 0.0165 |
| AOX1 | 8.29 | 2.03E-05 | 0.0165 |
| CYB5R2 | 8.24 | 5.19E-04 | 0.0443 |
| MAK | 8.19 | 5.33E-04 | 0.0452 |
| RASAL1 | 8.16 | 1.70E-05 | 0.0165 |
| PLEKHN1 | 8.15 | 2.55E-04 | 0.0311 |
| BSPRY | 8.12 | 3.35E-04 | 0.0363 |
| PALD1 | 8.03 | 1.83E-04 | 0.0274 |
| GALR2 | 8.02 | 2.45E-04 | 0.0308 |
| TERT | 8.01 | 1.84E-05 | 0.0165 |
| AL445524.1 | 7.97 | 3.99E-04 | 0.0388 |
| HOXB9 | 7.95 | 1.61E-05 | 0.0165 |
| SLC17A9 | 7.95 | 3.89E-04 | 0.0385 |
| SMOX | 7.92 | 3.27E-04 | 0.0359 |
| SPTBN2 | 7.89 | 1.70E-05 | 0.0165 |
| C3orf14 | 7.88 | 3.93E-05 | 0.0165 |
| RAI14 | 7.86 | 2.82E-04 | 0.0327 |
| AP000769.1 | 7.85 | 5.03E-04 | 0.0435 |
| RNU4ATAC | 7.83 | 2.74E-05 | 0.0165 |
| NCS1 | 7.81 | 3.41E-04 | 0.0367 |
| ARRDC4 | 7.79 | 1.65E-04 | 0.0262 |
| AC104261.1 | 7.77 | 2.83E-05 | 0.0165 |
| PLXNB1 | 7.76 | 4.73E-05 | 0.0165 |
| LRTOMT | 7.72 | 1.58E-05 | 0.0165 |
| STAP2 | 7.72 | 2.56E-04 | 0.0312 |
| PGAM1P2 | 7.71 | 6.08E-05 | 0.0167 |
| TSKU | 7.68 | 4.71E-04 | 0.0420 |
| AC130324.3 | 7.67 | 3.10E-05 | 0.0165 |
| SECTM1 | 7.67 | 6.70E-05 | 0.0173 |
| RCAN2 | 7.62 | 6.28E-05 | 0.0169 |
| ARHGEF37 | 7.60 | 6.49E-05 | 0.0170 |
| SPR | 7.59 | 2.03E-05 | 0.0165 |
| B3GNT4 | 7.57 | 3.71E-05 | 0.0165 |
| PHBP3 | 7.57 | 1.80E-04 | 0.0274 |
| AC110373.1 | 7.56 | 2.00E-04 | 0.0280 |
| PSRC1 | 7.56 | 1.97E-04 | 0.0279 |
| C3orf67 | 7.54 | 4.62E-04 | 0.0420 |
| AL049836.1 | 7.53 | 3.43E-04 | 0.0368 |
| FBXO43 | 7.47 | 1.87E-05 | 0.0165 |
| SYNGR3 | 7.47 | 1.12E-04 | 0.0219 |
| LPIN3 | 7.46 | 7.10E-05 | 0.0178 |
| AL109615.3 | 7.42 | 4.49E-05 | 0.0165 |
| CFAP58 | 7.34 | 2.50E-04 | 0.0309 |
| NALT1 | 7.32 | 3.24E-04 | 0.0358 |

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| TTC24 | 7.28 | 4.33E-05 | 0.0165 |
| SCDP1 | 7.27 | 5.54E-04 | 0.0463 |
| BX842568.2 | 7.27 | 1.05E-04 | 0.0216 |
| GVQW2 | 7.25 | 7.19E-05 | 0.0178 |
| AC005702.3 | 7.25 | 2.03E-05 | 0.0165 |
| LINC01160 | 7.17 | 2.54E-04 | 0.0311 |
| AL117336.2 | 7.17 | 3.54E-04 | 0.0373 |
| ALDOAP2 | 7.15 | 2.68E-04 | 0.0318 |
| AC114803.1 | 7.10 | 3.82E-04 | 0.0384 |
| CDC20P1 | 7.08 | 2.63E-04 | 0.0316 |
| LINC01686 | 7.07 | 3.20E-04 | 0.0355 |
| ESR2 | 7.07 | 1.36E-04 | 0.0239 |
| MAP3K20-AS1 | 7.04 | 3.83E-04 | 0.0384 |
| AC112721.2 | 7.02 | 5.18E-04 | 0.0443 |
| IL1A | 7.01 | 2.45E-05 | 0.0165 |
| TM4SF1 | 6.99 | 6.03E-05 | 0.0167 |
| NIPAL4 | 6.98 | 2.41E-05 | 0.0165 |
| CCDC153 | 6.97 | 2.93E-04 | 0.0333 |
| DFNA5 | 6.96 | 1.03E-04 | 0.0213 |
| SLC22A1 | 6.94 | 4.64E-04 | 0.0420 |
| ARVCF | 6.93 | 3.92E-05 | 0.0165 |
| QPRT | 6.90 | 2.84E-04 | 0.0329 |
| CTAGE6 | 6.90 | 7.14E-05 | 0.0178 |
| GNG4 | 6.87 | 2.58E-05 | 0.0165 |
| ATP2A1 | 6.85 | 7.45E-05 | 0.0181 |
| RHPN2 | 6.84 | 2.63E-04 | 0.0316 |
| RNVU1-7 | 6.83 | 2.80E-04 | 0.0327 |
| BX539320.1 | 6.83 | 4.77E-05 | 0.0165 |
| RRM2P3 | 6.83 | 2.44E-05 | 0.0165 |
| ZSCAN10 | 6.83 | 2.44E-05 | 0.0165 |
| LINC00158 | 6.83 | 4.10E-04 | 0.0395 |
| AL109914.1 | 6.82 | 3.84E-04 | 0.0384 |
| DHRS9 | 6.80 | 1.59E-04 | 0.0260 |
| CDC42EP2 | 6.79 | 1.24E-04 | 0.0228 |
| LYPLA2P1 | 6.78 | 5.08E-04 | 0.0437 |
| AC105074.1 | 6.78 | 2.75E-05 | 0.0165 |
| KIAA1549 | 6.77 | 1.24E-04 | 0.0228 |
| TWIST1 | 6.73 | 3.83E-04 | 0.0384 |
| CNGA1 | 6.71 | 1.12E-04 | 0.0219 |
| AC016700.3 | 6.66 | 3.28E-05 | 0.0165 |
| AC007608.4 | 6.66 | 6.22E-04 | 0.0497 |
| C11orf74 | 6.62 | 3.83E-04 | 0.0384 |
| GLP1R | 6.61 | 3.23E-05 | 0.0165 |
| SLC25A5P5 | 6.60 | 4.46E-04 | 0.0420 |
| AC091132.4 | 6.59 | 2.82E-05 | 0.0165 |
| NRN1 | 6.57 | 2.58E-05 | 0.0165 |
| PQLC2 | 6.56 | 2.61E-05 | 0.0165 |

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| RAC1P4 | 6.54 | 1.92E-04 | 0.0277 |
| AC012085.1 | 6.52 | 1.47E-04 | 0.0248 |
| PITX3 | 6.51 | 3.73E-04 | 0.0380 |
| AC243829.4 | 6.50 | 4.32E-05 | 0.0165 |
| PCDH1 | 6.49 | 3.69E-04 | 0.0379 |
| AC091607.1 | 6.49 | 3.87E-05 | 0.0165 |
| MIR3153 | 6.45 | 2.44E-04 | 0.0308 |
| AC016735.2 | 6.44 | 2.14E-04 | 0.0292 |
| IQANK1 | 6.40 | 1.10E-04 | 0.0219 |
| VPS37D | 6.37 | 1.83E-04 | 0.0274 |
| AC008083.2 | 6.34 | 2.93E-05 | 0.0165 |
| BX284668.2 | 6.33 | 1.98E-04 | 0.0280 |
| ZFHX2 | 6.30 | 4.06E-05 | 0.0165 |
| AC074351.1 | 6.30 | 2.73E-05 | 0.0165 |
| ECEL1 | 6.29 | 2.23E-04 | 0.0300 |
| DDX11-AS1 | 6.25 | 4.00E-04 | 0.0388 |
| C2CD4D | 6.24 | 2.78E-05 | 0.0165 |
| TEAD3 | 6.21 | 3.58E-04 | 0.0374 |
| RTN2 | 6.19 | 3.26E-05 | 0.0165 |
| JPH1 | 6.16 | 3.02E-04 | 0.0341 |
| AC017076.1 | 6.15 | 8.86E-05 | 0.0197 |
| OR7E31P | 6.15 | 1.71E-04 | 0.0267 |
| GMPR | 6.14 | 3.26E-04 | 0.0358 |
| PEX11G | 6.13 | 1.83E-04 | 0.0274 |
| AL592164.1 | 6.12 | 6.97E-05 | 0.0177 |
| AC135178.5 | 6.11 | 5.48E-05 | 0.0165 |
| CAPSL | 6.11 | 2.92E-05 | 0.0165 |
| MCMDC2 | 6.11 | 2.92E-05 | 0.0165 |
| RASL11A | 6.10 | 3.54E-04 | 0.0373 |
| CDKL2 | 6.09 | 7.09E-05 | 0.0178 |
| LPP-AS2 | 6.08 | 4.55E-05 | 0.0165 |
| TUBBP6 | 6.07 | 4.38E-04 | 0.0416 |
| ZNF385C | 6.06 | 3.82E-04 | 0.0384 |
| MIR586 | 6.05 | 2.09E-04 | 0.0287 |
| C20orf96 | 6.01 | 1.43E-04 | 0.0245 |
| RIPK4 | 6.00 | 2.41E-04 | 0.0308 |
| THAP12P1 | 5.99 | 7.50E-05 | 0.0181 |
| PRG2 | 5.97 | 5.11E-04 | 0.0437 |
| MAP6D1 | 5.94 | 7.75E-05 | 0.0185 |
| TMEM145 | 5.94 | 3.17E-05 | 0.0165 |
| TNPO1P2 | 5.91 | 1.88E-04 | 0.0276 |
| FAM109B | 5.91 | 3.21E-05 | 0.0165 |
| MET | 5.88 | 1.45E-04 | 0.0247 |
| AC021224.1 | 5.88 | 2.59E-04 | 0.0313 |
| NRM | 5.87 | 4.00E-04 | 0.0388 |
| C1orf194 | 5.87 | 4.18E-04 | 0.0400 |
| OXTR | 5.86 | 3.31E-05 | 0.0165 |

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| CHST3 | 5.85 | 4.97E-05 | 0.0165 |
| MIR3161 | 5.85 | 4.97E-05 | 0.0165 |
| NPPC | 5.83 | 1.71E-04 | 0.0267 |
| PTPRU | 5.80 | 5.42E-05 | 0.0165 |
| UQCRHP2 | 5.78 | 1.95E-04 | 0.0279 |
| LINC01399 | 5.76 | 4.74E-04 | 0.0421 |
| AC087072.1 | 5.75 | 6.31E-05 | 0.0169 |
| IL22 | 5.74 | 2.23E-04 | 0.0300 |
| DISP3 | 5.73 | 6.01E-05 | 0.0167 |
| RNU6-789P | 5.72 | 4.72E-04 | 0.0420 |
| CRABP2 | 5.71 | 2.27E-04 | 0.0303 |
| TMEM256 | 5.70 | 3.99E-04 | 0.0388 |
| AC069120.2 | 5.70 | 2.16E-04 | 0.0293 |
| AC136604.2 | 5.69 | 1.81E-04 | 0.0274 |
| MIR604 | 5.68 | 2.47E-04 | 0.0309 |
| SLC2A8 | 5.68 | 3.25E-04 | 0.0358 |
| NAMPT | 5.67 | 2.04E-06 | 0.0165 |
| GNG8 | 5.65 | 3.46E-05 | 0.0165 |
| AC092017.1 | 5.62 | 4.79E-04 | 0.0422 |
| AC018371.2 | 5.60 | 1.59E-04 | 0.0260 |
| ZEB2-AS1 | 5.57 | 5.55E-04 | 0.0463 |
| AL391832.3 | 5.56 | 2.49E-04 | 0.0309 |
| AC009118.2 | 5.56 | 3.78E-05 | 0.0165 |
| CEL | 5.53 | 1.88E-04 | 0.0276 |
| TNFRSF4 | 5.49 | 5.72E-04 | 0.0471 |
| BCL2L15 | 5.47 | 1.00E-04 | 0.0213 |
| Z73417.1 | 5.45 | 1.09E-04 | 0.0219 |
| GGT2 | 5.45 | 3.79E-05 | 0.0165 |
| CBSL | 5.42 | 3.85E-05 | 0.0165 |
| PYGO1 | 5.42 | 3.85E-05 | 0.0165 |
| ZMYND12 | 5.42 | 3.85E-05 | 0.0165 |
| FMO5 | 5.41 | 3.57E-04 | 0.0374 |
| SFN | 5.37 | 4.04E-05 | 0.0165 |
| AC107954.1 | 5.35 | 2.02E-04 | 0.0281 |
| AC018761.2 | 5.33 | 5.63E-05 | 0.0165 |
| HSPE1P4 | 5.33 | 5.63E-05 | 0.0165 |
| MAP1LC3A | 5.33 | 5.63E-05 | 0.0165 |
| ACTN3 | 5.30 | 4.88E-05 | 0.0165 |
| HSF2BP | 5.30 | 4.21E-05 | 0.0165 |
| KRT18P6 | 5.25 | 5.38E-04 | 0.0454 |
| RASD1 | 5.24 | 1.69E-04 | 0.0266 |
| ETNPPL | 5.11 | 1.43E-04 | 0.0245 |
| NPM1P38 | 5.09 | 3.70E-04 | 0.0379 |
| AL157871.4 | 5.08 | 4.19E-05 | 0.0165 |
| NPM1P31 | 5.08 | 8.19E-05 | 0.0188 |
| PHBP9 | 5.07 | 5.80E-04 | 0.0476 |
| PCDHGB5 | 4.98 | 2.68E-04 | 0.0318 |

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| RPA2P2 | 4.93 | 6.37E-05 | 0.0169 |
| GAPDH | 4.90 | 1.41E-04 | 0.0245 |
| DUSP5 | 4.87 | 6.06E-05 | 0.0167 |
| SOCS3 | 4.74 | 4.68E-05 | 0.0165 |
| CDC6 | 4.69 | 4.86E-04 | 0.0427 |
| ENO1 | 4.69 | 2.50E-04 | 0.0309 |
| TPX2 | 4.57 | 8.33E-06 | 0.0165 |
| AC233266.2 | 4.57 | 1.32E-04 | 0.0234 |
| USP27X-AS1 | 4.49 | 3.38E-04 | 0.0364 |
| AL049842.1 | 4.37 | 8.05E-05 | 0.0188 |
| PDCD1 | 4.19 | 2.29E-04 | 0.0303 |
| TTK | 4.15 | 4.31E-04 | 0.0410 |
| CORO1B | 4.14 | 5.54E-05 | 0.0165 |
| SDC4 | 3.90 | 9.80E-05 | 0.0211 |
| TUBA1B | 3.89 | 2.52E-04 | 0.0309 |
| SNORD3B-2 | 3.70 | 2.41E-04 | 0.0308 |
| BRCA1 | 3.70 | 2.27E-04 | 0.0303 |
| BATF | 3.70 | 1.02E-04 | 0.0213 |
| SNRNP25 | 3.69 | 4.75E-04 | 0.0421 |
| DCLRE1B | 3.67 | 1.23E-04 | 0.0228 |
| PRELID2 | 3.66 | 2.51E-04 | 0.0309 |
| SYTL3 | 3.65 | 3.95E-04 | 0.0387 |
| KIF15 | 3.56 | 3.86E-04 | 0.0384 |
| RNU1-27P | 3.53 | 2.00E-04 | 0.0280 |
| TBX21 | 3.51 | 3.09E-04 | 0.0347 |
| TUBAP2 | 3.50 | 4.73E-04 | 0.0420 |
| PGK1 | 3.41 | 1.91E-04 | 0.0276 |
| RAD51AP1 | 3.35 | 4.63E-04 | 0.0420 |
| KIF11 | 3.32 | 4.59E-04 | 0.0420 |
| DHFR | 3.20 | 5.30E-04 | 0.0450 |
| GNPDA1 | 3.18 | 1.99E-04 | 0.0280 |
| HIST1H4F | 3.14 | 2.34E-04 | 0.0304 |
| SRGN | 3.12 | 1.63E-04 | 0.0260 |
| TPM4 | 3.11 | 1.22E-04 | 0.0228 |
| FANCI | 3.10 | 1.30E-05 | 0.0165 |
| AC015720.2 | 3.10 | 2.91E-04 | 0.0333 |
| STARD4 | 3.06 | 1.11E-04 | 0.0219 |
| SHMT2 | 3.05 | 2.43E-04 | 0.0308 |
| CENPN | 3.04 | 6.27E-04 | 0.0499 |
| XRCC3 | 2.99 | 4.79E-04 | 0.0422 |
| CHAF1B | 2.98 | 5.48E-04 | 0.0459 |
| GDPGP1 | 2.95 | 4.51E-04 | 0.0420 |
| TONSL | 2.89 | 2.93E-04 | 0.0333 |
| EFEMP2 | 2.87 | 1.21E-04 | 0.0228 |
| IL23R | 2.75 | 3.48E-04 | 0.0370 |
| CLIC1 | 2.74 | 1.22E-05 | 0.0165 |
| TFDP1 | 2.72 | 5.55E-05 | 0.0165 |

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| WDR76 | 2.65 | 4.10E-04 | 0.0395 |
| MTHFD2 | 2.65 | 3.07E-04 | 0.0345 |
| CD200 | 2.60 | 3.52E-04 | 0.0372 |
| ARID5A | 2.60 | 7.61E-06 | 0.0165 |
| UBALD2 | 2.46 | 3.50E-04 | 0.0371 |
| RANBP1 | 2.44 | 2.14E-04 | 0.0292 |
| ALO50331.3 | 2.43 | 3.37E-04 | 0.0363 |
| FAM206BP | 2.43 | 3.37E-04 | 0.0363 |
| MFSD2B | 2.43 | 3.37E-04 | 0.0363 |
| TRIM60P14 | 2.43 | 3.37E-04 | 0.0363 |
| MDH2 | 2.37 | 6.33E-06 | 0.0165 |
| LIMA1 | 2.36 | 3.96E-05 | 0.0165 |
| PIM3 | 2.33 | 6.21E-05 | 0.0169 |
| CALM3 | 2.26 | 1.92E-04 | 0.0277 |
| FLOT1 | 2.25 | 8.49E-05 | 0.0190 |
| ACTG1 | 2.25 | 4.54E-04 | 0.0420 |
| IL24 | 2.24 | 3.48E-04 | 0.0370 |
| ARSD | 2.18 | 5.59E-04 | 0.0463 |
| MFSD10 | 2.17 | 1.62E-04 | 0.0260 |
| NCAPD2 | 1.98 | 5.61E-05 | 0.0165 |
| RAB27A | 1.97 | 2.41E-04 | 0.0308 |
| MRPL47 | 1.96 | 5.05E-04 | 0.0436 |
| RBPJ | 1.92 | 4.09E-04 | 0.0395 |
| LMAN1 | 1.87 | 1.75E-04 | 0.0269 |
| YEATS2 | 1.86 | 4.57E-04 | 0.0420 |
| ZNF367 | 1.85 | 4.99E-04 | 0.0434 |
| NOB1 | 1.78 | 6.16E-04 | 0.0495 |
| AP3M2 | 1.74 | 2.88E-04 | 0.0331 |
| EIF4H | 1.73 | 2.89E-05 | 0.0165 |
| SGO2 | 1.66 | 5.62E-04 | 0.0465 |
| ACTN4 | 1.66 | 2.36E-04 | 0.0305 |
| ARF6 | 1.66 | 2.87E-04 | 0.0331 |
| TRMT6 | 1.54 | 5.46E-04 | 0.0458 |
| DOT1L | 1.54 | 4.40E-04 | 0.0417 |
| CD99 | 1.52 | 1.25E-04 | 0.0228 |
| TMEM63B | 1.51 | 5.54E-04 | 0.0463 |
| SNHG16 | 1.50 | 6.35E-05 | 0.0169 |
| GNG5 | 1.46 | 6.04E-05 | 0.0167 |
| TXLNA | 1.46 | 5.90E-04 | 0.0482 |
| JOSD1 | 1.45 | 4.18E-04 | 0.0400 |
| RPSAP15 | 1.45 | 7.60E-05 | 0.0182 |
| DSN1 | 1.45 | 1.96E-04 | 0.0279 |
| NUP155 | 1.42 | 5.52E-05 | 0.0165 |
| LCP1 | 1.39 | 5.66E-05 | 0.0165 |
| PSMD14 | 1.39 | 1.32E-04 | 0.0234 |
| PDAP1 | 1.38 | 4.29E-04 | 0.0408 |
| PTPN11 | 1.38 | 2.56E-04 | 0.0312 |

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| KLHL6 | 1.35 | 6.04E-04 | 0.0488 |
| BRI3BP | 1.34 | 6.25E-04 | 0.0499 |
| NLE1 | 1.34 | 2.09E-04 | 0.0287 |
| STAT6 | 1.33 | 1.01E-04 | 0.0213 |
| ANKLE2 | 1.31 | 1.55E-04 | 0.0258 |
| PDE4D | 1.27 | 1.98E-04 | 0.0280 |
| NGLY1 | 1.26 | 1.75E-05 | 0.0165 |
| GPN1 | 1.25 | 2.09E-04 | 0.0287 |
| RANGAP1 | 1.25 | 1.75E-04 | 0.0269 |
| CBR1 | 1.24 | 9.95E-05 | 0.0213 |
| ODF2 | 1.23 | 2.51E-04 | 0.0309 |
| SNRPD2 | 1.22 | 2.33E-04 | 0.0303 |
| PAXIP1 | 1.15 | 2.57E-04 | 0.0312 |
| THAP4 | 1.15 | 7.79E-05 | 0.0185 |
| MAGOH | 1.06 | 1.60E-04 | 0.0260 |
| SLC25A39 | 1.06 | 5.26E-04 | 0.0448 |
| LSM12 | 1.05 | 2.77E-04 | 0.0323 |
| SEC13 | 1.05 | 1.20E-04 | 0.0228 |
| GARS | 1.01 | 2.69E-04 | 0.0318 |
| RMDN1 | 0.94 | 5.99E-05 | 0.0167 |
| TRIR | 0.86 | 5.56E-04 | 0.0463 |
| RBM42 | 0.66 | 6.17E-04 | 0.0495 |
| MORF4L1P1 | 0.62 | 5.45E-04 | 0.0458 |
| PCNT | 0.58 | 2.88E-04 | 0.0331 |
| GALM | 0.57 | 1.81E-04 | 0.0274 |
| RAB1A | 0.56 | 1.57E-04 | 0.0259 |
| GSPT1 | 0.45 | 3.72E-04 | 0.0380 |
| RAP1B | -0.55 | 2.39E-04 | 0.0308 |
| MRPS10 | -0.58 | 5.10E-04 | 0.0437 |
| LEMD3 | -0.62 | 3.49E-04 | 0.0370 |
| RSF1 | -0.65 | 1.23E-04 | 0.0228 |
| FNIP1 | -0.67 | 5.91E-04 | 0.0482 |
| DNAJB14 | -0.70 | 5.43E-04 | 0.0457 |
| GPATCH2L | -0.73 | 4.68E-04 | 0.0420 |
| HIPK3 | -0.73 | 2.29E-04 | 0.0303 |
| PAPOLA | -0.75 | 2.49E-04 | 0.0309 |
| ZNF814 | -0.77 | 1.26E-04 | 0.0228 |
| MORC2 | -0.81 | 4.80E-04 | 0.0422 |
| ELK4 | -0.89 | 1.87E-05 | 0.0165 |
| FYCO1 | -0.91 | 4.70E-04 | 0.0420 |
| PPWD1 | -0.92 | 4.52E-04 | 0.0420 |
| ZEB1 | -0.94 | 4.63E-05 | 0.0165 |
| PHF3 | -0.94 | 2.97E-04 | 0.0336 |
| MSL2 | -0.96 | 3.91E-04 | 0.0385 |
| STYX | -0.98 | 1.73E-04 | 0.0269 |
| CCDC88C | -0.98 | 7.31E-05 | 0.0179 |
| SAFB2 | -1.00 | 1.91E-04 | 0.0276 |

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| RNF115 | -1.02 | 2.70E-04 | 0.0319 |
| MIA3 | -1.06 | 5.21E-05 | 0.0165 |
| ANKMY2 | -1.06 | 3.32E-04 | 0.0362 |
| RCSD1 | -1.09 | 4.92E-04 | 0.0428 |
| ZRANB1 | -1.11 | 3.68E-04 | 0.0379 |
| FBXW7 | -1.11 | 3.94E-05 | 0.0165 |
| PIKFYVE | -1.11 | 5.57E-04 | 0.0463 |
| MFN1 | -1.12 | 3.97E-04 | 0.0388 |
| IFT172 | -1.12 | 1.76E-04 | 0.0269 |
| DDX17 | -1.13 | 1.96E-04 | 0.0279 |
| TRMT2B | -1.14 | 1.71E-04 | 0.0267 |
| ERAP2 | -1.15 | 1.11E-04 | 0.0219 |
| CCM2 | -1.16 | 4.91E-04 | 0.0428 |
| RPS6KA3 | -1.21 | 3.13E-04 | 0.0350 |
| MBTPS1 | -1.23 | 4.76E-04 | 0.0421 |
| RBM12B | -1.26 | 2.45E-04 | 0.0308 |
| ZNF333 | -1.30 | 2.49E-04 | 0.0309 |
| BIN2 | -1.31 | 4.61E-04 | 0.0420 |
| FMR1 | -1.31 | 4.53E-04 | 0.0420 |
| CCNT2 | -1.32 | 6.17E-04 | 0.0495 |
| CNTRL | -1.33 | 4.88E-05 | 0.0165 |
| SOAT1 | -1.33 | 7.53E-05 | 0.0181 |
| STXBP5 | -1.35 | 2.32E-04 | 0.0303 |
| STAG3L5P | -1.36 | 3.76E-04 | 0.0383 |
| PURA | -1.38 | 4.55E-05 | 0.0165 |
| CENPC | -1.39 | 8.01E-06 | 0.0165 |
| SLC15A2 | -1.40 | 5.86E-04 | 0.0480 |
| ZNF793 | -1.40 | 2.20E-04 | 0.0298 |
| ZNF792 | -1.41 | 3.80E-05 | 0.0165 |
| ZNF227 | -1.43 | 1.12E-04 | 0.0219 |
| ASAH1 | -1.43 | 5.41E-04 | 0.0456 |
| GIMAP4 | -1.46 | 1.23E-04 | 0.0228 |
| TMEM116 | -1.47 | 7.24E-05 | 0.0179 |
| IKBKE | -1.53 | 4.53E-04 | 0.0420 |
| TRAJ23 | -1.57 | 4.02E-05 | 0.0165 |
| WDR73 | -1.58 | 8.11E-05 | 0.0188 |
| PSMA3-AS1 | -1.60 | 1.77E-04 | 0.0270 |
| AL513548.3 | -1.62 | 4.58E-04 | 0.0420 |
| CCNL2 | -1.63 | 1.82E-04 | 0.0274 |
| SSBP2 | -1.64 | 6.14E-04 | 0.0494 |
| THRA | -1.64 | 3.15E-05 | 0.0165 |
| MED21 | -1.70 | 3.90E-05 | 0.0165 |
| MAN1C1 | -1.71 | 4.76E-04 | 0.0421 |
| MTHFD2L | -1.72 | 3.59E-04 | 0.0374 |
| BRWD1 | -1.75 | 9.23E-05 | 0.0202 |
| RNU4ATAC11P | -1.77 | 5.58E-04 | 0.0463 |
| ZNF548 | -1.78 | 4.91E-04 | 0.0428 |

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| AL356801.1 | -1.80 | 1.18E-04 | 0.0225 |
| ITGA10 | -1.80 | 2.27E-04 | 0.0303 |
| REV1 | -1.80 | 5.10E-04 | 0.0437 |
| RNF216 | -1.85 | 4.67E-04 | 0.0420 |
| TULP4 | -1.85 | 1.52E-04 | 0.0254 |
| ZNF235 | -1.86 | 8.25E-05 | 0.0188 |
| AC108010.1 | -1.88 | 1.30E-04 | 0.0232 |
| TGFBR3 | -1.92 | 1.69E-04 | 0.0266 |
| SNHG14 | -1.92 | 1.14E-04 | 0.0221 |
| LINC01138 | -1.93 | 4.71E-04 | 0.0420 |
| AC135983.2 | -1.98 | 3.05E-04 | 0.0344 |
| MGAT4A | -2.00 | 3.34E-05 | 0.0165 |
| MAP3K1 | -2.03 | 2.39E-05 | 0.0165 |
| L3MBTL3 | -2.11 | 3.87E-04 | 0.0385 |
| ZNF75D | -2.21 | 4.72E-04 | 0.0420 |
| L3HYPDH | -2.21 | 1.63E-04 | 0.0260 |
| GLIPR1 | -2.22 | 1.02E-04 | 0.0213 |
| UTRN | -2.23 | 2.00E-06 | 0.0165 |
| SMCR8 | -2.24 | 1.75E-05 | 0.0165 |
| MCEE | -2.26 | 4.66E-04 | 0.0420 |
| IRS2 | -2.27 | 3.79E-04 | 0.0384 |
| PARP8 | -2.33 | 4.72E-04 | 0.0420 |
| LEF1-AS1 | -2.38 | 3.84E-04 | 0.0384 |
| TRBV12-2 | -2.38 | 3.85E-04 | 0.0384 |
| ZNF44 | -2.39 | 1.01E-04 | 0.0213 |
| ITM2B | -2.54 | 2.66E-04 | 0.0318 |
| ZNF767P | -2.59 | 6.26E-04 | 0.0499 |
| SORL1 | -2.60 | 7.57E-05 | 0.0182 |
| TC2N | -2.66 | 1.16E-05 | 0.0165 |
| RASSF3 | -2.71 | 6.01E-04 | 0.0487 |
| AL392172.1 | -2.74 | 1.74E-04 | 0.0269 |
| AMY2B | -2.77 | 4.72E-04 | 0.0420 |
| ZNF879 | -2.80 | 1.37E-04 | 0.0239 |
| STK38 | -2.80 | 1.03E-04 | 0.0213 |
| IPCEF1 | -2.81 | 2.03E-04 | 0.0282 |
| AP001767.4 | -2.82 | 1.58E-04 | 0.0260 |
| SCML4 | -2.84 | 3.11E-04 | 0.0349 |
| PLCL1 | -2.89 | 1.11E-04 | 0.0219 |
| AC232271.1 | -2.90 | 1.42E-04 | 0.0245 |
| FYB1 | -2.99 | 4.60E-04 | 0.0420 |
| SAMD9 | -3.02 | 6.34E-05 | 0.0169 |
| KLF3 | -3.03 | 1.17E-04 | 0.0225 |
| KIAA1551 | -3.04 | 1.77E-04 | 0.0270 |
| GIMAP1 | -3.08 | 1.82E-04 | 0.0274 |
| GIMAP7 | -3.12 | 1.39E-04 | 0.0243 |
| GBP3 | -3.13 | 3.20E-04 | 0.0355 |
| SLC16A10 | -3.17 | 4.21E-04 | 0.0401 |

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| TRANK1 | -3.17 | 2.61E-04 | 0.0315 |
| PRR13 | -3.19 | 5.60E-05 | 0.0165 |
| ZNF181 | -3.30 | 2.06E-04 | 0.0285 |
| EVI2B | -3.52 | 5.62E-05 | 0.0165 |
| AL353194.1 | -3.57 | 2.37E-04 | 0.0307 |
| ZNF559 | -3.60 | 4.53E-05 | 0.0165 |
| ATM | -3.72 | 2.33E-04 | 0.0303 |
| AL133375.1 | -3.87 | 6.87E-05 | 0.0176 |
| LINC02078 | -4.04 | 5.02E-04 | 0.0434 |
| AC005899.5 | -4.36 | 5.54E-05 | 0.0165 |
| ZNRF2P2 | -4.63 | 4.99E-04 | 0.0434 |
| SOWAHD | -4.64 | 1.18E-04 | 0.0225 |
| AP000911.3 | -4.73 | 4.72E-05 | 0.0165 |
| Z95114.3 | -4.82 | 1.19E-04 | 0.0228 |
| EDAR | -4.83 | 2.75E-05 | 0.0165 |
| AC079921.1 | -4.83 | 1.27E-04 | 0.0229 |
| NPM1P33 | -4.90 | 1.24E-04 | 0.0228 |
| KLHDC1 | -4.97 | 6.11E-04 | 0.0492 |
| COL9A3 | -4.99 | 6.18E-04 | 0.0495 |
| AC253576.2 | -5.08 | 3.69E-04 | 0.0379 |
| RN7SL840P | -5.10 | 2.07E-04 | 0.0286 |
| AC005899.1 | -5.22 | 2.17E-04 | 0.0294 |
| RN7SL508P | -5.33 | 1.44E-04 | 0.0245 |
| BANK1 | -5.34 | 5.91E-04 | 0.0482 |
| AL928654.4 | -5.36 | 3.44E-04 | 0.0368 |
| RN7SL242P | -5.36 | 1.99E-04 | 0.0280 |
| AL159163.1 | -5.42 | 5.32E-05 | 0.0165 |
| AL391497.1 | -5.56 | 5.56E-05 | 0.0165 |
| OSGIN1 | -5.58 | 5.76E-05 | 0.0166 |
| MIR4459 | -5.59 | 3.34E-04 | 0.0363 |
| AC073389.3 | -5.61 | 5.04E-05 | 0.0165 |
| AC008967.1 | -5.62 | 3.47E-05 | 0.0165 |
| AC007292.1 | -5.63 | 5.97E-05 | 0.0167 |
| AK4P4 | -5.65 | 3.43E-05 | 0.0165 |
| PWAR1 | -5.66 | 3.69E-04 | 0.0379 |
| SLC7A7 | -5.66 | 3.69E-04 | 0.0379 |
| RNY1P16 | -5.66 | 4.51E-05 | 0.0165 |
| CACNA1E | -5.68 | 3.91E-05 | 0.0165 |
| OR13C5 | -5.74 | 3.40E-05 | 0.0165 |
| AC108002.1 | -5.75 | 6.10E-04 | 0.0492 |
| ESRRAP1 | -5.75 | 5.09E-04 | 0.0437 |
| AP000255.1 | -5.78 | 4.72E-04 | 0.0420 |
| SLC45A2 | -5.78 | 4.72E-04 | 0.0420 |
| DNM1 | -5.80 | 3.19E-04 | 0.0355 |
| AC090517.2 | -5.80 | 1.06E-04 | 0.0216 |
| LEXM | -5.85 | 3.26E-04 | 0.0358 |
| IL12A | -5.87 | 3.60E-04 | 0.0375 |

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| AL357793.1 | -5.88 | 6.55E-05 | 0.0170 |
| MTND2P13 | -5.89 | 8.03E-05 | 0.0188 |
| AL121983.2 | -5.97 | 1.40E-04 | 0.0243 |
| AC012358.3 | -6.01 | 1.59E-04 | 0.0260 |
| CDKN2B-AS1 | -6.03 | 6.77E-05 | 0.0174 |
| EIF4EBP2P2 | -6.07 | 2.66E-04 | 0.0318 |
| AC018511.2 | -6.07 | 3.10E-05 | 0.0165 |
| SRCIN1 | -6.07 | 1.08E-04 | 0.0219 |
| SNORD38C | -6.08 | 4.00E-05 | 0.0165 |
| BEND7P1 | -6.13 | 4.20E-05 | 0.0165 |
| AC007881.3 | -6.14 | 1.14E-04 | 0.0222 |
| ADAMTS7P1 | -6.16 | 1.66E-04 | 0.0263 |
| LIN7A | -6.17 | 1.63E-04 | 0.0260 |
| RN7SL569P | -6.18 | 4.44E-05 | 0.0165 |
| AC022395.1 | -6.19 | 6.41E-05 | 0.0169 |
| ARHGAP26-IT1 | -6.19 | 6.41E-05 | 0.0169 |
| TRHDE-AS1 | -6.19 | 5.17E-05 | 0.0165 |
| AGGF1P2 | -6.20 | 5.01E-04 | 0.0434 |
| P2RX6 | -6.25 | 9.19E-05 | 0.0202 |
| DM1-AS | -6.27 | 4.72E-04 | 0.0420 |
| AL354793.1 | -6.27 | 2.78E-05 | 0.0165 |
| AC011446.1 | -6.28 | 4.15E-04 | 0.0398 |
| RHCE | -6.29 | 2.44E-04 | 0.0308 |
| RN7SL688P | -6.29 | 2.44E-04 | 0.0308 |
| CLU | -6.30 | 2.77E-04 | 0.0323 |
| SLC16A13 | -6.37 | 1.52E-04 | 0.0254 |
| IGLV3-12 | -6.38 | 3.81E-04 | 0.0384 |
| HPGDS | -6.41 | 2.91E-04 | 0.0333 |
| RASGRF2-AS1 | -6.44 | 3.58E-04 | 0.0374 |
| SV2B | -6.44 | 2.86E-04 | 0.0330 |
| BX537318.2 | -6.47 | 5.80E-04 | 0.0476 |
| WNT2B | -6.48 | 3.96E-05 | 0.0165 |
| CABYR | -6.48 | 2.48E-04 | 0.0309 |
| TTC39C-AS1 | -6.50 | 4.21E-04 | 0.0401 |
| AL139022.1 | -6.53 | 8.22E-05 | 0.0188 |
| AL591721.1 | -6.53 | 8.22E-05 | 0.0188 |
| EEPD1 | -6.54 | 4.88E-04 | 0.0427 |
| AL117344.1 | -6.54 | 4.05E-04 | 0.0391 |
| UBR5-AS1 | -6.55 | 2.76E-05 | 0.0165 |
| AL138762.1 | -6.56 | 4.27E-05 | 0.0165 |
| AC246785.2 | -6.57 | 3.59E-05 | 0.0165 |
| AL139124.1 | -6.61 | 8.35E-05 | 0.0188 |
| RNASEH2B-AS1 | -6.61 | 2.82E-04 | 0.0327 |
| RNU6-761P | -6.61 | 1.09E-04 | 0.0219 |
| TFEC | -6.61 | 1.09E-04 | 0.0219 |
| BRWD1-AS2 | -6.63 | 3.55E-05 | 0.0165 |
| AC092747.2 | -6.67 | 7.36E-05 | 0.0180 |

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| AL358933.1 | -6.67 | 2.96E-04 | 0.0336 |
| AP001372.4 | -6.69 | 1.25E-04 | 0.0228 |
| LINC00205 | -6.72 | 6.04E-04 | 0.0488 |
| AC007773.1 | -6.72 | 3.04E-05 | 0.0165 |
| FAM204BP | -6.73 | 3.94E-04 | 0.0387 |
| AC010754.1 | -6.74 | 4.70E-04 | 0.0420 |
| AC007637.1 | -6.74 | 5.72E-05 | 0.0166 |
| CDC42-IT1 | -6.77 | 1.86E-04 | 0.0275 |
| CPEB2-AS1 | -6.77 | 4.06E-05 | 0.0165 |
| AL356020.1 | -6.79 | 1.28E-04 | 0.0231 |
| BTG1P1 | -6.80 | 5.17E-05 | 0.0165 |
| LRRK2 | -6.80 | 4.24E-05 | 0.0165 |
| AC243654.2 | -6.80 | 5.91E-04 | 0.0482 |
| MMP2 | -6.81 | 3.34E-05 | 0.0165 |
| AC110792.1 | -6.81 | 2.24E-04 | 0.0300 |
| AC022098.2 | -6.82 | 2.94E-04 | 0.0334 |
| AL137779.2 | -6.84 | 2.66E-05 | 0.0165 |
| ARHGEF40 | -6.84 | 1.62E-04 | 0.0260 |
| CTD-3080P12.3 | -6.86 | 2.41E-04 | 0.0308 |
| DNM1P46 | -6.87 | 2.12E-05 | 0.0165 |
| RNU6-808P | -6.88 | 9.42E-05 | 0.0205 |
| MIR4644 | -6.88 | 3.59E-04 | 0.0374 |
| C1GALT1P1 | -6.89 | 8.44E-05 | 0.0190 |
| AC104447.1 | -6.89 | 1.61E-04 | 0.0260 |
| LINC01504 | -6.89 | 5.34E-04 | 0.0452 |
| AC002091.1 | -6.91 | 5.97E-04 | 0.0485 |
| MPEG1 | -6.93 | 1.96E-04 | 0.0279 |
| AC097527.1 | -6.93 | 1.90E-04 | 0.0276 |
| AC133555.1 | -6.93 | 3.86E-04 | 0.0384 |
| NPIPP1 | -6.95 | 4.92E-05 | 0.0165 |
| AC012291.1 | -6.96 | 4.26E-05 | 0.0165 |
| AL109917.1 | -6.97 | 2.08E-05 | 0.0165 |
| AC008555.1 | -6.98 | 3.74E-04 | 0.0381 |
| RNU6-606P | -7.00 | 4.47E-05 | 0.0165 |
| AC079360.1 | -7.01 | 9.44E-05 | 0.0205 |
| AC110053.1 | -7.03 | 3.30E-05 | 0.0165 |
| AC010245.2 | -7.04 | 9.47E-05 | 0.0205 |
| AC016168.2 | -7.05 | 5.02E-05 | 0.0165 |
| GPR156 | -7.06 | 1.25E-04 | 0.0228 |
| AC104966.1 | -7.08 | 2.16E-05 | 0.0165 |
| NPM1P49 | -7.09 | 2.04E-05 | 0.0165 |
| AC138409.1 | -7.11 | 3.29E-04 | 0.0360 |
| MIR99AHG | -7.11 | 5.64E-04 | 0.0466 |
| AC004908.3 | -7.11 | 9.11E-05 | 0.0201 |
| AP003356.1 | -7.12 | 1.03E-04 | 0.0213 |
| IGSF6 | -7.14 | 5.80E-05 | 0.0166 |
| WDR86-AS1 | -7.14 | 4.87E-04 | 0.0427 |

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| AL136368.1 | -7.16 | 1.30E-04 | 0.0232 |
| AL606491.1 | -7.16 | 1.30E-04 | 0.0232 |
| IGLV2-14 | -7.17 | 5.81E-05 | 0.0166 |
| AC011816.1 | -7.18 | 4.66E-04 | 0.0420 |
| AL358472.1 | -7.19 | 3.91E-04 | 0.0385 |
| C11orf94 | -7.21 | 1.74E-04 | 0.0269 |
| AC005480.1 | -7.22 | 1.86E-04 | 0.0275 |
| AC116096.1 | -7.23 | 4.83E-05 | 0.0165 |
| CCSER1 | -7.24 | 4.65E-04 | 0.0420 |
| RPL23AP72 | -7.24 | 4.65E-04 | 0.0420 |
| AL031274.1 | -7.25 | 2.72E-04 | 0.0320 |
| PRKG1 | -7.26 | 2.65E-05 | 0.0165 |
| LILRB4 | -7.26 | 5.40E-05 | 0.0165 |
| RPSAP16 | -7.27 | 3.43E-04 | 0.0368 |
| ZNF582-AS1 | -7.30 | 4.21E-05 | 0.0165 |
| ZGLP1 | -7.30 | 9.90E-05 | 0.0213 |
| BCO2 | -7.30 | 1.86E-05 | 0.0165 |
| AC025171.4 | -7.32 | 2.74E-04 | 0.0322 |
| MIR505 | -7.34 | 2.69E-04 | 0.0318 |
| AC127070.3 | -7.34 | 2.12E-04 | 0.0290 |
| AP001157.1 | -7.34 | 1.63E-04 | 0.0260 |
| POU5F1P5 | -7.36 | 3.88E-04 | 0.0385 |
| IGHA1 | -7.36 | 1.77E-05 | 0.0165 |
| AC005306.1 | -7.39 | 2.20E-05 | 0.0165 |
| ACE | -7.39 | 2.64E-05 | 0.0165 |
| PFN2 | -7.40 | 2.29E-04 | 0.0303 |
| AL162274.3 | -7.43 | 2.63E-04 | 0.0316 |
| SLC23A3 | -7.45 | 6.01E-04 | 0.0487 |
| AL390066.1 | -7.45 | 3.92E-04 | 0.0386 |
| KCNA2 | -7.46 | 1.86E-04 | 0.0275 |
| RN7SL753P | -7.47 | 2.36E-05 | 0.0165 |
| CFL1P1 | -7.48 | 3.86E-05 | 0.0165 |
| AC007780.1 | -7.55 | 3.68E-04 | 0.0379 |
| CHMP1B2P | -7.55 | 6.54E-05 | 0.0170 |
| AP003035.1 | -7.61 | 5.34E-04 | 0.0452 |
| AC010627.1 | -7.61 | 1.05E-04 | 0.0216 |
| SYNPO2 | -7.63 | 4.03E-04 | 0.0391 |
| AC018845.3 | -7.63 | 4.39E-05 | 0.0165 |
| CR2 | -7.64 | 1.32E-04 | 0.0234 |
| PSMD10P1 | -7.64 | 1.24E-04 | 0.0228 |
| TMEM191A | -7.65 | 5.85E-05 | 0.0167 |
| STAB1 | -7.69 | 5.14E-04 | 0.0440 |
| AC018868.2 | -7.70 | 6.27E-05 | 0.0169 |
| GPR146 | -7.71 | 3.52E-05 | 0.0165 |
| AC020659.1 | -7.75 | 2.46E-04 | 0.0308 |
| AC022079.1 | -7.80 | 1.16E-04 | 0.0224 |
| AC234782.4 | -7.84 | 4.54E-04 | 0.0420 |

| | | | |
|-------------|-------|----------|--------|
| AC018926.3 | -7.94 | 3.46E-04 | 0.0369 |
| POT1-AS1 | -7.97 | 1.36E-04 | 0.0239 |
| SLC14A1 | -8.00 | 5.51E-05 | 0.0165 |
| CPA3 | -8.00 | 4.61E-04 | 0.0420 |
| TSC22D1-AS1 | -8.01 | 1.03E-04 | 0.0213 |
| FAM234A | -8.02 | 2.19E-05 | 0.0165 |
| KLRB1 | -8.03 | 4.03E-05 | 0.0165 |
| LINC01719 | -8.04 | 1.44E-04 | 0.0245 |
| AC027682.4 | -8.10 | 1.26E-04 | 0.0229 |
| LIPT2 | -8.13 | 1.34E-05 | 0.0165 |
| CASP1P2 | -8.21 | 1.46E-05 | 0.0165 |
| PLXDC2 | -8.21 | 1.88E-04 | 0.0276 |
| LINC01624 | -8.22 | 2.19E-05 | 0.0165 |
| AP002365.1 | -8.35 | 1.95E-04 | 0.0279 |
| AC023090.2 | -8.50 | 1.91E-05 | 0.0165 |
| AC241520.1 | -8.51 | 6.94E-05 | 0.0177 |
| AC008014.1 | -8.57 | 3.25E-05 | 0.0165 |
| FGF9 | -8.60 | 4.81E-05 | 0.0165 |
| SLC22A23 | -8.60 | 7.20E-05 | 0.0178 |
| AC099494.3 | -8.63 | 2.03E-04 | 0.0282 |
| AC011726.3 | -8.65 | 4.71E-05 | 0.0165 |
| AC046136.1 | -8.67 | 4.00E-04 | 0.0388 |
| WNT7A | -8.87 | 2.18E-05 | 0.0165 |
| PCDH9 | -8.90 | 4.19E-05 | 0.0165 |
| C12orf42 | -8.92 | 3.15E-04 | 0.0351 |
| PPP2R2B | -8.95 | 1.52E-04 | 0.0254 |
| ACTN1-AS1 | -8.97 | 3.75E-05 | 0.0165 |
| KRT1 | -8.98 | 2.32E-04 | 0.0303 |
| LINC02362 | -9.12 | 1.55E-05 | 0.0165 |
| LINC02328 | -9.12 | 1.53E-05 | 0.0165 |
| AL670729.1 | -9.13 | 1.66E-04 | 0.0263 |
| FAM19A1 | -9.25 | 8.30E-05 | 0.0188 |
| MYO16 | -9.32 | 5.65E-04 | 0.0466 |
| KLF3-AS1 | -9.34 | 1.47E-04 | 0.0248 |
| LINC00824 | -9.50 | 6.85E-06 | 0.0165 |
| GPA33 | -9.61 | 1.74E-05 | 0.0165 |
| OCM | -9.64 | 2.60E-04 | 0.0315 |
| DSC1 | -9.70 | 5.58E-04 | 0.0463 |
| B3GALT2 | -9.73 | 4.83E-05 | 0.0165 |
| CR1 | -9.75 | 7.93E-05 | 0.0187 |
| HCG27 | -9.97 | 2.01E-05 | 0.0165 |